July 20, 2026 – 6:00 PM REGULAR BOARD MEETING

Lehigh Acres Municipal Services Improvement District
Barrett Room
601 East County Lane
Lehigh Acres, FL 33936

This meeting is open to the general public.

REGULAR MEETING AGENDA

1) Preliminaries
- **A.** Call to Order
- **B.** Roll Call
- **C.** Invocation & Pledge of Allegiance
- **D.** Public Comment
- **E.** Move, Remove and Add Agenda Items
- **F.** Approval of Agenda
- **G.** Action on Removed Consent Items
- **H.** Approval of Consent Agenda

2) Consent Agenda
- **A.** Invoices and Change Orders
- **B.** Approval of Minutes June 15, 2026, Regular Meeting
- **C.** PER #25-40 (M2) Blackstone Corp Park
- **D.** PER #26-87 - LCEC Substation – 4307 22nd St SW
- **E.** PER #26-88 – Taco Bell – Parcel #14 Blackstone Corp Park
- **F.** PER #26-89 – LCEC Substation – 1006 North Ave
- **G.** PER #26-91 – Shoppes at Lee Blvd – Lot #3 – 5540 Lee Blvd
- **H.** PER #26-92 thru #26-111 Lumos Bores at Various Locations
- **I.** PER #26-112 – LCEC Aerial Crossing George Canal (47-20-1) at Williams Ave
- **J.** PER #26-113 – LCEC Aerial Crossing Able Canal (47-30-7) at Williams Ave
- **K.** PER #26-114 – Comcast Bore under Tanager Canal (57-13-4) at Genoa Ave S
- **L.** PER #26-115 – Comcast Bore under Longwing Canal (47-5-4) at Roderick Lane

3) Action Agenda
- **A.** Good Cause

4) Discussion Agenda
- **A.** Old Business
  1. 2026 Legislative Appropriation
  2. Leeland Bottomless Lake Building
  3. Manager Replacement Strategy and Schedule
- **B.** New Business
  1. Board Meeting Dates
- **C.** Sheriff's Report
- **D.** Commissioner's Request
- **E.** Engineer's Report
- **F.** Attorney's Report
- **G.** Staff and Financial Report
- **H.** Treasurer's Report
- **I.** Secretary's Report

5) Adjournment

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

AGENDA ITEM SUMMARY

Subject: Invoices and Change Orders

Meeting Date: July 20, 2026

Agenda Item # 2A

[x] **CONSENT** [ ] **ACTION** [ ] **OLD BUSINESS** [ ] **NEW BUSINESS**

Request Initiated By: [ ] **COMMISSIONER** _____ [ ] **ATTORNEY**

[ ] **BOARD** [x] **MANAGER** [ ] **ENGINEER** [ ] **AUDITOR**

1 Recommended motion: Move to approve all invoices as stated on the Summary Sheet.

2 What the action accomplishes: Approves all invoices that are outside the approval limits of the Treasurer and Manager.

3 Fiscal Impact: As listed on the Summary Sheet.

4 Staff comments:

5 Staff review and recommended approval:

[x] **MANAGER** [x] **ASSISTANT DISTRICT MGR**

[x] **ATTORNEY** [x] **FIELD DIRECTOR**

[x] **ENGINEER** [x] **FINANCE DIRECTOR**

6 Board Action:

[ ] **APPROVED** [ ] **DENIED** [ ] **DEFERRED**

Lehigh Acres Municipal Services Improvement District
INVOICES REQUIRING BOARD APPROVAL FOR PAYMENT
Monday July 20th, 2026

***Paid with Procurement Card**

Vendor	Funding Source	Description	Invoice Number		Amount	General	Other
Vendor AIM Engineering	General	**Description** General Engineering through 06/30/26	**Invoice Number**	252166-9	**Amount** $ 8,724.75	8724.75	
Vendor AIM Engineering	General	**Description** 25-2111 LAMSID/ROBUST Phase 3 through 06/30/26- P.O. 1277	**Invoice Number**	252111-11	**Amount** $ 18,187.00	18187.00	
Vendor AIM Engineering	General	**Description** Engineering Estimate for Frank Mann Preserve through 06/30/26 - P.O. #1272	**Invoice Number**	211364-54	**Amount** $ 10,212.50	10212.50	
Vendor AIM Engineering	General	**Description** Proj: 25-2161 LAMSID/Robust Phase 4 through 06/30/26 - P.O. #1283	**Invoice Number**	252161-10	**Amount** $ 3,361.00	3361.00	
Vendor AIM Engineering	General	**Description** Proj: 25-2112 LAMSID/Frank Mann Preserve (GS-10 Concept Plan PH 2) through 06/30/26 - P.O. #1276	**Invoice Number**	252112-6	**Amount** $ 24,240.00	24240.00	
					Total AIM Engineering: $ 64,725.25		
Vendor Hultman Sensenig & Joshi, P.A.	General	**Description** Matter: General through 06/16/26	**Invoice Number**	20776	**Amount** $ 325.00	325.00	
					Total Hultman Sensenig & Joshi, P.A.: $ 325.00		
Vendor Lewis Longman Walker	General	**Description** General Counsel through 06/30/26	**Invoice Number**	SCB-169404	**Amount** $ 10,085.00	10085.00	
					Total Lewis Longman Walker: $ 10,085.00		
Vendor Turnbull Environmental, Inc.	General	**Description** Crest Phase III Project 06/05/26 - 06/30/26	**Invoice Number**	13-Crest Phase III	**Amount** $ 380,783.67	380783.67	
					Total Turnbull Environmental, Inc.: $ 380,783.67		
					TOTAL DISBURSEMENTS: $ 455,918.92		
					General Fund Total $ 455,918.92		
					Other Funding Total -		
					General and Other Total $ 455,918.92		

AIM Engineering & Surveying, Inc.

Corporate Office
2161 Fowler Street
Suite 100
Fort Myers, FL 33901

239-332-4569
800-226-4569
Fax: 855-731-7971
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Lehigh Acres Municipal Services Improvement District
601 East County Lane
Lehigh Acres, FL 33936

Invoice number 252166-9
Date 07/7/2026

Professional Services through June 30, 2026

Project 241976 - General Engineering FY 2025/2026

Employee Type / Activity		Date	Hours	Rate	Amount
General Engineering					
Engineering Manager					
D. Schroeder	Review board packet & June Board meeting	06/15/26	2.00	$257.00	$514.00
				$257.00	$0.00
				$257.00	$0.00
Engineer Intern					
E. Ibarra Sinkhole –	Sink hole EOPC	06/08/26	1.00	$131.00	$131.00
M. Hebert	Welcome sign maintenance agreement	06/03/26	4.00	$131.00	$524.00
	Welcome sign	06/05/26	2.00	$131.00	$262.00
	Welcome sign	06/16/26	0.50	$131.00	$65.50
R. Rosado Sinkhole	Sinkhole cost analysis for site & new building	06/05/26	2.00	$131.00	$262.00
		Task Total			**$1,758.50**
Review Permits					
Engineer Intern					
M. Hebert	Pemits 26-81 & 26-82	06/02/26	1.00	$131.00	$131.00
	Permit 26-90	06/15/26	0.50	$131.00	$65.50
	Permits 26-86 through 26-89 / Permit 25-40 (M2)	06/16/26	1.00	$131.00	$131.00
E. Ibarra	Permits 26-87, 26-88 & 26-89	06/03/26	7.00	$131.00	$917.00
	Permit 26-88	06/05/26	2.00	$131.00	$262.00
	Permits 26-87, 26-88, 26-89 & 26-90	06/09/26	8.00	$131.00	$1,048.00
	Permit reviews 26-91 through 26-100	06/16/26	5.00	$131.00	$655.00
	Permit reviews 26-114 & 26-115	06/30/26	1.00	$131.00	$131.00
P. Niedermair	Permits 26-88, 26-89 & 26-90	06/05/26	2.00	$131.00	$262.00
	Permit 26-90	06/12/26	2.00	$131.00	$262.00
	Permit 26-90	06/15/26	2.50	$131.00	$327.50
	Permit 26-61	06/16/26	2.25	$131.00	$294.75
	Permit reviews 26-91 through 26-110, 26-112, 23-113	06/17/26	3.00	$131.00	$393.00
	Permit reviews 26-91 through 26-113	06/18/26	3.00	$131.00	$393.00
B. Euliss	Permits 26-93 through 26-111	06/16/26	5.00	$131.00	$655.00
	Permits 26-93 through 26-111	06/17/26	5.50	$131.00	$720.50
		Task Total			**$6,648.25**

DEPT 1 MB 7/8/26 $8,013.75
CODE 01-3130
6306 4071- 538-3130 $7.11
DEPT 2 MSC 7/9/26
CODE
MANAGER

ENTERED

Sinkhole Parcel - Legal for adjacent Church parcel acquisition

Surveyor & Mapper	06/01/26	0.50	$205.00	$102.50
Surveyor & Mapper	06/03/26	0.50	$205.00	$102.50
Survey CADD technician	06/03/26	1.00	$113.00	$113.00
	Task Total			**$318.00**

2025/2026 General Engineering Billing Totals:	
Contract Amount	$90,000.00
Total to Date	$84,916.75
Previous Billing	$76,192.00
Total this Period	$8,724.75

Invoice Total **$8,724.75**

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Lehigh Acres - Municipal Services Improvement District
601 East County Lane
Lehigh Acres, FL 33936

Invoice number 252111-11
Date 07/07/2026

Project **25-2111 LAMSID / ROBUST PHASE 3 / PO #1277**

Professional services through June 30, 2026

Description	Contract Amount	Percent Complete	Fee Earned to Date	Previous Billing	Current Billed
TASK 1 - DESIGN SERVICES (LS)	295,000.00	35.77	105,511.00	87,324.00	18,187.00
TASK 2 - POST DESIGN SERVICES (LS)	12,000.00	0.00	0.00	0.00	0.00
TASK 3 - CONSTRUCTION PHASE SERVICES (LS)	35,000.00	0.00	0.00	0.00	0.00
Total	342,000.00	30.85	105,511.00	87,324.00	18,187.00

Invoice total **18,187.00**

INIT DATE
DEPT 1 LDB 7/8/26
CODE P.O. 1277 Unc # 1
DEPT 2 MSC 7/9/26
CODE
MANAGER

ENTERED

AIM Engineering & Surveying, Inc.

Corporate Office
2161 Fowler Street
Suite 100
Fort Myers, FL 33901

239-332-4569
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Lehigh Acres Municipal Services Improvements District
601 East County Lane
Lehigh Acres, FL 33936

Invoice Number: 211364-54

Date: 07/07/2026

INIT DATE
DEPT 1 NB 7/8/26
CODE P.O. 1272 Line 3
DEPT 2
CODE
MANAGER
ENTERED

Professional services rendered thru June 30, 2026

Purchase Order # 1272

Engineering Estimate for Frank Mann Preserve

	Task Title	Amount of Compensation	Basis of Compensation	Percent Complete	Fee Earned To Date	Less Previous Billing	Amount Due This Billing
1	Topographic Survey	$11,319.00	Lump Sum	100.00%	$11,319.00	$11,319.00	$0.00
2	Design - electrical services	$12,550.00	Lump Sum	0.00%	$0.00	$0.00	$0.00
3	Design & Construction plans	$76,000.00	Lump Sum	75.98%	$57,742.50	$47,530.00	$10,212.50
		$99,869.00		**69.15%**	**$69,061.50**	**$58,849.00**	**$10,212.50**

Fee Earned To Date	$69,061.50
Less Previous Payments	$58,849.00
Amount Due This Billing	**$10,212.50**

Please remit payment to:
2161 Fowler Street, Suite 100, Fort Myers, FL 33901

Thank you

AIM Engineering & Surveying, Inc.

Corporate Office
2161 Fowler Street
Suite 100
Fort Myers, FL 33901

239-332-4569
800-226-4569
Fax: 855-731-7971
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Lehigh Acres - Municipal Services Improvement District
601 East County Lane
Lehigh Acres, FL 33936

Invoice number 252161-10
Date 07/07/2026

Project **25-2161 LAMSID / ROBUST PHASE 4 / PO #1283**

Professional services through June 30, 2026

Description	Contract Amount	Percent Complete	Fee Earned to Date	Previous Billing	Current Billed
TASK 1 - DESIGN SERVICES (LS)	276,000.00	15.14	41,778.25	38,417.25	3,361.00
TASK 2 - POST DESIGN SERVICES (LS)	11,000.00	0.00	0.00	0.00	0.00
TASK 3 - CONSTRUCTION PHASE SERVICES (LS)	33,000.00	0.00	0.00	0.00	0.00
Total	320,000.00	13.06	41,778.25	38,417.25	3,361.00

Invoice total **3,361.00**

DEPT 1 NB 7/8/26
CODE P.O. 1283 Line 1
DEPT 2 MSC 7/9/26
CODE
MANAGER

ENTERED

AIM Engineering & Surveying, Inc.

Corporate Office
2161 Fowler Street
Suite 100
Fort Myers, FL 33901

239-332-4569
800-226-4569
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Lehigh Acres - Municipal Services Improvement District
601 East County Lane
Lehigh Acres, FL 33936

Invoice number 252112-6_7/7
Date 06/30/2026

Project **25-2112 LAMSID / FRANK MANN PRESERVE (GS-10 CONCEPT PLAN PH 2) / PO 1276**

Professional services through June 30, 2026

Description	Contract Amount	Percent Complete	Fee Earned to Date	Previous Billing	Current Billed
DESIGN SERVICES -- CIVIL (LS)	714,448.00	9.76	69,727.50	45,487.50	24,240.00
POST-DESIGN SERVICES -- CIVIL (LS)	15,000.00	0.00	0.00	0.00	0.00
CONSTRUCTION PHASE SERVICES -- CIVIL (LS)	85,000.00	0.00	0.00	0.00	0.00
SURVEY SERVICES (NTE)	3,450.00	100.00	3,450.00	3,450.00	0.00
CENTERLINE PROFILE TOPO SURVEY OF LINEAR BERMS (HRLY)	30,602.00	58.01	17,753.00	17,753.00	0.00
SET SURVEY CONTROL POINTS (HRLY)	0.01	0.00	0.00	0.00	0.00
APEX (WATER SCIENCE) SUB (LS)	136,500.00	0.00	0.00	0.00	0.00
Total	985,000.01	9.23	90,930.50	66,690.50	24,240.00

Invoice total **24,240.00**

	INIT	DATE
DEPT 1	MB	7/8/26
CODE	P.O. 1276 Line 1	
DEPT 2	MBC	7/9/26
CODE		
MANAGER		

ENTERED

Hultman + Joshi, P.A.

2055 Wood St, Ste 208
Sarasota, FL 34237
Phone: 941-218-2800 | Fax: 941-218-2801

INVOICE

LAMSID-Lehigh Muni Services Improvement Distr
dmarch@la-msid.com cvaldez@la-msid.com
601 East County Lane
Lehigh, Fl 33936

Invoice Date: July 13, 2026
Invoice Number: 20776
Invoice Amount: $325.00

Matter: General

Attorney's Fees

6/16/2026	Review e-mails and documents provided with re. to two ADA situations. Attend call with Lisa re. the matter to provide advice/counsel.	H.A.	1.30	$325.00
SUBTOTAL:			1.30	$325.00

Costs

SUBTOTAL:	$0.00

TOTAL $325.00
PREVIOUS BALANCE DUE $4,025.00

CURRENT BALANCE DUE AND OWING $4,350.00

	INIT	DATE
DEPT 1	NB	7/13/26
CODE	01-3100	
DEPT 2	MSC	7/13/26
CODE		
MANAGER		

ENTERED

Hultman + Joshi, P.A.

2055 Wood St, Ste 208
Sarasota, FL 34237
Phone: 941-218-2800 | Fax: 941-218-2801

Account Statement

Prepared for LAMSID-Lehigh Muni Services Improvement Distr

Re: General

Previous Balance	$4,025.00
Current Charges	$325.00
New Balance	$4,350.00
Payments	$0.00
Adjustments	$0.00
Now Due	$4,350.00

Contractor's Application for Payment

Owner: Lehigh Acres Municipal Services Improvement District
Owner's Project No.: 4030
Engineer: AIM Engineering & Surveying, Inc.
Engineer's Project No.: 19-1026
Contractor: Turnbull Environmental, Inc.
Contractor's Project No.: N/A
Project: CREST Phase III Project
Contract: CREST Phase III Project
Application No.: 13
Application Date: 07/02/2026
Application Period: From 06/052026 to 06/30/2026

1. Original Contract Price	$	3,715,593.97
2. Net change by Change Orders	$	(1,163,434.96)
CO #1 - Increase plant densities & species	$	175,728.20
CO #2 - No Cost Time Extension	$	-
CO #3 - Nuisance & Exotic Treatment	$	13,650.00
CO #4 - Decrease Onsite Excavation	$	(1,805,813.16)
CO #5 - Skid Mounted Pump System	$	357,500.00
CO #6 - No Cost Time Extension	$	-
CO #7 - Cellular Modem Comms & Radios	$	24,000.00
CO #8 - Additional Security Upgrades	$	20,000.00
CO #9 - Field Fencing & Habitat Restoration	$	51,500.00
3. Current Contract Price (Line 1 + Line 2)	$	2,552,159.01
4. Total Work completed and materials stored to date (Sum of Column G Lump Sum Total and Column J Unit Price Total)	$	2,109,390.06
5. Retainage		
a $ 1,000.00 for remaining work only	$	1,000.00
b 5% X $ - Stored Materials	$	-
c. Total Retainage (Line 5.a + Line 5.b)	$	1,000.00
6. Amount eligible to date (Line 4 - Line 5.c)	$	2,108,390.06
7. Less previous payments (Line 6 from prior application)	$	1,727,606.39
8. Amount due this application	$	380,783.67
9. Balance to finish, including retainage (Line 3 - Line 4)	$	442,768.95

Contractor's Certification

The undersigned Contractor certifies, to the best of its knowledge, the following:

(1) All previous progress payments received from Owner on account of Work done under the Contract have been applied on account to discharge Contractor's legitimate obligations incurred in connection with the Work covered by prior Applications for Payment;

(2) Title to all Work, materials and equipment incorporated in said Work, or otherwise listed in or covered by this Application for Payment, will pass to Owner at time of payment free and clear of all liens, security interests, and encumbrances (except such as are covered by a bond acceptable to Owner indemnifying Owner against any such liens, security interest, or encumbrances); and

(3) All the Work covered by this Application for Payment is in accordance with the Contract Documents and is not defective.

Contractor: Turnbull Environmental Inc

Signature: [signature] Date: 7/2/2026

Recommended by Engineer

By: [signature]

Title: Daniel Schroeder, VP

Date: 07-08-2026

Approved by Owner

By: Michael S. Cook

Title: Assistant District Manager

Date: July 8th, 2026

Approved by Funding Agency

By:

Title:

Date:

By:

Title:

Date:

DEPT 1 DATE 7/9/26
CODE PO12481 Line 2 205,357.20
DEPT 2 Line 3 89,926.47
CODE 7 24,000
MANAGER 8 20,000
9 41500

ENTERED

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Owner:	**Lehigh Acres Municipal Serv. Improv. District**	**Owner's Project No.:**	4030
Engineer:	**AIM Engineering & Surveying, Inc.**	**Engineer's Project No.:**	19-1026
Contractor:	**Turnbull Environmental, Inc.**	**Contractor's Project No.:**	N/A
Project:	**CREST Phase III Project**		
Contract:	**CREST Phase III Project**		

App. No.: 13 **Application Period:** **From:** 6/5/2026 **to** 6/30/2026 **Application Date:** 7/2/2026

A	B	C	D	E	F	G	H	I
			Work Completed					
Item No.	Description	Scheduled Value ($)	(D + E) From Previous Application ($)	This Period ($)	Materials Currently Stored (not in D or E) ($)	Work Completed and Materials Stored to Date (D = E + F) ($)	% of Scheduled Value (G / C) (%)	Balance to Finish (C - G) ($)
			Original Contract					
1a	Mobilization	$ 76,500.00	$ 76,500.00	$ -	$ -	$ 76,500.00	100%	$ -
1b	Site Restoration / Demobilization	$ 13,500.00	$ 7,000.00	$ 5,000.00	$ -	$ 12,000.00	89%	$ 1,500.00
2	General Requirements	$ 40,000.00	$ 40,000.00	$ -	$ -	$ 40,000.00	100%	$ -
3	Surveying	$ 60,000.00	$ 60,000.00	$ -	$ -	$ 60,000.00	100%	$ -
4	Silt Fencing	$ 8,710.00	$ 8,710.00	$ -	$ -	$ 8,710.00	100%	$ -
5	Floating Turbidity Barrier	$ 1,920.00	$ 1,920.00	$ -	$ -	$ 1,920.00	100%	$ -
6	Excavation / Embank. Option 1	$ 2,184,564.15	$ 336,577.45	$ -	$ -	$ 336,577.45	15%	$ 1,847,986.70
A-1	Excavation / Embank. Option 2	$ (273,728.52)	$ (231,554.98)	$ -	$ -	$ (231,554.98)	85%	$ (42,173.54)
7	Stabil. Soil Perimeter Berm Only	$ 34,515.25	$ 34,515.25	$ -	$ -	$ 34,515.25	100%	$ -
8	Concrete Maintenance Pad	$ 6,750.00	$ 6,750.00	$ -	$ -	$ 6,750.00	100%	$ -
9	Restoration Sodding (2.80 / SY)	$ 206,001.60	$ 274,030.18	$ 23,147.60	$ -	$ 297,177.78	144.3%	$ (91,176.18)
10	Electric Actuator, Complete	$ 91,250.00	$ 91,250.00	$ -		$ 91,250.00	100%	$ -
11	Electrical Service, Complete	$ 90,000.00	$ 90,000.00	$ -	$ -	$ 90,000.00	100%	$ -
12	Telemetry Components, Complete	$ 78,000.00	$ 75,700.00	$ 2,300.00	$ -	$ 78,000.00	100%	$ -
13	I - Beam with Staff Gauge	$ 1,531.67	$ -	$ 1,531.67	$ -	$ 1,531.67	100%	$ -
Base Bid Total		**$ 2,619,514.15**	**$ 871,397.90**	**$ 31,979.27**	**$ -**	**$ 903,377.17**	**34.5%**	**$ 1,716,136.98**

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Owner:	**Lehigh Acres Municipal Serv. Improv. District**	**Owner's Project No.:**	4030
Engineer:	**AIM Engineering & Surveying, Inc.**	**Engineer's Project No.:**	19-1026
Contractor:	**Turnbull Environmental, Inc.**	**Contractor's Project No.:**	N/A
Project:	**CREST Phase III Project**		
Contract:	**CREST Phase III Project**		

App. No.: 13 **Application Period:** **From:** 6/5/2026 **to** 6/30/2026 **Application Date:** 7/2/2026

A	B	C	D	E	F	G	H	I
			Work Completed					
Item No.	Description	Scheduled Value ($)	(D + E) From Previous Application ($)	This Period ($)	Materials Currently Stored (not in D or E) ($)	Work Completed and Materials Stored to Date (D = E + F) ($)	% of Scheduled Value (G / C) (%)	Balance to Finish (C - G) ($)
Original Contract								
Alternate Bid Items								
A-2	Excav. of Buffer Area Option 1	$ 443,813.45	$ 191,654.76	$ -	$ -	$ 191,654.76	43%	$ 252,158.69
A-3	Excav. of Buffer Area Option 2	$ (55,610.36)	$ (31,595.82)	$ -	$ -	$ (31,595.82)	57%	$ (24,014.54)
A-4	Wetland Ground Cover Plantings	$ 89,677.50	$ 89,677.50		$ -	$ 89,677.50	100%	$ -
A-5	Wetland Tree Plantings	$ 66,948.00	$ 66,948.00		$ -	$ 66,948.00	100%	$ -
A-6	Stabil. Soil - Maint. Access Path	$ 32,573.75	$ 32,573.75	$ -	$ -	$ 32,573.75	100%	$ -
A-7	Pea Gravel for Berm	$ 50,998.75	$ 50,998.75	$ 126,777.75	$ -	$ 177,776.50	349%	$ (126,777.75)
A-8	Seed and Mulch	$ 138,339.85	$ -	$ 34,100.00	$ -	$ 34,100.00	25%	$ 104,239.85
	Alternate Bid Items Total	**$ 766,740.94**	**$ 400,256.94**	**$ 160,877.75**	**$ -**	**$ 561,134.69**	**73.2%**	**$ 205,606.25**
	NTE Original Contract Total	**$ 3,386,255.09**	**$ 1,271,654.84**	**$ 192,857.02**		**$ 1,464,511.86**	**43.2%**	**$ 1,921,743.23**
CO #1	Increase Plant Density & Species; Add Palms	$ 175,728.20	$ 175,728.20	$ 12,500.00	$ -	$ 188,228.20	107%	$ (12,500.00)
CO #3	Nuisance & Exotic Treatment	$ 13,650.00	$ 13,650.00	$ -	$ -	$ 13,650.00	100%	$ -
CO#4	Deduct to capture project savings due to off-site sale of fill by contractor	$ (1,805,813.16)	$ (1,805,813.16)	$ -	$ -	$ (1,805,813.16)	100%	$ -
CO#5	Skid-Mounted Pump and appurtenances	$ 357,500.00	$ 357,500.00	$ -	$ -	$ 357,500.00	100%	$ -
CO#7	Add Cellular Modem Comms & Radios	$ 24,000.00	$ -	$ 24,000.00	$ -	$ 24,000.00	100%	$ -
CO#8	Additional Security Features	$ 20,000.00	$ -	$ 20,000.00	$ -	$ 20,000.00	100%	$ -
CO#9	Field Fence & Habitat Restoration	$ 51,500.00	$ -	$ 41,500.00	$ -	$ 41,500.00	81%	$ 10,000.00

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Owner:	**Lehigh Acres Municipal Serv. Improv. District**	**Owner's Project No.:**	4030
Engineer:	**AIM Engineering & Surveying, Inc.**	**Engineer's Project No.:**	19-1026
Contractor:	**Turnbull Environmental, Inc.**	**Contractor's Project No.:**	N/A
Project:	**CREST Phase III Project**		
Contract:	**CREST Phase III Project**		

App. No.: 13 **Application Period:** **From:** 6/5/2026 **to** 6/30/2026 **Application Date:** 7/2/2026

A	B	C	D	E	F	G	H	I
			Work Completed					
Item No.	Description	Scheduled Value ($)	(D + E) From Previous Application ($)	This Period ($)	Materials Currently Stored (not in D or E) ($)	Work Completed and Materials Stored to Date (D = E + F) ($)	% of Scheduled Value (G / C) (%)	Balance to Finish (C - G) ($)
	Original Contract							
	Max Contract Total with Bid Item 6, Alternate A-2, & CO #1 thru 9	$ 2,552,159.01	$ 12,719.88	$ 290,857.02	$ -	$ 2,109,390.06	83%	$ 442,768.95

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Lehigh Acres Municipal Services Improvement
601 East County Lane
Lehigh Acres, FL 33936
239-368-0044

PURCHASE ORDER
1248

IMPORTANT NOTICE TO VENDORS: YOU ARE RESPONSIBLE FOR THE FOLLOWING

1. Mail invoices to 601 East County Lane, Lehigh Acres, FL 33936 2. The purchase order number above must appear on all invoices, shipping papers, packages and correspondence 3. Invoice each Purchase Order separately 4. Substitutions, changes, and prices other than specified below must be authorized in writing by LA-MSID. 5. Do not ship freight collect. 6. Cancel all back orders if not shipped within 60 days after initial shipment.

ISSUED TO: **Turnbull Environmental, Inc.**
50 Agnes Circle
St. Augustine, FL 32080

SHIP TO: **Lehigh Acres Municipal Services Improvement**
601 East County Lane
Lehigh Acres, FL 33936

DATE	REQ. NO.	REQUESTED BY	DEPARTMENT:
5/01/2024			Stormwater Operations

ITEM	Description	Quantity	Unit Price	U/M	Amount
1	C.R.E.S.T. Phase III Per Contract with Turnbull Environmental Inc Per Contract	715,593.97	1.00	each	715,593.97
1	Additional Plantings Per Attached Proposal	175,728.20	1.00	each	175,728.20
1	Time Extension of 180 days do to permitting time	0.00	0.00	<none>	0.00
1	Herbicidal treatment of nuisance and exotic plants and weeks prior to planting.	13,650.00	1.00	each	13,650.00
1	Decrease contract amount for volume decrease of dirt in the amount of 445,298cy that was removed off site.	305,813.16	1.00	each	305,813.16
1	Skid Mounted Pump and Associated Infrastructure	357,500.00	1.00	each	357,500.00
1	No Cost Time Extension	0.00	0.00	<none>	0.00
1	Cellular Modem Comm & Radios	24,000.00	1.00	each	24,000.00
1	CO 8 Camera and Fencing	20,000.00	1.00	each	20,000.00
1	Remove and Replace 2,200' of Field Fence and Brazillian Pepper Removal and replacement with native tree species	51,500.00	1.00	each	51,500.00
2	Withhold Retainage	-92,889.85	1.00	each	-92,889.85
3	Pay Retainage	92,889.85	1.00	each	92,889.85
	Order Total				2,552,159.01

Account Codes	Amounts
0306-0000-205-0005	0.00
0306-4030-538-6300	2552159.01

PURCHASE AUTHORIZED BY:

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

AGENDA ITEM SUMMARY

Subject: Approval of Minutes - June 15, 2026, Regular Meeting

Meeting Date: July 20, 2026

Agenda Item # 2B

[x] **CONSENT** [ ] **ACTION** [ ] [ ] **NEW BUSINESS**

Request Initiated By: [ ] **COMMISSIONER** _____ [ ] **ATTORNEY**

[ ] **BOARD** [x] **MANAGER** [ ] **ENGINEER** [ ] **AUDITOR**

Recommended motion: Move to approve the minutes from the June 15, 2026 Regular Board Meeting.

What the action accomplishes: Memorializes the Board Meetings as per Florida Statute.

Fiscal Impact: 2 hrs staff time.

Staff comments:

Staff review and recommended approval:

[x] **MANAGER** [ ] **ASSISTANT DISTRICT MGR**

[ ] **ATTORNEY** [ ] **FIELD SUPERINTENDENT**

[x] **ENGINEER** [x] **CONTROLLER**

Board Action:

[ ] **APPROVED** [ ] **DENIED** [ ] **DEFERRED**

LET IT BE KNOWN that the "Lehigh Acres Municipal Services Improvement District" held its regularly scheduled monthly Board meeting at 6:30 P.M. in the Barrett Room, 601 East County Lane, Lehigh Acres, FL 33936, with various members of the public and the following Commissioners and staff present:

Attendance

CHAIR:	Michael Bonacolta
VICE CHAIR:	Julie Hollingsworth
TREASURER:	Rebecca Thompson
SECRETARY:	David Deetscreek
COMMISSIONER:	Katy Hoover
STAFF:	Dave Lindsay, District Manager Michael Cook, Director of Operations Tim Browning, Information Systems Coordinator Lisa Waskiewicz, Resource & Relations Director Derek Bell, Senior Accountant
ATTORNEY:	Seth Behn, Lewis, Longman & Walker
ENGINEER:	Daniel Schroeder, AIM Engineering

REGULAR MEETING AGENDA

1) Preliminaries
- **A.** Call to Order
- **B.** Roll Call
- **C.** Invocation & Pledge of Allegiance
- **D.** Public Comment
- **E.** Move, Remove and Add Agenda Items
- **F.** Approval of Agenda
- **G.** Public Comment for Agenda Items and Non-agenda Items
- **H.** Action on Removed Consent Items
- **I.** Approval of Consent Agenda

2) Consent Agenda
- **A.** Invoices and Change Orders
- **B.** Approval of Minutes May 18, 2026, Regular Meeting
- **C.** PER #25-49 (M1), Minor Modification Sunniland Commons – 3650 5th St. W.
- **D.** PER #25-84, Restaurant - 49 Alabama Rd. N.
- **E.** PER #26-68, Carniceria Monterrey Expansion – 1501 Gretchen Ave S.
- **F.** PER #26-69, Parking Lot & Outdoor Storage – Behind 1390 Lee Blvd.
- **G.** PER #26-70 thru PER #26-82, Lumos Bores at Various Locations
- **H.** PER #26-83, Comcast Bore under Towhee Canal (57-12-2) at Croquet St. E.
- **I.** PER #26-84, Comcast Bore under Charlie Diversion Canal (46-24-2) at Hanna Ave. N.
- **J.** PER #26-85, Comcast Bore under King Canal (47-3-6) at Joel Blvd.

3) Action Agenda
- **A.** Good Cause
- **B.** 2027-2031 Capital Improvement Plan
- **C.** 2027-2031 Strategic Plan
- **D.** 2027 Capital Equipment Replacement Plan
- **E.** Emergency Compensation Policy
- **F.** Job Description Changes
- **G.** Purchase of Parcel
- **H.** Contract Amendment - SFWMD

4) Discussion Agenda
- **A.** Old Business
  1. Evaluation of Manager
  1. 2026 Legislative Appropriation
  2. Leeland Bottomless Lake Building
  3. Manager Replacement Strategy and Schedule
- **B.** New Business

C. Sheriff's Report
D. Commissioner's Request
E. Engineer's Report
F. Attorney's Report
G. Staff and Financial Report
H. Treasurer's Report
I. Secretary's Report

5) Adjournment

1. PRELIMINARIES

A. CALL TO ORDER

Chair Bonacolta called the meeting to order at 6:30 p.m.

B. ROLL CALL

Deputy Secretary took roll. All Commissioners are present. There is a quorum.

C. INVOCATION AND PLEDGE OF ALLEGIANCE

Commissioner Thompson did the invocation. Commissioner Deetscreek led the pledge.

D. PUBLIC COMMENT

None.

E. MOVE, REMOVE AND ADD AGENDA ITEM

District Manager Dave Lindsay recommended adding 3A - Good Cause to the agenda.

- *Move to approve the agenda as amended.*
  - *Commissioner Hoover moved*
  - *Commissioner Hollingsworth seconded*
- *Motion was unanimously approved.*

F. APPROVAL OF AGENDA

None.

G. PUBLIC COMMENT FOR AGENDA ITEMS AND NON-AGENDA ITEMS

None.

H. ACTION ON REMOVED CONSENT ITEMS

None.

I. APPROVAL OF CONSENT AGENDA

- *Move to approve the Consent Agenda as submitted.*
  - *Commissioner Deetscreek moved*
  - *Commissioner Thompson seconded*
- *Motion was unanimously approved.*

2. CONSENT AGENDA

A. Invoices and Change Orders
Move to approve all invoices as stated on the Summary Sheet.

B. Approval of Minutes – May 18, 2026 Regular Meeting
Move to approve the minutes of the May 18, 2026 Regular Board Meeting.

C. PER # 25-49 (M1), Minor Modification Sunniland Commons – 3650 5th St. W.
Move to approve Permit #2025-49, (M1) Minor Modification-Sunniland Commons, with any listed stipulations.

D. PER #25-84, Restaurant - 49 Alabama Rd. N.
Move to approve PER #25-84, Restaurant - 49 Alabama Rd. N, with any listed stipulations.

E. PER #26-68, Carniceria Monterrey Expansion – 1501 Gretchen Ave S.
Move to approve PER #26-68, Carniceria Monterrey Expansion, with any listed stipulations.

F. PER #26-69, Parking Lot & Outdoor Storage – Behind 1390 Lee Blvd.
Move to approve PER #26-69, Parking Lot & Outdoor Storage, with any listed stipulations.

G. PER #26-70 thru PER #26-82, Lumos Bores at Various Locations
Move to approve PER #26-70, PER #26-71, PER #26-72, PER #26-73, PER #26-74, PER #26-75, PER #26-76, PER #26-77, PER #26-78, PER #26-79, PER #26-80, PER #26-81, PER #26-82, Lumos Fiber Bores under LAMSID canals, with any listed stipulations.

H. PER #26-83, Comcast Bore under Towhee Canal (57-12-2) at Croquet St. E.
Move to approve PER #26-83, Comcast Bore under Towhee Canal (57-12-2) at Croquet St. E., with any listed stipulations.

I. PER #26-84, Comcast Bore under Charlie Diversion Canal (46-24-2) at Hanna Ave. N.
Move to approve PER #26-84, Comcast Bore under Charlie Diversion Canal (46-24-2) at Hanna Ave. N., with any listed stipulations.

J. PER #26-85, Comcast Bore under King Canal (47-3-6) at Joel Blvd.
Move to approve PER #26-85, Comcast Bore under King Canal (47-3-6) at Joel Blvd.

3. ACTION AGENDA

A. Good Cause

District Manager Dave Lindsay & Director of Operations Mike Cook gave an overview.

- *Move to approve CREST-Phase III, Change Order #9 for Turnbull, Inc. for $51,500.*
  - *Commissioner Hollingsworth moved*
  - *Commissioner Thompson seconded*
- *Motion was unanimously approved.*

B. 2027-2031 Capital Improvement Plan

District Manager Dave Lindsay gave an overview.

- *Move to approve the 2027-2031 Capital Replacement Plan.*
  - *Commissioner Thompson moved*
  - *Commissioner Hollingsworth seconded*
- *Motion was unanimously approved.*

C. 2027-2031 Strategic Plan

District Manager Dave Lindsay gave an overview.

- *Move to approve the 2027-2031 Strategic Plan.*
  - *Commissioner Hoover moved*
  - *Commissioner Hollingsworth seconded*
- *Motion was unanimously approved.*

D. 2027 Capital Equipment Purchasing Plan

Director of Operations Mike Cook gave an overview. Discussion ensued.

- *Move to approve the 2026/2027 Capital Purchasing Plan.*
  - *Commissioner Deetscreek moved*
  - *Commissioner Hoover seconded*
- *Motion was unanimously approved.*

E. Emergency Compensation Policy

District Manager Dave Lindsay gave an overview.

- *Move to approve Resolution 2026-06 amending Section 6 of the Financial Policies as attached.*
  - *Commissioner Hoover moved*
  - *Commissioner Deetscreek seconded*
- *Motion was unanimously approved.*

F. Job Description Changes

District Manager Dave Lindsay gave an overview. Discussion ensued.

- *Move to approve the Mowing Director job description.*
  - *Commissioner Deetscreek moved*

- *Commissioner Hollingsworth seconded*

▪*Motion was unanimously approved.*

G. Purchase of Parcel

District Manager Dave Lindsay gave an overview. Discussion ensued.

- *Move to approve the that the Manager make an offer to purchase the 0.25-acre parcel from the Seven the Day Church of God, for $20,000, up to $25,000.*
  - *Commissioner Hoover moved*
  - *Commissioner Hollingsworth seconded*

▪*Motion was unanimously approved.*

H. Contract Amendment - SFWMD

District Manager Dave Lindsay gave an overview.

- *Move to approve Amendment #2 to SFWMD Contract 4600005172.*
  - *Commissioner Hoover moved*
  - *Commissioner Thompson seconded*

▪*Motion was unanimously approved.*

4. DISCUSSION AGENDA

A. Old Business

1. **Evaluation of Manager**
   Commissioner Hoover thanked Manager Lindsay for his work. Commissioner Thompson expressed her appreciation of Manager Lindsay's robust knowledge and help. Commissioner Deetscreek rated Manager Lindsay strongly due to his extensive background knowledge. Commissioner Hollingsworth communicated her appreciation of Manager Lindsay's response to her questions and solutions to issues she brings to staff. Chair Bonacolta expressed his belief that Manager Lindsay hires the right employees to support the District and himself.

2. **2026 Legislative Appropriation**
   District Attorney Seth Behn gave an update on the special session. The appropriations bill made it into the budget and it is awaiting the Governor's final approval or veto.

3. **Leeland Bottomless Lake Building**
   District Attorney Seth Behn gave an update on the progress.

4. **Manager Replacement Strategy and Schedule**
   District Manager Dave Lindsay gave an overview of the hiring timeline GANTT charts in the board packet. One is based on an outside hire and one is based on an inside hire. The board requested job descriptions at next month's meeting. Discussion ensued.

B. New Business

None.

C. Sheriff's Report

None.

D. Commissioner's Request

Commissioner Thompson expressed her fond memories of the annual FASD Conference that the board recently attended. Commissioner Hollingsworth expressed similar sentiments and her concerns about the changes in gun laws related to meeting attendance. Attorney Behn encouraged the board to have a discussion with the sheriff's office.

E. Engineer's Report

Report is in the packet. Daniel Schroeder gave project updates.

F. Attorney's Report

Report is in the packet. District Attorney Seth Behn gave an update on ongoing matters.

G. Staff and Financial Report

Report is in the packet. Manager Lindsay gave an update on the archeology work at Leeland Bottomless Lake and his plan for a ribbon cutting at CREST in the cooler weather.

H. Treasurer's Report

Report is in the packet.

I. Secretary's Report

None.

6. ADJOURNMENT

Motion to adjourn was made by Commissioner Hoover. Seconded by Commissioner Hollingsworth. All in favor. Meeting adjourned at 7:01 P.M.

Reviewed by: _____
Secretary, David Deetscreek

ADOPTED ON: July 20, 2026 _____
Chair, Michael Bonacolta

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

AGENDA ITEM SUMMARY

Subject: PER #25-40 (M2), Blackstone Corp Park

Meeting Date: July 20, 2026

Agenda Item # 2C

[x] **CONSENT** [ ] **ACTION** [ ] **OLD BUSINESS** [ ] **NEW BUSINESS**

Request Initiated By: [ ] **COMMISSIONER** _____ [ ] **ATTORNEY**

[ ] **BOARD** [x] **MANAGER** [ ] **ENGINEER** [ ] **AUDITOR**

Recommended motion: Move to approve Permit 2025-40, (M2) Blackstone Corp Park, with any listed stipulations.

What the action accomplishes: Allows Blackstone Corp Park, to modify a commercial site, while certifying on their plans that their stormwater facilities are adequate and able to discharge less than 30 CSM.

Fiscal Impact: Permit Fees: $500.00 (minor modification)

Staff comments: Approved according to the revised plans submitted May 20, 2026.

Staff review and recommended approval:

[x] **MANAGER** [ ] **ASSISTANT DISTRICT MGR**

[ ] **ATTORNEY** [ ] **FIELD SUPERINTENDENT**

[x] **ENGINEER** [x] **CONTROLLER**

Board Action:

[ ] **APPROVED** [ ] **DENIED** [ ] **DEFERRED**

LEHIGH ACRES - MUNICIPAL SERVICES IMPROVEMENT DISTRICT PERMIT

THIS PERMIT is granted this 20th day of July, 2026, by Lehigh Acres Municipal Services Improvement District (hereinafter referred to as "DISTRICT"), 601 East County Lane, Lehigh Acres, Florida 33936, to MNL Fort Myers Blackstone, LLC, 6562 University Pkwy, Suite 210, Sarasota, FL 34240, hereinafter referred to as the "Permittee") as a non-exclusive permit for a proposed corporate park on 61.78 acres located at 336 Blackstone Drive, with an on-site storm water management system and outfall to Gecko Canal (57-20-3), in Lehigh Acres, FL.

W I T N E S S E T H:

1. In the event the DISTRICT is not the fee title owner of the real property (the "Property") to which this Permit is applicable, the Permittee agrees, prior to commencement, to obtain all necessary consents from the fee title owners of the Property.

2. This Permit does not constitute a waiver of the necessity by the Permittee to obtain such other necessary and appropriate permits required by other governmental bodies or agencies; therefore the Permittee, prior to commencement, is required to obtain any and all other applicable federal, state, and local permits required in connection with Permittee's use of the Property and agrees that at all times it will comply with the requirements of all federal, state and local laws, ordinances, rules and regulations applicable or pertaining to the use of the Property by the Permittee.

3. Permittee understands and agrees that the use of the Property pursuant to this Permit is subordinate to the rights and interests of the DISTRICT and to the extent applicable that of the fee title owner of the Property. Further, Permittee does hereby stipulate that the Permittee is not relying upon any representations whatsoever by the DISTRICT regarding the DISTRICT'S right, title, interest, or ownership as to the Property for which this Permit is applicable.

4. The Permittee, by accepting this permit, specifically agrees to allow authorized District Personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:
    a. Having access to and copying any records that must be kept under the conditions of the permit:
    b. Reviewing the facility, equipment, practices, or operations regulated or required under this permit; and
    c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or District rules.

5. The DISTRICT specifically reserves the right to maintain its facilities located over, under or upon the Property; to make improvements; add additional facilities; maintain, construct or alter its roads; maintain any facilities, devices, or improvements on the Property which aid in or are necessary to the DISTRICT'S operation; and the right to enter upon the Property at all times for such purposes. Permittee understands that in the exercise of such rights and interest, the DISTRICT may require Permittee, at no cost to DISTRICT, to relocate, alter, or remove the Permittee's facilities and equipment or other improvements made by Permittee pursuant to this Permit which interfere with or prevent the DISTRICT, in the DISTRICT'S opinion, from properly and faithfully constructing, improving and maintaining its facilities. If the Permittee should fail to relocate, alter, or remove the Permittee's facilities, equipment or other improvements made by the Permittee pursuant to this Permit within a reasonable time period following receipt of notice from the DISTRICT requesting same, then in that event the DISTRICT shall have the right to enter upon the lands and make such relocation, alterations or removal of the Permittee's facilities, equipment/or other improvements at no cost to DISTRICT.

6. Permittee agrees that it will not use the Property in any manner which interferes with the DISTRICT'S use of the Property or causes a hazardous condition to exist.

7. The DISTRICT assumes no responsibility for the ownership, operation and/or maintenance of the Permittee's facilities as permitted herein.

8. The Permittee agrees to backfill any excavation it makes within the Property and to repair or replace (i) any below-grade authorized facilities and features located therein, including but not limited to: water, sewer, stormwater or irrigation facilities, structures or appurtenances and (ii) as to at or above-grade facilities and features, this requirement shall only be applicable to grasses and sod, sidewalks, and roadway improvements (the term roadway improvements shall include but not be limited to curbing, roadway base, sub grade and asphaltic or concrete surfaces) which are removed or damaged as a direct result of said excavation. Such repair or replacement shall substantially restore these features to their condition as it existed immediately prior to the event precipitating the excavation.

9. All below-grade Permittee installations, including water and sewer lines, whether sub aqueous or not, together with appurtenant facilities, shall be located underground and have a minimum ground cover of thirty inches (30") below original design profile grade, including District waterways and roadways.

10. All Permittee activity related to sub aqueous utility, water and/or sewer lines, including appurtenant facilities, shall be conducted in such fashion that the primary functional purpose of the canal or lake body facility, specifically flood control, within which the activity is taking place is not adversely affected. More specifically, sub aqueous construction shall conform to the criteria given in the Lehigh Acres Municipal Services Improvement District (Lehigh Acres – MSID) Administrative Policy and Procedures.

11. Permittee shall, at no expense to DISTRICT and within a reasonable time following notice, adjust the positions and elevations of its facilities as may be required in connection with future improvements to, or construction of, works of the DISTRICT.

12. Permittee does hereby indemnify and hold harmless the DISTRICT, its Board of Commissioners, officers, personnel, and it's Engineers against any claims, losses, damages (including consequential), expenses, or legal fees that might arise out or result from the implementation of the proposed project by the Permittee or that may be caused by a failure of DISTRICT facilities or property.

13. The Permittee shall be obligated at the time of submission of its Permit application, to provide a detail of any other existing improvements located over, under, upon or through the Property and the Permittee's accompanying plans and specifications shall clearly indicate how the Permittee will comply with required clearances between the requested permitted activity and existing improvements located over, under and upon the Property, including compliance with other permitted users duly adopted and published standards.

14. Permittee shall reimburse the DISTRICT for its legal, engineering and other expenses incurred as a result of the implementation of the proposed project.

15. If Permittee should violate any of the terms or conditions of the Permit and shall not correct or remedy same within ten (10) days of receiving written notice of said violation from the DISTRICT, then in that event, the DISTRICT may, at its option, revoke, cancel and terminate this Permit.

16. This Permit may not be assigned by the Permittee without the prior written approval of the DISTRICT.

17. Unless otherwise adjusted, modified or terminated as set forth hereinabove, including the Conditions

attached hereto, this Permit shall continue in full force and effect so long as Permittee complies with the terms of this Permit.

18. In any litigation, including breach, enforcement or interpretation arising out of this Permit, the prevailing party to this Permit shall be entitled to recover reasonable attorney's fees, costs and expenses related to said action from the non-prevailing party.

19. That attached hereto are Supplemental Conditions to this Permit which are incorporated herein and made a part hereof.

LEHIGH ACRES – MUNICIPAL SERVICES IMPROVEMENT DISTRICT

BY: _____

NAME TYPED: David E. Lindsay

TITLE: District Manager

SUPPLEMENTAL CONDITIONS TO PERMIT NO. 25-40 (M2)

A. GENERAL CONDITIONS

1. Notification shall be given by the Permittee to the District Engineer, AIM Engineering, at 239-332-4569 forty-eight (48) hours prior to commencement of the permitted activity. The District Engineer shall establish points of construction, if applicable, which will require inspection by the District Engineer prior to construction of the permitted activity. When the Permittee considers the permitted activity complete, the Permittee shall notify the District Engineer and schedule an on-site final inspection which shall be held in the presence of a representative of the Permittee and the District Engineer.

2. The permitted activity shall be implemented, constructed and/or installed in full accordance with the approved plans and specifications within six (6) full calendar years from the date of permit approval. Deviations from the approved plans or specifications shall be coordinated with and approved by the District Engineer prior to implementation of any such deviation.

3. When working in a District road right-of-way, not more than one-half (½) of the road or street shall be closed and traffic shall be controlled so as to provide for the safety and minimum hindrance to the public. All traffic control operations shall conform to the most current issue of the Florida Department of Transportation publication "Manual on Traffic Controls and safe Practices for Street and Highway Construction, Maintenance and Utility Operations."

4. The District Engineer shall be the final authority as to the quality and quantity of the material and works required to satisfy the terms and conditions of this Permit as they relate to District improvements and facilities.

5. Upon completion of the permitted activity and after its final review and acceptance by the District Engineer THE PERMITTEE SHALL DELIVER TO THE DISTRICT OFFICE ONE COMPLETE SET OF THE FINAL "RECORD DRAWINGS." FAILURE TO PROVIDE THE FINAL RECORD DRAWINGS MAY RESULT IN THE REVOCATION, CANCELLATION AND TERMINATION OF THIS PERMIT.

6. The above Conditions shall be continuing obligations of the Permittee and shall be complied with in the event of any subsequent maintenance, repair, replacement or modification of the permitted improvement.

Stipulations:

1). Permit #25-40 (M2) is approved according to the revised plans and calculations submitted May 20th, 2026.

2). Maintenance of the entire master on-site storm water management system and lakes are the responsibility of the Permittee.

3). Any disturbed canal right-of-way must be restored with sod and maintained until fully established. Seeding will not be permitted.

4). An "As-Built" survey showing the completed improvements (including perimeter berm, pipe inverts, finished floor elevations and all drainage structure elevations) must be submitted to Lehigh Acres - MSID within 30 days following completion of the improvements.

5). Each development parcel will need to submit their site plans and drainage calculations for individual drainage permits from LAMSID, in compliance with the overall revised master plan being approved under this permit modification.

6). Permittee shall obtain any other permits required by EPA, FDEP, SFWMD, FDOT and Lee County prior to starting construction and submit a copy to LA-MSID.

PART I

DATE SUBMITTED: 05 - 20 - 26

PERMIT #: 25 - 40 (M2)

APPLICATION FOR A PERMIT

*Note: The review of permit applications will be conducted per the Lehigh Acres Municipal Services Improvement District's Administrative Policy and Procedures

AGENT NAME: Atwell, LLC **PHONE #:** (239)939-5490

PROJECT NAME: Blackstone Corporate Park

TOTAL ACREAGE: 61.78 ACRES

Property Address (STRAP associated with this address will be used as the primary STRAP for this project):					
Mailing Address:	336 Blackstone Drive				
City:	Fort Myers	**State:**	Florida	**Zip:**	33913

STRAP NUMBERS (*attach additional sheet if necessary*):

2	0	-	4	5	-	2	7	-	7	2	-	0	0	0	5	1	-	0	0	0	0		
2	0	-	4	5	-	2	7	-	5	5	-	0	0	0	4	4	-	0	0	0	0		
2	0	-	4	5	-	2	7	-	6	3	-	0	0	2	3	9	-	0	0	9	1		
2	0	-	4	5	-	2	7	-	6	3	-	0	0	2	3	9	-	0	1	0	0		
		-			-			-			-						-						

Brief description of proposed project:

Application for: Minor Modification to existing LAMSID Permit #25-40 (M1) for the backbone infrastructure with roads and stormwater system to support future commercial development. The Lake #2 was made more sinuous per Lee County request which slightly reduced Lake 2 area.

Is the project proposed to be developed in phases? ☐ **Yes** ☒ **No**

Estimated # of Phases:	N/A
***Permit Fee:**	$ 500.00 (Minor Modification Fee to be verified by staff)

* See Administrative Policy and Procedures Sections 4.15 – 4.17 for current Permit Fee Amount.

PART II

OWNER/APPLICANT/ DEVELOPER INFORMATION

A.

Name of Applicant	CNL Fort Myers Blackstone, LLC						
Mailing Address:	**Street:**	6562 University Pkwy, Suite 210					
City:	Sarasota	**State:**	FL		**Zip:**	34240	
Phone No.	**Area Code:**	941	**Number:**	454 - 2714	**Ext.**		
Fax No.	**Area Code:**		**Number:**	-			
E-mail Address:	dmoyer@castoinfo.com						

B. **Relationship of applicant to property*:**

☒ **Owner*** ☐ **Trustee*** ☐ **Option holder*** ☐ **Lessee***

☐ **Contract Purchaser*** ☐ **Other (indicate)*** ____

C.

Name of Developer:	CNL Fort Myers Blackstone, LLC					
Mailing Address:	**Street:**	6562 University Pkwy, Suite 210				
City:	Sarasota	**State:**	FL	**Zip:**	34240	
Phone No.	**Area Code:**	(941)	**Number:**	454 - 2714	**Ext.**	
Fax No.	**Area Code:**	( )	**Number:**	-		
E-mail Address:	dmoyer@castoinfo.com					

D.

Name of Authorized Agent(s):	Rachel Tracey, P.E. - Atwell, LLC					
Mailing Address:	**Street:**	10511 Six Mile Cypress Pkwy, Suite 101				
City:	Fort Myers	**State:**	Florida	**Zip:**	33966	
Phone No.	**Area Code:**	(239)	**Number:**	939 - 5490	**Ext.**	
Fax No.	**Area Code:**	( )	**Number:**	-		
E-mail Address:	rtracey@atwell.com					

E.

Name of Property Owner:	Same as Applicant					
Mailing Address:	**Street:**					
City:		**State:**		**Zip:**		
Phone No.	**Area Code:**	( )	**Number:**	-	**Ext.**	
Fax No.	**Area Code:**	( )	**Number:**	-		
E-mail Address:						

*A disclosure of the name of all persons or entities having an ownership interest in the property is required (attached).

PART III

ADDITIONAL STRAP NUMBERS:
20-45-27-55-00044.0000, 20-45-27-63-00239.0090, 20-45-27-63-00239.0100, 20-45-27-71-00050.0000

DISCLOSURE OF OWNERSHIP INTEREST FORM FORM:

PRIMARY STRAP NUMBER: 20 - 45 - 27 - 72 - 00051 - 0000

1. If the property is owned in the fee simple by an **INDIVIDUAL,** tenancy by the entirety, tenancy in common, or joint tenancy, list all parties with an ownership interest as well as the percentage of such interest.

Name and Address	Percentage of Ownership

2. If the property is owned by a **CORPORATION,** list the officers and stockholders and the percentage of stock owned by each.

Name, Address, Office	Percentage of Stock

3. If the property is in the name of a **TRUSTEE,** list the beneficiaries of the trust with percentages of interest.

Name and Address	Percentage of Interest

4. If the property is in the name of a **GENERAL PARTNERSHIP OR LIMITED PARTNERSHIP,** list the names of general and limited partners.

Name and Address	Percentage of Interest

5. If there is a **CONTACT FOR PURCHASE**, whether contingent on this application Or not, and whether a Corporation, Trustee, or Partnership, list the names of the contract purchasers below, including the officers, stockholders, beneficiaries, or partners.

Name and Address	Percentage of Interest

Date of Contract (mm/dd/yy): / /

6. If any contingency clause or contract terms involve additional parties, list all individuals or officers, if a corporation, partnership, or trust.

Name and Address	Percentage of Interest

For any changes of ownership of changes in contracts for purchase subsequent to the date of the application, but prior to the date of final certificate for compliance, a supplemental disclosure of interest must be filed.

The above is a full disclosure of all parties of interest in this application, to the best of my knowledge and belief.

Michael Chadwick
SIGNATURE OF APPLICANT

Manager, CNL Fort Myers Blackstone, LLC
PRINTED OR TYPED NAME OF APPLICANT

STATE OF FLORIDA
COUNTY OF LEE

The foregoing instrument was acknowledged before me this 26th day of January (m), 2026(y), by Michael Chadwick who is personally know to me or has produced _____ as identification.

Notary Public State of Florida
Erica McMillin
My Commission HH 452659
Expires 10/9/2027

SIGNATURE OF NOTARY PUBLIC

Erica McMillin
PRINTED NAME OF NOTARY PUBLIC

PART VI

SUBMITTALS

NO. OF COPIES		SUBMITTAL DOCUMENT
SUB'D	REQ'D	
		ITEMS REQUIRED FOR INITIAL SUBMITTAL
2	2	**Construction/Development Plans** signed and sealed by a Licensed Florida Professional Engineer including: 1. Location map showing the location of the proposed project in relation to adjacent streets and LA-MSID facilities. 2. Details of proposed works that fully communicate the work and/or use desired (i.e. Existing Conditions Survey, Proposed Site Plan, Paving Grading & Drainage Plan, Cross Sections, Element Details, and Erosion Control Plan sheets). 3. Sufficient survey data to determine elevations, property and ROW lines, limits of existing and proposed conditions, and notation of utilized vertical datum (NAVD/NGVD).
2	2	**Stormwater Drainage Calculations** signed and sealed by a Licensed Florida Professional Engineer including, but not limited to, computer stormwater routing modeling data (ICPR4, Cascade, etc.) to verify compliance with the Design Criteria (input summary data below): **Water Quality Volume (Required):** See SWM Report which includes nutrient analysis based on new SFWMD performance standards (ACRE-FT) **Water Quality Volume (Provided):** _____ (ACRE-FT) **Control Elevation:** 29.22 (FT-NGVD) **Minimum Road/Parking Elevation:** 31.92 (FT-NGVD) *(above the 10-year, 1-day design storm peak stage elevation)* **Minimum Perimeter Berm Elevation:** 32.92 (FT-NGVD) *(above the 25-year, 3-day design storm peak stage elevation)* **Minimum Finished Floor Elevation:** 33.54 (FT-NGVD) *(above the 100-year, 3-day design storm peak stage elevation and previously experienced high-water levels external to project)*
2	2	**Flash Drive / CD** containing plans in both AutoCAD (.dwg file drawn in "State Plane Coordinates") and PDF formats.
2	2	**Permit Application** (PARTS I & II)
2	2	**Disclosure of Owner Form (signed and notarized)** (PART III)
2	2	**Professional Consultant Form & Submittals** (PARTS V & VI)
2	2	**Copy of Approved FDEP Notice of Intent (NOI)** for all sites one (1) acre and greater in size.
2	2	**Copy of approved SWFMD permit**, for all sites required to get a permit, **or FDEP "10/2 Self-Certification"** approval.
2	1	**Check for appropriate Permit Fees** made out to LA-MSID.

Conversion NAVD > NGVD = 1.22

Ent	Acct No	Invoice	Date	Special Handling	Reference	Deposit Codes	Net
755008	16601	CR016949BK26	5/14/2026		PERMIT FT MY BLKSTN		500.00

Permit #25-40 (MZ)

Payor:	CNL FORT MYERS BLACKSTONE, LLC	Vendor ID	Date	Check No.	Check Amount
Payee:	LEHIGH ACRES MUNICIPAL SERVICES	601008	5/14/2026	000033	500.00

Retain this statement for your records

VERIFY THE AUTHENTICITY OF THIS MULTI-TONE SECURITY DOCUMENT. CHECK BACKGROUND AREA CHANGES COLOR GRADUALLY FROM TOP TO BOTTOM.

COPYSAFE FEATURES ANTI-FRAUD PROTECTION

Security Features Included Details on Back...

CNL FORT MYERS BLACKSTONE, LLC
250 CIVIC CENTER DRIVE, SUITE 500
COLUMBUS, OH 43215

THE HUNTINGTON NATIONAL BANK
41 South High Street (HC0840)
Columbus, OH 43287

25-2
440

Date	Check No.	Check Amount
5/14/2026	000033	**500.00**

Five Hundred AND 00/100 Dollars

Pay to the order of:

VOID IF NOT CASHED WITHIN 90 DAYS WITHIN DATE OF ISSUE

LEHIGH ACRES MUNICIPAL SERVICES
IMPROVEMENT DISTRICT
601 EAST COUNTY LANE
LEHIGH ACRES, FL 33936

John D Carr

⑈000033⑈ ⑆044000241⑆ 0189430514 3⑈

ATWELL

May 20, 2026

Lehigh Acres Municipal Services Improvement District
601 East County Lane
Lehigh Acres, Florida 33936

Reference: **Blackstone Corporate Park**
Minor Modification 02 to LAMSID Permit #25-40 (M1)

To Whom It May Concern,

The above-mentioned project proposes a minor modification to existing LAMSID permit #25-40 (M1) for Blackstone Corporate Park. Please see enclosed updated plans and report. The site has been modified as Lee County requested a sinuous lake outline for Lake #2. The Lake 2 area a control is now 6.95 acres rather than 7.25 acres. Associated minor updates were made to plans and models.

The site provides additional attenuation over the previous submitted and decreases the previous requested impervious area.

Attached please find the following items being submitted for review:

One (1) of each of the following items is included with this submittal:
1. Check in the amount of $500.00 for the Minor Modification Application Fee
2. CD with PDF and AutoCAD file of Engineering Plans

Three (3) copies of the following items are included with this submittal:
1. Copy of Existing LAMSID 25-40 (M1) Approval
2. Cover Letter
3. Revised Stormwater Management Report
4. Revised Application for a Permit
5. Engineering Plans

If you have any questions regarding this submittal, please feel free to contact me at our Fort Myers office.

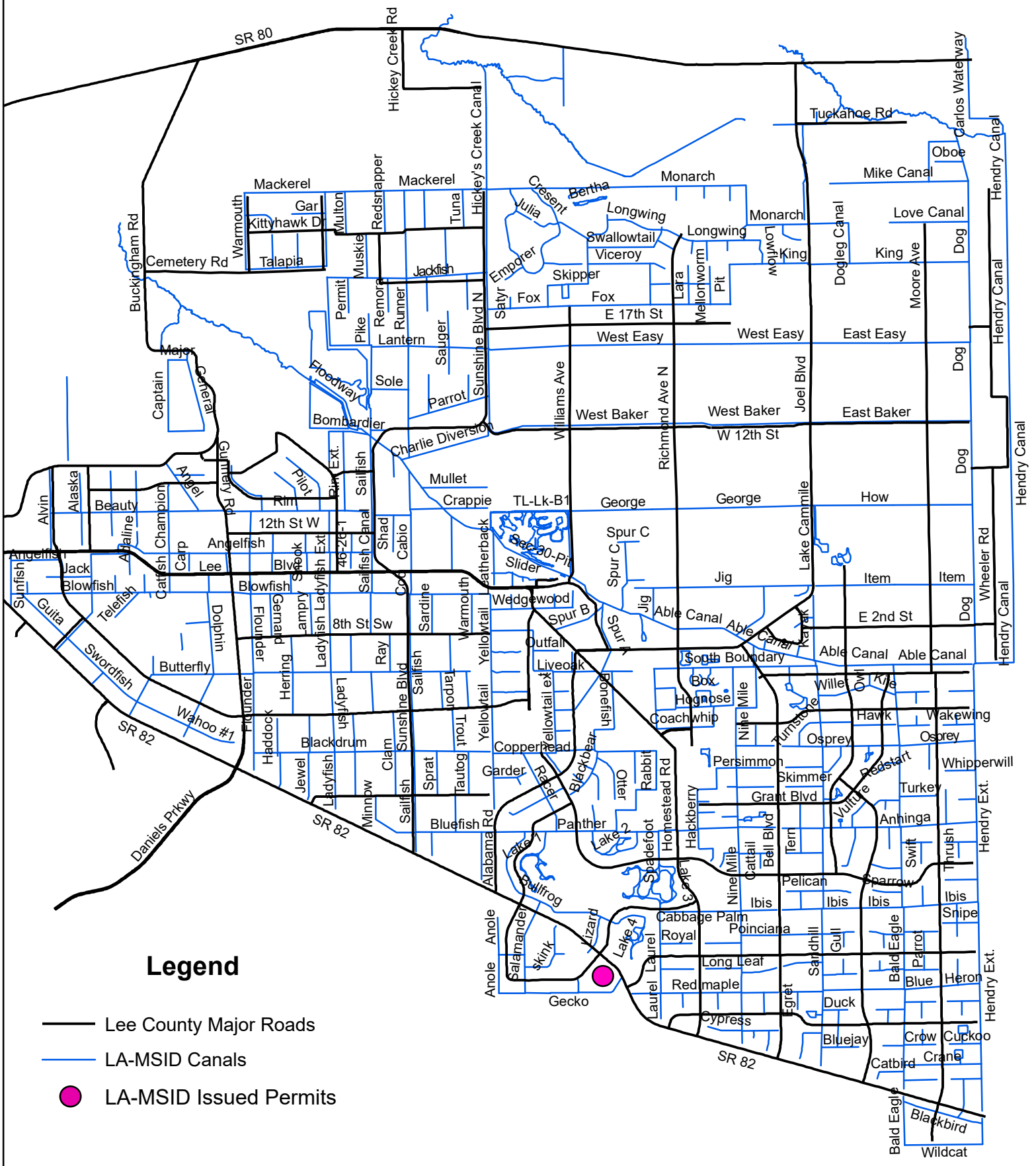
Sincerely,
ATWELL, LLC

Rachel Tracey, P.E.
Project Manager
rtracey@atwell.com

Cc: Megan Knight, mknight@atwell.com

RECEIVED
MAY 20 2026
LEHIGH ACRES
MUNICIPAL SERVICES
IMPROVEMENT DISTRICT

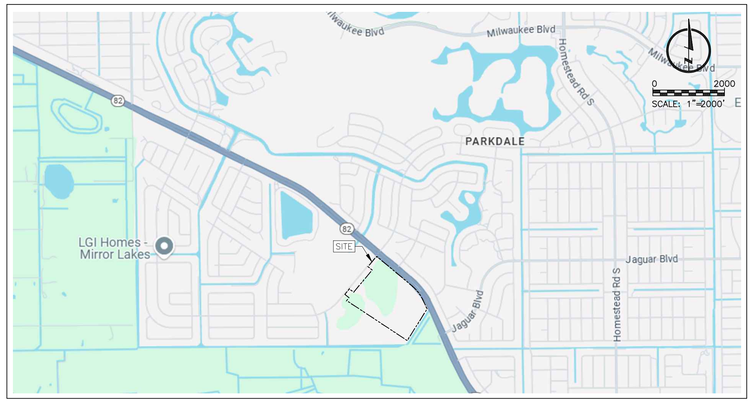
Permit # 2025-40 (M2)



Legend

- Lee County Major Roads
- LA-MSID Canals
- LA-MSID Issued Permits

BLACKSTONE CORPORATE PARK



GENERAL LOCATION MAP



LOCATION MAP

SECTION 20

TOWNSHIP 45 SOUTH

RANGE 27 EAST

LEE COUNTY, FLORIDA

SITE INFORMATION

PROJECT AREA: 61.78 AC

PARCEL STRAP NO: 20-45-27-72-00051.0000, 20-45-27-55-00044.0000
20-45-27-63-00239.0100, 20-45-27-63-00239.0090

PARCEL ADDRESS: ACCESS UNDETERMINED
LEHIGH ACRES, FL 33913

CURRENT ZONING: MPD

PROPOSED USE: COMMERCIAL

PREPARED FOR:

CNL FORT MYERS BLACKSTONE, LLC

6562 UNIVERSITY PARKWAY, SUITE 210
SARASOTA, FLORIDA 34240

UTILITY SERVICE PROVIDERS

WATER:
FLORIDA GOVERNMENTAL UTILITY AUTHORITY
9400 SOUTHPARK CENTER LOOP, SUITE 400
ORLANDO, FLORIDA 32819
PHONE: (407) 629-6900

SEWER:
FLORIDA GOVERNMENTAL UTILITY AUTHORITY
9400 SOUTHPARK CENTER LOOP, SUITE 400
ORLANDO, FLORIDA 32819
PHONE: (407) 629-6900

STORMWATER:
LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT
601 EAST COUNTY LANE
LEHIGH ACRES, FLORIDA 33936
PHONE: (239) 368-0044

ELECTRIC:
LEE COUNTY ELECTRIC COOPERATIVE, INC.
P.O. BOX 3455
NORTH FORT MYERS, FLORIDA 33918
PHONE: (239) 656-2300

PHONE:
LUMEN TECHNOLOGIES
2820 CARGO STREET
FORT MYERS, FLORIDA 33916
PHONE: (239) 233-2686

CABLE:
COMCAST
12641 CORPORATE LAKES DRIVE
FORT MYERS, FLORIDA 33913
PHONE: (239) 986-7043

FIRE PROTECTION:
LEHIGH ACRES FIRE CONTROL AND RESCUE DISTRICT
11 HOMESTEAD ROAD S.
LEHIGH ACRES, FLORIDA 33936
PHONE: (239) 303-5300

SOLID WASTE DISPOSAL:
WASTE PRO USA
13110 RICKENBACKER PARKWAY
FORT MYERS, FLORIDA 33913
PHONE: (239) 337-0800

PROJECT CONTACTS

CIVIL ENGINEER:
ATWELL, L.L.C.
RACHEL J. TRACEY, P.E., PROJECT MANAGER
10511 SIX MILE CYPRESS PARKWAY, SUITE 101
FORT MYERS, FLORIDA 33966
PHONE: (239) 939-5490

SURVEYOR:
ATWELL, L.L.C.
ALLEN M. VOSE III, P.S.M.
10511 SIX MILE CYPRESS PARKWAY, SUITE 101
FORT MYERS, FLORIDA 33966
PHONE: (239) 939-5490

LANDSCAPE ARCHITECT:
DAVID M. JONES, JR. AND ASSOCIATES, INC.
GREGORY J. DISERIO, R.L.A.
2221 McGREGOR BOULEVARD
FORT MYERS, FLORIDA 33901
PHONE: (239) 337-5525

TRAFFIC ENGINEER:
TR TRANSPORTATION CONSULTANTS, INC.
TED TREESH
2726 OAK RIDGE COURT, SUITE 503
FORT MYERS, FLORIDA 33901
PHONE: (239) 278-3090

#	SHEET TITLE
01	COVER SHEET
02	EXISTING CONDITIONS & DEMOLITION PLAN
03	BEST MANAGEMENT PRACTICE PLAN & DETAILS
04	GENERAL NOTES
05	PROJECT NOTES
06	MASTER SITE PLAN
07	MASTER DRAINAGE PLAN
08	PAVING, GRADING & DRAINAGE PLAN 1
09	PAVING, GRADING & DRAINAGE PLAN 2
10	PAVING, GRADING & DRAINAGE PLAN 3
11	TYPICAL CROSS SECTIONS 1
12	TYPICAL CROSS SECTIONS 2
13	PAVING, GRADING & DRAINAGE DETAILS 1
14	PAVING, GRADING & DRAINAGE DETAILS 2
~~15~~	~~PRESERVE PLAN~~
~~16~~	~~MASTER UTILITY PLAN~~
~~17~~	~~PLAN & PROFILE 1~~
~~18~~	~~PLAN & PROFILE 2~~
~~19~~	~~PLAN & PROFILE 3~~
~~20~~	~~PLAN & PROFILE 4~~
~~21~~	~~PLAN & PROFILE 5~~
~~22~~	~~PLAN & PROFILE 6~~
~~23~~	~~LIFT STATION DETAILS 1~~
~~24~~	~~LIFT STATION DETAILS 2~~
~~25~~	~~LIFT STATION DETAILS 3~~
~~26~~	~~UTILITY DETAILS 1~~
~~27~~	~~UTILITY DETAILS 2~~
~~28~~	~~UTILITY DETAILS 3~~
~~29~~	~~UTILITY DETAILS 4~~
~~30~~	~~OFF-SITE ROADWAY IMPROVEMENT PLAN~~
~~31~~	~~OFF-SITE ROADWAY IMPROVEMENT PLAN~~
~~32~~	~~OFF-SITE ROADWAY IMPROVEMENT PLAN~~
~~33~~	~~OFF-SITE ROADWAY SECTIONS 1~~
~~34~~	~~OFF-SITE ROADWAY SECTIONS 2~~
~~35~~	~~OFF-SITE ROADWAY SECTIONS 3~~
~~36~~	~~OFF-SITE ROADWAY SECTIONS 4~~
~~37~~	~~OFF-SITE ROADWAY SECTIONS 5~~
~~38~~	~~OFF-SITE ROADWAY SECTIONS 6~~
~~39~~	~~OFF-SITE ROADWAY SECTIONS 7~~
~~40~~	~~OFF-SITE ROADWAY SECTIONS 8~~
~~41~~	~~OFF-SITE ROADWAY SECTIONS 9~~
~~42~~	~~OFF-SITE ROADWAY AUTOTURN ANALYSES~~

FGUA PROJECT NUMBER: 24-088-LED

FDOT PERMIT NUMBERS:
ACCESS PERMIT #2025-A-192-00019
DRAINAGE PERMIT #2025-D-192-00029

ATWELL
866.850.4200 www.atwell-group.com
10511 SIX MILE CYPRESS PKWY, SUITE101
FORT MYERS, FL 33966
239.939.5490

ALL ELEVATIONS ON CIVIL ENGINEERING PLANS REFERENCE: NAVD'88

NO.	DATE	REVISION DESCRIPTION	BY
1	07/11/2025	REVISED PER COUNTY & FGUA COMMENTS	VZ
2	10/17/2025	REVISED PER COUNTY COMMENTS	VZ
3	02/06/2026	REVISED PER COUNTY COMMENTS	VZ
4	03/27/2026	REVISED PER SFWMD & COUNTY COMMENTS	VZ
5	04/27/2026	REVISED PER SFWMD COORDINATION	VZ

RACHEL J. TRACEY, P.E.
P.E. LIC. #65322

n:\Atwell\Jobs\24xx\24003606 - fort myers blackstone\engineering\dev plans\01 COVER SHEET.dwg, 4/27/2026 12:59:28 PM, VANN ZALESANSKI, ATWELL, LLC

k:\Atwell\Jobs\24xx\24003608 - fort myers blackstone\engineering\dev plans\02 EXISTING CONDITIONS & DEMOLITION PLAN.dwg, 4/27/2026 1:00:04 PM, VIVIAN ZALESANSKI, ATWELL, LLC



LEGEND:
- = EXISTING FLOW
- = DEMOLITION

811 Know what's below. Call before you dig.

ALL UTILITIES ARE SHOWN IN APPROXIMATE LOCATIONS AND ARE TO BE FIELD VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION.

NO.	DATE	REVISION DESCRIPTION	BY
1	07/11/2024	PER COUNTY & FDOA COMMENTS	VZ

EXISTING CONDITIONS & DEMOLITION PLAN

BLACKSTONE CORPORATE PARK

LEE COUNTY, FLORIDA

PREPARED FOR:

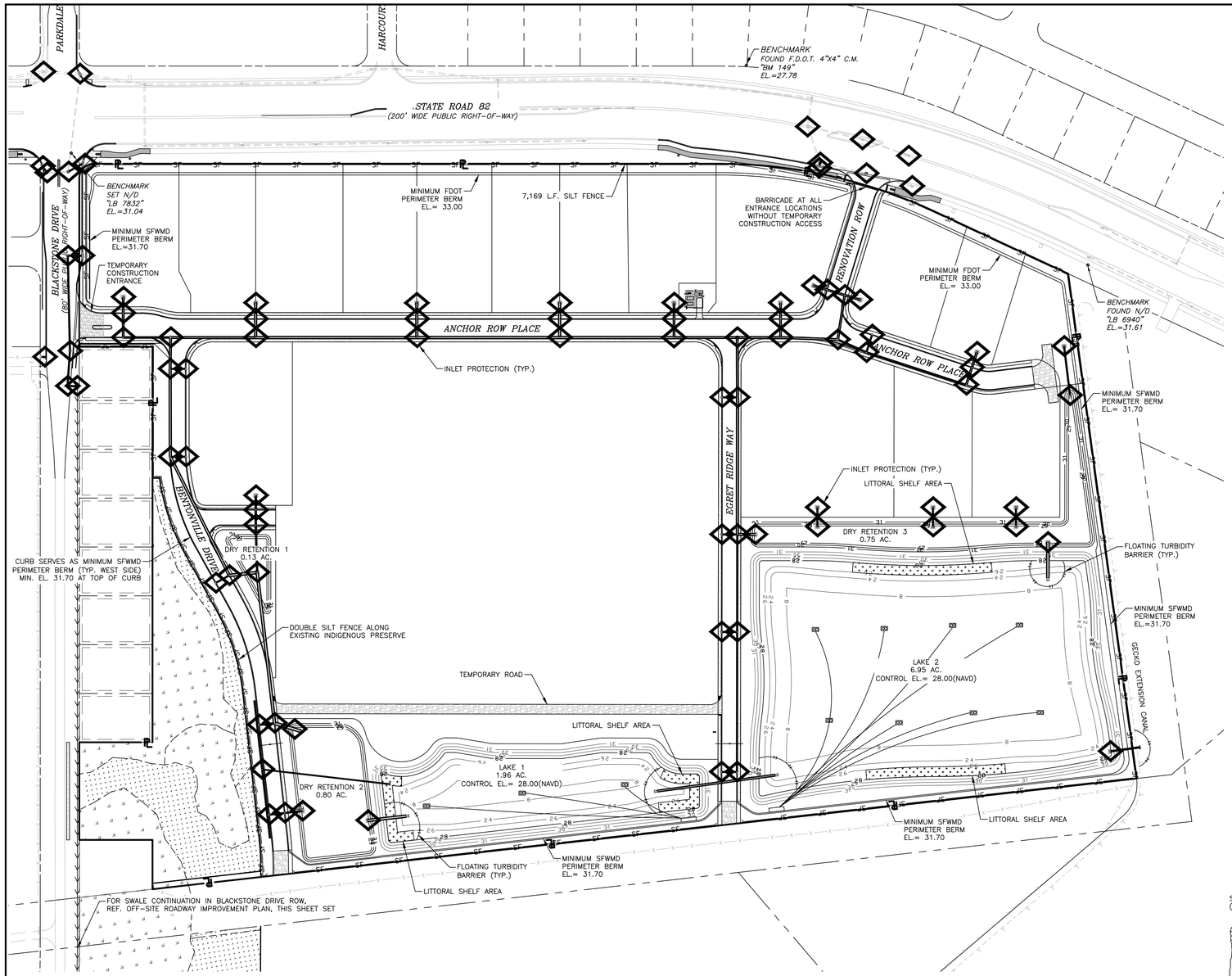
CNL FORT MYERS BLACKSTONE, LLC

ATWELL
866.850.4200 www.atwell-group.com
10511 SIX MILE CYPRESS PKWY, SUITE101
FORT MYERS, FL 33966
239.939.5490

RACHEL I. TRACEY P.E.
P.E. LIC. #83327

DRAFTED BY: VZ
DESIGNED BY: RGT
REVIEWED BY: DBA
PROJECT NUMBER: 24003608
COMPLETION DATE: 07/11/2024
SURVEY DATE: N/A
BOOK AND PAGE:

SHEET 02



LEGEND:

= STAKED SEDIMENT AT INLETS

—SF— = STAKED SILT FENCE

= TURBIDITY BARRIER

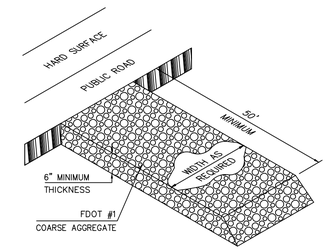
0 120 240
SCALE: 1"=120'

GENERAL NOTES:

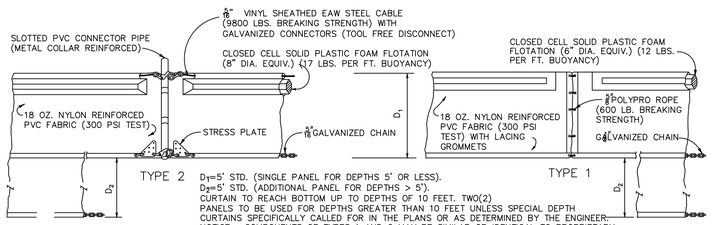
1. PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITY, APPROPRIATE EROSION CONTROL DEVICES SHALL BE INSTALLED TO CONTROL AND REDUCE SOIL EROSION AND SEDIMENT TRANSPORT TO OFF SITE AREAS. THE CONTRACTOR SHALL MAINTAIN THESE DEVICES THROUGHOUT THE DURATION OF CONSTRUCTION. ALL DEVICES SHALL REMAIN IN PLACE UNTIL THE SURROUNDING AREAS ARE ESTABLISHED.

2. THE FOLLOWING MINIMUM REQUIREMENTS ARE RECOMMENDED: (REFERENCE FLORIDA DEVELOPMENT MANUAL, FDER, PPS 6-301 TO 6-500).
   - A) BMP 1.01 – TEMPORARY GRAVEL CONSTRUCTION ENTRANCE
   - B) BMP 1.05 – STRAW BALE BARRIER
   - C) BMP 1.06 – SILT FENCE
   - D) BMP 1.08 – STORM INLET DRAIN PROTECTION

3. THESE BEST MANAGEMENT PRACTICES (BMP) ARE TYPICAL OF THE REQUIREMENTS FOR SOIL EROSION CONTROL PER DIVISION 3.7 OF THE LEE COUNTY LAND DEVELOPMENT CODE. THEY MAY NOT CONSTITUTE COMPLETE REQUIREMENTS FOR COMPLIANCE WITH REGULATORY AGENCIES AND SPECIFIC PERMIT CONDITIONS.

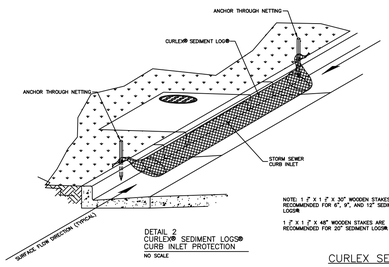


GRAVEL CONSTRUCTION ENTRANCE
Not To Scale

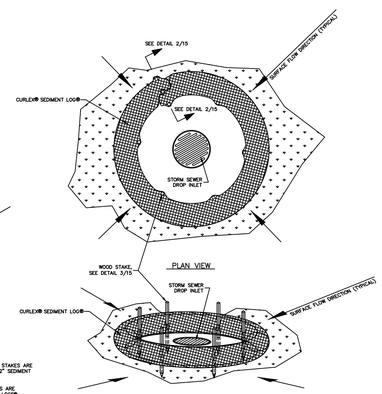


D_1=5' STD. (SINGLE PANEL FOR DEPTHS 5' OR LESS).
D_2=5' STD. (ADDITIONAL PANEL FOR DEPTHS > 5').
CURTAIN TO REACH BOTTOM UP TO DEPTHS OF 10 FEET. TWO(2) PANELS TO BE USED FOR DEPTHS GREATER THAN 10 FEET UNLESS SPECIAL DEPTH CURTAINS SPECIFICALLY CALLED FOR IN THE PLANS OR AS DETERMINED BY THE ENGINEER. NOTICE: COMPONENTS OF TYPES 1 AND 2 MAY BE SIMILAR OR IDENTICAL TO PROPRIETARY DESIGNS. ANY INFRINGEMENT ON THE PROPRIETARY RIGHTS OF THE DESIGNER SHALL BE THE SOLE RESPONSIBILITY OF THE USER. SUBSTITUTIONS FOR TYPES 1 AND 2 SHALL BE AS APPROVED BY THE ENGINEER.

FLOATING TURBIDITY BARRIER DETAIL



DETAIL 2
CURLEX® SEDIMENT LOGS®
CURB INLET PROTECTION
NO SCALE

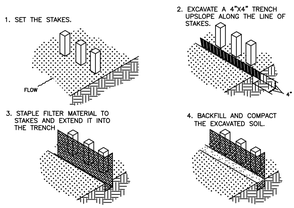


NOTE: 1.5" X 1.5" X 30" WOODEN STAKES ARE RECOMMENDED FOR 6", 9", AND 12" SEDIMENT LOGS®

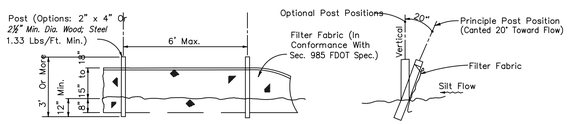
1.5" X 1.5" X 48" WOODEN STAKES ARE RECOMMENDED FOR 20" SEDIMENT LOGS®

DETAIL 1
CURLEX® SEDIMENT LOGS®
DROP INLET PROTECTION
NO SCALE

CURLEX SEDIMENT LOGS
CURB INLET PROTECTION

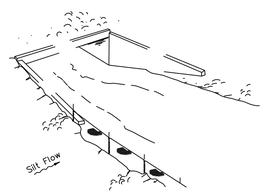


CONSTRUCTION OF A FILTER BARRIER
NTS

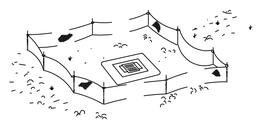


Note: Silt Fence to be paid for under the contract unit price for Staked Silt Fence (LF).

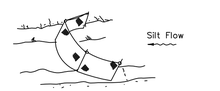
TYPE III SILT FENCE
Not To Scale



Type III Silt Fence



Type III Silt Fence Protection
Around Ditch Bottom Inlets.



Note: Spacing for Type III Silt Fence to be in accordance with Chart I, Sheet 1 of 3 and ditch installations at drainage structures Sheet 2 of 3.

Type III Silt Fence

Do not deploy in a manner that silt fences will act as a dam across permanent flowing watercourses. Silt fences are to be used at upland locations and turbidity barriers used at permanent bodies of water.

SILT FENCE APPLICATIONS
Not To Scale

ATWELL
866.850.4200 www.atwell-group.com
10511 SIX MILE CYPRESS PKWY, SUITE101
FORT MYERS, FL 33966
239.936.5490

BEST MANAGEMENT PRACTICE PLAN & DETAILS

BLACKSTONE CORPORATE PARK

LEE COUNTY, FLORIDA

PREPARED FOR: CNL FORT MYERS BLACKSTONE, LLC

NO.	DATE	REVISION DESCRIPTION	BY

811 Know what's below. Call before you dig.

ALL UTILITIES ARE SHOWN BASED ON THE INFORMATION AVAILABLE TO THE ENGINEER. THERE IS NO GUARANTEE, ALL FACILITIES ARE SHOWN, OR THAT THE LOCATION SHOWN OR THE SIZE OF EACH FACILITY IS CORRECT. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UTILITIES AND SERVICE LINES PRIOR TO CONSTRUCTION.

RACHEL J. TRACEY, P.E.
P.E. LIC. #85322

DRAFTED BY:	DESIGNED BY:	REVIEWED BY:
VZ	RJT	DBA
PROJECT NUMBER: 24003608	COMPLETION DATE: 01/31/2025	SURVEY DATUM: NAVD'88
BOOK AND PAGE:		

SHEET 03

x:\Atwell\Jobs\24xx\24003608 - fort myers blackstone\engineering\dev plans\03 BEST MANAGEMENT PRACTICE PLAN & DETAILS.dwg, 4/21/2025 1:03:22 PM, VIVIAN ZALEMSKI, ATWELL, LLC

PRE-BID SUBMITTAL:

THE CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO BIDDING TO FAMILIARIZE HIMSELF WITH THE CONDITIONS FOR CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL OBTAIN FROM THE OWNER A WRITTEN LIST OF ALL PERMITS AND COPIES THEREOF, AND CAREFULLY REVIEW ALL PLANS, SPECIFICATIONS, AND PERMITS PREVIOUSLY SECURED ON BEHALF OF THE OWNER. IN CASE OF ANY DISCREPANCY EITHER IN PERMIT DOCUMENTS, PLANS, DRAWINGS, OR SPECIFICATIONS, THE CONTRACTOR MUST PROMPTLY SUBMIT A "WRITTEN CLARIFICATION REQUEST" TO THE OWNER, WHO WILL PROMPTLY FORWARD THE REQUEST TO THE ENGINEER WHO WILL MAKE A DETERMINATION IN WRITING. THE CONTRACTOR MUST VERIFY EXISTING FACILITY INFORMATION, AND ALL DESIGN/PERMIT DATA REQUIRED FOR WORK THAT IS TO CONNECT WITH EXISTING FACILITIES. ANY DISCREPANCIES BETWEEN THE CONTRACT REQUIREMENTS AND THE EXISTING CONDITIONS MUST BE REPORTED TO THE OWNER IN WRITING, FOR AN ENGINEERING DETERMINATION. ANY FUTURE ADJUSTMENT DUE TO FAILURE BY THE CONTRACTOR TO IDENTIFY THE RELATED DISCREPANCY, WILL BE AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY LICENSES, ADDITIONAL PERMITS, AND FOR COMPLYING WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, CODES, AND REGULATIONS IN CONNECTION WITH THE PERFORMANCE OF THE WORK.

CONSTRUCTION SAFETY AND LIABILITY:

THE CONTRACTOR MUST TAKE PROPER SAFETY AND HEALTH PRECAUTIONS TO PROTECT THE WORK, THE WORKERS, THE PUBLIC, AND THE PROPERTY OF OTHERS. THE CONTRACTOR IS RESPONSIBLE ALSO FOR ALL MATERIALS DELIVERED AND WORK PERFORMED UNTIL COMPLETION AND ALL ACCEPTANCES HAVE BEEN OBTAINED. THE CONTRACTOR SHALL MAINTAIN TRAFFIC DURING CONSTRUCTION IN ACCORDANCE WITH THE STATE OF FLORIDA ROADWAY AND TRAFFIC DESIGN STANDARDS (LATEST EDITION). THE CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGE TO PERSONS OR PROPERTY THAT OCCURS AS A RESULT OF THE CONTRACTOR'S NEGLIGENCE. THE CONTRACTOR MUST SAVE HARMLESS AND INDEMNIFY THE OWNER AND THE ENGINEER OF RECORD, ITS OFFICERS, REPRESENTATIVES AND EMPLOYEES FROM ALL CLAIMS, LOSS, DAMAGE, ACTIONS, CAUSES OF ACTION, AND/OR EXPENSES RESULTING FROM, BROUGHT FOR, OR ON ACCOUNT OF ANY PERSONAL INJURY OR PROPERTY DAMAGE RECEIVED OR SUSTAINED BY ANY PERSONS OR PROPERTY GROWING OUT OF OCCURRING, OR ATTRIBUTABLE TO ANY ACT OR OMISSION UNDER OR RELATED TO THE CONTRACT, RESULTING IN WHOLE OR IN PART FROM THE NEGLIGENT ACTS OR OMISSIONS OF THE CONTRACTOR, ANY SUBCONTRACTOR, OR ANY EMPLOYEE, AGENT, OR REPRESENTATIVE OF THE CONTRACTOR OR ANY SUBCONTRACTOR.

PRE-CONSTRUCTION:

THE OWNER SHALL SECURE PRIOR TO CONSTRUCTION A PROFESSIONAL LAND SURVEYOR TO PERFORM AN "AS-BUILT" SURVEY OF ALL COMPLETED IMPROVEMENTS. THE OWNER SHALL ALSO SECURE PRIOR TO CONSTRUCTION A PROFESSIONAL ENGINEER TO PROVIDE THE APPROPRIATE SERVICES NEEDED IN ORDER TO CERTIFY TO ALL APPLICABLE REGULATORY AGENCIES THAT THE IMPROVEMENTS WERE CONSTRUCTED IN SUBSTANTIAL COMPLIANCE WITH ALL APPLICABLE PERMITS AND APPROVALS. THE OWNER SHALL COORDINATE A PRE-CONSTRUCTION MEETING WITH THE ENGINEER, SURVEYOR, CONTRACTOR, TESTING LAB, UTILITY COMPANIES, AND APPROPRIATE REGULATORY AGENCIES. THE CONTRACTOR SHALL PROVIDE A SHOP DRAWING SUBMISSION SCHEDULE FOR ALL PROJECT MATERIALS AND COMPONENTS. THE CONTRACTOR SHALL NOT INITIATE CONSTRUCTION OF ANY PORTION OF THE IMPROVEMENTS UNTIL THE SHOP DRAWINGS HAVE BEEN REVIEWED AND APPROVED FOR THAT PORTION BY THE ENGINEER. THE OWNER, CONTRACTOR, ENGINEER AND UTILITY COMPANY SHALL ALSO DISCUSS ALL DOCUMENTATION REQUIRED FOR CONTRIBUTED FACILITIES TRANSFER FROM THE OWNER/DEVELOPER TO THE UTILITY COMPANY UPON PROJECT COMPLETION, UNLESS OTHERWISE SPECIFIED BY THE UTILITY COMPANY, THE FOLLOWING DOCUMENTS SHALL BE PROVIDED:

DOCUMENTS REQUIRED FOR CONTRIBUTED FACILITIES FROM DEVELOPER TO UTILITY COMPANY:

1. UTILITY EASEMENT(S): MUST BE RECORDED AT COUNTY CLERK OF COURT OFFICE BEFORE SUBMITTING TO UTILITY.
2. EASEMENT ACKNOWLEDGEMENT.
3. AFFIDAVIT.
4. RELEASE OF LIEN.
5. BILL OF SALE.
6. ASSIGNMENT OF RIGHTS UNDER UTILITY AGREEMENT: WHEN PROPERTY HAS BEEN TRANSFERRED TO A NEW OWNER.
7. RECORD DRAWINGS (AS-BUILT): MUST BE SIGNED AND SEALED BY ENGINEER OF RECORD, SUBMIT TWO REPRODUCIBLE COPIES OF PRINTS.
8. DETAILED COST OF CONSTRUCTION: MUST INCLUDE INDIVIDUAL ITEMS OR APPURTENANCES, UNIT COST AND TOTAL COST OF EACH. DO NOT INCLUDE WATER SERVICE LINES OR SEWER LATERALS.
9. DESCRIPTION OF FACILITIES: A SHORT EXPLANATION DEPICTING WHAT HAS BEEN CONSTRUCTED.
10. D.E.P. APPLICATION(S).
11. INSPECTION REPORT(S).
12. PRESSURE TEST REPORT(S).
13. INFILTRATION-EXFILTRATION TEST REPORT(S), INCLUDING VIDEO TAPES AND LAMPING REPORTS.
14. LIFT STATION INSPECTION (START-UP) REPORT(S) AND EQUIPMENT SHOP DRAWINGS.
15. BACTERIOLOGICAL TEST REPORT(S).
16. ENGINEER'S CERTIFICATE OF SUBSTANTIAL COMPLETION TO D.E.P.
17. SYSTEM(S) ACCEPTANCE LETTER(S) FROM D.E.P.

NOTES: ITEM 1-6 & 8 TO BE SUPPLIED BY OWNER. ITEMS 7 & 9-17 TO BE SUPPLIED TO ENGINEER OF RECORD.

UNLESS OTHERWISE SPECIFIED BY THE UTILITY, THE CONTRACTOR SHALL NOTIFY THE SUPERINTENDENTS OF THE WATER, GAS, SEWER, TELEPHONE, AND POWER COMPANIES, 10 DAYS IN ADVANCE, THAT THE CONTRACTOR INTENDS TO START WORK IN A SPECIFIC AREA. THE OWNER AND ENGINEER DISCLAIM ANY RESPONSIBILITY FOR THE SUPPORT AND PROTECTION OF SEWERS, DRAINS, WATER LINES, GAS LINES, CONDUITS OF ANY KIND, UTILITIES OR OTHER STRUCTURES OWNED BY THE CITY, COUNTY, STATE OR BY PRIVATE OR PUBLIC UTILITIES LEGALLY OCCUPYING ANY STREET, ALLEY, PUBLIC PLACE, RIGHT-OF-WAY, OR EASEMENT.

PROJECT SIGN:

THE CONTRACTOR SHALL PROVIDE AND MAINTAIN A CONSTRUCTION PROJECT SIGN AT A LOCATION DIRECTED BY THE OWNER. ATWELL, L.L.C. SHALL PROVIDE A SEPARATE SIGN FOR INSTALLATION BY THE CONTRACTOR AT THIS LOCATION. THESE SIGNS SHALL BE ERECTED WITHIN 15 DAYS AFTER RECEIVING A NOTICE TO PROCEED. UPON PROJECT COMPLETION, THE CONTRACTOR SHALL REMOVE THESE SIGNS AND RETURN TO ATWELL, L.L.C. THEIR SIGN.

ENVIRONMENTAL PROTECTION DURING CONSTRUCTION:

PROTECTION OF LAND RESOURCES – EXCEPT IN AREAS IDENTIFIED ON THE PLANS TO BE CLEARED, THE CONTRACTOR MUST NOT DEFACE, INJURE, OR DESTROY TREES OR SHRUBS OR REMOVE OR CUT THEM WITHOUT WRITTEN AUTHORIZATION FROM THE OWNER. IN THE ABSENCE OF A CLEARING PLAN, AREAS SHOWN FOR IMPROVEMENTS SHALL BE CLEARED UNLESS NOTED OTHERWISE.

PROTECTION OF WATER RESOURCES – IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INVESTIGATE AND COMPLY WITH ALL APPLICABLE FEDERAL, STATE, REGIONAL COUNTY AND MUNICIPAL LAWS CONCERNING POLLUTION OF WATER RESOURCES. ALL WORK MUST BE PERFORMED IN SUCH A MANNER THAT OBJECTIONABLE CONDITIONS WILL NOT BE CREATED IN PUBLIC WATERS RUNNING THROUGH OR ADJACENT TO THE PROJECT AREA.

1. EROSION AND SEDIMENT CONTROL – ALL PRACTICAL AND NECESSARY EFFORT SHOULD BE TAKEN DURING CONSTRUCTION TO CONTROL AND PREVENT EROSION AND THE TRANSPORT OF SEDIMENT TO SURFACE DRAINS, SURFACE WATER, OR ONTO OTHER PROPERTY BY ANY OR ALL OF THE FOLLOWING METHODS:
   A. STORMWATER FACILITIES ARE TO BE BUILT AS EARLY IN THE CONSTRUCTION PHASE AS POSSIBLE TO ENSURE THE TREATMENT OF STORMWATER RUNOFF. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES, HOWEVER, SUCH AS BERMS, SEDIMENT BASINS, GRASSING, SODDING, SAND BAGGING, BALED HAY OR STRAW, FLOATING SILT BARRIERS, STACKED SILT BARRIERS, ETC. MUST BE PROVIDED AND MAINTAINED UNTIL THE PERMANENT FACILITIES ARE COMPLETED AND OPERATIONAL.
   B. REVEGETATION AND STABILIZATION OF DISTURBED GROUND SURFACES SHOULD BE ACCOMPLISHED AS SOON AS POSSIBLE.
   C. FULL COMPACTION OF ANY FILL MATERIAL PLACED AROUND NEWLY INSTALLED STRUCTURES.
   D. PROHIBIT THE USE OF ANY CONSTRUCTION EQUIPMENT THAT LEAKS EXCESSIVE AMOUNTS OF FUEL OIL, OR HYDRAULIC FLUID.
2. ALL DISTURBED AREAS SHALL BE GRADED FOR POSITIVE DRAINAGE, EXCEPT RETENTION AREAS, AND SHALL BE STABILIZED BY SODDING, EXCEPT WHERE SEEDING AND MULCHING ARE CALLED FOR ON THE PLANS. THE LATEST VERSION OF THE F.D.O.T. ROAD AND BRIDGE SPECIFICATIONS SHALL BE USED UNLESS MORE RESTRICTIVE LOCAL SPECIFICATIONS EXIST.

   CONTRACTOR RESPONSIBLE FOR STABILIZING AND MAINTAINING SLOPES AND SOD THROUGHOUT CONSTRUCTION UNTIL SUCH TIME AS APPROVED BY THE ENGINEER.

PROTECTION OF FISH AND WILDLIFE:

THE CONTRACTOR MUST AT ALL TIMES PERFORM ALL WORK IN A WAY AND TAKE SUCH STEPS AS REQUIRED TO PREVENT ANY INTERFERENCE WITH OR DISTURBANCE TO FISH AND WILDLIFE. THE CONTRACTOR SHALL NOT ALTER WATER FLOWS OR OTHERWISE DISTURB NATIVE HABITATS AND JURISDICTIONAL WETLANDS LOCATED WITHIN AND / OR ADJACENT TO THE PROJECT AREA.

RECORDING AND PRESERVING HISTORICAL AND ARCHEOLOGICAL FINDS:

ALL ITEMS HAVING ANY APPARENT HISTORICAL OR ARCHEOLOGICAL INTEREST THAT ARE DISCOVERED IN THE COURSE OF ANY CONSTRUCTION ACTIVITIES MUST BE CAREFULLY PRESERVED. THE CONTRACTOR MUST LEAVE THE ARCHEOLOGICAL FIND UNDISTURBED AND MUST IMMEDIATELY REPORT THE FIND TO THE OWNER SO THAT THE PROPER AUTHORITY MAY BE NOTIFIED.

EARTHWORK:

1. GENERAL

1.01 SUBMITTALS

A. EROSION AND CONTROL MEASURES
B. COMPACTION TESTS
C. SOIL CLASSIFICATION TESTS
D. PRESERVATION PLANS

1.02 SITE EXAMINATION

A. CONTRACTORS, BEFORE SUBMITTING BIDS, SHALL INFORM THEMSELVES AS TO LOCATION AND NATURE OF THE WORK, CHARACTER OF EQUIPMENT AND FACILITIES NEEDED FOR PERFORMANCE OF THE WORK, GENERAL AND LOCAL CONDITIONS PREVAILING AT THE SITE, AND OTHER MATTERS WHICH MAY IN ANY WAY, AFFECT THE WORK UNDER CONTRACT.
B. EXAMINE SOURCES OF INFORMATION CONCERNING GROUND WATER LEVEL WHETHER SURFACE OR SUBSURFACE. EACH BIDDER TO DRAW HIS OWN CONCLUSION CONCERNING GROUND WATER LEVELS AND HOW WATER AFFECTS HIS WORK.

1.03 SUBSURFACE INVESTIGATIONS

A. SUBSURFACE DATA, INCLUDING GROUND WATER ELEVATIONS OR CONDITIONS, IF SHOWN ON THE DRAWINGS OR ATTACHED TO THESE SPECIFICATIONS, ARE PRESENTED ONLY AS INFORMATION THAT IS AVAILABLE WHICH INDICATED CERTAIN CONDITIONS FOUND AND LIMITED TO THE EXACT LOCATIONS. SHALL NOT BE INTERPRETED AS AN INDICATION OF CONDITIONS THAT MAY ACTUALLY BE DEVELOPED THROUGH THE PERIOD OF CONSTRUCTION. BIDDERS SHALL EXAMINE THE SITE OF THE WORK AND MAKE THEIR OWN DETERMINATION OF THE CHARACTER OF MATERIALS AND THE CONDITIONS TO BE ENCOUNTERED ON THE WORK, AND THEIR PROPOSAL SHALL BE BASED UPON THEIR OWN INVESTIGATIONS. THE OWNER AND ENGINEER SHALL NOT BE HELD RESPONSIBLE FOR VARIATIONS FOUND TO EXIST BETWEEN THE ATTACHED DATA ABOVE REFERRED TO AND ACTUAL FIELD CONDITIONS THAT DEVELOP THROUGH THE PERIOD OF CONSTRUCTION.
B. WHERE EXISTING GRADES, UTILITY LINES AND SUBSTRUCTURES ARE SHOWN ON THE DRAWINGS, THE OWNER AND ENGINEER ASSUME NO RESPONSIBILITY FOR CORRECTNESS OF EXISTING CONDITIONS INDICATED. THE CONTRACTOR SHALL ASCERTAIN EXACT LOCATIONS OF UTILITIES AND SUBSTRUCTURES THAT MAY BE AFFECTED BY THIS PROJECT, AND SHALL BE RESPONSIBLE FOR ANY DAMAGE OR INJURY THAT MAY RESULT FROM WORKING ON OR NEAR THOSE UTILITIES, SUBSTRUCTURES WHICH ARE NOT TO BE REMOVED OR DEMOLISHED.
C. THE CONTRACTOR SHALL MAKE HIS OWN DEDUCTIONS OF THE SUBSURFACE CONDITIONS WHICH MAY AFFECT METHODS OR COST OF CONSTRUCTION AND HE AGREES THAT THE CONTRACTOR WILL MAKE NO CLAIM FOR DAMAGES OR OTHER COMPENSATION EXCEPT SUCH AS ARE PROVIDED FOR IN THE AGREEMENT, SHOULD THE CONTRACTOR FIND CONDITIONS DURING THE PROGRESS OF THE WORK DIFFERENT FROM THOSE AS CALCULATED OR ANTICIPATED BY THE CONTRACTOR.

1.04 BENCHMARKS AND MONUMENTS

A. MAINTAIN CAREFULLY EXISTING BENCH MARKS, MONUMENTS, AND OTHER REFERENCE POINTS IF DISTURBED OR DESTROYED, REPLACE AS DIRECTED.

1.05 JOB CONDITIONS

A. CONDITION OF PREMISES: ACCEPT SITE AS FOUND AND EXCAVATE, FILL, COMPACT, AND BACKFILL SITE AS HEREINAFTER SPECIFIED.
B. PROTECTION
   a. EXISTING STRUCTURES AND PROPERTY: TAKE PRECAUTIONS TO GUARD AGAINST MOVEMENT OR SETTLEMENT OF ADJACENT STRUCTURES AND FACILITIES; PROVIDE AND PLACE BRACING OR SHORING AS NECESSARY OR PROPER IN CONNECTION THEREWITH; BE RESPONSIBLE FOR SAFETY AND SUPPORT OF SUCH STRUCTURES; BE LIABLE FOR ANY MOVEMENT OR SETTLEMENT, ANY DAMAGE OR INJURY CAUSED THEREBY OR RESULTING THEREFROM. IF AT ANY SAFETY OR ANY ADJACENT STRUCTURES APPEARS TO BE ENDANGERED, CEASE OPERATIONS, TAKE PRECAUTIONS TO SUPPORT SUCH STRUCTURES AND NOTIFY THE OWNER. RESUME OPERATIONS ONLY AFTER PERMISSION HAS BEEN CHANGED BY THE OWNER.
   b. SIDEWALKS AND STREETS: TAKE PRECAUTIONS TO GUARD AGAINST MOVEMENT, SETTLEMENT OR COLLAPSE OF ANY SIDEWALKS, CURBS OR STREET PAVEMENTS ON ADJOINING SITE; BE LIABLE FOR ANY SUCH MOVEMENT, SETTLEMENT OR COLLAPSE; REPAIR PROMPTLY SUCH DAMAGE WHEN SO ORDERED; INSTALL SUCH SHORING, INCLUDING SHEET PILING, AS MAY BE REQUIRED DURING EXCAVATION, TO PROTECT BANKS, ADJACENT PAVING, STRUCTURES AND UTILITIES.
   c. RESPONSIBILITY: BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING STRUCTURES OR TO EQUIPMENT AND FURNISHINGS HOUSED THEREIN WHICH ARE DUE DIRECTLY OR INDIRECTLY TO CONSTRUCTION OPERATIONS, TAKE SUCH PRECAUTIONS AS ARE NECESSITATED BY SITE GRADING OR LOCATION OF NEW BUILDING. USE EVERY POSSIBLE PRECAUTION TO PREVENT INJURIES TO LANDSCAPING, DRIVES, CURBS AND WALKS ON OR ADJACENT TO SITE OF THE WORK AND REPLACE, AT NO EXPENSE TO OWNER, ANY OF SUCH DESTROYED.

2. EXECUTION

2.01 GENERAL

A. ACCOMPLISH IN A MANNER THAT PROVIDES FOR THE SAFETY OF THE PUBLIC AND WORKMEN AND PROVIDE FOR THE PROTECTION OF ALL PROPERTY.
B. CONSTRUCTION: DO NOT CLOSE, OBSTRUCT OR STORE MATERIAL OR EQUIPMENT IN STREETS, SIDEWALKS, ALLEYS OR PASSAGEWAYS WITHOUT A PERMIT IN ACCORDANCE WITH LOCAL ORDINANCES, REGULATIONS AND CODES.
C. INTERFERENCE: CONDUCT OPERATIONS WITH MINIMUM INTERFERENCE WITH ROADS, STREETS, DRIVEWAYS, ALLEYS, SIDEWALKS AND OTHER FACILITIES.
D. PNEUMATIC TOOLS: WORK WITH PNEUMATIC OR VIBRATORY TOOLS WILL BE PERMITTED ONLY IN A MANNER WHICH CAUSES NO RELATED DAMAGES.
E. REMOVAL: UNLESS OTHERWISE NOTED OR SPECIFIED TO BE RELOCATED OR STORED, ALL MATERIALS REMOVED BECOME THE PROPERTY OF THE CONTRACTOR AND ARE TO BE REMOVED COMPLETELY AWAY FROM THE SITE BY THE CONTRACTOR. DO NOT STORE OR PERMIT DEBRIS TO ACCUMULATE ON THE SITE.
F. TEMPORARY STRUCTURES: REMOVE ALL TEMPORARY STRUCTURES WHEN THEY ARE NO LONGER REQUIRED.
G. REPAIR: CLEAN UP, REPAIR OR REPLACE AT NO COST TO OWNER ALL PROPERTY DAMAGED BY REASON OF REQUIRED WORK. ALL PATCHWORK SHALL MATCH EXISTING AND BE PERFORMED IN A NEAT AND WORKMANLIKE MANNER BY CRAFTSMEN SKILLED IN THE TRADE INVOLVED. IN NEWLY GRADED AREAS TAKE EVERY PRECAUTION AND TEMPORARY MEASURE NECESSARY, TO PREVENT DAMAGE FROM EROSION OF FRESHLY GRADED AREA, WHERE ANY SETTLEMENT MAY OCCUR PRIOR TO ACCEPTANCE OF THE WORK, REPAIR AND RE-ESTABLISH GRADES TO THE REQUIRED ELEVATIONS AND SLOPES AT NO ADDITIONAL COST TO THE OWNER. THIS APPLIES TO DAMAGE TO THE NEWLY GRADED AREAS WITHIN THE CONSTRUCTION LIMITS AND DAMAGE TO ADJACENT PROPERTIES BY ERODED MATERIAL.

2.02 LOCATIONS AND ELEVATIONS

A. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SURVEYS, MEASUREMENTS AND LAYOUTS REQUIRED FOR PROPER EXECUTION OF THE WORK. LAY OUT LINES AND GRADES FROM EXISTING SURVEY CONTROL SYSTEM AND AS SHOWN ON DRAWINGS.

2.03 CLEARING AND GRUBBING

A. WITHIN LIMITS OF AREA DESIGNATED FOR GRADING AND SITE CONSTRUCTION WORK, REMOVE TREES, BRUSH, STUMPS, WOOD, DEBRIS AND OTHER DELETERIOUS MATERIALS NOT REQUIRED TO REMAIN AS PART OF FINISHED WORK.
B. REMOVE ALL GRASS, PLANTS, VEGETATION AND ORGANIC MATERIAL FROM SAME AREA.

2.04 STRIPPING

A. STRIP ALL TOPSOIL ORGANIC MATERIAL SURFACE LITTER, RUBBLE AND OVERBURDEN FOR ENTIRE DEPTH OF ROOT SYSTEM OF GRASS OR OTHER VEGETATION OVER THE LIMITS OF CONSTRUCTION.
B. STOCKPILE TOPSOIL ON SITE WHERE DIRECTED.

2.05 EXCAVATION

A. BEGIN EXCAVATION AFTER STRIPPING, CLEARING AND GRUBBING WHERE APPLICABLE, HAS BEEN COMPLETED.
B. EXCAVATE TO GRADES REQUIRED TO ACCOMMODATE THE PROPOSED CONSTRUCTION. DEWATER AS NEEDED.
C. REMOVE 'UNSATISFACTORY MATERIALS' ENCOUNTERED FROM THE BUILDING AREAS, AND OTHER NON-LANDSCAPED AREAS.
D. EXCAVATE IN SUCH A MANNER THAT QUICK AND EFFICIENT DRAINAGE OF STORMWATER WILL BE AFFECTED.
E. CLASSIFY EXCAVATED MATERIALS AND STOCKPILE SEPARATELY SUITABLE SOILS FOR USE AS BACKFILL MATERIALS. IF SUFFICIENT QUANTITIES OF EXCAVATED MATERIALS MEETING REQUIREMENTS FOR BACKFILL ARE NOT AVAILABLE ON SITE, PROVIDE MATERIALS MEETING THESE REQUIREMENTS.
F. STOCKPILE EXCAVATED MATERIAL SUITABLE FOR USE AS FILL AND BACKFILL.

2.06 FILLING, BACKFILLING AND COMPACTING

A. THE WORK CONSISTS OF COMPACTION OF EXISTING EARTH (EXCLUDE ROCK), SURFACES AFTER EXCAVATION, FILLING AND COMPACTION OF SAID AREA TO LEVELS REQUIRED WITH SUITABLE BACKFILL MATERIAL.
B. MATERIALS: 'SATISFACTORY FILL MATERIALS' AASHTO CLASSIFICATION A-3 OR BETTER SHALL BE USED IN FILLS AND BACKFILLS.
C. FILLING AND BACKFILLING: PLACE 'SATISFACTORY FILL MATERIAL' IN HORIZONTAL LAYERS NOT EXCEEDING 6 INCHES IN LOOSE DEPTH. COMPACT AS SPECIFIED HEREIN NO MATERIAL SHALL BE PLACED ON SURFACES THAT ARE MUDDY.

EARTHWORK (CON'T):

D. COMPACTION: COMPACTION SHALL BE WITH EQUIPMENT SUITED TO SOIL BEING COMPACTED. MOISTEN OR AERATE MATERIAL AS NECESSARY TO PROVIDE MOISTURE CONTENT THAT WILL READILY FACILITATE OBTAINING SPECIFIED COMPACTION WITH EQUIPMENT USED. COMPACT EACH LAYER TO NOT LESS THAN PERCENTAGE OF MAXIMUM DENSITY SPECIFIED BELOW DETERMINED IN ACCORDANCE WITH AASHTO T-180. INSURE THAT THE COMPACTION OF PREVIOUSLY PREPARED FILL AREAS HAS BEEN MAINTAINED PRIOR TO PLACING NEW LAYERS.
E. RECONDITIONING OF SUBGRADE: WHERE APPROVED COMPACTED SUBGRADES ARE DISTURBED BY THE CONTRACTOR'S SUBSEQUENT OPERATIONS OF ADVERSE WEATHER SUBGRADE SHALL BE SCARIFIED AND COMPACTED AS SPECIFIED HEREIN BEFORE TO REQUIRED DENSITY PRIOR TO FURTHER CONSTRUCTION THEREON. RE-COMPACTION OVER UNDERGROUND UTILITIES SHALL BE BY POWER-DRIVEN HAND TAMPERS.
F. COMPACTION REQUIREMENTS
   a. FILL UNDER LAWNS AND PLANTED: 95%
   b. BELOW SLABS ON GRADE AND CONCRETE WALKS: 98%
   c. UNDER PAVING PARKING AREAS: 98%

2.07 TESTING

A. THE CONTRACTOR WILL PROVIDE THE SERVICES OF A TESTING LABORATORY TO PERFORM SPECIFIED TESTS, INSPECTIONS, INSTRUMENTATION AND INSPECTION OF WORK.
B. TESTS OF MATERIALS SHALL BE AS FOLLOWS:
   a. SOIL CLASSIFICATION: ONE TEST FROM EACH TYPE OF MATERIAL ENCOUNTERED AND / OR PROPOSED TO BE USED.
   b. LABORATORY TESTS FOR MOISTURE-CONTEST AND DENSITY ACCORDING TO AASHTO T-180: ONE TEST FOR EACH MATERIAL ENCOUNTERED AND / OR PROPOSED TO BE USED.
   c. FIELD TESTS FOR MOISTURE CONTEST AND DENSITY: ONE TEST PER LAYER OF FILL PER 5,000 SQUARE FEET OF AREA.

SUPPLEMENTAL SPECIFICATIONS:

1. GENERAL

THE CONTRACTOR SHALL BECOME FAMILIAR WITH AND ADHERE TO THE SPECIFICATIONS AND STANDARDS OF THE UTILITY COMPANIES WHICH ARE SERVING THE PROJECT SITE. THE CONTRACTOR SHALL BECOME FAMILIAR WITH AND COMPLY WITH ALL SITE DEVELOPMENT STANDARDS AND CODES OF THE REGULATORY AGENCIES ASSOCIATED WITH THIS PROJECT. THE LATEST VERSION OF THE FLORIDA DEPARTMENT OF TRANSPORTATION ROAD AND BRIDGE CONSTRUCTION SPECIFICATIONS AND THE LATEST FLORIDA DEPARTMENT OF TRANSPORTATION ROADWAY AND TRAFFIC DESIGN STANDARDS SHALL BE INCLUDED WITHIN THE PROJECT SPECIFICATIONS. UNLESS OTHERWISE NOTED, EITHER ON THE PLANS OR WITHIN THE SPECIFICATIONS, THE APPLICABLE SECTIONS OF THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS AND THE LATEST FLORIDA DEPARTMENT OF TRANSPORTATION ROADWAY AND TRAFFIC DESIGN STANDARDS SHALL APPLY INCLUDING REFERENCES THEREIN. THE GENERAL DESCRIPTION OF THE NATURE OF THE WORK SHALL BE SUFFICIENT CORRELATION TO THE FLORIDA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS. EACH ITEM DESCRIBED IN A CONTRACTOR'S EXPENSE.

2. POTABLE WATER DISTRIBUTION/ WASTEWATER COLLECTION INSTALLATION

UNLESS OTHERWISE NOTED ON THE PLANS, THE STANDARDS AND SPECIFICATIONS OF THE ASSOCIATED UTILITY COMPANY SERVING THE PROJECT SITE SHALL BE ADHERED TO FOR ALL MATERIALS, INSTALLATION, TESTING, AND CERTIFICATION ACTIVITIES FOR ALL PRIME STATIONS, MAIN LINES, SERVICES, AND APPURTENANCES. IF STANDARDS AND SPECIFICATIONS ARE NOT AVAILABLE, THE CONTRACTOR SHALL CONFORM WITH THE LATEST STANDARDS AND SPECIFICATIONS ADOPTED BY THE UTILITIES, LOCAL GOVERNMENTAL REGULATIONS, OR THE MANUFACTURERS RECOMMENDED INSTALLATION PROCEDURES, WHICHEVER IS SPECIFICALLY THE MOST RESTRICTIVE. A COPY OF THE UTILITIES SPECIFICATIONS CAN BE REVIEWED AT THE OFFICE OF ATWELL, L.L.C.

3. STORMWATER PIPE INSTALLATION AND MISCELLANEOUS EXCAVATIONS

UNLESS OTHERWISE NOTED ON THE PLANS OR SPECIFICATIONS, THE CONTRACTOR SHALL PERFORM THE EXCAVATION, BEDDING, JOINTS, AND BACKFILLING OPERATIONS IN ACCORDANCE WITH THE APPLICABLE WATER/ WASTEWATER INSTALLATION SPECIFICATIONS, LOCAL GOVERNMENTAL REGULATIONS OR STANDARDS, F.D.O.T. STANDARDS AND SPECIFICATIONS OR MANUFACTURER'S RECOMMENDED INSTALLATION PROCEDURES, WHICHEVER IS SPECIFICALLY THE MOST RESTRICTIVE.

4. UNSUITABLE MATERIALS

IF UNSUITABLE MATERIAL IS ENCOUNTERED WITHIN THE ROADWAY AREA AND / OR UTILITY AREAS IT SHALL BE REMOVED TO A DEPTH OF THREE (3) FEET BELOW THE SUB-BASE OR TRENCH BOTTOM AND SHALL BE BACKFILLED WITH THE AASHTO A-3 MATERIAL OR BETTER WITH PLACEMENT AND COMPACTION METHODS IN ACCORDANCE WITH THE LATEST EDITION OF THE FLORIDA DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS OR AS OTHERWISE NOTED ON THE PLANS. UNSUITABLE MATERIALS SHALL BE REMOVED FROM SITE, UNLESS THE ENGINEER APPROVES USE WITHIN LANDSCAPED AREAS.

DEWATERING:

1.01 GENERAL

A. DEWATERING CONSISTS OF PERFORMING ALL WORK NECESSARY TO REMOVE SURFACE WATER AND / OR CONTROL THE GROUND WATER LEVELS AND HYDROSTATIC PRESSURES IN ORDER TO PERMIT ALL EXCAVATION AND CONSTRUCTION UNDER THIS CONTRACT TO BE PERFORMED IN THE DRY.
B. WORK OF THIS SECTION INCLUDES INSTALLATION, OPERATIONS, MAINTENANCE, SUPERVISION, SUPPLY, DISMANTLING, AND REMOVAL FROM THE SITE OF THE DEWATERING EQUIPMENT.
C. THE CONTRACTOR MUST FAMILIARIZE HIMSELF WITH THE POTENTIAL FOR EXCESSIVE RAINFALL, THE GROUND CONDITIONS, AND THE GROUND WATER CONDITIONS, GROUND WATER ELEVATION CAN FLUCTUATE. IT IS ANTICIPATED THAT ANY EXCAVATIONS MAY ENCOUNTER THE GROUND WATER TABLE.
D. DRAINAGE OF THE SITE: AT ALL TIMES THE CONTRACTOR SHALL MAINTAIN AND OPERATE ADEQUATE SURFACE AND SUBSURFACE DRAINAGE METHODS IN ORDER TO KEEP THE CONSTRUCTION SITE DRY AND IN SUCH CONDITION THAT PLACEMENT AND COMPACTION OF FILL MAY PROCEED UNHINDERED BY SATURATION OF THE AREA DURING CONSTRUCTION, THE SURFACE OF THE BACKFILL AREA SHALL BE LEFT IN SUCH CONDITION THAT PRECIPITATION AND / OR SURFACE WATER WILL RUN OFF WITHOUT PONDING.

1.02 METHOD

A. THE CONTROL OF ALL SURFACE AND SUBSURFACE WATER IS PART OF THE DEWATERING REQUIREMENTS, MAINTAIN ADEQUATE CONTROL SO THAT THE STABILITY OF EXCAVATED AND CONSTRUCTION SLOPES IS NOT ADVERSELY AFFECTED BY WATER, THAT EROSION IS CONTROLLED AND THAT THE FLOODING OR DAMAGE TO STRUCTURES OR DAMAGE TO STRUCTURES DOES NOT OCCUR, DRAIN SURFACE WATER AWAY FROM THE EXCAVATION.
B. DISPOSE OF ALL WATER REMOVED FROM THE EXCAVATION IN A MANNER THAT WILL NOT ENDANGER PUBLIC HEALTH, PROPERTY, OR PORTIONS OF THE WORK UNDER CONSTRUCTION OR COMPLETED. DISPOSE OF WATER IN A MANNER THAT WILL CAUSE NO INCONVENIENCE WHATSOEVER TO THE OWNER OR TO OTHERS ENGAGED IN WORK AT THE SITE.
C. DISPOSE OF WATER RESULTING FROM DEWATERING OPERATIONS IN ACCORDANCE WITH CITY, COUNTY, STATE AND FEDERAL REGULATIONS.
D. CONDUCT OPERATIONS SO THAT STORMWATER RUNOFF, SEDIMENT IS NOT DISCHARGED TO THE ADJACENT WATER BODIES, SEWERS, STREETS AND ADJACENT PROPERTIES.
E. DEWATERING SYSTEM SHALL BE SO DESIGNED AS TO PREVENT REMOVAL OF SOIL FINES FROM THE SITE DURING THE DEWATERING OPERATION.

PORTLAND CEMENT CONCRETE PAVING:

1.01 QUALITY ASSURANCE

A. COMPLY WITH ACI STANDARDS RECOMMENDED PRACTICES FOR CONSTRUCTION OF CONCRETE PAVEMENTS AND CONCRETE BASES (ACI 325.9R, LATEST EDITION)

1.02 REFERENCE STANDARDS

A. THE FOLLOWING REFERENCE STANDARDS OF THE ISSUES LISTED BELOW BUT REFERRED TO THEREAFTER BY BASIC DESIGNATION ONLY, FORM A PART OF THIS SPECIFICATION TO THE EXTENT INDICATED BY THE REFERENCES THERETO. TESTS SHALL BE PERFORMED IN ACCORDANCE WITH HEREINAFTER SPECIFIED STANDARDS.
   a. AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)
   b. AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO) STANDARD.
   c. FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARDS AND SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION--SECTION

LAND USE (ON-SITE):

USE:		
PAVEMENT/ SIDEWALK/ CONCRETE	5.15 AC	8.3%
WETLAND PRESERVE	2.23 AC	3.6%
UPLAND	1.37 AC	2.2%
DRY RETENTION (AT BOTTOM)	1.68 AC	2.7%
LAKES (AT CONTROL)	8.91 AC	14.4%
PERVIOUS	42.44 AC	68.8%
TOTAL	61.78 AC	100.0%

NOTES:
1. PARCEL 1 MAXIMUM 90% IMPERVIOUS.
2. PARCELS 2 THROUGH 17 MAXIMUM 80% IMPERVIOUS.
3. OFF-SITE PRESERVE 5.83 AC.

PROPERTY DATA:

EXISTING ZONING DESIGNATION:	Z-23-040, BLACKSTONE CORPORATE PARK MPD, COMPANION ADD2024-00219
EXISTING LAND USE:	VACANT
PROPOSED USE:	COMMERCIAL
FLUM DESIGNATION:	URBAN COMMUNITY, INDUSTRIAL DEVELOPMENT, AND WETLANDS
PLANNING COMMUNITY:	LEHIGH ACRES, 17
LEE PLAN CONSISTENCY:	THE PROPOSED IMPROVEMENTS AND USES ARE CONSISTENT WITH THE LEE PLAN, Z-23-040, ADD2024-00219, ADD2025-00199 AND THE LDC.
DEVELOPMENT SCHEDULE: (PER Z-23-040 AND ADD2024-00219)	MAXIMUM 500,000 SF COMMERCIAL RETAIL USE

SITE DEVELOPMENT REGULATIONS: (LEE COUNTY RESOLUTION Z-23-040)

MINIMUM LOT SIZE:	10,000 SQUARE FEET
MINIMUM LOT WIDTH:	100 FEET
MINIMUM LOT DEPTH:	100 FEET
DEVELOPMENT SETBACKS:	
STREET:	20 FEET
SIDE:	10 FEET
REAR:	10 FEET
WATERBODY:	25 FEET
PRESERVE:	20 FEET (30 FEET FOR FIRE DEPENDENT INDIGENOUS PLANT COMMUNITIES)
BUILDING SEPARATION:	ONE HALF THE SUM OF THE HEIGHTS OF BOTH BUILDINGS, OR 20 FEET WHICHEVER IS GREATER.
MINIMUM DEVELOPMENT PERIMETER:	25 FEET (INDUSTRIAL AREAS) 15 FEET (COMMERCIAL AREAS)
MAXIMUM BUILDING HEIGHT:	65 FEET
MINIMUM OPEN SPACE:	30%

LANDSCAPE BUFFERS: (LEE COUNTY ZONING ORD. Z-23-030, MCP)

DIRECTION	BUFFER REQUIRED	BUFFER PROVIDED
NORTHEAST (ABUTTING SR82)	15' TYPE D	15' TYPE D
NORTHWEST (BLACKSTONE DRIVE)	15' TYPE D	15' TYPE D
SOUTHWEST/ WEST (ABUTTING PARCELS 20-45-27-63-00239.0010, 20-45-27-63-00239.0020, AND PORTION OF 20-45-27-63-00239.0030)	5' TYPE A	5' TYPE A
WEST (ABUTTING PRESERVE)	NO BUFFER REQUIRED	NO BUFFER REQUIRED
EAST (ABUTTING LAMSID CANAL)	NO BUFFER REQUIRED	NO BUFFER REQUIRED
SOUTH	NO BUFFER REQUIRED	NO BUFFER REQUIRED
INTERNAL BUFFERS	NO BUFFER REQUIRED PER LDC SECTION 33-1405 FOR COMMERCIAL PROJECTS PART OF MIXED USE DEVELOPMENT BETWEEN INTERNAL USES	NO BUFFER REQUIRED

SFWMD RAINFALL:

STORM	INCHES
5 YEAR, 1 DAY RAINFALL	5.83
10 YEAR, 1 DAY RAINFALL	6.96
25 YEAR, 3 DAY RAINFALL	10.80
100 YEAR, 3 DAY RAINFALL	14.30

DISCHARGE:

ALLOWABLE DISCHARGE	2.73 CFS
PROPOSED DISCHARGE	2.72 CFS

SURFACE WATER MANAGEMENT SUMMARY:

		SITE BASIN WEST (FT-NAVD)	SITE BASIN EAST (FT-NAVD)	LAKE BASIN WEST (FT-NAVD)	LAKE BASIN EAST (FT-NAVD)
PEAK STAGES	SFWMD 5 YEAR, 1 DAY PEAK STAGE	30.36	30.27	30.27	30.27
	SFWMD 10 YEAR, 1 DAY PEAK STAGE (PARKING LOT)	30.70	30.69	30.69	30.69
	SFWMD 25 YEAR, 3 DAY PEAK STAGE	31.63	31.62	31.62	31.62
	SFWMD 25 YEAR, 3 DAY BACK TO BACK PEAK STAGE (PERIMETER BERM)	31.67	31.66	31.66	31.66
	SFWMD 100 YEAR, ZERO DISCHARGE PEAK STAGE (FINISHED FLOOR)	32.32	32.32	32.32	32.32
	FDOT 100 YEAR CRITICAL PEAK STAGES	31.97	31.97	31.97	31.97
DESIGN ELEVATIONS	MINIMUM ROAD (BASED ON 10 YEAR, 1 DAY)	30.70	30.70	30.70	30.70
	SFWMD MINIMUM PERIMETER BERM (BASED ON 25 YEAR, 3 DAY BACK TO BACK)	31.7	31.7	31.7	31.7
	FDOT MINIMUM PERIMETER BERM - GREEN SPACE BERM (BASED ON 1 FT ABOVE FDOT 100 YEAR CRITICAL)	33.0	33.0	33.0	33.0
	FDOT MINIMUM PERIMITER BERM - HARDENED STRUCTURE (BASED ON 6" ABOVE 100 YEAR FDOT 100 YEAR CRITICAL)	32.47	32.47	32.47	32.47
	MINIMUM FINISHED FLOOR ELEVATION (BASED ON 100 YEAR, 3 DAY ZERO DISCHARGE)	32.32	32.32	32.32	32.32

FEMA: ZONE X PER PANEL 12071C0475F

OPEN SPACE AND INDIGENOUS PRESERVE CALCULATIONS (PER ADD2024-00219):

REQUIRED OPEN SPACE:
COMMERCIAL USE AREA A: 61.78 AC x 30% = 18.53 AC
REQUIRED INDIGENOUS (50% OF REQUIRED OPEN SPACE):
COMMERCIAL USE AREA A: 18.53 AC x 50% = 9.27 AC

PROVIDED INDIGENOUS PRESERVE AREAS:
9.27 AC (3.44 AC ON SITE AND 5.83 AC OFF SITE, SEE PRESERVE PLAN)

ON SITE:		OFFSITE:	
AREA 1: 0.36 AC		AREA 6:	0.51 AC
AREA 2: 1.24 AC		AREA 7:	3.96 AC
AREA 3: 0.53 AC		AREA 8:	1.08 AC
AREA 4: 0.91 AC		PORTION OF AREA 9:	0.17 AC
AREA 5: 0.40 AC		AREA 10:	0.03 AC
TOTAL: 3.44 AC		AREA 11:	0.08 AC
		TOTAL:	5.83 AC

PROVIDED OPEN SPACE:

LAKE (AT CONTROL ELEVATION):	8.91 AC
DRY RETENTION (AT RETENTION BOTTOM):	1.68 AC
COMMERCIAL PARCELS 1-17 @ 10% EA:	3.59 AC
INDIGENOUS PRESERVE AREAS:	9.27 AC
TOTAL:	23.45 AC

PLANNING DISTRICT 17 COMMERCIAL ALLOCATION:

ALLOCATION	EXISTING DEVELOPMENT	REMAINING ACRES
900	393	507

BLACKSTONE CORPORATE PARK MPD DEVELOPMENT SUMMARY:

PARCEL IDENTIFIER	PROJECT NAME	DO NUMBER	DO STATUS	COMMERCIAL DEVELOPMENT AREA
LOT 1	BIG BOX RETAIL	DOS2025-00077	IN REVIEW	189,434 SF
LOT 12	FL FUEL STATION #3915	DOS2025-00100	IN REVIEW	1,618 SF
TOTAL TO DATE				191,052 SF

UTILITY NOTES:

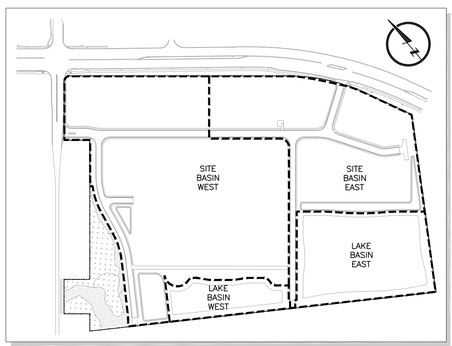
1. WATER - 6-INCH WATER LINE EXTENDED TO 5 FEET WITHIN THE PROPERTY AND CAPPED. BUYER TO UTILIZE STUBOUT FOR POTABLE AND FIRE NEEDS. BUYER RESPONSIBLE FOR THE INSTALLATION OF WATER METER AND BACKFLOW PREVENTORS.
2. SANITARY SEWER - 6-INCH SANITARY SEWER LINE EXTEND TO 5 FEET WITHIN THE PROPERTY AND CAPPED.

IRRIGATION NOTE:

IRRIGATION WILL BE PROVIDED BY WELL.

NRCS SOIL DATA:

MAP UNIT SYMBOL	SOIL TYPE	HYDRAULIC RATING	AREA	PERCENT
14	VALKARIA FINE SAND	A/D	8.00	13.0%
27 & 132	POMPANO FINE SAND	A/D	6.51	10.5%
28	IMMOKALEE SAND	B/D	47.17	76.3%
129	PINEDA FINE SAND	A/D	0.10	0.2%



BASIN MAP
N.T.S.

GENERAL NOTES:

1. IRRIGATION TO BE PROVIDED BY WELL.
2. BLACKSTONE CORPORATE PARK PROPERTY OWNERS ASSOCIATION SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF THE WATER MANAGEMENT SYSTEM, OPEN SPACE, COMMON AREAS, AND PRIVATE STREETS.
3. REFERENCE FDOT ACCESS AND DRAINAGE EXCEPTION PERMIT AND ASSOCIATED PLANS FOR WORK IN THE FDOT RIGHT OF WAY.
4. FOR SIDEWALK IN LEE COUNTY ROW (LEEDOT), SECTION 10-296 TABLE 3 GOVERNS FOR SIDEWALK CONSTRUCTION. SEE DETAIL SHEET FOR FURTHER INFORMATION.
5. SIDEWALK AND CURB REPLACEMENT LIMITS MUST EXTEND TO THE NEAREST CONSTRUCTION JOINT TO PREVENT SMALL SECTIONS OF EXISTING PANELS/CURB FROM BEING LEFT IN PLACE.
6. FOR PAVEMENT WITHIN THE LEE COUNTY ROW (LEEDOT), SECTION 10-296 TABLE 3 GOVERNS.
7. AFTER THE LOTS ARE FILLED AND GRADED, THE SITE IS TO BE STABILIZED WITH SEED AND MULCH.
8. THROAT INLETS TO BE FDOT TYPE 9 CURB INLET TOPS WITH HEAVY DUTY GRATE PER FDOT INDEX NO.425-024. THROAT INLET STRUCTURES TO UTILIZE USF 5130 FRAME AND HOOD WITH 6168 GRATE.
9. ALL ACCESSIBLE PATHWAYS, ACCESS AISLES, ACCESSIBLE MANEUVERING SPACES AND PARKING SPACES TO CONFORM TO THE FLORIDA ACCESSIBILITY CODE. CONTRACTOR TO VERIFY ACCESSIBILITY AND COORDINATE WITH OWNER AND ENGINEER OF ANY DISCREPANCIES.
10. MINIMUM 3' LANDING REQUIRED AT TOP OF CURB RAMP WITH LESS THAN 2% SLOPE IN ALL DIRECTIONS PER FLORIDA ACCESSIBILITY CODE 406 (TYPICAL ALL CURB RAMPS).
11. RAMP SLOPE TO BE LESS THAN 5% RUNNING SLOPE AND LESS THAN 2% CROSS SLOPE PER FLORIDA ACCESSIBILITY CODE 406.

FGUA GENERAL NOTES:

1. ALL CONSTRUCTION SHALL MEET LEE COUNTY STANDARDS AND SPECIFICATIONS AS APPLICABLE.
2. AN FGUA REPRESENTATIVE IS TO BE PRESENT DURING CONNECTIONS TO EXISTING FACILITIES WITH 72-HOUR NOTIFICATION.
3. ALL UTILITIES WITHIN THE PROPERTY LINES WILL BE OWNED AND MAINTAINED BY THE PROPERTY OWNER.
4. ANY UTILITIES (PIPES, VALVES, AND ASSOCIATED HARDWARE) TO BE CONVEYED TO FGUA WILL BE LOCATED WITHIN AN EXISTING PUBLIC UTILITY EASEMENT, RIGHT-OF-WAY (ROW) AND/OR A DEDICATED FGUA UTILITY EASEMENT.
5. ANY REAL PROPERTY (LIFT STATIONS, PUMP HOUSES, WELLS, ETC.) WILL NOT BE LOCATED WITHIN THE ROW AND WILL BE CONVEYED TO FGUA VIA A SPECIFIC WARRANTY DEED.
6. LOW PRESSURE AIR TEST, AND VIDEO INSPECTION ARE REQUIRED FOR THE GRAVITY COLLECTION SYSTEM - WATER SYSTEMS ARE TESTED TO A MINIMUM OF 150PSI FOR TWO-HOUR DURATION AS PER AWWA C 600 STANDARDS. FIRE SYSTEMS ARE NOT THE FGUA RESPONSIBILITY.
7. INSTALL 10-GAUGE TRACER WIRE ON ALL MAIN PIPELINES. WIRE TO EXTEND INTO EACH VALVE BOX WITH SUFFICIENT EXCESS TO BRING WIRE THREE FEET ABOVE FINISH GRADE.
8. ALL WATER AND/OR WASTEWATER LINES PASSING UNDER PAVED AREAS WILL BE CONSTRUCTED WITH A CASING AND SHALL APPLY WITH LOCAL OR STATE DOT STANDARDS.
9. A REDUCED PRESSURE ZONE (RPZ), BACKFLOW PREVENTION ASSEMBLY (BFP) IS REQUIRED. ACCEPTABLE MODELS FEBCO 825Y, WATTS 909, WILKINS 975XL, OR CONBRACO 400.
10. FULL CIRCLE STAINLESS STEEL TAPPING SADDLE SLEEVE WITH RESILIENT SEATED TAPPING VALVE FOR PROPOSED WATER AND FORCE MAIN CONNECTIONS TO BE USED.
11. WATER TAPPING SADDLES TO BE DOUBLE STRAP BRASS OR DUCTILE IRON OR EPOXY COATED STEEL WITH STAINLESS STEEL HARDWARE. TIE STRAPS AND BOLTS SHALL BE CORROSION RESISTANT ALLOY STEEL.
12. ALL FIRE FLOW LINES WILL RUN SEPARATE FROM THE DOMESTIC WATER MAINS AND HAVE A FIRE DETECTION METER AND A FIRE LINE BACKFLOW PREVENTION ASSEMBLY (BFP) ASSEMBLY SHALL INCLUDE A LOW FLOW BY-PASS METER W/ RPZ.
13. MANHOLE FRAMES & COVERS, AND CO CAPS ARE TO BE WATER TIGHT, IF NEEDED EXISTING MANHOLE TOPS ARE TO BE ADJUSTED TO PROPOSED GRADE.
14. INFLOW PROTECTION DISHES ARE REQUIRED FOR ALL MANHOLES; STAINLESS STEEL IN PAVED AREAS, ABS IN UNPAVED AREAS.
15. A CLEANOUT SHALL BE PROVIDED AT THE ROW/PL FOR ALL SERVICE CONNECTIONS
16. THE FGUA SHALL OWN AND MAINTAIN ALL WATER SERVICE LINES UP TO THE POINT OF CONNECTION. All WATER MAINS SHALL BE A MINIMUM OF FOUR INCHES (4") IN DIAMETER AND ALL SUCH WATER MAINS SHALL BE CONSTRUCTED IN DEDICATED RIGHTS-OF-WAY OR APPROPRIATE UTILITY EASEMENTS DEDICATED TO THE FGUA.
17. ALL SEWER FORCE MAIN LINES AND GRAVITY SERVICE LINES ACCEPTED MUST BE AT LEAST FOUR INCHES (4") IN DIAMETER AND EIGHT INCHES (8"), RESPECTIVELY, EXCEPT LATERAL SEWER SERVICE LINES WHICH SHALL BE NO LESS THAN SIX INCHES (6") IN DIAMETER AND ACCEPTED BY THE FGUA TO A CLEANOUT LOCATED ON THE EDGE OF THE RIGHT-OF-WAY OR AN EASEMENT.
18. A BALL CHECK VALVE FOLLOWED BY A PLUG VALVE WILL BE INSTALLED ON FORCE MAINS LOCATED IN PUE OR R/W AT THE PROPERTY LINE DISCHARGING FROM PRIVATELY OWNED LIFT STATIONS CONNECTING INTO THE UTILITY MAINS
19. CONNECTION TO EXISTING MANHOLES AND/OR LIFT STATIONS SHALL BE BY CORE BORE WITH KOR-N-SEAL CONNECTORS.
20. ALL CONNECTIONS WILL BE MADE AS HOT TAPS. ANY EXCEPTIONS TO THIS WILL REQUIRE FGUA APPROVAL. ALL HOT TAP CONNECTIONS SHALL BE PERFORMED BY A LICENSED, UNDERGROUND CONTRACTOR, WITH ADVANCE NOTIFICATION (72 HOURS) TO THE FGUA INSPECTOR.
21. BACKFLOW PREVENTION DEVICES SHALL BE PRIVATELY OWNED AND MAINTAINED. BFPDS SHOULD BE LOCATED OUTSIDE OF ANY FGUA EASEMENT OR ROW/PUBLIC EASEMENT. IT IS THE SOLE RESPONSIBILITY OF THE PROPERTY OWNER TO MAINTAIN THE DEVICE AND PROVIDE ANNUAL TESTING CERTIFICATIONS TO THE FGUA.

Lehigh Acres Fire Control and Rescue District
Life Safety Division

Office Address:
636 Thomas Sherwin Ave S
Lehigh Acres, FL
Phone: 239-303-5335
Email: LifeSafety@Lehighfd.com

Mailing Address:
11 Homestead Rd S
Lehigh Acres, FL 33936
Phone: 239-303-5300
Fax: 239-369-2436
www.Lehighfd.com

Fire Flow Test Report

Fire Inspector: J.Nickell | Date: 10/25/2024 | Time: 14:16:00 PM

Requested by Firm: Respec | Name: Dan Mumford, E.I
Address: 14122 Jackson St Ste 1 | Email Address:
City, State, Zip Code: Fort Myers, FL 33901
Phone: 239-418-0691 | Project Name: Blackstone Corprate Park

Static / Residual Pressure Hydrant: LEH-00792 - 336 Black Stone Dr
Flow Hydrant: LEH-00796 - 837 Lockman Dr



Static Pressure	55 PSI	Test Duration:	6 Minutes		
Residual Pressure	40 PSI	Estimated Water Used:	6956 Gallons		
		Outlet No. 1		Outlet No. 2	
Inside Diameter of Hydrant Outlet =		2.5	Inches	2.5	Inches
Discharge Coefficient of Hydrant Outlet =		0.9		0.9	
Pitot or Pressure Gauge Reading =		35	PSI		PSI
Min Fire Flow Pressure = 20 PSI	Test Flow =	992.68 GPM		0.00 GPM	
	Combined Flow of Outlets No. 1 & 2 =	992.68 GPM			
	Available Fire Flow @ 20 PSI =	1,568.62 GPM			

Coefficients: 0.7 - Squared Butt / 0.8 - Smooth Squared Butt / 0.9 - Smooth and Round Butt

Page 1 of 2

FIRE FLOW

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PROJECT NOTES

BLACKSTONE CORPORATE PARK

LEE COUNTY, FLORIDA

PREPARED FOR: CNL FORT MYERS BLACKSTONE, LLC

NO.	DATE	REVISION DESCRIPTION	BY
1	07/11/2025	PER COUNTY & FGUA COMMENTS	VZ
2	10/17/2025	PER COUNTY COMMENTS	VZ
4	03/27/2026	PER SFWMD & COUNTY COMMENTS	VZ

811 Know what's below. Call before you dig.

ALL UTILITIES ARE SHOWN BASED ON THE INFORMATION AVAILABLE TO THE ENGINEER. THERE IS NO GUARANTEE ALL FACILITIES ARE SHOWN OR THAT THE LOCATION, DEPTH, AND CONFIGURATION SHOWN IS CORRECT. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UTILITIES AND SERVICE LINES PRIOR TO CONSTRUCTION.

RACHEL J. TRACEY, P.E.
P.E. LIC. #85322

DRAFTED BY:	DESIGNED BY:	REVIEWED BY:
VZ	RJT	DBA
PROJECT NUMBER: 24003608	COMPLETION DATE: 01/31/2025	SURVEY DATUM: NAVD'88
BOOK AND PAGE:		

SHEET 05

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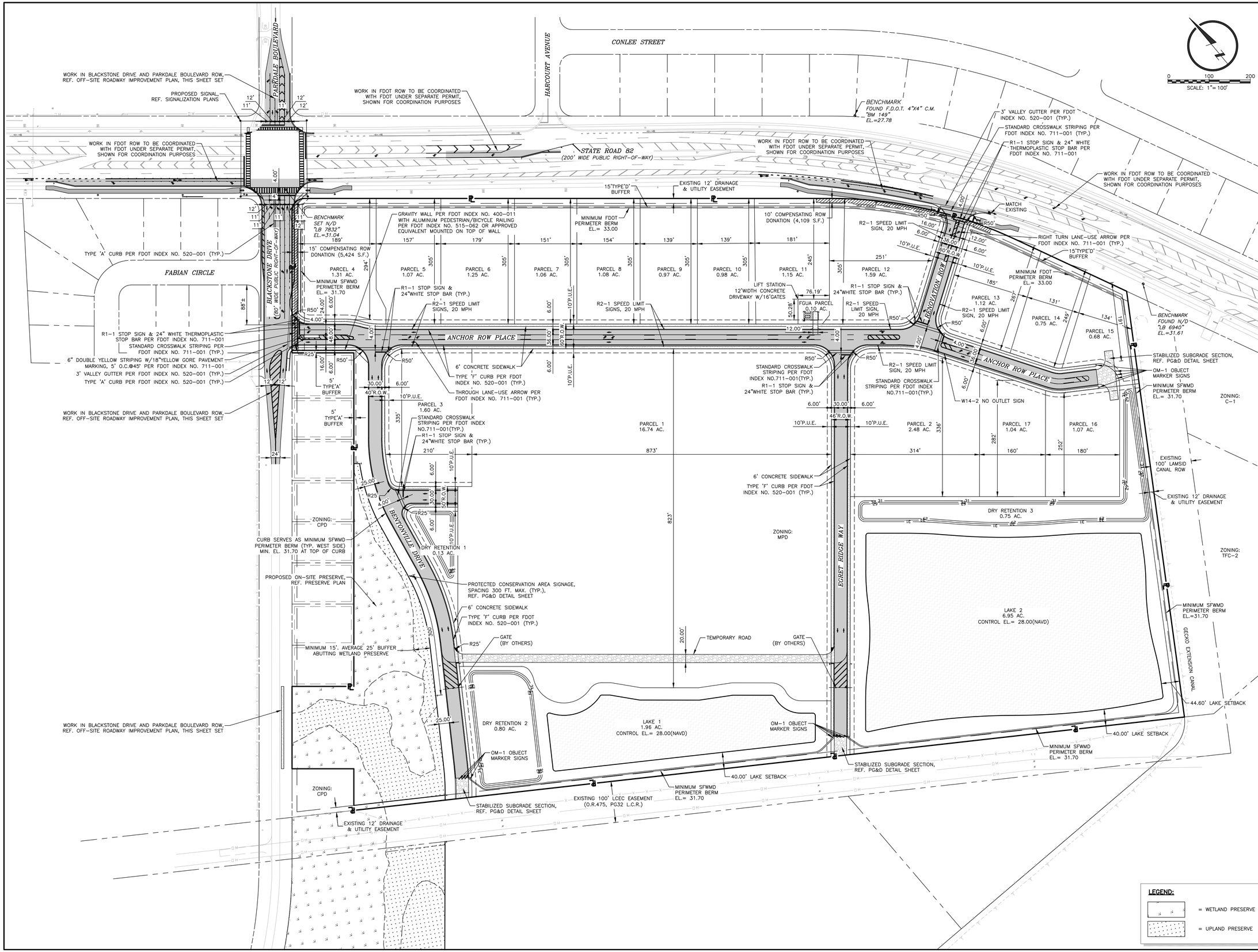

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MASTER SITE PLAN

BLACKSTONE CORPORATE PARK

LEE COUNTY, FLORIDA

PREPARED FOR:
CNL FORT MYERS BLACKSTONE, LLC

NO.	DATE	REVISION DESCRIPTION	BY
1	07/11/2025	PER COUNTY & FGUA COMMENTS	VZ
2	10/17/2025	PER COUNTY COMMENTS	VZ
3	02/06/2026	PER COUNTY COMMENTS	VZ
4	03/27/2026	PER SFWMD & COUNTY COMMENTS	VZ

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RACHEL J. TRACEY, P.E.
P.E. LIC. #85322

DRAFTED BY:	DESIGNED BY:	REVIEWED BY:
VZ	RJT	DBA
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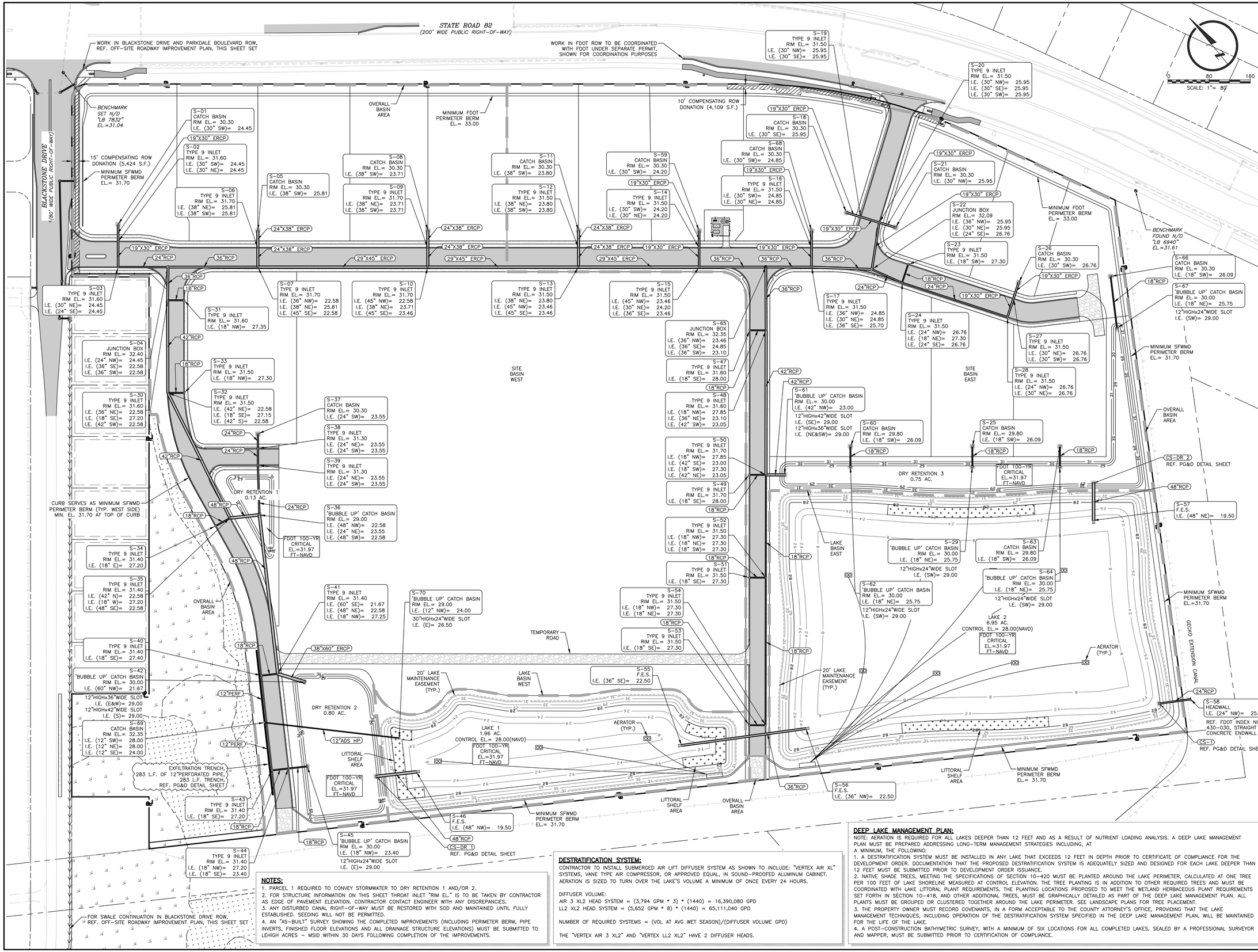
BOOK AND PAGE:		

SHEET 06

x:\Atwell\Jobs\24xx\24003608 - fort myers blackstone\engineering\site plans\05 MASTER SITE PLAN.dwg, 4/27/2026 1:00:51 PM, KIANA ZALEWSKI, ATWELL, LLC



NOTES:

1. PARCEL 1 REQUIRED TO CONVEY STORMWATER TO DRY RETENTION 1 AND/OR 2.
2. FOR STRUCTURE INFORMATION ON THIS SHEET THROAT INLET "RIM EL." IS TO BE TAKEN BY CONTRACTOR AS EDGE OF PAVEMENT ELEVATION. CONTRACTOR CONTACT ENGINEER WITH ANY DISCREPANCIES.
3. ANY DISTURBED CANAL RIGHT-OF-WAY MUST BE RESTORED WITH SOD AND MAINTAINED UNTIL FULLY ESTABLISHED. SEEDING WILL NOT BE PERMITTED.
4. AN "AS-BUILT" SURVEY SHOWING THE COMPLETED IMPROVEMENTS (INCLUDING PERIMETER BERM, PIPE INVERTS, FINISHED FLOOR ELEVATIONS AND ALL DRAINAGE STRUCTURE ELEVATIONS) MUST BE SUBMITTED TO LEHIGH ACRES – MSID WITHIN 30 DAYS FOLLOWING COMPLETION OF THE IMPROVEMENTS.

DESTRATIFICATION SYSTEM:

CONTRACTOR TO INSTALL SUBMERGED AIR LIFT DIFFUSER SYSTEM AS SHOWN TO INCLUDE: "VERTEX AIR XL" SYSTEMS, VANE TYPE AIR COMPRESSOR, OR APPROVED EQUAL, IN SOUND-PROOFED ALUMINUM CABINET. AERATION IS SIZED TO TURN OVER THE LAKE'S VOLUME A MINIMUM OF ONCE EVERY 24 HOURS.

DIFFUSER VOLUME:
AIR 3 XL2 HEAD SYSTEM = (3,794 GPM * 3) * (1440) = 16,390,080 GPD
LL2 XL2 HEAD SYSTEM = (5,652 GPM * 8) * (1440) = 65,111,040 GPD

NUMBER OF REQUIRED SYSTEMS = (VOL AT AVG WET SEASON)/(DIFFUSER VOLUME GPD)

THE "VERTEX AIR 3 XL2" AND "VERTEX LL2 XL2" HAVE 2 DIFFUSER HEADS.

DEEP LAKE MANAGEMENT PLAN:

NOTE: AERATION IS REQUIRED FOR ALL LAKES DEEPER THAN 12 FEET AND AS A RESULT OF NUTRIENT LOADING ANALYSIS. A DEEP LAKE MANAGEMENT PLAN MUST BE PREPARED ADDRESSING LONG-TERM MANAGEMENT STRATEGIES INCLUDING, AT A MINIMUM, THE FOLLOWING:

1. A DESTRATIFICATION SYSTEM MUST BE INSTALLED IN ANY LAKE THAT EXCEEDS 12 FEET IN DEPTH PRIOR TO CERTIFICATE OF COMPLIANCE FOR THE DEVELOPMENT ORDER. DOCUMENTATION THAT THE PROPOSED DESTRATIFICATION SYSTEM IS ADEQUATELY SIZED AND DESIGNED FOR EACH LAKE DEEPER THAN 12 FEET MUST BE SUBMITTED PRIOR TO DEVELOPMENT ORDER ISSUANCE.
2. NATIVE SHADE TREES, MEETING THE SPECIFICATIONS OF SECTION 10-420 MUST BE PLANTED AROUND THE LAKE PERIMETER, CALCULATED AT ONE TREE PER 100 FEET OF LAKE SHORELINE MEASURED AT CONTROL ELEVATION. THE TREE PLANTING IS IN ADDITION TO OTHER REQUIRED TREES AND MUST BE COORDINATED WITH LAKE LITTORAL PLANT REQUIREMENTS. THE PLANTING LOCATIONS PROPOSED TO MEET THE WETLAND HERBACEOUS PLANT REQUIREMENTS SET FORTH IN SECTION 10-418, AND OTHER ADDITIONAL TREES, MUST BE GRAPHICALLY DETAILED AS PART OF THE DEEP LAKE MANAGEMENT PLAN. ALL PLANTS MUST BE GROUPED OR CLUSTERED TOGETHER AROUND THE LAKE PERIMETER. SEE LANDSCAPE PLANS FOR TREE PLACEMENT.
3. THE PROPERTY OWNER MUST RECORD COVENANTS, IN A FORM ACCEPTABLE TO THE COUNTY ATTORNEY'S OFFICE, PROVIDING THAT THE LAKE MANAGEMENT TECHNIQUES, INCLUDING OPERATION OF THE DESTRATIFICATION SYSTEM SPECIFIED IN THE DEEP LAKE MANAGEMENT PLAN, WILL BE MAINTAINED FOR THE LIFE OF THE LAKE.
4. A POST-CONSTRUCTION BATHYMETRIC SURVEY, WITH A MINIMUM OF SIX LOCATIONS FOR ALL COMPLETED LAKES, SEALED BY A PROFESSIONAL SURVEYOR AND MAPPER, MUST BE SUBMITTED PRIOR TO CERTIFICATION OF COMPLIANCE.

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FORT MYERS, FL 33966
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MASTER DRAINAGE PLAN

BLACKSTONE CORPORATE PARK

LEE COUNTY, FLORIDA

PREPARED FOR: CNL FORT MYERS BLACKSTONE, LLC

NO.	DATE	REVISION DESCRIPTION	BY
1	07/11/2025	PER COUNTY & FGUA COMMENTS	VZ
4	03/27/2026	PER SFWMD & COUNTY COMMENTS	VZ
5	04/27/2026	PER SFWMD COMMENTS	VZ

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BOOK AND PAGE:		

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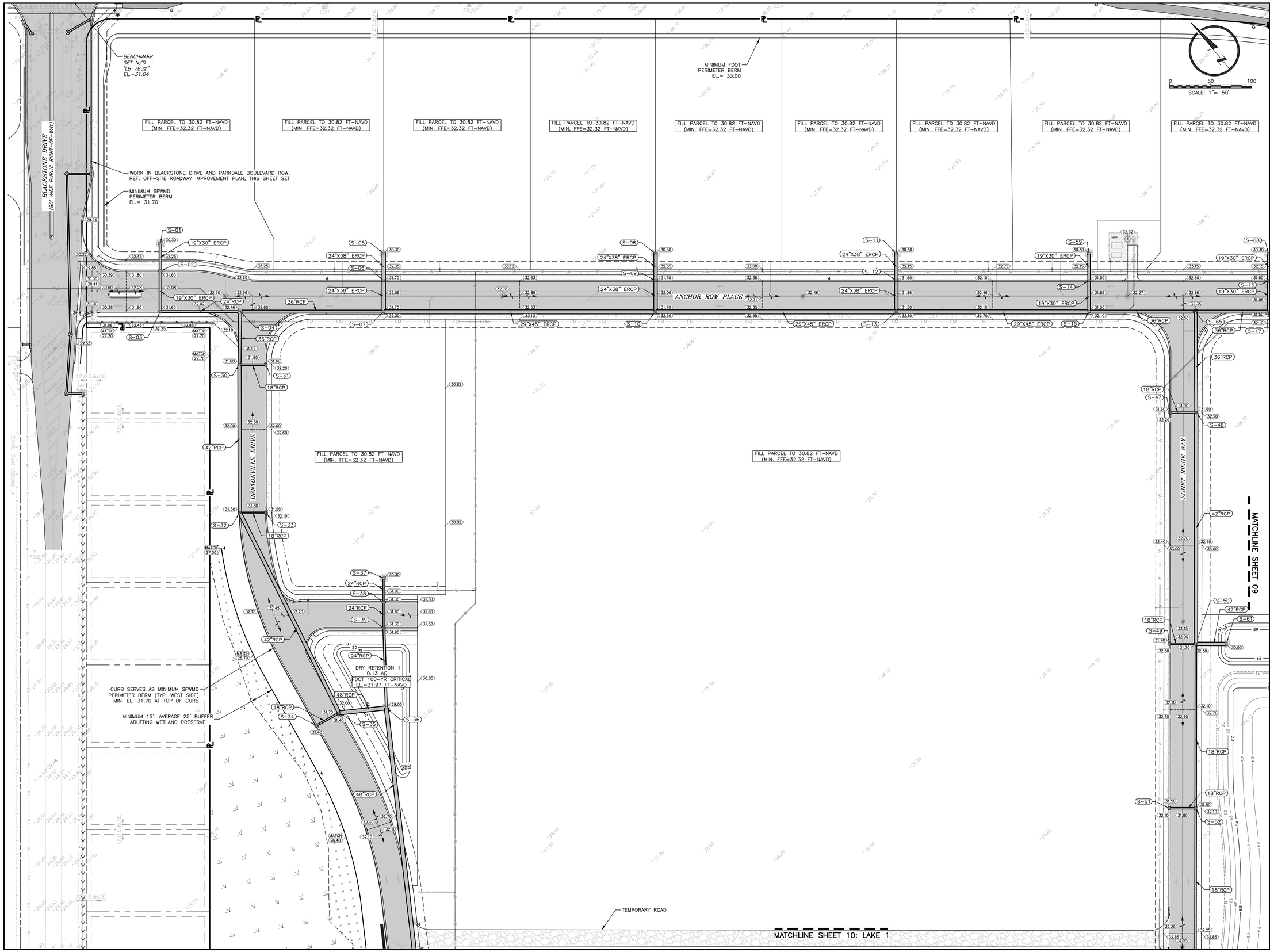

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10511 SIX MILE CYPRESS PKWY, SUITE101
FORT MYERS, FL 33966
239.939.5490

PAVING, GRADING & DRAINAGE PLAN 1

BLACKSTONE CORPORATE PARK

LEE COUNTY, FLORIDA

PREPARED FOR:
CNL FORT MYERS BLACKSTONE, LLC

NO.	DATE	REVISION DESCRIPTION	BY
1	07/11/2025	PER COUNTY & FGUA COMMENTS	VZ

811 Know what's below. Call before you dig.

ALL UTILITIES ARE SHOWN BASED ON THE INFORMATION AVAILABLE TO THE ENGINEER. THERE IS NO GUARANTEE ALL FACILITIES ARE SHOWN OR THAT THE LOCATION, DEPTH, AND SIZE OF EACH FACILITY IS CORRECT. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UTILITIES AND SERVICE LINES PRIOR TO CONSTRUCTION.

RACHEL J. TRACEY, P.E.
P.E. LIC. #85322

DRAFTED BY:	DESIGNED BY:	REVIEWED BY:
VZ	RJT	DBA
PROJECT NUMBER: 24003608	COMPLETION DATE: 01/31/2025	SURVEY DATUM: NAVD'88
BOOK AND PAGE:		

SHEET 08

x:\Atwell\Jobs\24xx\24003608 - fort myers blackstone\engineering\site plans\DR PAVING, GRADING & DRAINAGE PLAN 1.dwg, 4/27/2026 1:01:20 PM, IVAN ZALTZMAN, ATWELL, LLC

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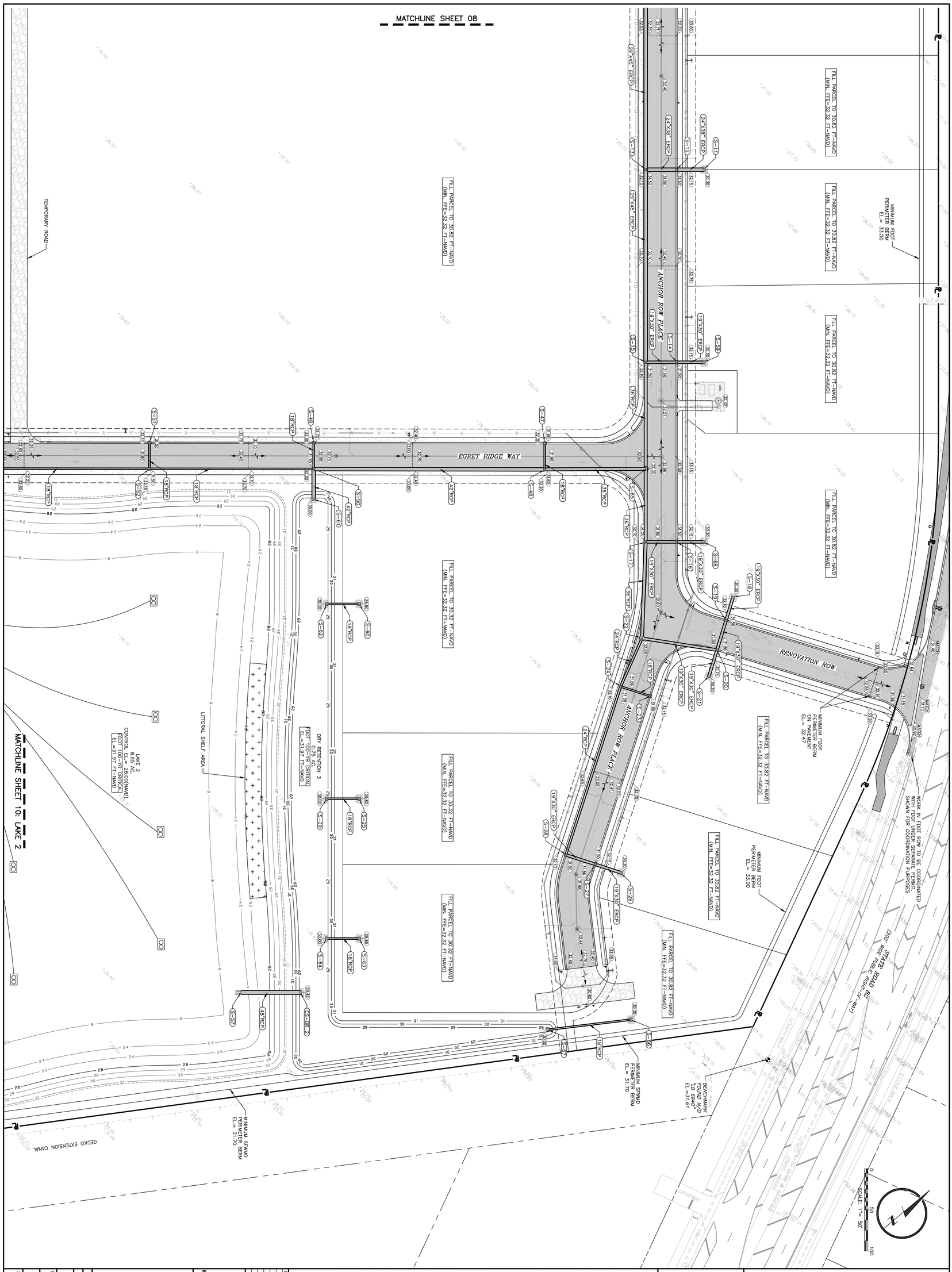

PAVING, GRADING & DRAINAGE PLAN 2

BLACKSTONE CORPORATE PARK

LEE COUNTY, FLORIDA

PREPARED FOR: CNL FORT MYERS BLACKSTONE, LLC

NO.	DATE	REVISION DESCRIPTION	BY
1	07/11/2025	PER COUNTY & FGUA COMMENTS	V2

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FORT MYERS, FL 33966
239.939.5490

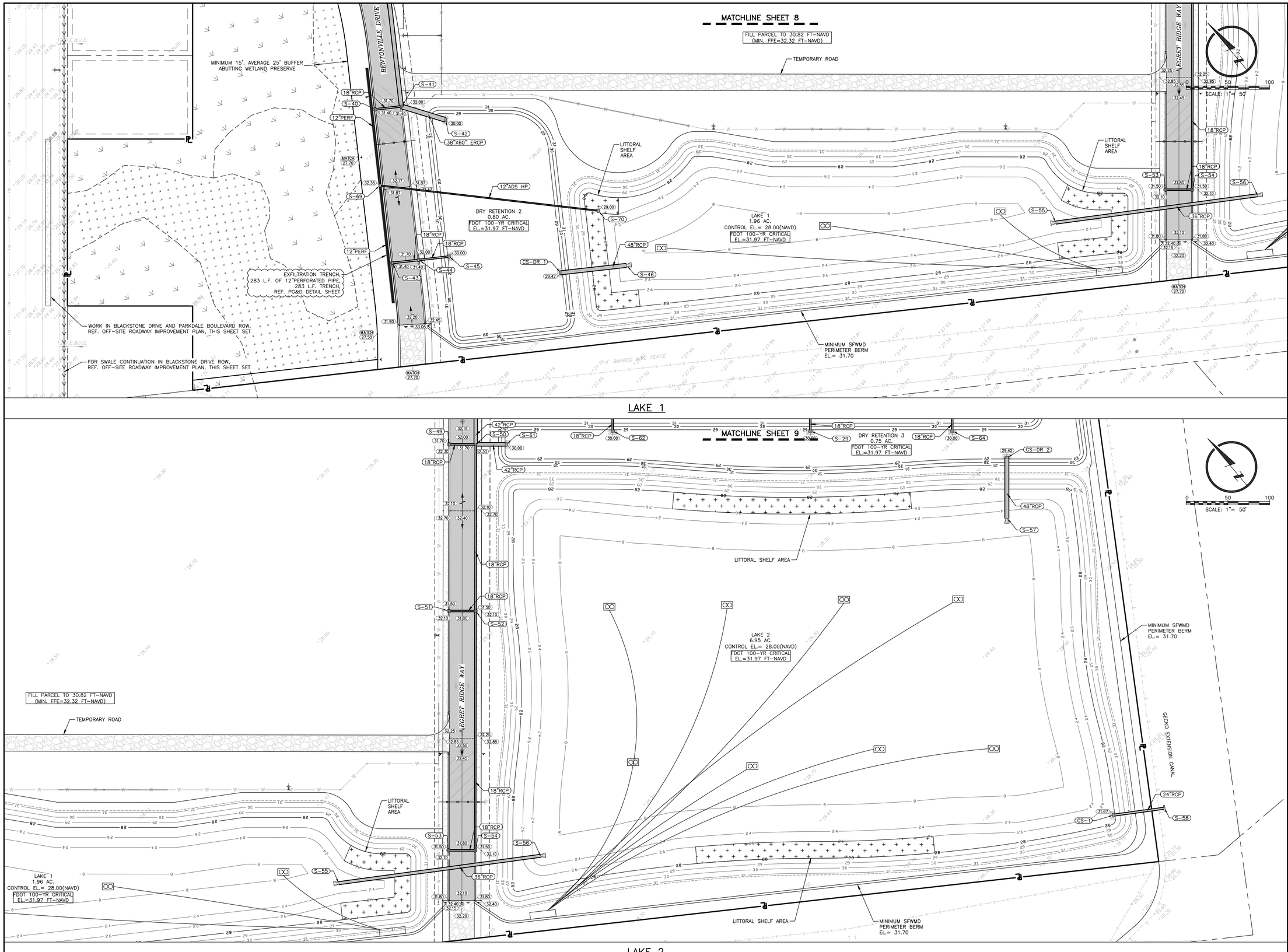
RACHEL J. TRACEY, P.E.
P.E. LIC. #8302

DRAFTED BY:	DESIGNED BY:	REVIEWED BY:
VZ	RJT	DBA

PROJECT NUMBER:	COMPLETION DATE:	SURVEY DATE:
24003608	01/31/2025	NAVD'88

BOOK AND PAGE:

SHEET 09



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PAVING, GRADING & DRAINAGE PLAN 3

BLACKSTONE CORPORATE PARK

LEE COUNTY, FLORIDA

PREPARED FOR:
CNL FORT MYERS BLACKSTONE, LLC

NO.	DATE	REVISION DESCRIPTION	BY
1	07/11/2025	PER COUNTY & FGUA COMMENTS	VZ
5	04/27/2026	PER SFWMD COMMENTS	VZ

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RACHEL J. TRACEY, P.E.
P.E. LIC. #85332

DRAFTED BY:	DESIGNED BY:	REVIEWED BY:
VZ	RJT	DBA
PROJECT NUMBER: 24003608	COMPLETION DATE: 01/31/2025	SURVEY DATUM: NAVD'88
BOOK AND PAGE:		

SHEET 10

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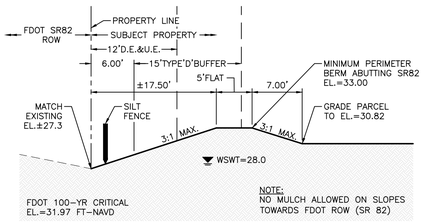

SECTION A–A
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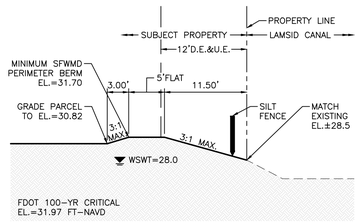

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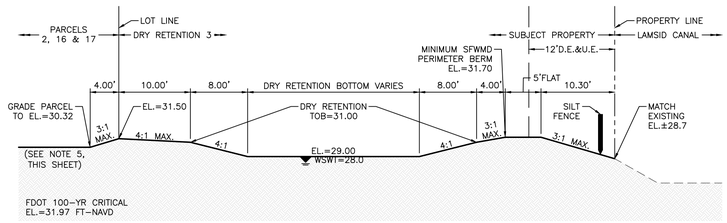

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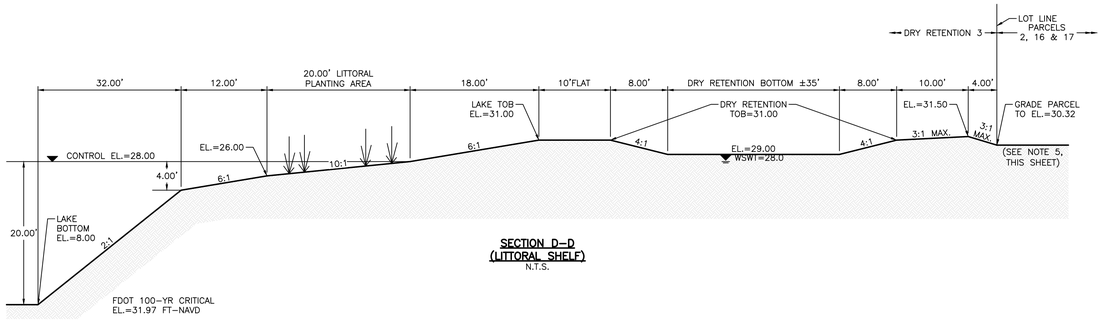

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(LITTORAL SHELF)
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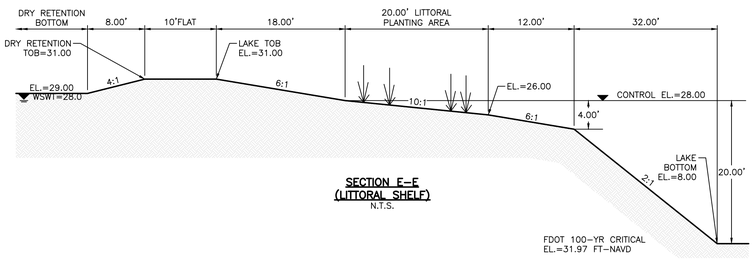

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(LITTORAL SHELF)
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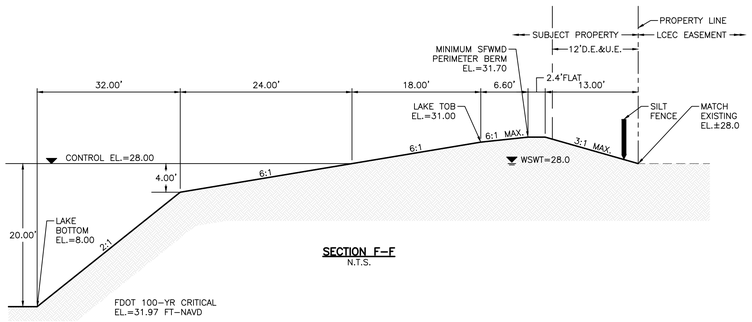

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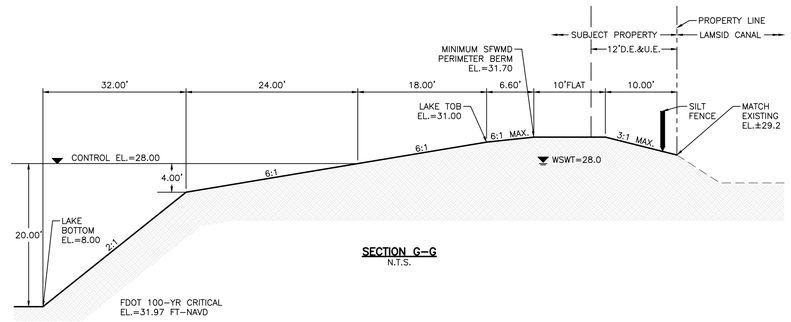

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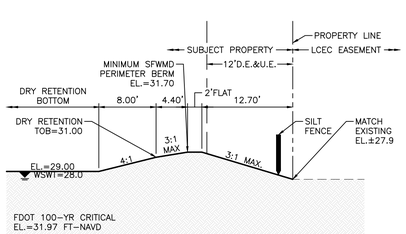

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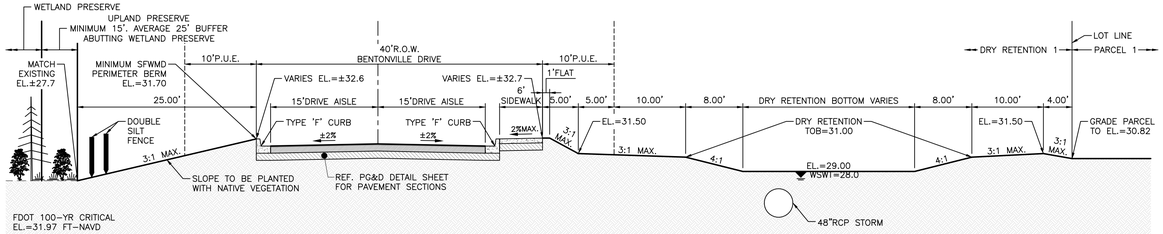

SECTION I–I
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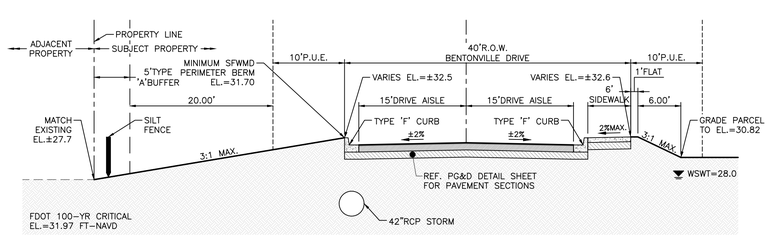

SECTION J–J
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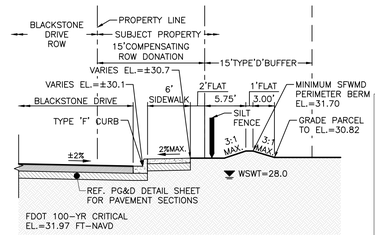
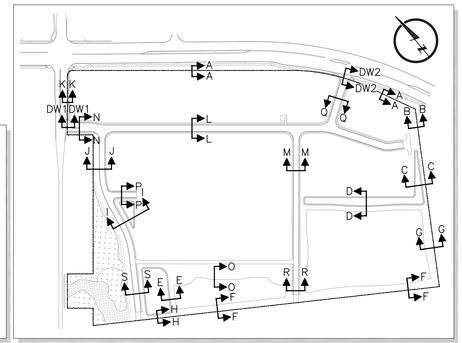


SECTION K–K
N.T.S.

NOTES:

1. AFTER THE LOTS ARE FILLED AND GRADED, THE SITE IS TO BE STABILIZED WITH SEED AND MULCH.
2. ALL ACCESSIBLE PATHWAYS, ACCESS AISLES, ACCESSIBLE MANEUVERING SPACES AND PARKING SPACES TO CONFORM TO THE FLORIDA ACCESSIBILITY CODE. CONTRACTOR TO VERIFY ACCESSIBILITY AND COORDINATE WITH OWNER AND ENGINEER OF ANY DISCREPANCIES.
3. MINIMUM 3' LANDING REQUIRED AT TOP OF CURB RAMP WITH LESS THAN 2% SLOPE IN ALL DIRECTIONS PER FLORIDA ACCESSIBILITY CODE 406 (TYPICAL ALL CURB RAMPS).
4. RAMP SLOPE TO BE LESS THAN 5% RUNNING SLOPE AND LESS THAN 2% CROSS SLOPE PER FLORIDA ACCESSIBILITY CODE 406.
5. PARCELS 2, 16, AND 17 FILL TO 30.32 FT–NAVD. REMAINDER PARCELS FILL TO 30.82 FT–NAVD.
6. ALL DISTURBED AREAS IN FDOT ROW WILL BE SODDED.
7. NO MULCH ON SLOPES TOWARDS FDOT ROW (SR 82).



KEY MAP
N.T.S.

ATWELL
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FORT MYERS, FL 33966
239.939.5490

TYPICAL CROSS SECTIONS 1

BLACKSTONE CORPORATE PARK

LEE COUNTY, FLORIDA

PREPARED FOR:
CNL FORT MYERS BLACKSTONE, LLC

NO.	DATE	REVISION DESCRIPTION	BY
1	07/11/2025	PER COUNTY & FGUA COMMENTS	VZ

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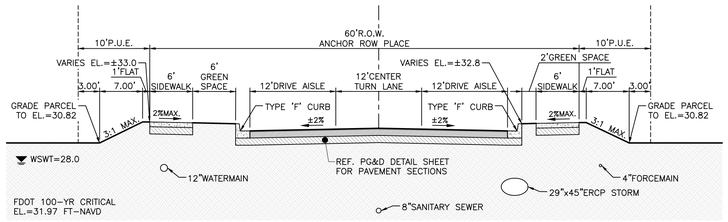
RACHEL J. TRACEY, P.E.
P.E. LIC. #85322

DRAFTED BY:	DESIGNED BY:	REVIEWED BY:
VZ	RJT	DBA
PROJECT NUMBER: 24003608	COMPLETION DATE: 01/31/2025	SURVEY DATUM: NAVD'88
BOOK AND PAGE:		

SHEET 11

x:\Atwell\Jobs\24xx\24003608 - fort myers blackstone\engineering\dev plans\11 TYPICAL SECTIONS.dwg, 4/27/2026 1:02:32 PM, KHAN ZALEAMOU, ATWELL, LLC



SECTION L–L
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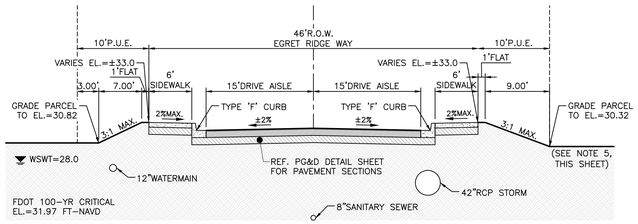

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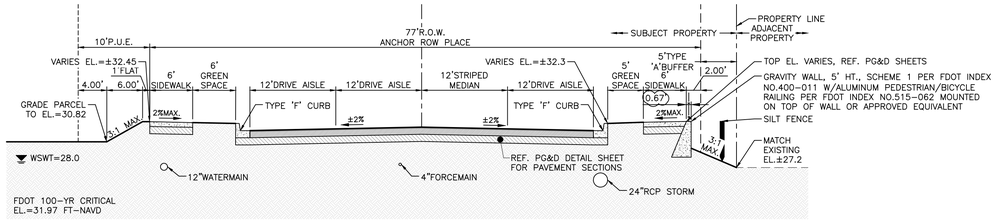

SECTION N–N
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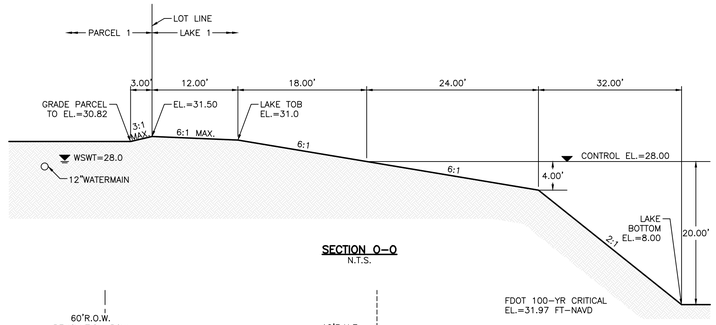

SECTION O–O
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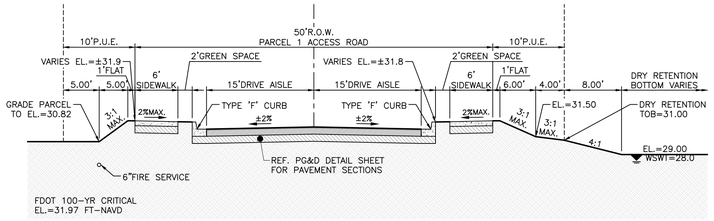

SECTION P–P
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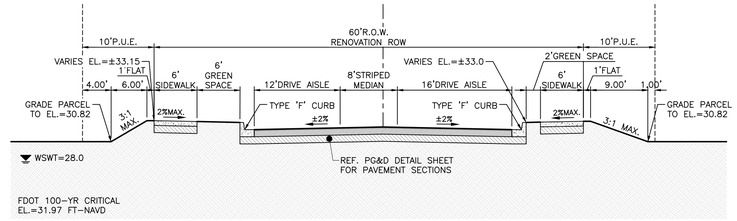

SECTION Q–Q
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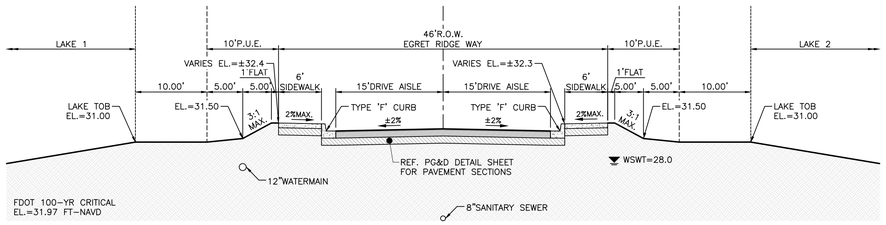

SECTION R–R
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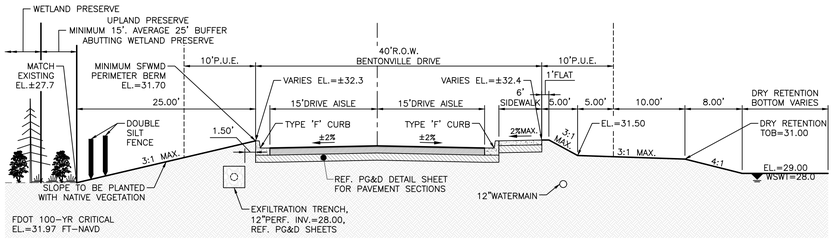

SECTION S–S
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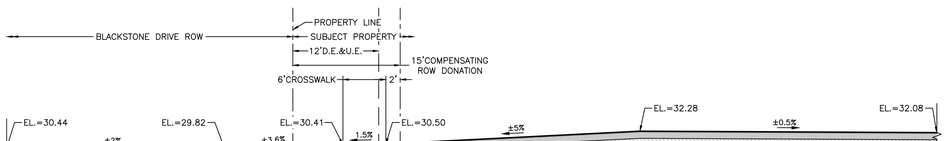

SECTION DW1–DW1
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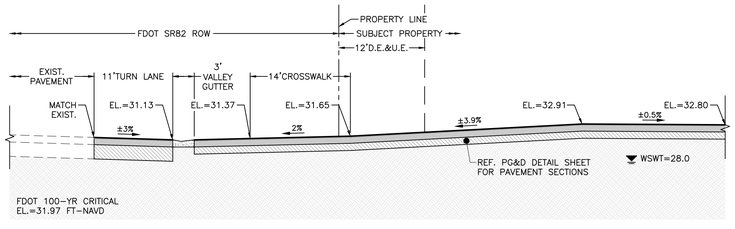
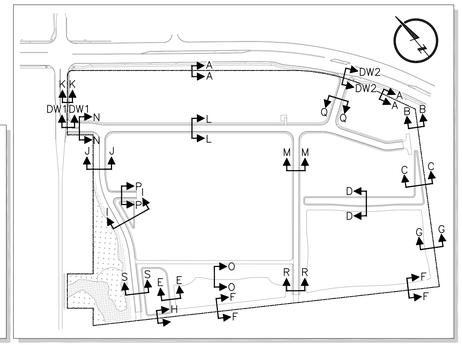


SECTION DW2–DW2
N.T.S.

NOTES:

1. AFTER THE LOTS ARE FILLED AND GRADED, THE SITE IS TO BE STABILIZED WITH SEED AND MULCH.
2. ALL ACCESSIBLE PATHWAYS, ACCESS AISLES, ACCESSIBLE MANEUVERING SPACES AND PARKING SPACES TO CONFORM TO THE FLORIDA ACCESSIBILITY CODE. CONTRACTOR TO VERIFY ACCESSIBILITY AND COORDINATE WITH OWNER AND ENGINEER OF ANY DISCREPANCIES.
3. MINIMUM 3' LANDING REQUIRED AT TOP OF CURB RAMP WITH LESS THAN 2% SLOPE IN ALL DIRECTIONS PER FLORIDA ACCESSIBILITY CODE 406 (TYPICAL ALL CURB RAMPS).
   RAMP SLOPE TO BE LESS THAN 5% RUNNING SLOPE AND LESS THAN 2% CROSS SLOPE PER FLORIDA ACCESSIBILITY CODE 406.
4. PARCELS 2, 16, AND 17 FILL TO 30.32 FT-NAVD. REMAINDER PARCELS FILL TO 30.82 FT-NAVD.
5. ALL DISTURBED AREAS IN FDOT ROW WILL BE SODDED.
6. NO MULCH ON SLOPES TOWARDS FDOT ROW (SR 82).



KEY MAP
N.T.S.

ATWELL
866.850.4200 www.atwell-group.com
10511 SIX MILE CYPRESS PKWY, SUITE101
FORT MYERS, FL 33966
239.939.5490

TYPICAL CROSS SECTIONS 2

BLACKSTONE CORPORATE PARK

LEE COUNTY, FLORIDA

PREPARED FOR:

CNL FORT MYERS BLACKSTONE, LLC

NO.	DATE	REVISION DESCRIPTION	BY
1	07/11/2025	PER COUNTY & FGUA COMMENTS	VZ
2	10/17/2025	PER COUNTY COMMENTS	VZ
4	03/27/2026	PER SFWMD & COUNTY COMMENTS	VZ

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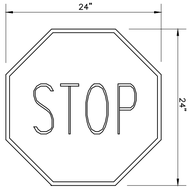
RACHEL J. TRACEY, P.E.

P.E. LIC. #85322

DRAFTED BY:	DESIGNED BY:	REVIEWED BY:
VZ	RJT	DBA
PROJECT NUMBER: 24003608	COMPLETION DATE: 01/31/2025	SURVEY DATUM: NAVD'88
BOOK AND PAGE:		

SHEET 12

s:\Atwell\Jobs\24xx\24003608 - fort myers blackstone\engineering\dev plans\11 TYPICAL CROSS SECTIONS.dwg, 4/27/2026 1:02:35 PM, VIVIAN ZALEWSKA, ATWELL, LLC

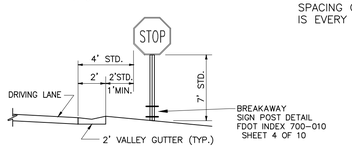


24" R1-1 STOP SIGN
N.T.S.

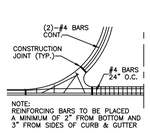
PRESERVE
PROTECTED AREA
NO MOWING
NO VEGETATION REMOVAL
NO FILLING
NO DUMPING

PRESERVE SIGN

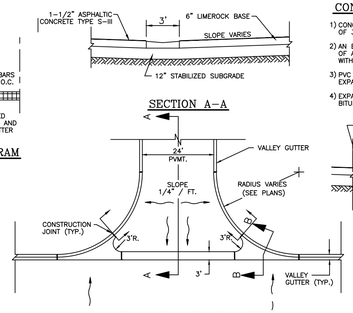
PRESERVE SIGNS ARE TO BE A MAXIMUM SIZE OF 2 SQUARE FEET AND A MAXIMUM HEIGHT OF 4 FEET. SPACING OF SIGNS SHOWN ON PLAN IS EVERY 300 FEET MAXIMUM.



TYPICAL SIGN PLACEMENT
N.T.S.



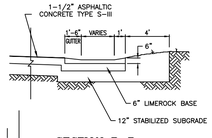
REINFORCING DIAGRAM



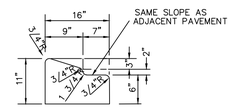
VALLEY CROSSING DETAIL
N.T.S.

CONCRETE CURB JOINTS

1) CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH OF 3000 PSI IN 28 DAYS, UNLESS OTHERWISE NOTED.
2) AN EXPANSION JOINT WILL BE PLACED AT THE END OF ALL RETURNS AT INTERVALS NOT TO EXCEED 50' WITH CONTRACTION JOINTS AT 10' INTERVALS BETWEEN.
3) PVC SLIP JOINTS SHALL BE CONSTRUCTED TO PERMIT EXPANSION & CONTRACTION OF STEEL ACROSS JOINT.
4) EXPANSION JOINTS SHALL BE CONSTRUCTED WITH 1/2" BITUMINOUS IMPREGNATED EXPANSION JOINT MATERIAL.

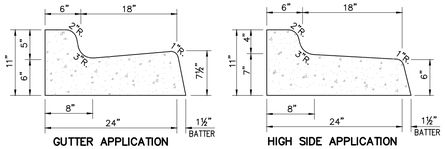


SECTION B-B



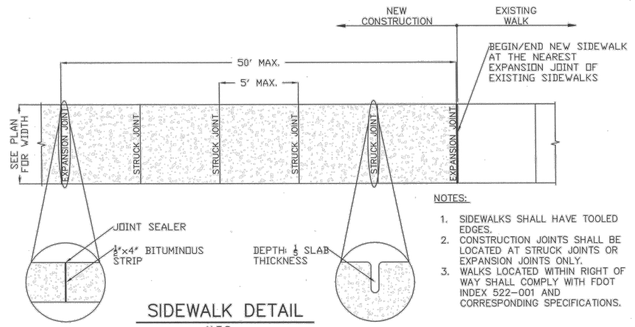
NOTES:
1. CONCRETE TO BE F.D.O.T. CLASS I OR EQUAL. (2,500 PSI MINIMUM STRENGTH)
2. CONSTRUCTION TO BE IN ACCORDANCE WITH F.D.O.T. SPECIFICATION SECTION 520.

TYPE 'A' CURB
N.T.S.



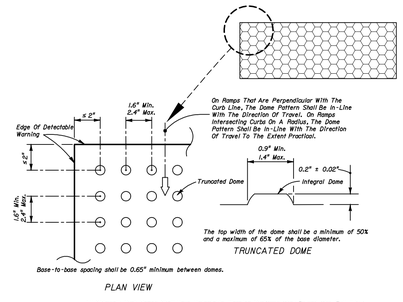
NOTES:
1. CONCRETE TO BE F.D.O.T. CLASS I OR EQUAL. (2,500 P.S.I. MINIMUM STRENGTH)
2. CONSTRUCTION TO BE IN ACCORDANCE WITH F.D.O.T. SPECIFICATION SECTION 520.
3. WHEN USED ON HIGH SIDE OF PAVEMENTS, THE CROSS SLOPE OF THE GUTTER SHALL SPILL OUT WITH 1" FALL AS SHOWN.

TYPE "F" CURB
N.T.S.



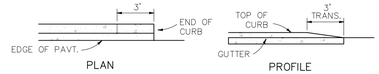
NOTES:
1. SIDEWALKS SHALL HAVE TOOLED EDGES.
2. CONSTRUCTION JOINTS SHALL BE LOCATED AT STRUCK JOINTS OR EXPANSION JOINTS ONLY.
3. WALKS LOCATED WITHIN RIGHT OF WAY SHALL COMPLY WITH FDOT INDEX 522-001 AND CORRESPONDING SPECIFICATIONS.

SIDEWALK DETAIL
N.T.S.



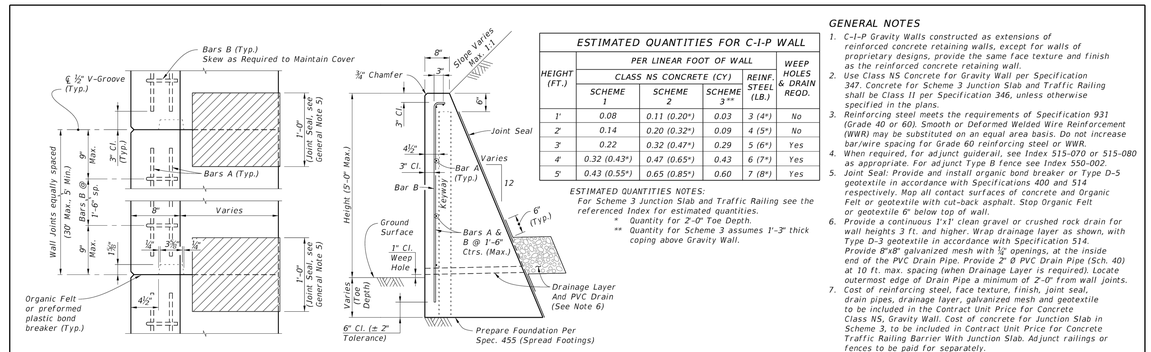
All Sidewalk Curb Ramps Shall Have Detectable Warning Surfaces That Extend The Full Width Of The Ramp And In The Direction Of Travel 24 Inches (610 mm) From The Back Of Curb.

DETECTABLE WARNING PAD DETAIL
N.T.S.



STRAIGHT END

CURB & GUTTER ENDING
N.T.S.



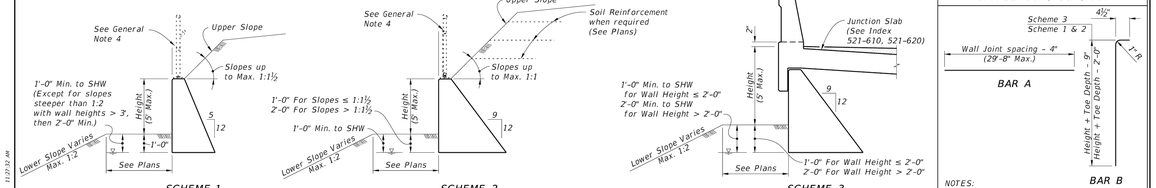
KEYWAY & WALL JOINT DETAIL (TOP VIEW)

TYPICAL SECTION C-I-P CONCRETE GRAVITY WALL

ESTIMATED QUANTITIES FOR C-I-P WALL					
HEIGHT (FT.)	PER LINEAR FOOT OF WALL				WEEP HOLES & DRAIN REQD.
	CLASS NS CONCRETE (CY)			REINF. STEEL (LB.)	
	SCHEME 1	SCHEME 2	SCHEME 3**		
1'	0.08	0.11 (0.20*)	0.03	3 (4*)	No
2'	0.14	0.20 (0.32*)	0.09	4 (5*)	No
3'	0.22	0.32 (0.47*)	0.29	5 (6*)	Yes
4'	0.32 (0.43*)	0.47 (0.65*)	0.43	6 (7*)	Yes
5'	0.43 (0.55*)	0.65 (0.85*)	0.60	7 (8*)	Yes

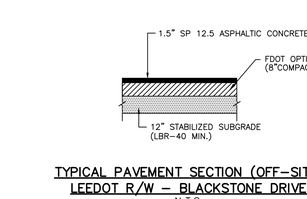
ESTIMATED QUANTITIES NOTES:
For Scheme 3 Junction Slab and Traffic Railing see the referenced Index for estimated quantities.
* Quantity for 2'-0" Toe Depth.
** Quantity for Scheme 3 assumes 1'-3" thick coping above Gravity Wall.

GENERAL NOTES
1. C-I-P Gravity Walls constructed as extensions of reinforced concrete retaining walls, except for walls of proprietary designs, provide the same face texture and finish as the reinforced concrete retaining wall.
2. Use Class NS Concrete for Gravity Wall per Specification 347. Concrete for Scheme 3 Junction Slab and Traffic Railing shall be Class II per Specification 346, unless otherwise specified in the plans.
3. Reinforcing steel meets the requirements of Specification 931 (Grade 40 or 60). Smooth or Deformed Welded Wire Reinforcement (WWR) may be substituted on an equal area basis. Do not increase bar/wire spacing for Grade 60 reinforcing steel or WWR.
4. When required, for adjunct guiderail, see Index 515-070 or 515-080 as appropriate. For adjunct Type B fence see Index 550-002.
5. Joint Seal: Provide and install organic bond breaker or Type D-5 geotextile in accordance with Specifications 400 and 514 respectively. Mop all contact surfaces of concrete and Organic Felt or geotextile with cut-back asphalt. Stop Organic Felt or geotextile 6" below top of wall.
6. Provide a continuous 1'x1' clean gravel or crushed rock drain for wall heights 3 ft. and higher. Wrap drainage layer as shown, with Type D-3 geotextile in accordance with Specification 514. Provide 8"x8" galvanized mesh with ¼" openings, at the inside end of the PVC Drain Pipe. Provide 2" Ø PVC Drain Pipe (Sch. 40) at 10 ft. max. spacing (when Drainage Layer is required). Locate outermost edge of Drain Pipe a minimum of 2'-0" from wall joints.
7. Cost of reinforcing steel, face texture, finish, joint seal, drain pipes, drainage layer, galvanized mesh and geotextile to be included in the Contract Unit Price for Concrete Class NS, Gravity Wall. Cost of concrete for Junction Slab in Scheme 3, to be included in Contract Unit Price for Concrete Traffic Railing Barrier With Junction Slab. Adjunct railings or fences to be paid for separately.



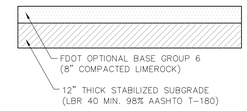
BILL OF REINFORCING STEEL		
MARK	SIZE	LENGTH
A	4	As Reqd.
B	4	As Reqd.

BAR BENDING DIAGRAM

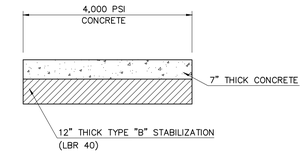


NOTES:
1. All bar dimensions are out to out.
2. Lap splices for Bars A must be a minimum of 1'-10".

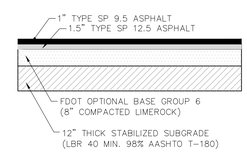
LAST REVISION	DESCRIPTION:	FDOT	FY 2025-26 STANDARD PLANS	GRAVITY WALL	INDEX	SHEET
11/01/24	REVISION				400-011	1 of 1



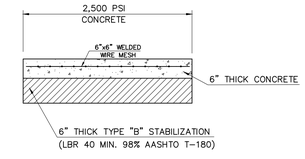
STABILIZED SUBGRADE SECTION (ON-SITE)
N.T.S.



FGUA DRIVEWAY CONCRETE SECTION (ON-SITE)
N.T.S.



ASPHALT SECTION (ON-SITE)
N.T.S.

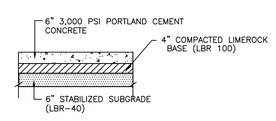


NOTES:
1. SIDEWALKS TO BE 4" THICK WITHOUT WELDED WIRE MESH.
2. SOLID WASTE PAD TO BE 6" THICK WITH WELDED WIRE MESH AS SHOWN.

SIDEWALK CONCRETE SECTION (ON-SITE)
N.T.S.

TYPICAL PAVEMENT SECTION (OFF-SITE)
LEEDOT R/W - BLACKSTONE DRIVE
N.T.S.

NOTE: PER LEEDOT SEC 10-296, TABLE 3



TYPICAL SIDEWALK SECTION (OFF-SITE)
LEEDOT R/W
N.T.S.

ATWELL
866.850.4200 www.atwell-group.com
10511 SIX MILE CYPRESS PKWY, SUITE101
FORT MYERS, FL 33966
239.939.5490

PAVING, GRADING & DRAINAGE DETAILS 1

BLACKSTONE CORPORATE PARK

LEE COUNTY, FLORIDA

PREPARED FOR:
CNL FORT MYERS BLACKSTONE, LLC

NO.	DATE	REVISION DESCRIPTION	BY
1	07/11/2025	PER COUNTY & FGUA COMMENTS	VZ
4	03/27/2026	PER SFWMD & COUNTY COMMENTS	VZ

811 Know what's below. Call before you dig.

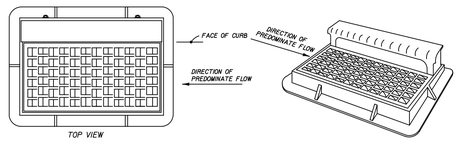
ALL UTILITIES ARE SHOWN BASED ON THE INFORMATION AVAILABLE TO THE ENGINEER. THE CONTRACTOR SHALL VERIFY ALL FACILITIES ARE SHOWN ON THAT THE LOCATION, DEPTH, AND SIZE OF EACH FACILITY IS CORRECT. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL UTILITIES AND SERVICE LINES PRIOR TO CONSTRUCTION.

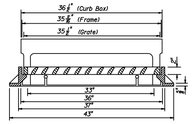
RACHEL J. TRACEY, P.E.
P.E. LIC. #85322

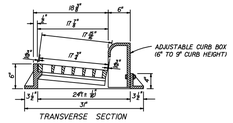
DRAFTED BY:	DESIGNED BY:	REVIEWED BY:
VZ	RJT	DBA
PROJECT NUMBER: 24003608	COMPLETION DATE: 01/31/2025	SURVEY DATUM: NAVD'88
BOOK AND PAGE:		

SHEET
13

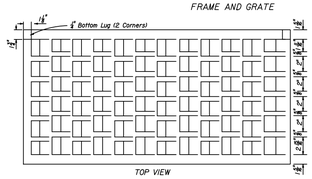
I:\Atwell\Jobs\24xx\24003608 - fort myers blackstone\Engineering\dev plans\13 PAVING, GRADING & DRAINAGE DETAILS.dwg, 4/27/2026 1:03:44 PM, VIVIAN ZALESKOWSKI, ATWELL, LLC
11/21/23 AM
8/30/2024



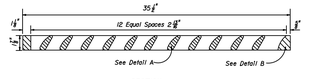


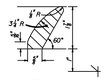


FRAME AND GRATE

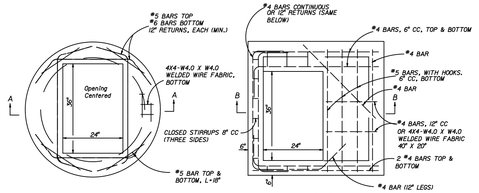


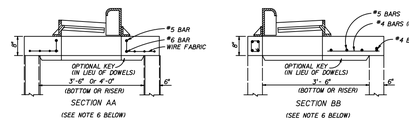






GRATE DETAIL

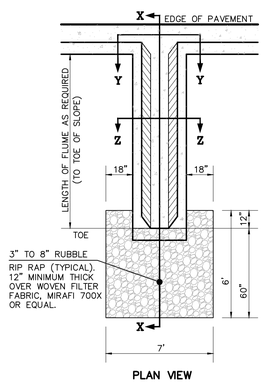


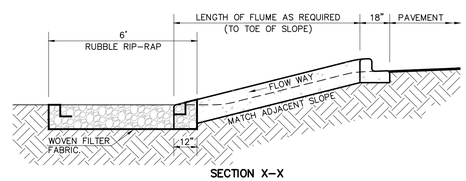


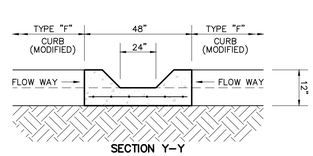
TOP SLABS

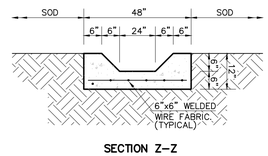
GENERAL NOTES

1. THIS INLET IS PRIMARILY INTENDED FOR LOCATIONS WITH LIGHT TO MODERATE FLOWS WHERE RIGHT OF WAY DOES NOT PERMIT THE USE OF THROATED CURB INLETS TYPES I THROUGH 6. THE TYPICAL APPLICATION IS ON CURB RETURNS TO CITY STREETS. THE INLET GRATE IS SUITABLE FOR PEDESTRIAN AND BICYCLE TRAFFIC.
2. THIS INLET TO BE LOCATED IN VERTICAL FACED CURBS SUCH AS CURB AND GUTTER TYPE F. GRATE SHALL BE ORIENTED WITH VANES DIRECTED TOWARD PREDOMINATE FLOW. INLET TO BE LOCATED OUTSIDE PEDESTRIAN CROSSWALK WHERE PRACTICAL.
3. FOR STRUCTURE BOTTOMS SEE INDEX NO. 200. FOR SUPPLEMENTAL DETAILS SEE INDEX NO. 201.
4. ALL STEEL IN SLAB TOPS SHALL HAVE ½" MINIMUM COVER UNLESS OTHERWISE SHOWN. TOPS SHALL BE EITHER CAST-IN-PLACE OR PRECAST CONCRETE.
5. FOR ALTERNATE B APPLICATIONS, TOP SLAB OPENINGS SHALL BE PLACED SUCH THAT 2 EDGES OF INLET FRAME WILL BE LOCATED DIRECTLY ABOVE BOTTOM WALL OR RISER WALL.
6. WHEN USED ON A STRUCTURE WITH DIMENSIONS LARGER THAN THOSE DETAILED ABOVE AND RISERS ARE NOT APPLIED, THE TOP SLAB SHALL BE CONSTRUCTED USING INDEX 200 WITH THE SLAB OPENING ADJUST TO 24"x 36". THE "SPECIAL TOP SLAB" ON INDEX 200 IS NOT PERMITTED.
7. FRAME MAY BE ADJUSTED WITH ONE TO SIX COURSES OF BRICK.
8. INLET AND GRATE DETAIL SHOWN IS NEENAH R-3067-L. VANED GRATES WITH APPROXIMATELY EQUAL OPENINGS WILL BE PERMITTED THAT SATISFY AASHTO H-20 LOADING. INLET AND GRATE SHALL BE CLASS 30 CASTINGS IN ACCORDANCE WITH ASTM A 48. GRATES SHALL BE REVERSIBLE, RIGHT OR LEFT.



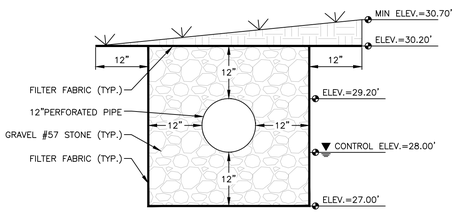




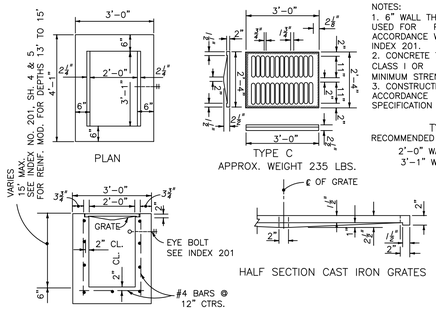


CONCRETE FLUME WITH RIP-RAP DETAIL
N.T.S.

INLET TOPS TYPE 9
N.T.S.



EXFILTRATION TRENCH DETAIL
N.T.S.



NOTES:
1. 6" WALL THICKNESS MUST BE USED FOR PRE-CAST INLETS IN ACCORDANCE WITH F.D.O.T. INDEX 201.
2. CONCRETE TO BE F.D.O.T. CLASS I OR EQUAL. (2,500 PSI MINIMUM STRENGTH)
3. CONSTRUCTION TO BE IN ACCORDANCE WITH F.D.O.T. SPECIFICATION SECTION 425.

TYPE C
RECOMMENDED MAXIMUM PIPE SIZE:
2'-0" WALL-18" PIPE
3'-1" WALL-24" PIPE

HALF SECTION CAST IRON GRATES

INLET "C" DETAIL
N.T.S.

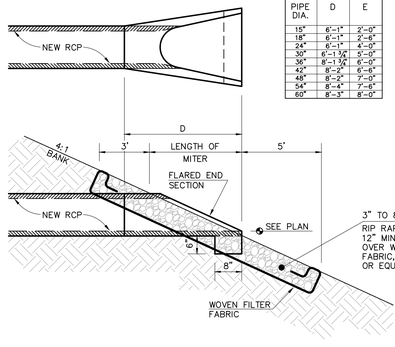
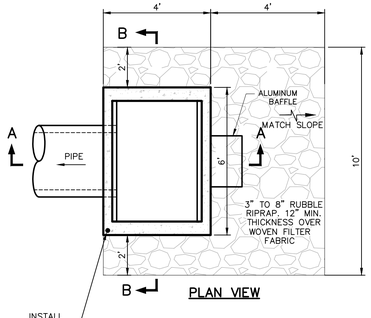
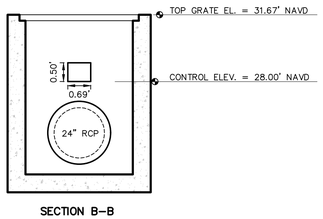


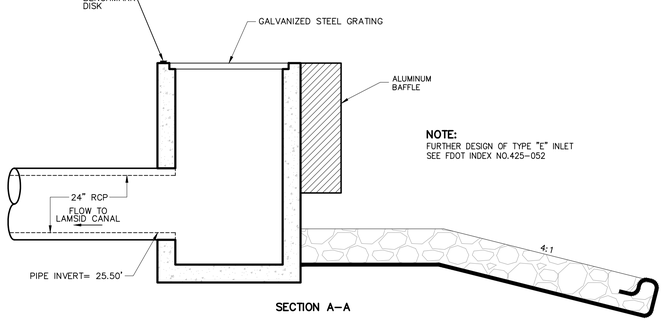
TABLE		
PIPE DIA.	D	E
15"	6'-1"	2'-0"
18"	6'-1"	2'-6"
24"	6'-1"	4'-0"
30"	6'-1 ½"	5'-0"
36"	8'-1½"	6'-0"
42"	8'-2"	6'-6"
48"	8'-2"	7'-0"
54"	8'-4"	7'-6"
60"	8'-3"	8'-0"

NOTES:
1. TYPICAL ALL PIPES INTO LAKES.
2. FLARED END SECTION TO BE IN ACCORDANCE WITH F.D.O.T. INDEX NO. 270.
3. TOE WALL REQUIRED EXCEPT WHEN FLARED END SECTION (F.E.S.) IS BEDDED ON UNDISTURBED ROCK SURFACE.

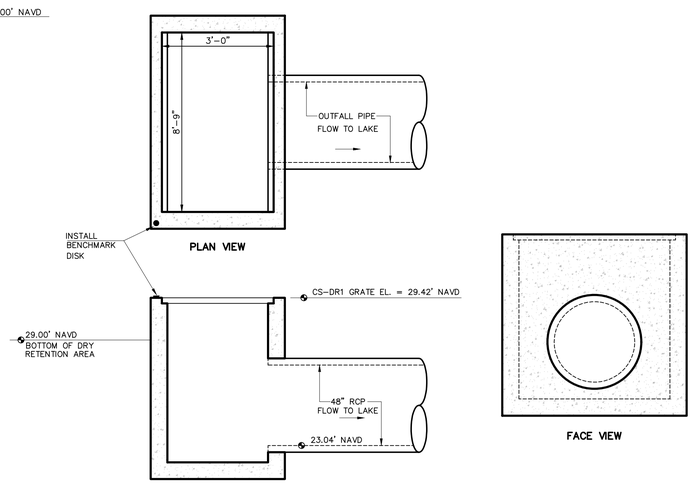
FLARED END SECTION PIPE TREATMENT
N.T.S.



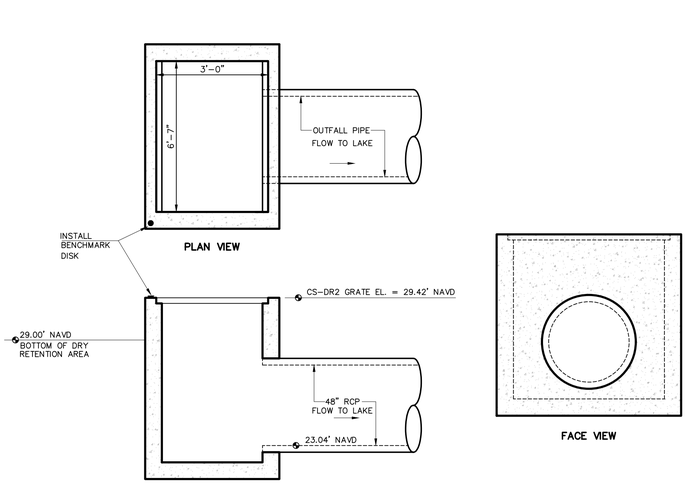




WATER CONTROL STRUCTURE DETAIL
CS-1
N.T.S.



WATER CONTROL STRUCTURE DETAIL
CS-DR1 (MODIFIED TYPE H, 4 GRATE)
N.T.S.



WATER CONTROL STRUCTURE DETAIL
CS-DR2 (MODIFIED TYPE H, 3 GRATE)
N.T.S.

ATWELL
866.850.4200 www.atwell-group.com
10511 SIX MILE CYPRESS PKWY, SUITE101
FORT MYERS, FL 33966
239.939.5490

PAVING, GRADING & DRAINAGE DETAILS 2

BLACKSTONE CORPORATE PARK

LEE COUNTY, FLORIDA

PREPARED FOR: CNL FORT MYERS BLACKSTONE, LLC

NO.	DATE	REVISION DESCRIPTION	BY

811 Know what's below. Call before you dig.

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RACHEL J. TRACEY, P.E.
P.E. LIC. #85322

DRAFTED BY:	DESIGNED BY:	REVIEWED BY:
VZ	RJT	DBA
PROJECT NUMBER: 24003608	COMPLETION DATE: 01/31/2025	SURVEY DATUM: NAVD'88
BOOK AND PAGE:		

SHEET 14

I:\Atwell\Jobs\24xx\24003608 - fort myers blackstone\engineering\dev plans\13 PAVING, GRADING & DRAINAGE DETAILS.dwg, 4/27/2026 10:27:47 PM, VIVIAN ZALESAKOVA, ATWELL, LLC

BLACKSTONE CORPORATE PARK

Stormwater Management Report

Revised March 31, 2026

PREPARED FOR:

CNL Fort Myers Blackstone, LLC
5391 Lakewood Ranch Blvd N Ste 100
Lakewood Ranch, FL 34240

PREPARED BY:

Atwell, LLC
10511 Six Mile Cypress Parkway, Suite 101
Fort Myers, FL 33966

Rachel J. Tracey, P.E.
Florida License No. 85322

TABLE OF CONTENTS

1.0 CONSULTANT'S STORMWATER STAFF REPORT

1.1 Project Overview
1.2 Site Description
1.3 Background
1.4 Ownership, Operation, and Maintenance
1.5 Control Elevation and Tailwater
1.6 Allowable Discharge and Time of Concentration
1.7 FEMA Information
1.8 Storm Events
  1.8.1 SFWMD Storm Events
  1.8.2 FDOT Strom Events
1.9 Water Quantity
1.10 Results
  1.10.1 SFWMD Results
  1.10.2 Proposed Discharge Rate
  1.10.3 Recovery
  1.10.4 One Hundred Year, Zero Discharge
  1.10.5 FDOT Drainage Information
1.11 Nutrient Loading
1.12 Recovery Analysis
1.13 Water Use and Dewatering
1.14 Water and Wastewater Provider

2.0 APPENDIX

A: LAMSID Canal Map
B: Basin Map and Stages
C: Parcel Buildout Assumptions and Site Data
D: Location Map
E: LAMSID Allowable Discharge Rate
F: Time of Concentration and Allowable Discharge
G: FEMA FIRMette
H: NOAA Rainfall Data
I: Water Quantity
J: StormWise Input Summary and Nodal Diagram
K: StormWise Output Reports
L: Recovery Analysis
M: Nutrient Loading Report
N: HUC Map

1.0 CONSULTANT'S STORMWATER STAFF REPORT

Project Name:	Blackstone Corporate Park
Permittee:	CNL Fort Myers Blackstone, LLC 5391 Lakewood Ranch Blvd N Ste 100, Lakewood Ranch, FL 34240
Operating Entity:	Blackstone Corporate Park Property Owners Association, Inc.
Location:	Lee County, FL
Project Land Use:	Commercial
Drainage Basin:	Orange River via Gecko Extension Canal
Special Drainage District:	Lehigh Acres Municipal Services Improvement District (LAMSID) – Gecko Extension Canal
Water Body Classification:	CLASS III
FDEP Water Body ID:	3240K, 3258D3
Conservation Easement to District:	No
Sovereign Submerged Lands:	No
Permit No.:	Modification to Ex ERP 36-110668-P
Application No.:	TBD
Application Type:	Environmental Resource Permit (Major Mod.)

1.1 PROJECT OVERVIEW

This application is a request for a modification to existing ERP 36-110668-P for the development of Blackstone Corporate Park. Per a pre-application meeting with SFWMD Staff on January 13, 2026, this project proposes a modification to the recently approved ERP 36-110668-P. Please note there is a companion minor modification to the same permit, Permit Number 36-110668-P, concurrent with this application for a break away permit for two separate basins with two separate owners. This was discussed at the pre-application meeting. The enclosed permit included two separate drainage basins under one permit for commercial development on the north side and an industrial portion on the south side. This was reviewed with Christophe McAvoy during the pre-application and with associated follow up. This permit also requests update to ownership entity due to recent purchase of the property and slight modifications to the master surface water management system for the north side (Commercial Development).

Requests – This Modification

- Breakaway permits for the northern commercial basin area from the southern industrial area. See enclosed survey and SFWMD plans. North area is 61.78 acres as noted on sheet 2 of SFWMD plans.
- Ownership Update for the northern portion. The property is now owned by CNL Fort Myers Blackstone, LLC. Enclosed are associated documents to support the ownership updates. Please note the southern industrial is separate ownership due to recent purchase of northern parcel by CNL Fort Myers Blackstone, LLC.
- Modification to the master surface water management system for the commercial northern breakaway permit. A slight revision to the layout of the southeastern side has been adjusted. The previous large parcel 2 with a large box store buildout has been removed. The eastern lake has been expanded and parcel 2 is proposed for a much smaller parcel than previous with added lots 16 and 17. Due to lake expansion the site provides enhanced attenuation and a decrease in impervious area due to reduction in previous parcel 2 area. Please see enclosed stormwater management report.

This project includes roadways and stormwater management with discharge southeast of the site to the existing Lehigh Acres Municipal Services Improvement District (LAMSID) Gecko Canal with ultimate discharge to the Orange River. Appendix A includes the LAMSID Canal Map with the project location noted. The proposed project conveys stormwater to one of three dry retention areas prior to discharge to two interconnected wet detention areas. The southeast side of Lake 2 includes the control structure which discharges to the east to the LAMSID canal.

The proposed modification area is split into four sub-basins for modeling in StormWise. Please see Appendix B which provides a Basin Map and the associated stages for each basin. This is also included on the plans notes sheet. The site is split into Site Basin West, Site Basin East, Lake Basin West, and Lake Basin East. Site Basin West includes Parcel 1, Parcels 3 through 8, dry retention areas 1 and 2, and associated roadway. Site Basin East

includes Parcel 2, Parcels 9 through 17 for future buildout, dry retention area 3, and associated roadways. Parcel 1 is proposed to support a large box store development with a maximum percent impervious of 90%. Parcels 2 through 17 are smaller parcels and are allotted 80% impervious area at buildout. Please see Appendix C for additional details of the buildout assumptions for the parcels and site data for Site Basin West and Site Basin East. Please note the preserve area is outside the stormwater basin.

Site Basin West is conveyed via interconnected inlets to dry retention areas 1 and 2. Lakes 1 and 2 are interconnected with a control structure at the east side of lake 2 with discharge to the existing LAMSID Canal.

At time of buildout Parcel 1 will be required to convey stormwater to dry retention 1 and/or 2. This information is noted on the Master Drainage Plan in the bottom right corner of the sheet.

Offsite improvements in the SR 82 Right of Way will be coordinated with FDOT under an FDOT drainage and access permit via an offsite plan set and are not requested under this cover. Associated offsite improvements in the Blackstone Drive Right of Way are being coordinated with LeeDOT under separate off-site plans and cover as well. The proposed improvements in those two right of ways are shown for coordination purposes only. The site does provide compensating water treatment for offsite improvements. See Appendix M for nutrient loading report.

1.2 SITE DESCRIPTION

The property is located at the southeast intersection of State Road 82 (FDOT ROW) and Blackstone Drive (Lee County ROW) in Lee County. A Location Map is enclosed in Appendix D.

1.3 BACKGROUND

This application is a request for a modification to the existing Permit #36-110668-P; Application Number 250221-50419 with a corrected copy issued February 2, 2026. Please note this ERP requests approval for modification and construction of 61.78 acres on site and 5.83 acres of off-site proposed preserve to the south. The existing ERP permitted 61.78 acres. For the commercial development on north side. A separate breakout permit for the industrial southern portion is proposed via minor modification concurrent with this application as was discussed with SFWMD staff.

1.4 OWNERSHIP, OPERATION, AND MAINTENANCE

Perpetual operation and maintenance of the stormwater management system will be the responsibility of Blackstone Corporate Pak Property Owner's Association, Inc.

1.5 CONTROL ELEVATION AND TAILWATER

The existing ERP established the control elevation of 28.0 FT-NAVD and it is proposed to remain at 28.0 FT-NAVD. The site discharges to the LAMSID Gecko Extension Canal. The Canal wraps around to the northwest where a controlling weir is located called S-ML-1B. See Exhibit A for additional details. The existing ERP established a peak elevation for the tailwater at 28.90 FT-NAVD which is 0.90 feet above control. This modification holds assumption and used the information in below table for the model.

Time (Hours)	Stage (FT-NAVD)
0.0	28.00
72.0	28.90
360.0	28.00

1.6 ALLOWABLE DISCHARGE RATE AND TIME OF CONCENTRATION

The site discharges to the LAMSID Canal and LAMSID has an allowable discharge rate of 30.1 cubic feet per second per square mile. Please see Appendix E for the LAMSID criteria. Based on a basin area of 58.18 acres the allowable discharge is 2.73 cfs. Please see Appendix F for detailed calculations.

Time of Concentration Calculation for each sub-basin are also listed on Appendix F with the minimum 10 minutes used as required by FDOT.

1.7 FEMA INFORMATION

The project site is located in FEMA Zone X per Panel 12071C0475F effective 8.28.2008. A copy of the FIRMette is in Appendix G.

1.8 STORM EVENTS

1.8.1 SFWMD STORM EVENTS

The original ERP application number 240321-42964 ERP used the SFWMD 5 year/1 day, 10 year/1 day, 25 year/3 day, and 100 year/3 day events based on NOAA site specific data of 5.83", 6.96", 10.80", and 14.30" respectively. The NOAA site specific data from Today's conditions were reviewed and are in substantial compliance with the amounts in the existing ERP. Therefore, for the above rainfall events those values were held. Below is summary chart and enclosed is the current NOAA data in Appendix H.

SFWMD Storm Events	
Storm Event	Rainfall Amount (inches)
5 year, 1 day	5.83
10 year, 1 day	6.96
25 year, 3 day	10.80
100 year, 3 day	14.30

1.8.2 FDOT STORM EVENTS

The site abuts a Florida Department of Transportation (FDOT) right of way on the north side which requires an FDOT drainage exception permit. FDOT requires the 100 year FDOT storm events be modeled and the FDOT 100 year critical elevation be noted for the project. The required six FDOT 100 year storm events were run and the critical elevation determined to be 31.97 FT-NAVD. Below is a summary of the FDOT 100 year storm events with the associated rainfall amounts taken from NOAA site specific data. Appendix I provides the NOAA information for reference.

FDOT 100 year Rainfall Events (Drainage Exception Permitting)	
Duration	Rainfall (inches)
1 Hour	4.29
2 Hour	5.33
4 Hour	6.46
8 Hour	8.41
24 Hour	11.5
72 Hour	14.3

1.9 WATER QUANITITY

StormWise was used to model the stormwater management system. As noted in the project overview the site is split into four sub-basins. Please see additional information in the project overview section on Site Basin West, Site Basin East, Lake Basin West, and Lake Basin East. Appendix I provides the water quantity sheets used to support the modeling for each.

1.10 RESULTS

1.10.1 SFWMD Results

The results of the model and associated basin map are enclosed in Appendix B and noted on the Notes Sheet of the plans. Please also see Appendix J for the StormWise Input Summary Report with Nodal Diagram and Appendix K for the StormWise output reports.

1.10.2 Proposed Discharge Rate

The site meets the required discharge rate as it discharges 2.72 cfs for the 25 year, 3 day event which is less than allowable 2.73 cfs.

1.10.3 Recovery

The node time series in the output reports notes the site recovered to 28.29 FT-NAVD. This elevation was used as the initial stage in back to back 25 year, 3 day storm events. The perimeter berm for SFWMD is set above the node maximum of the back to back storm events. The inputs summary, node time series, and node maximums are included in the output reports in the Appendix.

1.10.4 One Hundred Year, Zero Discharge Storm Event

The 100 year link discharge is enclosed noting the storm was run with zero discharge. The minimum finished floor elevation is this evaluation as the site is in FEMA Zone X.

1.10.5 FDOT Drainage Exception Results

The FDOT 100 year critical storm event was determined to be 31.97 FT-NAVD. Abutting SR 82 a five foot flat top berm is required on green space at a minimum of one foot above the critical storm event. Six inches is required above this storm event on a hardened structure and 3 inches on a case by case basis as determined by FDOT. Please see Appendix K for output report of the 100 year events.

1.11 NUTRIENT LOADING

BMP Trains was used to analyze the nutrient loading discharge during pre-development and compare it during post-development to show the proposed project provides no adverse impact to the downstream water body, pursuant to Section 8.3 of the ERP AH Vol. I. Performance criteria was also analyzed and is detailed in this section with a summary table.

I. Project Description

Blackstone Corporate Park development consists of 17 commercial parcels with associated infrastructure and parking. The site will provide the required nutrient reduction via an exfiltration trench, dry retention ponds, and two lakes. Stormwater runoff will be routed to dry retention ponds first, before being conveyed to the lakes. An exfiltration trench is included and treats stormwater from Lake 1, it was also was placed on the west side of the site via coordination with SFWMD staff under ERP application number 250221-50419 to provide hydration to existing wetland to the west. The dry retention areas will contain a control structure with a grate elevation at the required retention elevation to provide required volume per BMP Trains model. The site does provide compensating nutrient loading for offsite improvements which is shown in the nutrient loading report as “Catchment 2: Offsite Compensation”. Please refer to Appendix M for the Nutrient Loading Report.

Although the site is identified within the Estero Basin based on GIS data, the downstream outfall associated with the Gecko Canal watershed is to the Caloosahatchee River, as depicted on the LAMSID Canal Map. A copy of the LAMSID canal map is in Appendix A. The stormwater from the site ultimately goes to the Caloosahatchee not Estero Bay. Also, see appendix N for existing HUC map.

II. Project Characteristics

a. Type of Project: High-Intensity Commercial
b. Location: Lee County
c. HUC 12: 030902050604
d. Development within an Impaired Basin: Yes
    i. WBID: 3240K
    ii. Impairment: Dissolved Oxygen
    iii. Impairment Watershed Downstream: Caloosahatchee River
    iv. OFW Downstream: No

III. Water Quality Treatment Criteria Pursuant to Section 8.3.4, ERP AH Vol. I

a. TP Reduction = 80%
b. TN Reduction = 80%
c. Post-Development < Pre-Development

IV. Pre-Development Analysis

The BMP Trains analysis is consistent with the existing ERP, the land use for pre-development is general agriculture. The HSG is D Pre and Post. Pursuant to section 9.9.2, Table 9.2, of the ERP AH Vol. I, the BMP Trains nutrient loading option for a User Defined Value was used to represent the loading rates. The land use and CNs for the pre-development was input into the BMP Trains program. They are provided in the tables below.

Site Basin Catchment

Land Use	BMP Trains Land Use	CN	Area	TN (mg/L)	TP (mg/L)
General Agricultural	User Defined Values	86.00	58.18	2.290	0.381

The surface water management provides compensating nutrient loading for offsite improvements on SR82 Blackstone Drive and Parkdale Blvd. 1.96 acres of impervious road is taken for the compensation area. A curve number of 86 is used for HSG D and land use of roadway.

Compensating Nutrient Loading Catchment
(Offsite Roadway Improvements)

Land Use	BMP Trains Land Use	CN	Area	TN (mg/L)	TP (mg/L)
Highway	User Defined Values	86.00	1.96	1.250	0.173

Please refer to section Appendix M for the nutrient loading analysis pre-development inputs and results.

V. Post Development Analysis

The land use of the developed project site is high intensity commercial. These areas were determined by the land use table and were input into the Treatment Trains program. Pursuant to section 9.9.2, Table 9.2, of the ERP AH Vol. I, the BMP Trains nutrient loading option for a User Defined Value was used to represent the loading rates. The BMP Trains land use with single nutrient loading rate, and CNs for the post development land uses input into the BMP Trains program are provided in the tables below, while the software calculated the composite CN, runoff coefficients, and yearly loading rates for both nutrients.

Offsite road compensation is taken as 100% impervious.

Site Basin Catchment

Land Use	BMP Trains Land Use	Non DCIA CN	DCIA (%)	Area	TN (mg/L)	TP (mg/L)
High Intensity Commercial	User Defined Values	88.60	61.20	58.18	2.400	0.345

Compensating Nutrient Loading Catchment
(Offsite Roadway Improvements)

Land Use	BMP Trains Land Use	Non DCIA CN (%)	DCIA CN (%)	Area	TN (mg/L)	TP (mg/L)
Highway	User Defined Values	86.00	100	1.96	1.250	0.173

Please refer to Appendix L for the nutrient loading analysis post development inputs and results.

VI. Nutrient Analysis Summary

The site will adhere to both the required post development less than predevelopment and 80 % / 80% reduction. In this case 80% / 80% governs.

The table below summarizes the result of the findings which is the total for the site basin and offsite catchments. Please refer to Appendix M for the full BMP Trains report.

Nitrogen		Phosphorus	
Pre-Development Annual Mass Loading	147.252 kg/yr	Pre-Development Annual Mass Loading	24.425 kg/yr
Post-Development Annual Mass Loading (W/O BMPs)	396.734 kg/yr	Post-Development Annual Mass Loading (W/O BMPs)	56.971 kg/yr
Required Pre/Post Reduction	63%	Required Pre/Post Reduction	57%
Required Load Reduction	80% and Pre/Post (80% Governs)	Required Load Reduction	80% and Pre/Post (80% Governs)
Total Provided Load Reduction	80%	Total Provided Load Reduction	96%
Post-Development Load (W/ BMPs)	79.38 kg/yr	Post-Development Load (W/ BMPs)	2.19 kg/yr
Total Load Removed	317.36 kg/yr	Total Load Removed	54.78 kg/yr

1.12 RECOVERY ANALYSIS

As dry retention is proposed a slug load analysis was conducted and Appendix L includes details. The analysis was run for each of the 3 retention areas and shows recovery in less than 72 hours.

1.13 WATER USE AND DEWATERING PERMIT STATUS

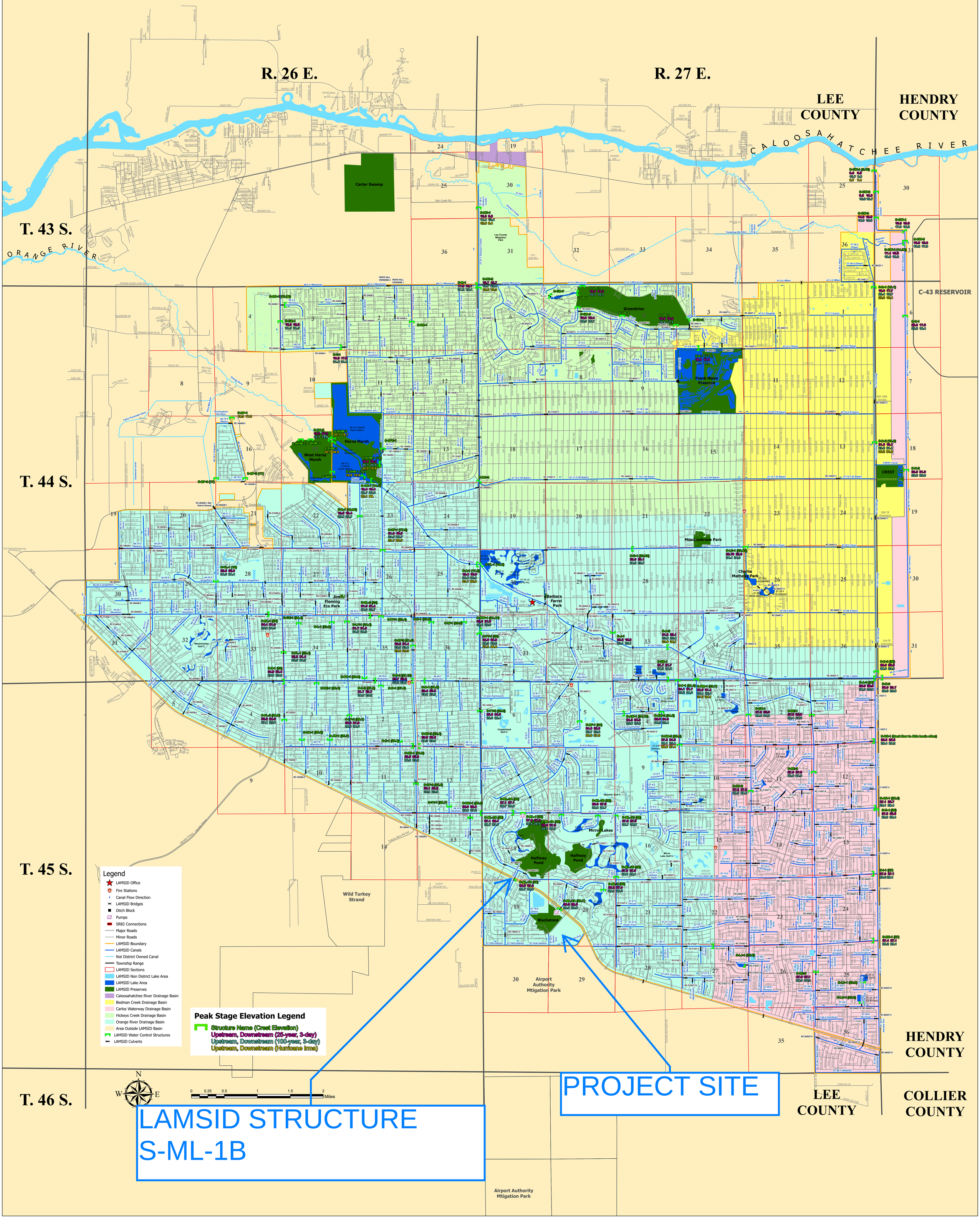
A water use and dewatering permit modification will be applied for concurrent with this application. Irrigation is proposed via well and on-site lakes. Dewatering will be required for the lakes and utility installation.

1.14 WATER AND WASTEWATER SERVICE

Florida Governmental Utility Authority (FGUA) provides water and sewer to the project. A copy of the letter of availability is enclosed in the submittal package.

Appendix A: LAMSID Canal Map

LEHIGH ACRES - MUNICIPAL SERVICES IMPROVEMENT DISTRICT



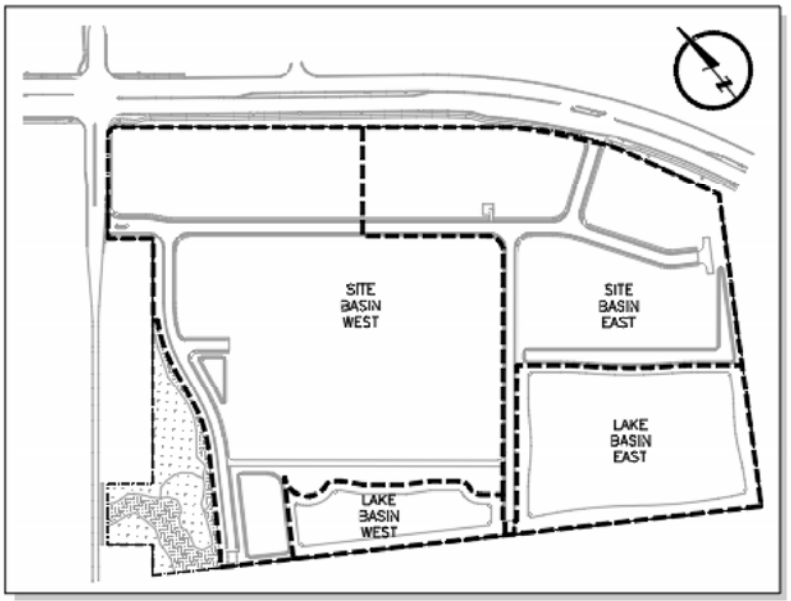
Appendix B: Basin Map and Stages

SFWMD RAINFALL:

STORM	INCHES
5 YEAR, 1 DAY RAINFALL	5.83
10 YEAR, 1 DAY RAINFALL	6.96
25 YEAR, 3 DAY RAINFALL	10.80
100 YEAR, 3 DAY RAINFALL	14.30

DISCHARGE:

ALLOWABLE DISCHARGE	2.73 CFS
PROPOSED DISCHARGE	2.72 CFS



BASIN MAP
N.T.S.

SURFACE WATER MANAGEMENT SUMMARY:

		SITE BASIN WEST (FT-NAVD)	SITE BASIN EAST (FT-NAVD)	LAKE BASIN WEST (FT-NAVD)	LAKE BASIN EAST (FT-NAVD)
PEAK STAGES	SFWMD 5 YEAR, 1 DAY PEAK STAGE	30.36	30.27	30.27	30.27
	SFWMD 10 YEAR, 1 DAY PEAK STAGE (PARKING LOT)	30.70	30.69	30.69	30.69
	SFWMD 25 YEAR, 3 DAY PEAK STAGE (PERIMETER BERM)	31.63	31.62	31.62	31.62
	SFWMD 25 YEAR, 3 DAY BACK TO BACK PEAK STAGE (PERIMETER BERM)	31.67	31 66	31.66	31 66
	SFWMD 100 YEAR, ZERO DISCHARGE PEAK STAGE (FINISHED FLOOR)	32.32	32.32	32.32	32.32
	FDOT 100 YEAR CRITICAL PEAK STAGES	31.97	31.97	31.97	31.97
DESIGN ELEVATIONS	MINIMUM ROAD (BASED ON 10 YEAR, 1 DAY)	30.70	30.70	30.70	30.70
	SFWMD MINIMUM PERIMETER BERM (BASED ON 25 YEAR, 3 DAY BACK TO BACK)	31.7	31.7	31.7	31.7
	FDOT MINIMUM PERIMETER BERM - GREEN SPACE BERM (BASED ON 1 FT ABOVE FDOT 100 YEAR CRITICAL)	33.0	33.0	33.0	33.0
	FDOT MINIMUM PERIMITER BERM - HARDENED STRUCTURE (BASED ON 6" ABOVE 100 YEAR FDOT 100 YEAR CRITICAL)	32.47	32.47	32.47	32.47
	MINIMUM FINISHED FLOOR ELEVATION (BASED ON 100 YEAR, 3 DAY ZERO DISCHARGE)	32.32	32.32	32.32	32.32

FEMA: ZONE X PER PANEL 12071C0475F

Appendix C: Parcel Buildout Assumptions and Site Data

Site Basin West Buildout Assumptions

Site Basin West- Parcels 1, Parcels 3 through 8 assumed land use

Parcel 1 (Box Store)

	Parcel Area (acres)	Building Area (acres)	Pavement/Concrete (assume total 90% total impervious)	Open Space (acres)	Percent Impervious	Percent Pervious
Parcel 1	16.74	4.35	10.71	1.68	90.0%	10.0%

Parcels 3 through 7

Number	Parcel Area (acres)	Building Area (acres)	Pavement/Concrete (assume total 80% total impervious)	Total Impervious Area	Open Space (acres)	Percent Impervious
Parcel 3	1.60	0.19	1.09	1.28	0.32	80.0%
Parcel 4	1.31	0.17	0.88	1.05	0.26	80.0%
Parcel 5	1.07	0.12	0.74	0.86	0.21	80.0%
Parcel 6	1.25	0.15	0.85	1.00	0.25	80.0%
Parcel 7	1.06	0.13	0.72	0.85	0.21	80.0%
Parcel 8	1.08	0.13	0.73	0.86	0.22	80.0%

Parcel Totals 1 through 8	Building Area (acres)	Pavement/Concrete (assume total 80% total impervious)	Open Space (acres)
	5.24	15.72	3.15

Pavement ROW	1.87	ac
Sidewalk ROW	0.44	ac

Building Area (Future Parcels)	5.24	ac
Pavement/Concrete (Pavement ROW, Sidewalk ROW, Pavement/Concrete Parcels)	18.03	ac
Dry Retention Bottom	0.93	ac
Dry Retention Bank	0.22	ac
Open Space	4.59	ac
Total Site Basin West	29.01	ac

Site Basin East Buildout Assumptions

Site Basin East -Parcels A, 2B, 2C, Parcels 9 through 15, & FGUA Parcel

	Parcel Area (acres)	Building Area (acres)	Pavement/Concrete (acres) (assume total 80% total impervious)	Open Space (acres)	Percent Impervious	Percent Pervious
Parcel 2	2.48	0.35	1.63	0.50	80.0%	20.0%
Parcel 17	1.04	0.15	0.68	0.21	80.0%	20.0%
Parcel 16	1.07	0.15	0.71	0.21	80.0%	20.0%

Parcels 9 through 15 and FGUA Parcel

Number	Parcel Area (acres)	Building Area (acres)	Pavement/Concrete (acres) (assume total 80% total impervious)	Total Impervious Area	Open Space (acres)	Percent Impervious
Parcel 9	0.97	0.12	0.66	0.78	0.19	80.0%
Parcel 10	0.98	0.12	0.66	0.78	0.20	80.0%
Parcel 11	1.15	0.14	0.78	0.92	0.23	80.0%
Parcel 12	1.59	0.20	1.07	1.27	0.32	80.0%
Parcel 13	1.12	0.14	0.76	0.90	0.22	80.0%
Parcel 14	0.75	0.09	0.51	0.60	0.15	80.0%
Parcel 15	0.68	0.08	0.46	0.54	0.14	80.0%
FGUA Parcel	0.10	-	0.03	0.03	0.07	30.0%

Parcel Totals 2A-2C, 9-15, and FGUA Parcel	Building Area (acres)	Pavement/Concrete (assume total 80% total impervious)	Open Space (acres)
	1.54	7.95	2.44

Pavement ROW	2.21	ac
Sidewalk ROW	0.63	ac

Building Area (Future Parcels)	1.540	ac
Pavement/Concrete (Pavement ROW, Sidewalk ROW, Pavement/Concrete Parcels)	10.794	ac
Dry Retention Bottom	0.750	ac
Dry Retention Bank	0.360	ac
Open Space	3.246	ac
Total Site Basin East	16.690	ac

Appendix D: Location Map



ATWELL
866.850.4200 www.atwell-group.com
10511 SIX MILE CYPRESS PKWY, SUITE101
FORT MYERS, FL 33966
239.939.5490

LOCATION MAP

BLACKSTONE CORPORATE PARK

LEE COUNTY

COMPLETION DATE:	PROJECT:	DRAFTED BY:	DESIGNED BY:	REVIEWED BY:	SHEET:
1/16/2025	24003608				1

S:\Atwell\Jobs\24xx\24003608 - Fort Myers Blackstone\Engineering\Exhibits\Location Map.dwg, 1/16/2025 2:53:22 PM, HALIM CAMEJO, ATWELL, LLC

Appendix E: LAMSID Allowable Discharge Rate

3. **Maximum Discharge Criteria:** Allowable discharge limits apply to all developments and/or road improvements as defined in the current LA-MSID Water Control Plan as summarized below:

    - All developments within the Lehigh Acres Municipal Services Improvement District shall be limited to a maximum discharge rate of **30.1 CSM (cubic feet per second per square mile)** for the 25-year, 3- day SFWMD design storm event, unless otherwise approved by the LA-MSID Board of Commissioners.

      Note: As the minimum bleeder diameter is 3 inches, exceedance of the maximum 30.1 CSM discharge rate is acceptable for systems where a single 3-inch diameter bleeder is proposed as the sole outfall capable of containing the 25-year, 3-day design storm within the proposed development.

    - **Culvert Design Criteria:** Discharge pipes shall be reinforced concrete pipe (RCP) unless approved otherwise by the District Engineer and District Manager.

      Discharge culvert sizes, locations, and elevations are subject to the District Engineer's review and LA-MSID's approval. The discharge orifice invert elevation shall be above the control elevation in the receiving LA-MSID water management facility.

      Pipe culvert ends shall be blended/mitered to match the existing canal slope (or other receiving LA-MSID water management facility) so as not to extend into the effective flow cross-sectional area. Erosion control (such as rip-rap) must be placed per FDOT Specifications at the culvert outlet to prevent erosion to the receiving LA-MSID water management facility's bank. Discharge culverts within the District's rights-of-way must be clearly marked with a sign or marker approved by District Staff, shall be maintained by the project owner or association, and must have legal rights for construction, use, maintenance, and replacement.

      All abandoned Asbestos Cement (AC) pipe is required to be removed from LA-MSID Canal rights-of-way. Abandoned in place will not be allowed on District owned property.

4. **Minimum Design Elevation Criteria:** The Drainage Calculations shall include stormwater modeling of design storm events to demonstrate compliance with the minimum design elevation criteria below, which shall include assurance of reasonable peak-stage recovery times and consideration of tailwater conditions:

    - **Minimum Road & Parking Track Elevations:**
        - Above the 10-year, 1-day design storm peak stage elevation
        - Assure reasonable stage recovery times

    - **Minimum Perimeter Berm Elevation:**
        - Above the 25-year, 3-day design storm peak stage elevation

    - **Minimum Finished Floor Elevations:**
        - Above the 100-year, 3-day design storm peak stage elevation
        - Assure consideration of computed and/or previously experienced high-water levels external to the project

    Note: The "Peak Stage Elevation" map can be referenced as a guidance-only source for reviewing previously documented experienced high-water levels external to the project; however, data is generalized and not available at all locations. Localized drainage issues can impact anticipated system recovery times. The design engineer shall be responsible for the design elevation criteria determination.

Appendix F: Time of Concentration and Allowable Discharge Calculations

Blackstone Corporate Park

Time of Concentration Calculation
tc=2*(Total Basin Area/640)^.5

Item	Site Basin West	Site Basin East	Lake Basin West	Lake Basin East
Area	29.01	16.69	3.28	9.20
Tc	25.5	19.4	8.6	14.4
			*Use min 10 min	

Allowable Discharge

Site Discharges to the East to the Lehigh Acres Municipal Services Improvement District (LAMSID) Gecko Canal.
Per Section 4.28 of LAMSID Permitting Policies, Design Criteria, the maximum allowable discharge is 30.1 CSM (cubic feet per second per square mile)

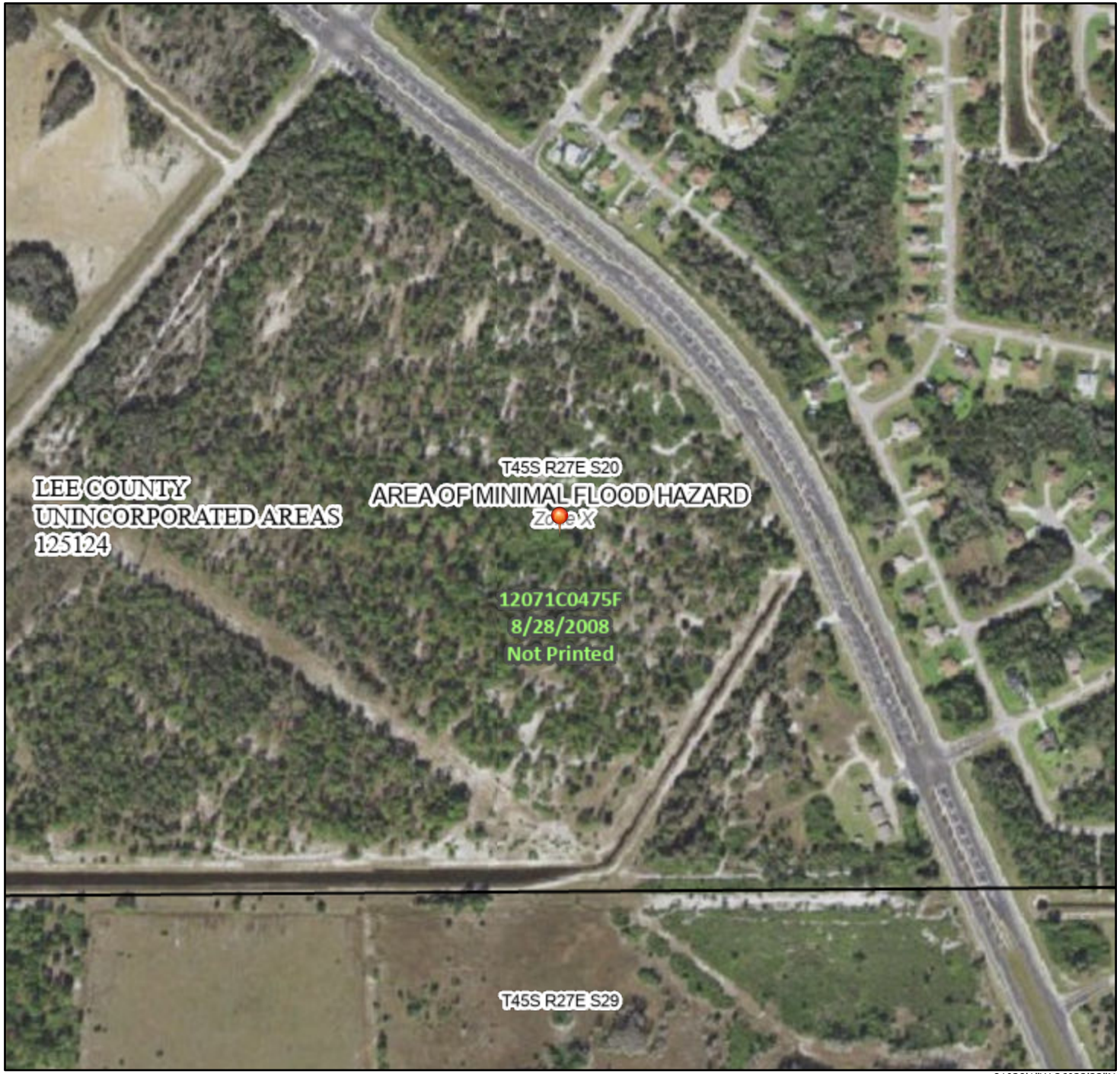
30.1 CSM =	0.047	cfs/acre
SWM Basin Area =	58.18	acres
Allowable Discharge =	2.73	cfs

Appendix G: FEMA FIRMette

National Flood Hazard Layer FIRMette

FEMA

81°38'38"W 26°32'54"N



81°38'1"W 26°32'22"N

0 250 500 1,000 1,500 2,000 Feet

1:6,000

Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 / 17.5 Cross Sections with 1% Annual Chance / Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 12/26/2024 at 7:01 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

Appendix H: NOAA Rainfall Data

General Information
Homepage
Progress Reports
FAQ
Glossary

Precipitation Frequency
Data Server
GIS Grids
Maps
Time Series
Temporals
Documents

Probable Maximum Precipitation
Documents

Miscellaneous
Publications
Storm Analysis
Record Precipitation

Contact Us
Inquiries

NOAA ATLAS 14 POINT PRECIPITATION FREQUENCY ESTIMATES: FL

Data description

Data type: Precipitation depth **Units:** English **Time series type:** Partial duration

Select location

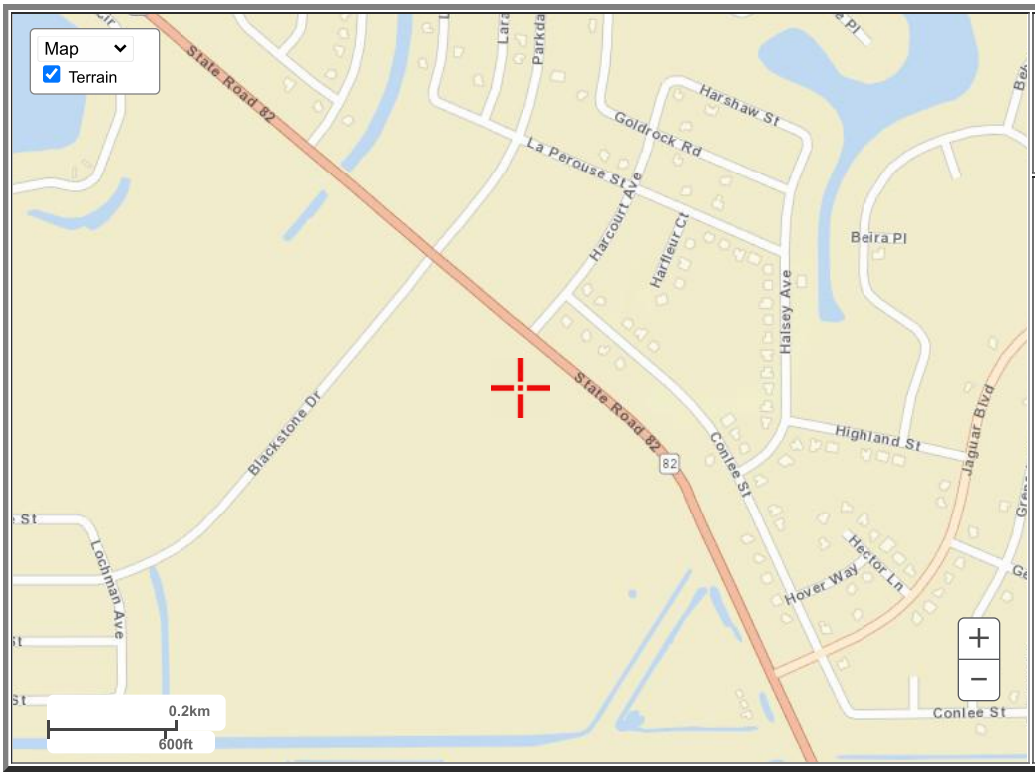
1) Manually:

a) By location (decimal degrees, use "-" for S and W): Latitude: Longitude: Submit

b) By station (list of FL stations): Select station

c) By address BLACKSTONE DRIVE, FORT MYERS

2) Use map:



a) Select location
Move crosshair or double click

b) Click on station icon
Show stations on map

Location information:
Name: Fort Myers, Florida, USA*
Latitude: 26.5461°
Longitude: -81.6394°
Elevation: 28 ft **

* Source: ESRI Maps
** Source: USGS

POINT PRECIPITATION FREQUENCY (PF) ESTIMATES

WITH 90% CONFIDENCE INTERVALS AND SUPPLEMENTARY INFORMATION
NOAA Atlas 14, Volume 9, Version 2

PF tabular | PF graphical | Supplementary information | Print page

PDS-based precipitation frequency estimates with 90% confidence intervals (in inches)[1]

Duration	Average recurrence interval (years)									
	1	2	5	10	25	50	100	200	500	1000
5-min	**0.551** (0.445-0.693)	**0.621** (0.501-0.782)	**0.734** (0.591-0.928)	**0.829** (0.663-1.05)	**0.958** (0.740-1.26)	**1.06** (0.799-1.42)	**1.16** (0.844-1.60)	**1.26** (0.880-1.80)	**1.39** (0.936-2.05)	**1.49** (0.978-2.25)
10-min	**0.807** (0.652-1.02)	**0.909** (0.734-1.14)	**1.08** (0.865-1.36)	**1.21** (0.970-1.54)	**1.40** (1.08-1.84)	**1.55** (1.17-2.07)	**1.69** (1.24-2.34)	**1.84** (1.29-2.63)	**2.04** (1.37-3.01)	**2.18** (1.43-3.29)
15-min	**0.984** (0.795-1.24)	**1.11** (0.895-1.40)	**1.31** (1.06-1.66)	**1.48** (1.18-1.88)	**1.71** (1.32-2.25)	**1.89** (1.43-2.53)	**2.07** (1.51-2.85)	**2.25** (1.57-3.21)	**2.48** (1.67-3.67)	**2.66** (1.75-4.02)
30-min	**1.55** (1.25-1.95)	**1.74** (1.41-2.20)	**2.06** (1.66-2.61)	**2.33** (1.86-2.96)	**2.69** (2.08-3.54)	**2.97** (2.24-3.97)	**3.24** (2.37-4.48)	**3.52** (2.47-5.03)	**3.89** (2.62-5.75)	**4.17** (2.74-6.29)
60-min	**2.04** (1.65-2.57)	**2.30** (1.86-2.89)	**2.71** (2.18-3.43)	**3.06** (2.45-3.89)	**3.54** (2.74-4.66)	**3.91** (2.96-5.25)	**4.29** (3.13-5.92)	**4.67** (3.27-6.67)	**5.18** (3.49-7.66)	**5.57** (3.65-8.40)
2-hr	**2.54** (2.06-3.18)	**2.85** (2.31-3.57)	**3.36** (2.72-4.22)	**3.79** (3.05-4.78)	**4.39** (3.42-5.75)	**4.86** (3.69-6.48)	**5.33** (3.92-7.32)	**5.82** (4.10-8.26)	**6.47** (4.39-9.51)	**6.97** (4.60-10.4)
3-hr	**2.76** (2.25-3.44)	**3.10** (2.52-3.87)	**3.68** (2.98-4.60)	**4.17** (3.36-5.24)	**4.86** (3.80-6.35)	**5.41** (4.13-7.19)	**5.96** (4.40-8.18)	**6.54** (4.64-9.28)	**7.33** (5.00-10.7)	**7.94** (5.27-11.9)

6-hr	**3.09** (2.53-3.82)	**3.54** (2.89-4.38)	**4.30** (3.50-5.34)	**4.95** (4.01-6.19)	**5.90** (4.64-7.69)	**6.66** (5.12-8.83)	**7.45** (5.54-10.2)	**8.28** (5.91-11.7)	**9.42** (6.47-13.8)	**10.3** (6.90-15.3)
12-hr	**3.41** (2.80-4.19)	**4.02** (3.30-4.94)	**5.06** (4.14-6.24)	**5.97** (4.86-7.41)	**7.30** (5.78-9.50)	**8.39** (6.48-11.1)	**9.52** (7.12-13.0)	**10.7** (7.71-15.1)	**12.4** (8.58-18.0)	**13.7** (9.24-20.2)
24-hr	**3.90** (3.22-4.76)	**4.60** (3.79-5.62)	**5.83** (4.80-7.15)	**6.94** (5.68-8.56)	**8.61** (6.88-11.2)	**10.0** (7.79-13.2)	**11.5** (8.65-15.6)	**13.1** (9.47-18.3)	**15.3** (10.7-22.2)	**17.1** (11.6-25.1)
2-day	**4.67** (3.88-5.66)	**5.37** (4.45-6.52)	**6.66** (5.50-8.11)	**7.86** (6.46-9.62)	**9.70** (7.82-12.6)	**11.3** (8.85-14.8)	**13.0** (9.86-17.5)	**14.8** (10.8-20.7)	**17.5** (12.3-25.2)	**19.7** (13.5-28.7)
3-day	**5.18** (4.31-6.25)	**5.99** (4.98-7.24)	**7.44** (6.17-9.03)	**8.77** (7.23-10.7)	**10.8** (8.69-13.9)	**12.5** (9.80-16.3)	**14.3** (10.9-19.2)	**16.2** (11.9-22.5)	**19.0** (13.4-27.2)	**21.2** (14.6-30.8)
4-day	**5.63** (4.69-6.78)	**6.53** (5.44-7.87)	**8.11** (6.74-9.82)	**9.53** (7.87-11.6)	**11.6** (9.39-14.9)	**13.4** (10.5-17.4)	**15.2** (11.6-20.3)	**17.2** (12.6-23.8)	**20.0** (14.1-28.5)	**22.2** (15.3-32.1)
7-day	**6.96** (5.82-8.34)	**7.94** (6.64-9.53)	**9.64** (8.04-11.6)	**11.1** (9.22-13.5)	**13.3** (10.7-16.8)	**15.0** (11.9-19.3)	**16.9** (12.9-22.4)	**18.8** (13.9-25.8)	**21.5** (15.3-30.4)	**23.6** (16.4-34.0)
10-day	**8.21** (6.89-9.81)	**9.23** (7.74-11.0)	**11.0** (9.16-13.1)	**12.5** (10.4-15.0)	**14.6** (11.8-18.3)	**16.3** (12.9-20.9)	**18.1** (13.9-23.8)	**20.0** (14.8-27.2)	**22.5** (16.1-31.8)	**24.6** (17.1-35.2)
20-day	**11.8** (9.98-14.0)	**13.0** (11.0-15.5)	**15.0** (12.6-17.8)	**16.6** (13.8-19.8)	**18.8** (15.2-23.2)	**20.5** (16.2-25.8)	**22.1** (17.0-28.8)	**23.8** (17.7-32.0)	**26.1** (18.7-36.3)	**27.7** (19.4-39.4)
30-day	**14.8** (12.6-17.5)	**16.3** (13.8-19.2)	**18.5** (15.6-22.0)	**20.4** (17.1-24.3)	**22.7** (18.4-27.9)	**24.5** (19.5-30.7)	**26.2** (20.2-33.8)	**27.8** (20.7-37.1)	**29.9** (21.5-41.3)	**31.3** (22.0-44.4)
45-day	**18.6** (15.8-21.9)	**20.5** (17.3-24.1)	**23.3** (19.7-27.5)	**25.5** (21.4-30.3)	**28.3** (23.0-34.4)	**30.2** (24.1-37.6)	**32.1** (24.8-41.1)	**33.7** (25.1-44.7)	**35.7** (25.7-48.9)	**37.0** (26.1-52.2)
60-day	**21.8** (18.6-25.6)	**24.1** (20.4-28.3)	**27.5** (23.3-32.4)	**30.1** (25.4-35.7)	**33.3** (27.1-40.4)	**35.6** (28.4-44.0)	**37.5** (29.1-47.9)	**39.3** (29.3-51.8)	**41.3** (29.8-56.4)	**42.5** (30.1-59.8)

[1] Precipitation frequency (PF) estimates in this table are based on frequency analysis of partial duration series (PDS).

Numbers in parenthesis are PF estimates at lower and upper bounds of the 90% confidence interval. The probability that precipitation frequency estimates (for a given duration and average recurrence interval) will be greater than the upper bound (or less than the lower bound) is 5%. Estimates at upper bounds are not checked against probable maximum precipitation (PMP) estimates and may be higher than currently valid PMP values.

Please refer to NOAA Atlas 14 document for more information.

Estimates from the table in CSV format: Precipitation frequency estimates Submit

Main Link Categories:
Home | OWP

US Department of Commerce
National Oceanic and Atmospheric Administration
National Weather Service
Office of Water Prediction (OWP)
1325 East West Highway
Silver Spring, MD 20910
Page Author: HDSC webmaster
Page last modified: April 21, 2017

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Appendix I: Water Quantity

Blackstone Corporate Park - Site Basin West

Water Quantity Spreadsheet	
Lake Control (FT-NAVD)	28.00
Dry Retention Bottom (FT-NAVD)	29.00
Lake-TOB (FT-NAVD)	31.00
Parking (FT-NAVD)	32.00
Roads and 2nd Break (FT-NAVD)	32.75
Finished Floor (FT-NAVD)	33.50
Lake	
Area (AC)	0.00
Dry Retention Bottom	
Area (AC)	0.93
Dry Retention Bank	
Area (AC)	0.22
Open	
Area (AC)	4.59
Parking and Roadway	
Area (AC)	18.03
Finished Floor	
Area (AC)	5.24
Total Acres	29.01

Stage (FT-NAVD)	Area (AC)	Storage (AC-FT)
28.00	0.00	0.00
29.00	0.93	0.00
31.00	1.15	2.08
32.00	12.46	8.89
32.75	22.62	22.04
33.50	23.77	39.44

Impervious Area Finished Floor + Parking and Roadway

23.27 ac

80.2%

DCIA 23.27 ac

80.2%

Composite CN Used (As Required by FDOT)

FDOT Requires Composite Curve Number:

Location	CN	Area (ac)
Dry Retention Bottom & Bank (FDOT requires 100)	100	1.15
Pavement/Concrete/Impervious	98	23.27
Open Space (TR55, HSG D, Open Space, Good Condition)	80	4.59

Composite CN	95.2	29.01

Blackstone Corporate Park - Site Basin East

Water Quantity Spreadsheet	
Lake Control (FT-NAVD)	28.00
Dry Retention Bottom (FT-NAVD)	29.00
Lake-TOB (FT-NAVD)	31.00
Parking (FT-NAVD)	32.00
Roads and 2nd Break (FT-NAVD)	32.75
Finished Floor (FT-NAVD)	33.50
Lake	
Area (AC)	0.00
Dry Retention Bottom	
Area (AC)	0.750
Dry Retention Bank	
Area (AC)	0.360
Open	
Area (AC)	3.246
Parking and Roadway	
Area (AC)	10.794
Finished Floor	
Area (AC)	1.540
Total Acres	16.690

Stage (FT-NAVD)	Area (AC)	Storage (AC-FT)
28.00	0.000	0.00
29.00	0.750	0.00
31.00	1.110	1.86
32.00	8.130	6.48
32.75	14.339	14.91
33.50	15.150	25.96

Impervious Area Finished Floor + Parking and Roadway

12.33 ac

73.9%

DCIA 12.33 ac

73.9%

Composite CN Used (As Required by FDOT)

FDOT Requires Composite Curve Number:

Location	CN	Area (ac)
Dry Retention Bottom & Bank (FDOT requires 100)	100	1.110
Pavement/Concrete/Impervious	98	12.334
Open Space (TR55, HSG D, Open Space, Good Condition)	80	3.246

16.690

Composite CN	94.6

Blackstone Corporate Park - Lake Basin West

Water Quantity Spreadsheet	
Lake Control (FT-NAVD)	28.00
Dry Retention Bottom (FT-NAVD)	29.00
Lake-TOB (FT-NAVD)	31.00
Parking (FT-NAVD)	31.50
Roads and 2nd Break (FT-NAVD)	32.50
Finished Floor (FT-NAVD)	33.50
Lake	
Area (AC)	1.96
Dry Retention Bottom	
Area (AC)	0.00
Bank	
Area (AC)	0.66
Open	
Area (AC)	0.66
Parking and Roadway	
Area (AC)	0.00
Finished Floor	
Area (AC)	0.00
Total Acres	3.28

Stage (FT-NAVD)	Area (AC)	Storage (AC-FT)
28.00	1.96	0.00
29.00	1.96	1.96
31.00	2.62	6.54
31.50	2.95	7.93
32.50	3.12	10.97
33.50	3.28	14.16

Impervious Area

Lake Area
1.96 ac
59.8%

DCIA 59.8%

Composite CN Used (As Required by FDOT)

FDOT Requires Composite Curve Number:

Location	CN	Area (ac)
Lake	100	2.62
Open Space (TR55, HSG D, Open Space, Good Condition)	80	0.66

Composite CN	96.0

3.28

Blackstone Corporate Park - Lake Basin East

Water Quantity Spreadsheet	
Lake Control (FT-NAVD)	28.00
Dry Retention Bottom (FT-NAVD)	29.00
Lake-TOB (FT-NAVD)	31.00
Parking (FT-NAVD)	31.50
Roads and 2nd Break (FT-NAVD)	32.50
Finished Floor (FT-NAVD)	33.50
Lake	
Area (AC)	6.95
Dry Retention Bottom	
Area (AC)	0.00
Bank	
Area (AC)	0.97
Open	
Area (AC)	1.28
Parking and Roadway	
Area (AC)	0.00
Finished Floor	
Area (AC)	0.00
Total Acres	9.20

Stage (FT-NAVD)	Area (AC)	Storage (AC-FT)
28.00	6.95	0.00
29.00	6.95	6.95
31.00	7.92	21.82
31.50	8.56	25.94
32.50	8.88	34.66
33.50	9.20	43.70

Impervious Area

Lake Area
6.95 ac
75.5%

DCIA 75.5%

Composite CN Used (As Required by FDOT)

FDOT Requires Composite Curve Number:

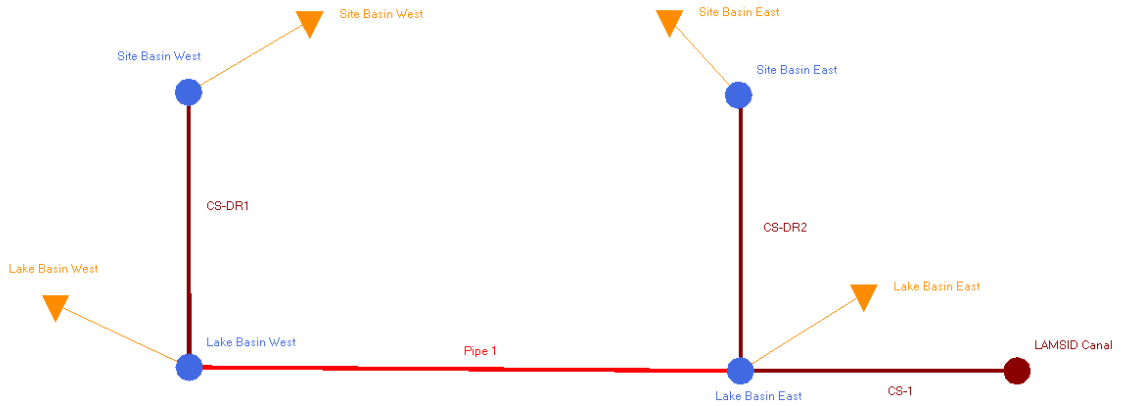
Location	CN	Area (ac)
Lake	100	7.92
Open Space (TR55, HSG D, Open Space, Good Condition)	80	1.28

Composite CN	97.2

9.20

Appendix J: StormWise Input Summary and Nodal Diagram

Background Image: Nodal Diagram



Node: Lake Basin East

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 28.00 ft
Warning Stage: 0.00 ft
Alert Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
28.00	6.9500	302742
29.00	6.9500	302742
31.00	7.9200	344995
31.50	8.5600	372874
32.50	8.8800	386813
33.50	9.2000	400752

Comment:

Node: Lake Basin West

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 28.00 ft
Warning Stage: 0.00 ft

Alert Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
28.00	1.9600	85378
29.00	1.9600	85378
31.00	2.6200	114127
31.50	2.9500	128502
32.50	3.1200	135907
33.50	3.2800	142877

Comment:

Node: LAMSID Canal

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 28.00 ft
Warning Stage: 0.00 ft
Alert Stage: 0.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	28.00
0	0	0	72.0000	28.90
0	0	0	360.0000	28.00

Comment:

Node: Site Basin East

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 29.00 ft
Warning Stage: 0.00 ft
Alert Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
28.00	0.0000	0
28.99	0.0100	436
29.00	0.7500	32670
31.00	1.1100	48352
32.00	8.1300	354143
32.75	14.3390	624607
33.50	15.1500	659934

Comment: FDOT requires initial stage at retention bottom

Node: Site Basin West

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 29.00 ft
Warning Stage: 0.00 ft
Alert Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
28.00	0.0000	0
28.99	0.0100	436
29.00	0.9300	40511
31.00	1.1500	50094
32.00	12.4600	542758
32.75	22.6200	985327
33.50	23.7700	1035421

Comment: FDOT requires initial stage at dry retention bottom

Simple Basin: Lake Basin East

Scenario: Scenario1
Node: Lake Basin East
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 14.4000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 9.2000 ac
Curve Number: 97.2
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment: Composite CN used as required for FDOT Drainage Exception, Min Tc 10 min

Simple Basin: Lake Basin West

Scenario:	Scenario1
Node:	Lake Basin West
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.2800 ac
Curve Number:	96.0
Ia/S:	0.00
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment: Composite CN used as required for FDOT Drainage Exception, Min Tc 10 min

Simple Basin: Site Basin East

Scenario:	Scenario1
Node:	Site Basin East
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	19.4000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	16.6900 ac
Curve Number:	94.6
Ia/S:	0.00
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment: FDOT requires initial stage at 29.00

Simple Basin: Site Basin West

Scenario:	Scenario1
Node:	Site Basin West
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	25.5000 min

Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	29.0100 ac
Curve Number:	95.2
Ia/S:	0.00
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment: Composite CN used as required for FDOT Drainage Exception

Drop Structure Link: CS-1		Upstream Pipe		Downstream Pipe	
Scenario:	Scenario1	Invert:	25.50 ft	Invert:	25.50 ft
From Node:	Lake Basin East	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	LAMSID Canal	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Pipe Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	60.00 ft	Top Clip			
FHWA Code:	1	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.50	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component			
Weir:	1	Bottom Clip	
Weir Count:	1	Default:	0.00 ft
Weir Flow Direction:	Both	Op Table:	
Damping:	0.0000 ft	Ref Node:	
Weir Type:	Sharp Crested Vertical	Top Clip	
Geometry Type:	Rectangular	Default:	0.00 ft
Invert:	28.00 ft	Op Table:	
Control Elevation:	28.00 ft	Ref Node:	
Max Depth:	0.50 ft	Discharge Coefficients	
Max Width:	0.69 ft	Weir Default:	3.200
Fillet:	0.00 ft	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Weir Component		Bottom Clip	
Weir:	2	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	**Top Clip**	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	31.67 ft	Ref Node:	
Control Elevation:	28.00 ft	**Discharge Coefficients**	
Max Depth:	3.00 ft	Weir Default:	3.200
Max Width:	4.50 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Drop Structure Link: CS-DR1		Upstream Pipe		Downstream Pipe	
Scenario:	Scenario1	Invert:	23.04 ft	Invert:	23.04 ft
From Node:	Site Basin West	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	Lake Basin West	**Geometry: Circular**		**Geometry: Circular**	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Pipe Flow Direction:	Both	**Bottom Clip**			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	69.00 ft	**Top Clip**			
FHWA Code:	1	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.50	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	**Top Clip**	
Weir Type:	Horizontal	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	29.42 ft		

Control Elevation:	28.00 ft
Max Depth:	8.75 ft
Max Width:	3.00 ft
Fillet:	0.00 ft

Ref Node:	
Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Drop Structure Comment:

Drop Structure Link: CS-DR2		Upstream Pipe		Downstream Pipe	
Scenario:	Scenario1	Invert:	23.04 ft	Invert:	23.04 ft
From Node:	Site Basin East	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	Lake Basin East	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Pipe Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	69.00 ft	Top Clip			
FHWA Code:	1	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.50	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component			
Weir:	1	Bottom Clip	
Weir Count:	1	Default:	0.00 ft
Weir Flow Direction:	Both	Op Table:	
Damping:	0.0000 ft	Ref Node:	
Weir Type:	Horizontal	Top Clip	
Geometry Type:	Rectangular	Default:	0.00 ft
Invert:	29.42 ft	Op Table:	
Control Elevation:	28.00 ft	Ref Node:	
Max Depth:	6.58 ft	Discharge Coefficients	
Max Width:	3.00 ft	Weir Default:	3.200
Fillet:	0.00 ft	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Pipe Link: Pipe 1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	22.50 ft	Invert:	22.50 ft
From Node:	Lake Basin West	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	Lake Basin East	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	259.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Simulation: 100YR-1HR

Scenario: Scenario1
Run Date/Time: 3/20/2026 11:56:46 AM
Program Version: StormWise 4.08.03

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	360.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	45.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000
0	0	0	72.0000	240.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec	Ia/S:	0.20 dec
dZ Tolerance:	0.0010 ft		
Max dZ:	1.0000 ft	Smp/Man Basin Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft		
		Rainfall Name:	~FDOT-1
		Rainfall Amount:	4.29 in
		Storm Duration:	1.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: 100YR-24HR

Scenario: Scenario1
Run Date/Time: 3/20/2026 11:57:12 AM
Program Version: StormWise 4.08.03

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	360.0000

Hydrology [sec]	Surface Hydraulics

		[sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	45.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000
0	0	0	72.0000	240.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft

IA Recovery Time: 24.0000 hr
Ia/S: 0.20 dec
Smp/Man Basin Rain Opt: Global
Rainfall Name: ~FDOT-24
Rainfall Amount: 11.50 in
Storm Duration: 24.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

Simulation: 100YR-2HR

Scenario: Scenario1
Run Date/Time: 3/20/2026 11:57:45 AM
Program Version: StormWise 4.08.03

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	360.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	45.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000
0	0	0	72.0000	240.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
IA Recovery Time: 24.0000 hr
Ia/S: 0.20 dec

dZ Tolerance:	0.0010 ft		
Max dZ:	1.0000 ft	Smp/Man Basin Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft		
		Rainfall Name:	~FDOT-2
		Rainfall Amount:	5.33 in
		Storm Duration:	2.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: 100YR-4HR

Scenario: Scenario1
Run Date/Time: 3/20/2026 11:58:15 AM
Program Version: StormWise 4.08.03

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	360.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	45.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000
0	0	0	72.0000	240.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources		Lookup Tables	
Rainfall Folder:		Boundary Stage Set:	
		Extern Hydrograph Set:	
Unit Hydrograph Folder:		Curve Number Set:	
		Green-Ampt Set:	
		Vertical Layers Set:	
		Impervious Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec	Ia/S:	0.20 dec
dZ Tolerance:	0.0010 ft		
Max dZ:	1.0000 ft	Smp/Man Basin Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft		
		Rainfall Name:	~FDOT-4
		Rainfall Amount:	6.46 in
		Storm Duration:	4.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: 100YR-72HR

Scenario: Scenario1
Run Date/Time: 3/20/2026 11:58:45 AM
Program Version: StormWise 4.08.03

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	360.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	45.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000
0	0	0	72.0000	240.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec	Ia/S:	0.20 dec
dZ Tolerance:	0.0010 ft		
Max dZ:	1.0000 ft	Smp/Man Basin Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft		
		Rainfall Name:	~FDOT-72
		Rainfall Amount:	14.30 in
		Storm Duration:	72.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: 100YR-8HR

Scenario: Scenario1
Run Date/Time: 3/20/2026 11:59:23 AM
Program Version: StormWise 4.08.03

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	360.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	45.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000
0	0	0	72.0000	240.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
IA Recovery Time: 24.0000 hr
Ia/S: 0.20 dec

dZ Tolerance:	0.0010 ft		
Max dZ:	1.0000 ft	Smp/Man Basin Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft		
		Rainfall Name:	~FDOT-8
		Rainfall Amount:	8.41 in
		Storm Duration:	8.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: SFWMD 100YR-3 DAY

Scenario: Scenario1
Run Date/Time: 3/30/2026 3:47:14 PM
Program Version: StormWise 4.08.03

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	360.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	45.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000
0	0	0	72.0000	240.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources		Lookup Tables	
Rainfall Folder:		Boundary Stage Set:	
		Extern Hydrograph Set:	
Unit Hydrograph Folder:		Curve Number Set:	
		Green-Ampt Set:	
		Vertical Layers Set:	
		Impervious Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec	Ia/S:	0.20 dec
dZ Tolerance:	0.0010 ft		
Max dZ:	1.0000 ft	Smp/Man Basin Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft		
		Rainfall Name:	~SFWMD-72
		Rainfall Amount:	14.30 in
		Storm Duration:	72.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: SFWMD 10YR-1 DAY

Scenario:	Scenario1
Run Date/Time:	3/31/2026 10:10:54 AM
Program Version:	StormWise 4.08.03

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	360.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	45.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000
0	0	0	72.0000	240.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec	Ia/S:	0.20 dec
dZ Tolerance:	0.0010 ft		
Max dZ:	1.0000 ft	Smp/Man Basin Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft		
		Rainfall Name:	~FLMOD
		Rainfall Amount:	6.96 in
		Storm Duration:	24.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: SFWMD 25YR-3 DAY

Scenario: Scenario1
Run Date/Time: 3/31/2026 10:41:39 AM
Program Version: StormWise 4.08.03

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	360.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	45.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000
0	0	0	72.0000	240.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
IA Recovery Time: 24.0000 hr
Ia/S: 0.20 dec

dZ Tolerance:	0.0010 ft		
Max dZ:	1.0000 ft	Smp/Man Basin Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft		
		Rainfall Name:	~SFWMD-72
		Rainfall Amount:	10.80 in
		Storm Duration:	72.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: SFWMD 5 YR-1 DAY

Scenario: Scenario1
Run Date/Time: 3/31/2026 10:12:06 AM
Program Version: StormWise 4.08.03

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	360.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	45.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000
0	0	0	72.0000	240.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:	
Unit Hydrograph Folder:	

Lookup Tables

Boundary Stage Set:	
Extern Hydrograph Set:	
Curve Number Set:	
Green-Ampt Set:	
Vertical Layers Set:	
Impervious Set:	

Tolerances & Options

Time Marching:	SAOR
Max Iterations:	6
Over-Relax Weight Fact:	0.5 dec
dZ Tolerance:	0.0010 ft
Max dZ:	1.0000 ft
Link Optimizer Tol:	0.0001 ft

IA Recovery Time:	24.0000 hr
Ia/S:	0.20 dec
Smp/Man Basin Rain Opt:	Global
Rainfall Name:	~FLMOD
Rainfall Amount:	5.83 in
Storm Duration:	24.0000 hr
Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (1D):	100 ft2
Energy Switch (1D):	Energy

Comment:

Appendix K: StormWise Output Reports

5 Year, 1 Day Node Max

Scenario	Sim	Node Name	Relative Time [hrs]	Maximum Stage [ft]	Time to Maximum Stage [hrs]
Scenario1	SFWMD 5 YR-1 DAY	Lake Basin East	360.0079	30.27	24.3579
Scenario1	SFWMD 5 YR-1 DAY	Lake Basin West	360.0079	30.27	24.2829
Scenario1	SFWMD 5 YR-1 DAY	Site Basin East	360.0079	30.27	24.2413
Scenario1	SFWMD 5 YR-1 DAY	Site Basin West	360.0079	30.36	12.5246

10 Year, 1 Day Node Max

Scenario	Sim	Node Name	Relative Time [hrs]	Maximum Stage [ft]	Time to Maximum Stage [hrs]
Scenario1	SFWMD 10YR-1 DAY	Lake Basin East	360.0041	30.69	24.3874
Scenario1	SFWMD 10YR-1 DAY	Lake Basin West	360.0041	30.69	24.3124
Scenario1	SFWMD 10YR-1 DAY	Site Basin East	360.0041	30.69	24.3041
Scenario1	SFWMD 10YR-1 DAY	Site Basin West	360.0041	30.70	24.2374

25 Year, 3 Day Node Max

Scenario	Sim	Node Name	Relative Time [hrs]	Maximum Stage [ft]	Time to Maximum Stage [hrs]
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	360.0027	31.62	72.4944
Scenario1	SFWMD 25YR-3 DAY	Lake Basin West	360.0027	31.62	72.4360
Scenario1	SFWMD 25YR-3 DAY	Site Basin East	360.0027	31.62	72.3944
Scenario1	SFWMD 25YR-3 DAY	Site Basin West	360.0027	31.63	72.3944

100 Year, 3 Day Node Max (Zero Discharge)

Scenario	Sim	Node Name	Relative Time [hrs]	Maximum Stage [ft]	Time to Maximum Stage [hrs]
Scenario1	SFWMD 100YR-3 DAY	Lake Basin East	360.0014	32.32	315.4597
Scenario1	SFWMD 100YR-3 DAY	Lake Basin West	360.0014	32.32	75.6347
Scenario1	SFWMD 100YR-3 DAY	Site Basin East	360.0014	32.32	222.9847
Scenario1	SFWMD 100YR-3 DAY	Site Basin West	360.0014	32.32	73.6764

100 Year, 3 Day Link Discharge (Zero Discharge)

Scenario	Sim	Link Name	From Node Name	To Node Name	Relative Time [hrs]	Maximum Flow Rate [cfs]	Time to Maximum Flow Rate [hrs]
Scenario1	SFWMD 100YR-3 DAY	CS-1	~~D~CS-1~N	LAMSID Canal	360.0014	0.00	0.0000

25 Year, 3 Day Link Discharge

Scenario	Sim	Link Name	From Node Name	To Node Name	Relative Time [hrs]	Maximum Flow Rate [cfs]	Time to Maximum Flow Rate [hrs]
Scenario1	SFWMD 25YR-3 DAY	CS-1	~~D~CS-1~N	LAMSID Canal	360.0027	2.72	68.7277

25 Year, 3 Day Node Time Series

Scenario	Sim	Node Name	Relative Time [hrs]	Stage [ft]
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	0.0000	28.00
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	0.2511	28.00
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	0.5050	28.00
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	0.7527	28.00
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	1.0027	28.00
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	1.2527	28.00
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	1.5027	28.00
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	1.7527	28.00
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	2.0027	28.00
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	2.2527	28.00
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	2.5027	28.00
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	2.7527	28.00
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	3.0027	28.00
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	3.2527	28.00
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	3.5027	28.00
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	3.7527	28.00
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	4.0027	28.00
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	4.2527	28.00
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	4.5027	28.01
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	4.7527	28.01
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	5.0027	28.01
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	5.2527	28.01
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	5.5027	28.01
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	5.7527	28.01
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	6.0027	28.01
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	6.2527	28.01
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	6.5027	28.01
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	6.7527	28.01
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	7.0027	28.01
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	7.2527	28.02
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	7.5027	28.02
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	7.7527	28.02
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	8.0027	28.02
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	8.2527	28.02
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	8.5027	28.02
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	8.7527	28.02
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	9.0027	28.02
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	9.2527	28.03
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	9.5027	28.03
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	9.7527	28.03
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	10.0027	28.03
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	10.2527	28.03

Scenario	Sim	Node Name	Relative Time [hrs]	Stage [ft]
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	10.5027	28.03
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	10.7527	28.03
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	11.0027	28.04
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	11.2527	28.04
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	11.5027	28.04
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	11.7527	28.04
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	12.0027	28.05
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	12.2527	28.05
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	12.5027	28.05
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	12.7527	28.06
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	13.0027	28.06
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	13.2527	28.07
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	13.5027	28.07
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	13.7527	28.07
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	14.0027	28.08
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	14.2527	28.08
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	14.5027	28.09
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	14.7527	28.09
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	15.0027	28.10
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	15.2527	28.10
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	15.5027	28.11
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	15.7527	28.12
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	16.0027	28.12
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	16.2527	28.13
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	16.5027	28.13
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	16.7527	28.14
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	17.0027	28.14
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	17.2527	28.15
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	17.5027	28.16
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	17.7527	28.16
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	18.0027	28.17
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	18.2527	28.17
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	18.5027	28.18
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	18.7527	28.18
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	19.0027	28.19
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	19.2527	28.20
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	19.5027	28.20
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	19.7527	28.21
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	20.0027	28.21
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	20.2527	28.22
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	20.5027	28.23
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	20.7527	28.23

Scenario	Sim	Node Name	Relative Time [hrs]	Stage [ft]
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	21.0027	28.24
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	21.2527	28.24
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	21.5027	28.25
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	21.7527	28.26
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	22.0027	28.26
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	22.2527	28.27
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	22.5027	28.27
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	22.7527	28.28
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	23.0027	28.29
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	23.2527	28.29
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	23.5027	28.30
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	23.7527	28.30
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	24.0027	28.31
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	24.2527	28.32
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	24.5027	28.32
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	24.7527	28.33
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	25.0027	28.34
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	25.2527	28.34
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	25.5027	28.35
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	25.7527	28.36
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	26.0027	28.37
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	26.2527	28.37
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	26.5027	28.38
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	26.7527	28.39
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	27.0027	28.40
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	27.2527	28.41
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	27.5027	28.41
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	27.7527	28.42
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	28.0027	28.43
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	28.2527	28.44
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	28.5027	28.45
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	28.7527	28.45
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	29.0027	28.46
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	29.2527	28.47
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	29.5027	28.48
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	29.7527	28.49
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	30.0027	28.49
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	30.2527	28.50
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	30.5027	28.51
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	30.7527	28.52
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	31.0027	28.52
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	31.2527	28.53

Scenario	Sim	Node Name	Relative Time [hrs]	Stage [ft]
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	31.5027	28.54
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	31.7527	28.55
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	32.0027	28.56
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	32.2527	28.56
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	32.5027	28.57
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	32.7527	28.58
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	33.0027	28.59
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	33.2527	28.59
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	33.5027	28.60
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	33.7527	28.61
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	34.0027	28.62
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	34.2527	28.62
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	34.5027	28.63
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	34.7527	28.64
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	35.0027	28.64
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	35.2527	28.65
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	35.5027	28.66
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	35.7527	28.67
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	36.0027	28.67
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	36.2527	28.68
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	36.5027	28.69
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	36.7527	28.70
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	37.0027	28.70
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	37.2527	28.71
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	37.5027	28.72
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	37.7527	28.73
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	38.0027	28.73
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	38.2527	28.74
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	38.5027	28.75
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	38.7527	28.75
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	39.0027	28.76
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	39.2527	28.77
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	39.5027	28.78
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	39.7527	28.78
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	40.0027	28.79
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	40.2527	28.80
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	40.5027	28.81
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	40.7527	28.81
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	41.0027	28.82
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	41.2527	28.83
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	41.5027	28.83
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	41.7527	28.84

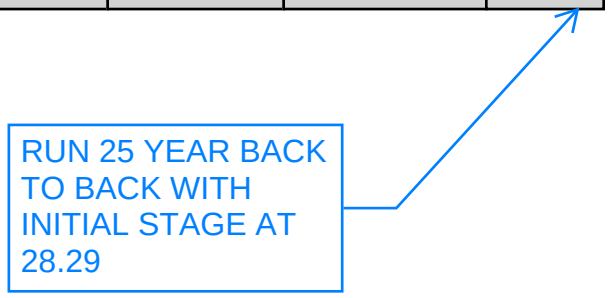
Scenario	Sim	Node Name	Relative Time [hrs]	Stage [ft]
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	42.0027	28.85
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	42.2527	28.86
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	42.5027	28.86
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	42.7527	28.87
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	43.0027	28.88
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	43.2527	28.88
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	43.5027	28.89
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	43.7527	28.90
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	44.0027	28.91
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	44.2527	28.91
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	44.5027	28.92
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	44.7527	28.93
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	45.0027	28.93
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	45.2527	28.94
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	45.5027	28.95
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	45.7527	28.96
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	46.0027	28.96
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	46.2527	28.97
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	46.5027	28.98
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	46.7527	28.98
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	47.0027	28.99
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	47.2527	29.00
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	47.5027	29.00
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	47.7527	29.01
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	48.0027	29.02
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	48.2527	29.02
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	48.5027	29.03
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	48.7527	29.04
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	49.0027	29.05
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	49.2527	29.05
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	49.5027	29.06
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	49.7527	29.07
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	50.0027	29.08
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	50.2527	29.09
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	50.5027	29.09
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	50.7527	29.10
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	51.0027	29.11
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	51.2527	29.12
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	51.5027	29.13
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	51.7527	29.14
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	52.0027	29.15
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	52.2527	29.16

Scenario	Sim	Node Name	Relative Time [hrs]	Stage [ft]
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	52.5027	29.17
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	52.7527	29.19
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	53.0027	29.20
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	53.2527	29.21
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	53.5027	29.23
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	53.7527	29.25
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	54.0027	29.26
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	54.2527	29.28
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	54.5027	29.30
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	54.7527	29.32
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	55.0027	29.34
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	55.2527	29.36
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	55.5027	29.38
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	55.7527	29.41
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	56.0027	29.43
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	56.2527	29.46
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	56.5027	29.48
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	56.7527	29.51
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	57.0027	29.54
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	57.2527	29.57
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	57.5044	29.60
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	57.7536	29.63
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	58.0025	29.66
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	58.2548	29.69
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	58.5036	29.72
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	58.7507	29.76
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	59.0037	29.80
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	59.2507	29.84
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	59.5013	29.90
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	59.7503	29.99
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	60.0000	30.18
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	60.2501	30.44
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	60.5004	30.65
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	60.7515	30.83
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	61.0000	30.96
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	61.2509	31.06
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	61.5029	31.14
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	61.7507	31.20
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	62.0032	31.25
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	62.2503	31.30
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	62.5052	31.33
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	62.7570	31.37

Scenario	Sim	Node Name	Relative Time [hrs]	Stage [ft]
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	63.0027	31.39
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	63.2527	31.42
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	63.5027	31.44
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	63.7527	31.46
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	64.0027	31.47
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	64.2527	31.48
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	64.5027	31.50
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	64.7527	31.50
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	65.0027	31.51
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	65.2527	31.52
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	65.5027	31.52
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	65.7527	31.53
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	66.0027	31.54
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	66.2527	31.54
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	66.5027	31.55
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	66.7527	31.55
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	67.0027	31.56
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	67.2527	31.56
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	67.5027	31.56
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	67.7527	31.57
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	68.0027	31.57
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	68.2527	31.58
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	68.5027	31.58
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	68.7527	31.59
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	69.0027	31.59
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	69.2527	31.59
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	69.5027	31.59
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	69.7527	31.60
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	70.0027	31.60
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	70.2527	31.60
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	70.5027	31.60
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	70.7527	31.61
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	71.0027	31.61
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	71.2527	31.61
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	71.5027	31.61
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	71.7527	31.62
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	72.0027	31.62
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	76.0027	31.59
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	80.0027	31.56
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	84.0027	31.52
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	88.0027	31.48
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	92.0027	31.44

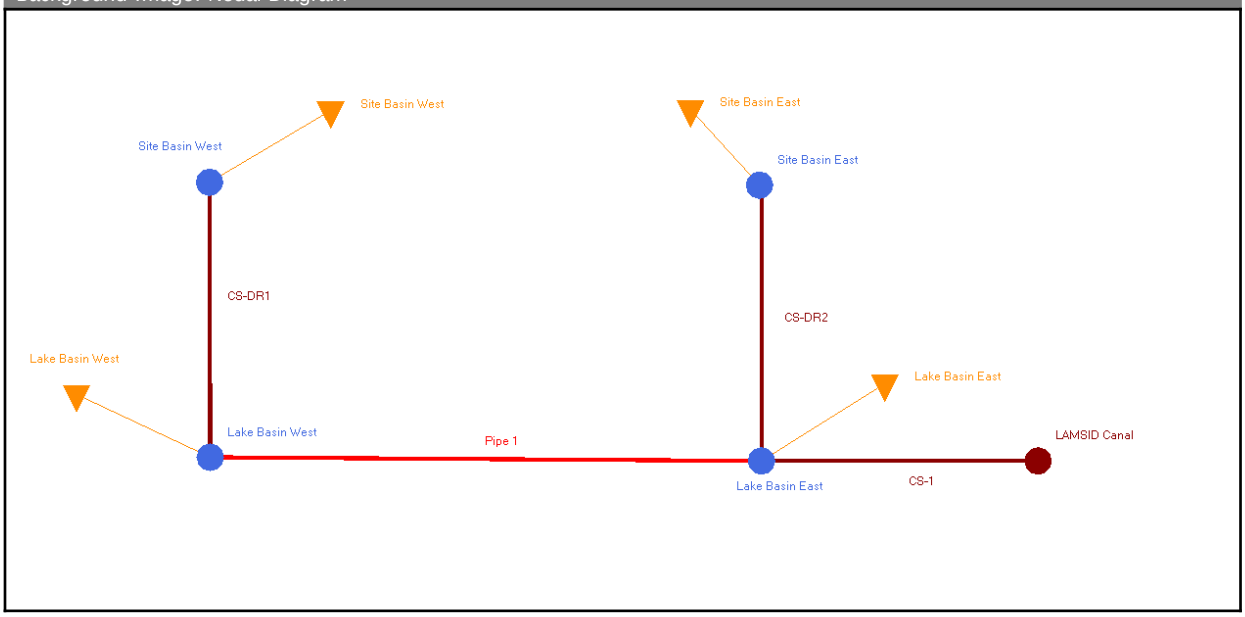
Scenario	Sim	Node Name	Relative Time [hrs]	Stage [ft]
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	96.0027	31.40
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	100.0027	31.36
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	104.0027	31.31
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	108.0027	31.27
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	112.0027	31.22
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	116.0027	31.17
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	120.0027	31.12
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	124.0027	31.06
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	128.0027	31.00
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	132.0027	30.94
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	136.0027	30.87
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	140.0027	30.81
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	144.0027	30.75
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	148.0027	30.68
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	152.0027	30.62
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	156.0027	30.56
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	160.0027	30.50
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	164.0027	30.44
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	168.0027	30.38
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	172.0027	30.32
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	176.0027	30.26
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	180.0027	30.20
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	184.0027	30.14
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	188.0027	30.08
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	192.0027	30.03
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	196.0027	29.97
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	200.0027	29.91
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	204.0027	29.86
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	208.0027	29.80
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	212.0027	29.75
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	216.0027	29.70
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	220.0027	29.64
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	224.0027	29.59
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	228.0027	29.54
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	232.0027	29.49
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	236.0027	29.44
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	240.0027	29.38
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	244.0027	29.32
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	248.0027	29.26
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	252.0027	29.21
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	256.0027	29.15
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	260.0027	29.10

Scenario	Sim	Node Name	Relative Time [hrs]	Stage [ft]
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	264.0027	29.04
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	268.0027	28.99
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	272.0027	28.94
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	276.0027	28.89
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	280.0027	28.84
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	284.0027	28.80
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	288.0027	28.75
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	292.0027	28.71
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	296.0027	28.67
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	300.0027	28.63
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	304.0027	28.59
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	308.0027	28.56
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	312.0027	28.53
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	316.0027	28.50
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	320.0027	28.48
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	324.0027	28.45
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	328.0027	28.43
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	332.0027	28.41
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	336.0027	28.39
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	340.0027	28.37
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	344.0027	28.35
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	348.0027	28.34
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	352.0027	28.32
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	356.0027	28.31
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	360.0027	28.29



25 Year, 3 Day Back to Back Input Summary

Background Image: Nodal Diagram



Node: Lake Basin East

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 28.29 ft
Warning Stage: 0.00 ft
Alert Stage: 0.00 ft

INITIAL STAGE SET AT 25 YEAR RECOVERY STAGE OF 28.29 FT

Stage [ft]	Area [ac]	Area [ft2]
28.00	6.9500	302742
29.00	6.9500	302742
31.00	7.9200	344995
31.50	8.5600	372874
32.50	8.8800	386813
33.50	9.2000	400752

Comment:

Node: Lake Basin West

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 28.29 ft
Warning Stage: 0.00 ft

INITIAL STAGE SET AT 25 YEAR RECOVERY STAGE OF 28.29 FT

Alert Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
28.00	1.9600	85378
29.00	1.9600	85378
31.00	2.6200	114127
31.50	2.9500	128502
32.50	3.1200	135907
33.50	3.2800	142877

Comment:

Node: LAMSID Canal

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 28.00 ft
Warning Stage: 0.00 ft
Alert Stage: 0.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	28.00
0	0	0	72.0000	28.90
0	0	0	360.0000	28.00

Comment:

Node: Site Basin East

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 29.00 ft
Warning Stage: 0.00 ft
Alert Stage: 0.00 ft

FDOT REQUIRES INITIAL STAGE AT RETENTION BOTTOM OR 36 HR RECOVERY WHICHEVER IS GREATER, 29 IS GREATER

Stage [ft]	Area [ac]	Area [ft2]
28.00	0.0000	0
28.99	0.0100	436
29.00	0.7500	32670
31.00	1.1100	48352
32.00	8.1300	354143
32.75	14.3390	624607
33.50	15.1500	659934

Comment: FDOT requires initial stage at retention bottom

Node: Site Basin West

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 29.00 ft
Warning Stage: 0.00 ft
Alert Stage: 0.00 ft

FDOT REQUIRES INITIAL STAGE AT RETENTION BOTTOM OR 36 HR RECOVERY WHICHEVER IS GREATER, 29 IS GREATER

Stage [ft]	Area [ac]	Area [ft2]
28.00	0.0000	0
28.99	0.0100	436
29.00	0.9300	40511
31.00	1.1500	50094
32.00	12.4600	542758
32.75	22.6200	985327
33.50	23.7700	1035421

Comment: FDOT requires initial stage at dry retention bottom

Simple Basin: Lake Basin East

Scenario: Scenario1
Node: Lake Basin East
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 14.4000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 9.2000 ac
Curve Number: 97.2
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment: Composite CN used as required for FDOT Drainage Exception, Min Tc 10 min

Simple Basin: Lake Basin West

Scenario:	Scenario1
Node:	Lake Basin West
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.2800 ac
Curve Number:	96.0
Ia/S:	0.00
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment: Composite CN used as required for FDOT Drainage Exception, Min Tc 10 min

Simple Basin: Site Basin East

Scenario:	Scenario1
Node:	Site Basin East
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	19.4000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	16.6900 ac
Curve Number:	94.6
Ia/S:	0.00
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment: FDOT requires initial stage at 29.00

Simple Basin: Site Basin West

Scenario:	Scenario1
Node:	Site Basin West
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	25.5000 min

Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	29.0100 ac
Curve Number:	95.2
Ia/S:	0.00
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment: Composite CN used as required for FDOT Drainage Exception

Drop Structure Link: CS-1		Upstream Pipe		Downstream Pipe	
Scenario:	Scenario1	Invert:	25.50 ft	Invert:	25.50 ft
From Node:	Lake Basin East	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	LAMSID Canal	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Pipe Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	60.00 ft	Top Clip			
FHWA Code:	1	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.50	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component			
Weir:	1	Bottom Clip	
Weir Count:	1	Default:	0.00 ft
Weir Flow Direction:	Both	Op Table:	
Damping:	0.0000 ft	Ref Node:	
Weir Type:	Sharp Crested Vertical	Top Clip	
Geometry Type:	Rectangular	Default:	0.00 ft
Invert:	28.00 ft	Op Table:	
Control Elevation:	28.00 ft	Ref Node:	
Max Depth:	0.50 ft	Discharge Coefficients	
Max Width:	0.69 ft	Weir Default:	3.200
Fillet:	0.00 ft	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Weir Component		Bottom Clip	
Weir:	2	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	**Top Clip**	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	31.67 ft	Ref Node:	
Control Elevation:	28.00 ft	**Discharge Coefficients**	
Max Depth:	3.00 ft	Weir Default:	3.200
Max Width:	4.50 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Drop Structure Link: CS-DR1		Upstream Pipe		Downstream Pipe	
Scenario:	Scenario1	Invert:	23.04 ft	Invert:	23.04 ft
From Node:	Site Basin West	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	Lake Basin West	**Geometry: Circular**		**Geometry: Circular**	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Pipe Flow Direction:	Both	**Bottom Clip**			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	69.00 ft	**Top Clip**			
FHWA Code:	1	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.50	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	**Top Clip**	
Weir Type:	Horizontal	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	29.42 ft		

Control Elevation:	28.00 ft
Max Depth:	8.75 ft
Max Width:	3.00 ft
Fillet:	0.00 ft

Ref Node:	
Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Drop Structure Comment:

Drop Structure Link: CS-DR2		Upstream Pipe		Downstream Pipe	
Scenario:	Scenario1	Invert:	23.04 ft	Invert:	23.04 ft
From Node:	Site Basin East	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	Lake Basin East	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Pipe Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	69.00 ft	Top Clip			
FHWA Code:	1	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.50	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component			
Weir:	1	Bottom Clip	
Weir Count:	1	Default:	0.00 ft
Weir Flow Direction:	Both	Op Table:	
Damping:	0.0000 ft	Ref Node:	
Weir Type:	Horizontal	Top Clip	
Geometry Type:	Rectangular	Default:	0.00 ft
Invert:	29.42 ft	Op Table:	
Control Elevation:	28.00 ft	Ref Node:	
Max Depth:	6.58 ft	Discharge Coefficients	
Max Width:	3.00 ft	Weir Default:	3.200
Fillet:	0.00 ft	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Pipe Link: Pipe 1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	22.50 ft	Invert:	22.50 ft
From Node:	Lake Basin West	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	Lake Basin East	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	259.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Simulation: 100YR-1HR

Scenario: Scenario1
Run Date/Time: 3/20/2026 11:56:46 AM
Program Version: StormWise 4.08.03

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	360.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	45.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000
0	0	0	72.0000	240.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec	Ia/S:	0.20 dec
dZ Tolerance:	0.0010 ft		
Max dZ:	1.0000 ft	Smp/Man Basin Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft		
		Rainfall Name:	~FDOT-1
		Rainfall Amount:	4.29 in
		Storm Duration:	1.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: 100YR-24HR

Scenario: Scenario1
Run Date/Time: 3/20/2026 11:57:12 AM
Program Version: StormWise 4.08.03

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	360.0000

Hydrology [sec]	Surface Hydraulics

		[sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	45.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000
0	0	0	72.0000	240.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft

IA Recovery Time: 24.0000 hr
Ia/S: 0.20 dec
Smp/Man Basin Rain Opt: Global
Rainfall Name: ~FDOT-24
Rainfall Amount: 11.50 in
Storm Duration: 24.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

Simulation: 100YR-2HR

Scenario: Scenario1
Run Date/Time: 3/20/2026 11:57:45 AM
Program Version: StormWise 4.08.03

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	360.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	45.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000
0	0	0	72.0000	240.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
IA Recovery Time: 24.0000 hr
Ia/S: 0.20 dec

dZ Tolerance:	0.0010 ft		
Max dZ:	1.0000 ft	Smp/Man Basin Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft		
		Rainfall Name:	~FDOT-2
		Rainfall Amount:	5.33 in
		Storm Duration:	2.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: 100YR-4HR

Scenario: Scenario1
Run Date/Time: 3/20/2026 11:58:15 AM
Program Version: StormWise 4.08.03

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	360.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	45.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000
0	0	0	72.0000	240.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources		Lookup Tables	
Rainfall Folder:		Boundary Stage Set:	
		Extern Hydrograph Set:	
Unit Hydrograph Folder:		Curve Number Set:	
		Green-Ampt Set:	
		Vertical Layers Set:	
		Impervious Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec	Ia/S:	0.20 dec
dZ Tolerance:	0.0010 ft		
Max dZ:	1.0000 ft	Smp/Man Basin Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft		
		Rainfall Name:	~FDOT-4
		Rainfall Amount:	6.46 in
		Storm Duration:	4.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: 100YR-72HR

Scenario:	Scenario1
Run Date/Time:	3/20/2026 11:58:45 AM
Program Version:	StormWise 4.08.03

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	360.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	45.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000
0	0	0	72.0000	240.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec	Ia/S:	0.20 dec
dZ Tolerance:	0.0010 ft		
Max dZ:	1.0000 ft	Smp/Man Basin Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft		
		Rainfall Name:	~FDOT-72
		Rainfall Amount:	14.30 in
		Storm Duration:	72.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: 100YR-8HR

Scenario: Scenario1
Run Date/Time: 3/20/2026 11:59:23 AM
Program Version: StormWise 4.08.03

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	360.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	45.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000
0	0	0	72.0000	240.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
IA Recovery Time: 24.0000 hr
Ia/S: 0.20 dec

dZ Tolerance:	0.0010 ft		
Max dZ:	1.0000 ft	Smp/Man Basin Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft		
		Rainfall Name:	~FDOT-8
		Rainfall Amount:	8.41 in
		Storm Duration:	8.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: SFWMD 100YR-3 DAY

Scenario: Scenario1
Run Date/Time: 3/30/2026 3:47:14 PM
Program Version: StormWise 4.08.03

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	360.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	45.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000
0	0	0	72.0000	240.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources		Lookup Tables	
Rainfall Folder:		Boundary Stage Set:	
		Extern Hydrograph Set:	
Unit Hydrograph Folder:		Curve Number Set:	
		Green-Ampt Set:	
		Vertical Layers Set:	
		Impervious Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec	Ia/S:	0.20 dec
dZ Tolerance:	0.0010 ft		
Max dZ:	1.0000 ft	Smp/Man Basin Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft		
		Rainfall Name:	~SFWMD-72
		Rainfall Amount:	14.30 in
		Storm Duration:	72.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: SFWMD 10YR-1 DAY

Scenario:	Scenario1
Run Date/Time:	3/31/2026 10:10:54 AM
Program Version:	StormWise 4.08.03

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	360.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	45.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000
0	0	0	72.0000	240.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec	Ia/S:	0.20 dec
dZ Tolerance:	0.0010 ft		
Max dZ:	1.0000 ft	Smp/Man Basin Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft		
		Rainfall Name:	~FLMOD
		Rainfall Amount:	6.96 in
		Storm Duration:	24.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: SFWMD 25YR-3 DAY

Scenario: Scenario1
Run Date/Time: 3/31/2026 10:41:39 AM
Program Version: StormWise 4.08.03

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	360.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	45.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000
0	0	0	72.0000	240.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
IA Recovery Time: 24.0000 hr
Ia/S: 0.20 dec

dZ Tolerance:	0.0010 ft		
Max dZ:	1.0000 ft	Smp/Man Basin Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft		
		Rainfall Name:	~SFWMD-72
		Rainfall Amount:	10.80 in
		Storm Duration:	72.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: SFWMD 5 YR-1 DAY

Scenario: Scenario1
Run Date/Time: 3/31/2026 10:12:06 AM
Program Version: StormWise 4.08.03

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	360.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	45.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000
0	0	0	72.0000	240.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:	
Unit Hydrograph Folder:	

Lookup Tables

Boundary Stage Set:	
Extern Hydrograph Set:	
Curve Number Set:	
Green-Ampt Set:	
Vertical Layers Set:	
Impervious Set:	

Tolerances & Options

Time Marching:	SAOR
Max Iterations:	6
Over-Relax Weight Fact:	0.5 dec
dZ Tolerance:	0.0010 ft
Max dZ:	1.0000 ft
Link Optimizer Tol:	0.0001 ft

IA Recovery Time:	24.0000 hr
Ia/S:	0.20 dec
Smp/Man Basin Rain Opt:	Global
Rainfall Name:	~FLMOD
Rainfall Amount:	5.83 in
Storm Duration:	24.0000 hr
Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (1D):	100 ft2
Energy Switch (1D):	Energy

Comment:

25 Year, 3 Day Back to Back Node Max

Scenario	Sim	Node Name	Relative Time [hrs]	Maximum Stage [ft]	Time to Maximum Stage [hrs]
Scenario1	SFWMD 25YR-3 DAY	Lake Basin East	360.0025	31.66	72.5191
Scenario1	SFWMD 25YR-3 DAY	Lake Basin West	360.0025	31.66	72.4858
Scenario1	SFWMD 25YR-3 DAY	Site Basin East	360.0025	31.66	72.3941
Scenario1	SFWMD 25YR-3 DAY	Site Basin West	360.0025	31.67	72.3941

FDOT 100 Year Node Max

Scenario	Sim	Node Name	Relative Time [hrs]	Maximum Stage [ft]	Time to Maximum Stage [hrs]
Scenario1	100YR-1HR	Lake Basin East	360.0073	29.80	3.6502
Scenario1	100YR-1HR	Lake Basin West	360.0073	30.21	1.8583
Scenario1	100YR-1HR	Site Basin East	360.0073	30.46	0.9313
Scenario1	100YR-1HR	Site Basin West	360.0073	30.85	1.1323
Scenario1	100YR-24HR	Lake Basin East	360.0029	31.79	24.4695
Scenario1	100YR-24HR	Lake Basin West	360.0029	31.80	24.4029
Scenario1	100YR-24HR	Site Basin East	360.0029	31.80	24.3612
Scenario1	100YR-24HR	Site Basin West	360.0029	31.80	24.3529
Scenario1	100YR-2HR	Lake Basin East	360.0017	30.22	4.2767
Scenario1	100YR-2HR	Lake Basin West	360.0017	30.66	2.4560
Scenario1	100YR-2HR	Site Basin East	360.0017	30.41	1.0908
Scenario1	100YR-2HR	Site Basin West	360.0017	30.95	1.9099
Scenario1	100YR-4HR	Lake Basin East	360.0080	30.65	5.8913
Scenario1	100YR-4HR	Lake Basin West	360.0080	31.00	4.1389
Scenario1	100YR-4HR	Site Basin East	360.0080	30.65	6.0413
Scenario1	100YR-4HR	Site Basin West	360.0080	31.20	3.5731
Scenario1	100YR-72HR	Lake Basin East	360.0017	31.96	68.8434
Scenario1	100YR-72HR	Lake Basin West	360.0017	31.97	68.7684
Scenario1	100YR-72HR	Site Basin East	360.0017	31.96	68.7434
Scenario1	100YR-72HR	Site Basin West	360.0017	31.97	68.6267
Scenario1	100YR-8HR	Lake Basin East	360.0065	31.28	9.2648
Scenario1	100YR-8HR	Lake Basin West	360.0065	31.30	8.3232
Scenario1	100YR-8HR	Site Basin East	360.0065	31.28	9.3648
Scenario1	100YR-8HR	Site Basin West	360.0065	31.41	5.5539



Appendix L: Recovery Analysis

StormWise Recovery Analysis Design Assumptions and Calculations

Time/Stage Node-Dry Retention (Abatement Volume)
Dry Retention node set at initial stage required by BMP Trains. The volume required by BMP Trains is 0.81 ac-ft. Please see enclosed calculation noting retention elevation if 29.42 FT-NAVD provides 0.82 ac-ft for the project.

Saturated Horizontal Hydraulic Conductivity
Please see enclosed Geotechnical report and associated excerpts in this report. There 5 exfiltration tests conducted for the site with average of 57.53 ft/day which was used.

Unsaturated Vertical Hydraulic Conductivity
The MODRET Design manual provides recommendations for determining the vertical permeability, saturated and unsaturated, based on the known horizontal permeability and per the following guidelines and equations:

Saturated Horizontal Conductivity = K_H = 57.53 ft/day

Saturated Vertical Permeability (K_V) = Saturated Horizontal Permeability (K_H)/1.5
K_V = 57.53/1.5 = 38.35 ft/day

Unsaturated Vertical Permeability (K_{VU}) = Saturated Vertical Permeability (K_V)*(2/3)
K_{VU} = 38.35 ft*(2/3) = 25.57 ft/day

Aquifer Base Elevation

Elevation of effective aquifer base is the depth to the semi-conforming soil layer or poorly permeable soil layer that occurs below the stormwater retention pond area. A geotechnical report was completed by UES and the borings were reviewed. The depth to the effective base is approximately 12.3 feet below existing grade. The average existing grade is 28.1 FT-NAVD. See list of the borings with existing grade, depth to confining layer, and associated elevation enclosed. The average 15.8 FT-NAVD was used.

Percolation Link Inputs- Computation Parameters, Rectangular Pond Per StormWise Technical Reference Section 3.4.9.2.9.2. Dry retention 1 and 2 connected by large pipe and modeled as average. Dry retention 3 modeled as such.

Dry Retention 1
Perimeter 1: P1=2(L+W)=2(50+80)=260 ft
Perimeter 2: P1+2πr=426 + 2*π*50=574 ft
Perimeter 3: P1+2πr=426 + 2*π*450=3,086 ft
Distance P1 to P2: 50 ft
Distance P2 to P3: 450 ft
# of Cells P1 to P2: 5
# of Cells P2 to P3: 10

Dry Retention 2

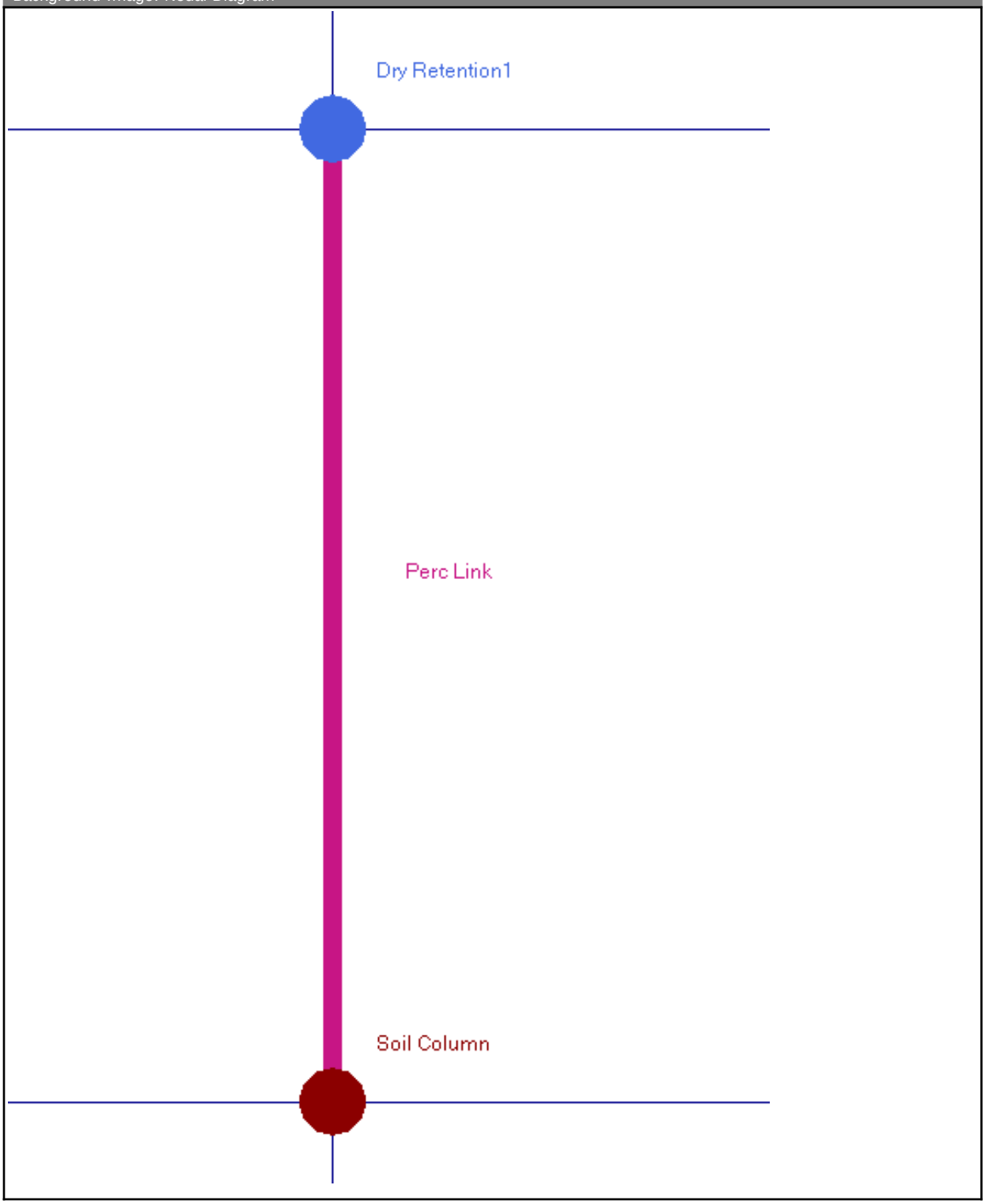
Perimeter 1: P1=2(L+W)=2(265+134)=788 ft
Perimeter 2: P1+2πr=818 + 2*π*50=1,102 ft
Perimeter 3: P1+2πr=818 + 2*π*450=3,614 ft
Distance P1 to P2: 50 ft
Distance P2 to P3: 450 ft
# of Cells P1 to P2: 5
# of Cells P2 to P3: 10

Dry Retention 3

Perimeter 1: P1=2(L+W)=2(485+35)=1,040 ft
Perimeter 2: P1+2πr=1,410 + 2*π*50=1,354 ft
Perimeter 3: P1+2πr=1,410 + 2*π*450=3,866 ft
Distance P1 to P2: 50 ft
Distance P2 to P3: 450 ft
# of Cells P1 to P2: 5
# of Cells P2 to P3: 10

StormWise Input Summary – Dry Retention 1

Background Image: Nodal Diagram



Node: Dry Retention1

Scenario:	Scenario1
Type:	Stage/Area
Base Flow:	0.00 cfs
Initial Stage:	29.42 ft
Warning Stage:	0.00 ft
Alert Stage:	0.00 ft

INITIAL STAGE SET AT WEIR INVERT ELEVATION

Stage [ft]	Area [ac]	Area [ft2]
28.00	0.0100	436
29.00	0.1300	5663
31.00	0.2000	8712

Comment: Initial Stage set at retention elevation of 29.42 FT-NAVD

Node: Soil Column

Scenario:	Scenario1
Type:	Time/Stage
Base Flow:	0.00 cfs
Initial Stage:	28.00 ft
Warning Stage:	0.00 ft
Alert Stage:	0.00 ft
Boundary Stage:	

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	28.00
0	0	0	72.0000	28.00
0	0	0	90.0000	28.00

Comment:

Percolation Link: Perc Link

Scenario:	Scenario1	Surface Area Option:	Use 1st Point in Stage/Area Table
From Node:	Dry Retention1		
To Node:	Soil Column	Vertical Flow Termination:	Horizontal Flow Algorithm
Link Count:	1	Perimeter 1:	260.00 ft
Flow Direction:	Both	Perimeter 2:	574.00 ft
Aquifer Base Elevation:	15.80 ft	Perimeter 3:	3086.00 ft
Water Table Elevation:	28.00 ft	Distance P1 to P2:	50.00 ft
Annual Recharge Rate:	0 ipy	Distance P2 to P3:	450.00 ft
Horizontal Conductivity:	57.530 fpd	# of Cells P1 to P2:	5
Vertical Conductivity:	25.570 fpd	# of Cells P2 to P3:	10
Fillable Porosity:	0.200		
Layer Thickness:	0.00 ft		

Comment:

Simulation: Slug Load

Scenario: Scenario1
Run Date/Time: 3/20/2026 2:23:32 PM
Program Version: StormWise 4.08.03

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	80.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	45.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	45.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:

Tolerances & Options

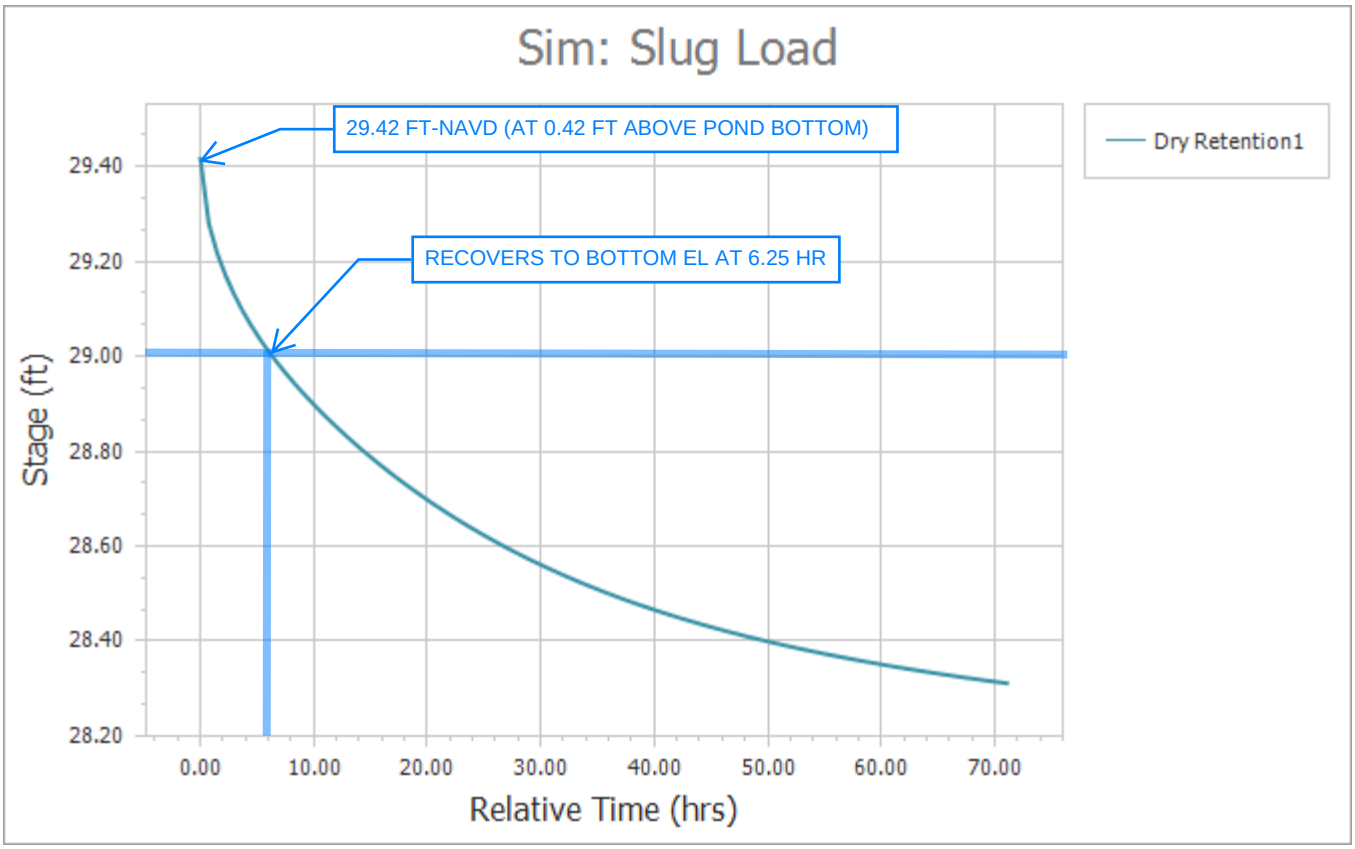
Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft

IA Recovery Time: 24.0000 hr
Ia/S: 0.20 dec

Max dZ:	1.0000 ft	Smp/Man Basin Rain Opt:	No Rainfall
Link Optimizer Tol:	0.0001 ft		
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

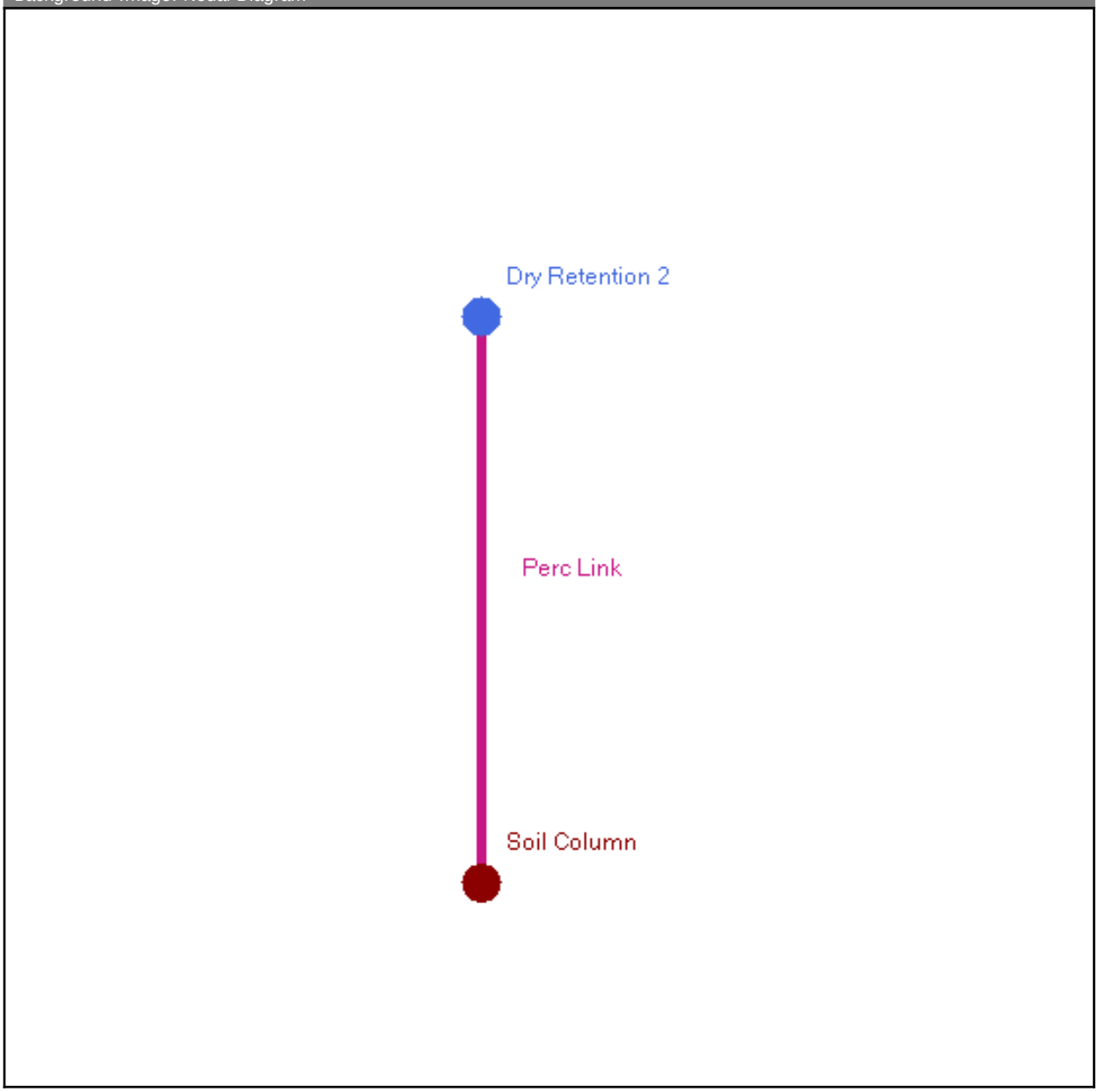
Comment:

Recovery Chart – StormWise - Dry Retention 1


Sim: Slug Load
29.42 FT-NAVD (AT 0.42 FT ABOVE POND BOTTOM)
RECOVERS TO BOTTOM EL AT 6.25 HR
Dry Retention1
Stage (ft)
29.40
29.20
29.00
28.80
28.60
28.40
28.20
0.00
10.00
20.00
30.00
40.00
50.00
60.00
70.00
Relative Time (hrs)

StormWise Input Summary – Dry Retention 2

Background Image: Nodal Diagram



Node: Dry Retention 2

Scenario:	Scenario1
Type:	Stage/Area
Base Flow:	0.00 cfs
Initial Stage:	29.42 ft
Warning Stage:	0.00 ft
Alert Stage:	0.00 ft

INITIAL STAGE SET AT WEIR INVERT ELEVATION

Stage [ft]	Area [ac]	Area [ft2]
28.00	0.0100	436
29.00	0.8000	34848
31.00	0.9500	41382

Comment: Initial Stage set at retention elevation of 29.42 FT-NAVD

Node: Soil Column

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 28.00 ft
Warning Stage: 0.00 ft
Alert Stage: 0.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	28.00
0	0	0	72.0000	28.00
0	0	0	90.0000	28.00

Comment:

Percolation Link: Perc Link

Scenario: Scenario1
From Node: Dry Retention 2
To Node: Soil Column
Link Count: 1
Flow Direction: Both
Aquifer Base Elevation: 15.80 ft
Water Table Elevation: 28.00 ft
Annual Recharge Rate: 0 ipy
Horizontal Conductivity: 57.530 fpd
Vertical Conductivity: 25.570 fpd
Fillable Porosity: 0.200
Layer Thickness: 0.00 ft

Surface Area Option: Use 1st Point in Stage/Area Table
Vertical Flow Termination: Horizontal Flow Algorithm
Perimeter 1: 788.00 ft
Perimeter 2: 1102.00 ft
Perimeter 3: 3614.00 ft
Distance P1 to P2: 50.00 ft
Distance P2 to P3: 450.00 ft
# of Cells P1 to P2: 5
# of Cells P2 to P3: 10

Comment:

Simulation: Slug Load

Scenario: Scenario1
Run Date/Time: 3/20/2026 2:58:18 PM

Program Version: StormWise 4.08.03

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	80.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	45.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	45.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:

Tolerances & Options

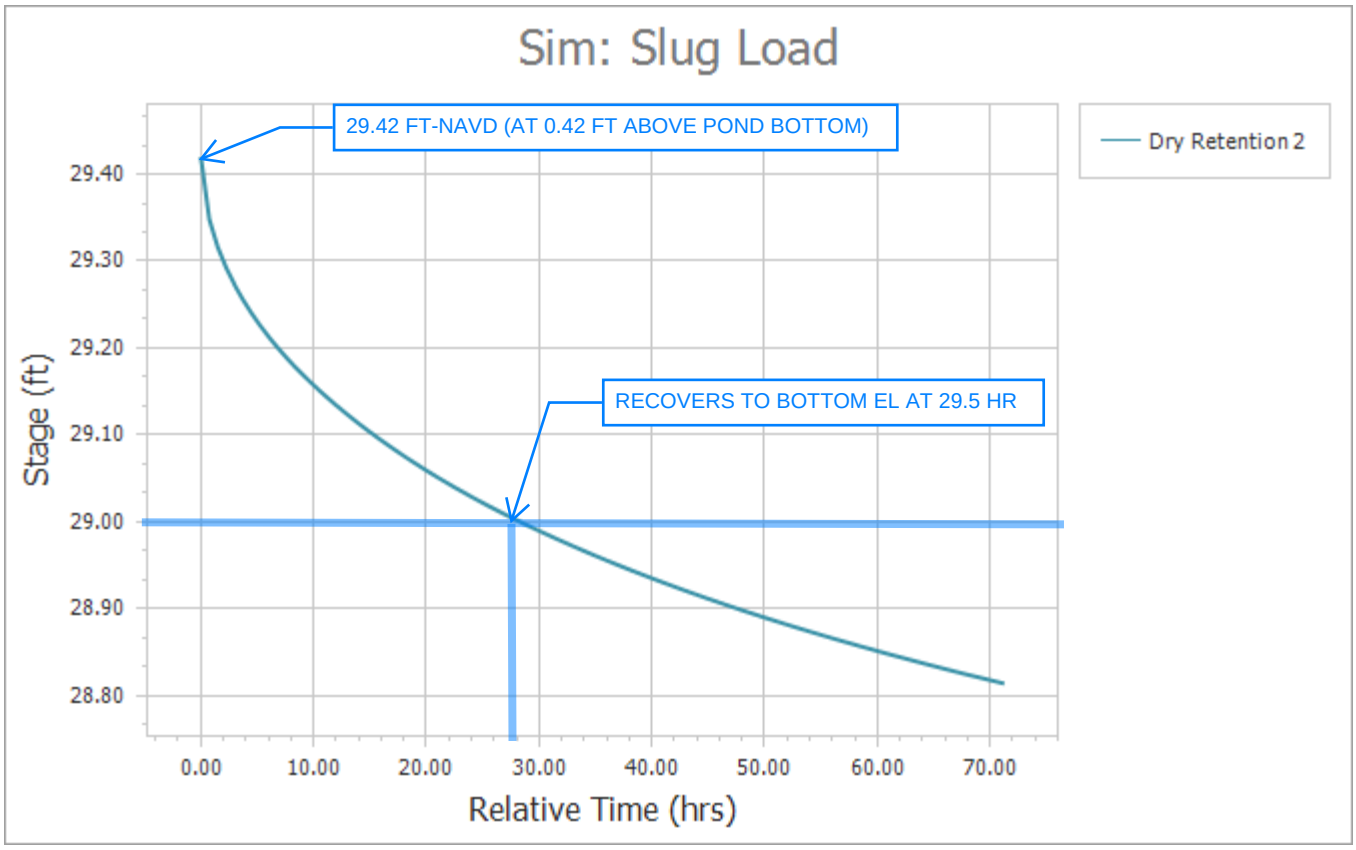
Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft

IA Recovery Time: 24.0000 hr
Ia/S: 0.20 dec
Smp/Man Basin Rain Opt: No Rainfall

Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (1D):	100 ft2
Energy Switch (1D):	Energy

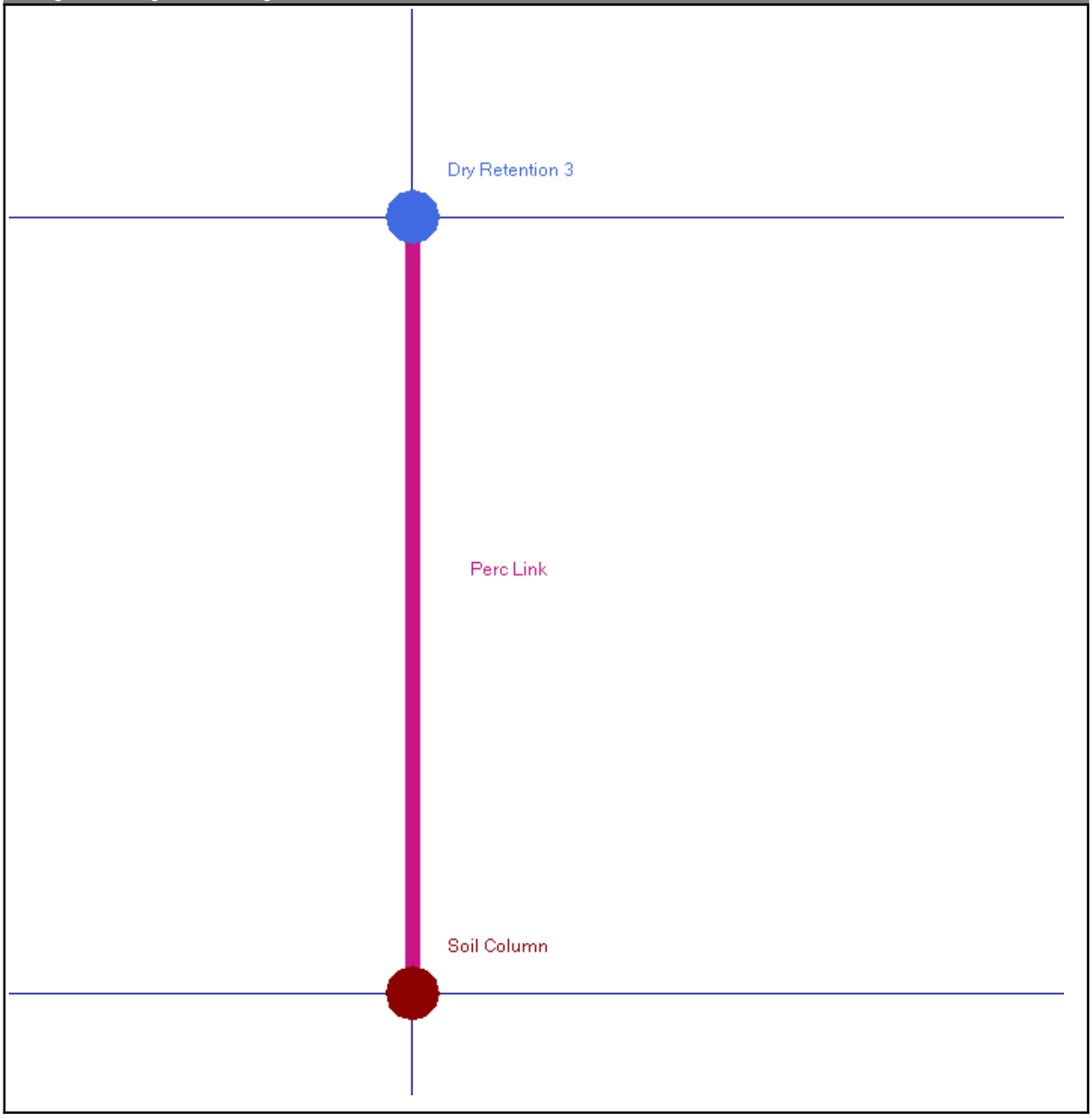
Comment:

Recovery Chart – StormWise - Dry Retention 2


Sim: Slug Load
29.42 FT-NAVD (AT 0.42 FT ABOVE POND BOTTOM)
RECOVERS TO BOTTOM EL AT 29.5 HR
Dry Retention 2
Stage (ft)
29.40
29.30
29.20
29.10
29.00
28.90
28.80
0.00
10.00
20.00
30.00
40.00
50.00
60.00
70.00
Relative Time (hrs)

StormWise Input Summary – Dry Retention 3

Background Image: Nodal Diagram



Node: Dry Retention 3

Scenario:	Scenario1
Type:	Stage/Area
Base Flow:	0.00 cfs
Initial Stage:	29.42 ft

INITIAL STAGE SET AT WEIR INVERT ELEVATION

Warning Stage: 0.00 ft
Alert Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
28.00	0.0100	436
29.00	0.7500	32670
31.00	1.1100	48352

Comment: Initial Stage set at retention elevation of 29.42 FT-NAVD

Node: Soil Column

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 28.00 ft
Warning Stage: 0.00 ft
Alert Stage: 0.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	28.00
0	0	0	72.0000	28.00
0	0	0	90.0000	28.00

Comment:

Percolation Link: Perc Link

Scenario: Scenario1
From Node: Dry Retention 3
To Node: Soil Column
Link Count: 1
Flow Direction: Both
Aquifer Base Elevation: 15.80 ft
Water Table Elevation: 28.00 ft
Annual Recharge Rate: 0 ipy
Horizontal Conductivity: 57.530 fpd
Vertical Conductivity: 25.570 fpd
Fillable Porosity: 0.200
Layer Thickness: 0.00 ft

Surface Area Option: Use 1st Point in Stage/Area Table
Vertical Flow Termination: Horizontal Flow Algorithm
Perimeter 1: 1040.00 ft
Perimeter 2: 1354.00 ft
Perimeter 3: 3866.00 ft
Distance P1 to P2: 50.00 ft
Distance P2 to P3: 450.00 ft
# of Cells P1 to P2: 5
# of Cells P2 to P3: 10

Comment:

Simulation: Slug Load

Scenario: Scenario1
Run Date/Time: 3/20/2026 3:02:50 PM
Program Version: StormWise 4.08.03

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	80.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	45.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	45.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:

Green-Ampt Set:
Vertical Layers Set:
Impervious Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft

IA Recovery Time: 24.0000 hr

Ia/S: 0.20 dec

Smp/Man Basin Rain No Rainfall

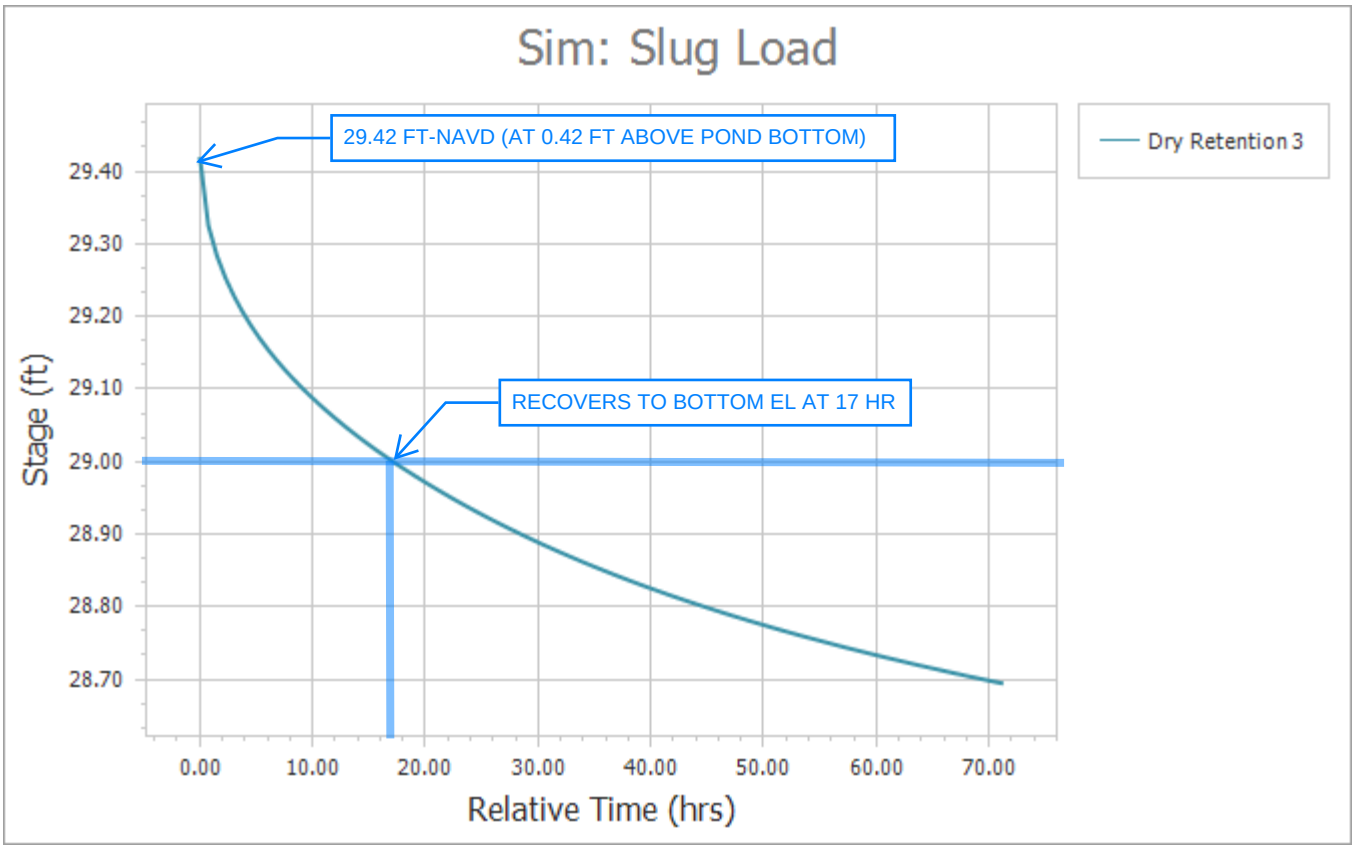
Opt:

Link Optimizer Tol: 0.0001 ft

Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (1D):	100 ft2
Energy Switch (1D):	Energy

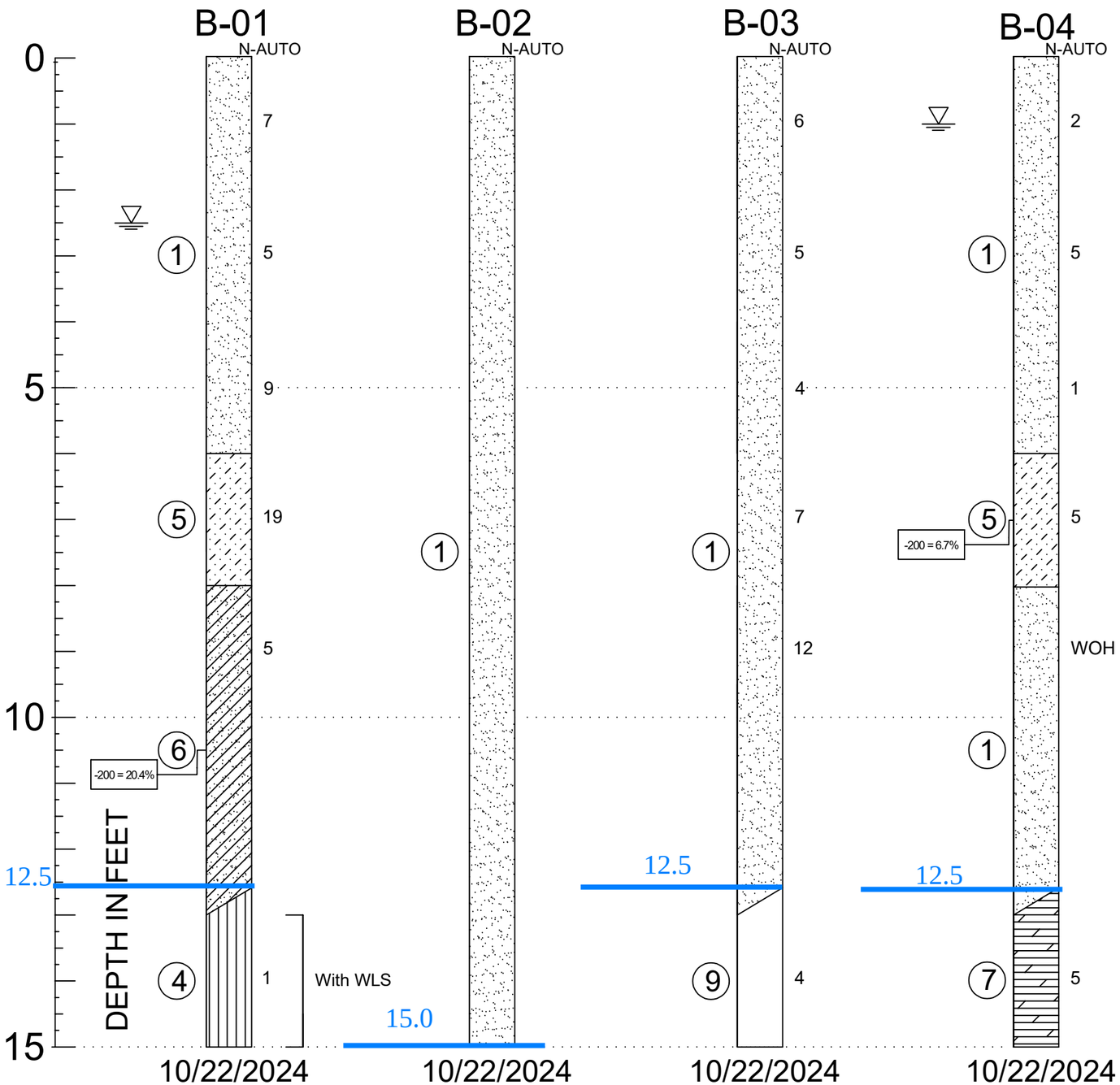
Comment:

Recovery Chart – StormWise - Dry Retention 3

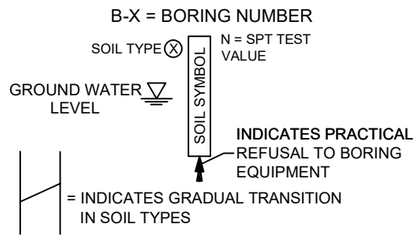

Sim: Slug Load
29.42 FT-NAVD (AT 0.42 FT ABOVE POND BOTTOM)
RECOVERS TO BOTTOM EL AT 17 HR
Dry Retention 3
Stage (ft)
29.40
29.30
29.20
29.10
29.00
28.90
28.80
28.70
0.00
10.00
20.00
30.00
40.00
50.00
60.00
70.00
Relative Time (hrs)

Soil Borings for Effective Aquifer Base

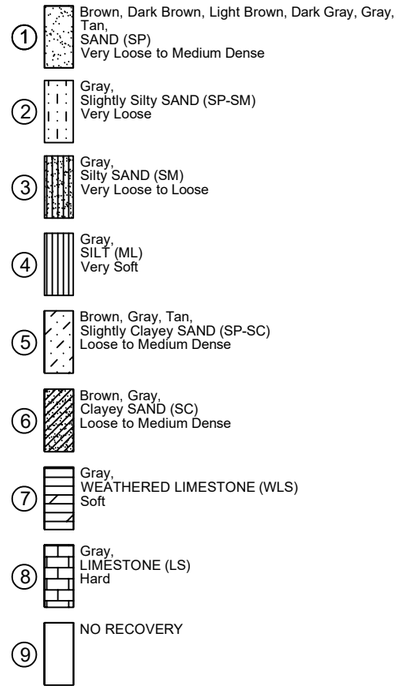
SOIL PROFILES



SOIL PROFILE LEGEND



SOIL LEGEND



NOTES:

N - STANDARD PENETRATION RESISTANCE TEST (SPT) VALUE. NUMBERS TO THE RIGHT OF BORINGS INDICATE SPT VALUE FOR 12-INCHES OF PENETRATION (UNLESS OTHERWISE NOTED).

WOH - BORING INTERVAL ADVANCED UNDER WEIGHT OF HAMMER.

LFC - LOSS OF DRILLING FLUID CIRCULATION.

WLS - WEATHERED LIMESTONE

HD - HARD DRILLING

-200 - AMOUNT OF SOIL FINES PASSING NO. 200 SIEVE

MC - MOISTURE CONTENT

HA - NO RECORDED N VALUE DUE TO HAND AUGERING PROCEDURE

SOIL CLASSIFICATION

CORRELATION OF N - VALUES WITH RELATIVE DENSITY AND CONSISTENCY

COHESIONLESS SOIL

N - VALUE (SAFETY)	N - VALUE (AUTO)	RELATIVE DENSITY
0 - 3	0 - 3	VERY LOOSE
4 - 10	4 - 8	LOOSE
11 - 30	9 - 24	MEDIUM DENSE
31 - 50	25 - 40	DENSE
OVER 50	OVER 40	VERY DENSE

SILTS AND CLAYS

N - VALUE (SAFETY)	N - VALUE (AUTO)	CONSISTENCY
0 - 2	0 - 1	VERY SOFT
3 - 5	2 - 4	SOFT
6 - 7	5 - 6	FIRM
8 - 15	7 - 12	STIFF
16 - 30	13 - 24	VERY STIFF
OVER 30	OVER 24	HARD

CORRELATION OF N - VALUES WITH HARDNESS DESCRIPTION

LIMEROCK

N - VALUE	RELATIVE DENSITY
0 - 50	SOFT
51 - 50/0"	HARD

APPROXIMATE FINES CONTENT / MODIFIERS

5% TO 12%	SLIGHTLY SILTY OR SLIGHTLY CLAYEY
12% TO 25%	SILTY OR CLAYEY
26% TO 49%	VERY SILTY OR VERY CLAYEY

APPROXIMATE SHELL CONTENT / MODIFIERS

0% TO 5%	NO MENTION
5% TO 12%	SLIGHTLY SHELLY
13% TO 30%	SHELLY
31% TO 50%	VERY SHELLY

APPROXIMATE ORGANIC CONTENT / MODIFIERS

0% TO 2.5%	NO MENTION
2.5% TO 5%	WITH A TRACE
5% TO 20%	WITH ORGANICS
20% TO 75%	HIGHLY ORGANIC
75% TO 100%	PEAT

DEFINITION OF DESCRIPTIVE TERMS OF MODIFIERS FOR SILTS/CLAYS/SHELLS/GRAVELS ARE DESCRIBED AS FOLLOWS:

PERCENTAGE OF MODIFIER MATERIAL	FIRST QUALIFIER	SECOND QUALIFIER
5 - 12	SLIGHTLY + MODIFIER + Y	WITH A LITTLE
12 - 30	MODIFIER + Y	WITH SOME
30 - 50	VERY + MODIFIER + Y	AND

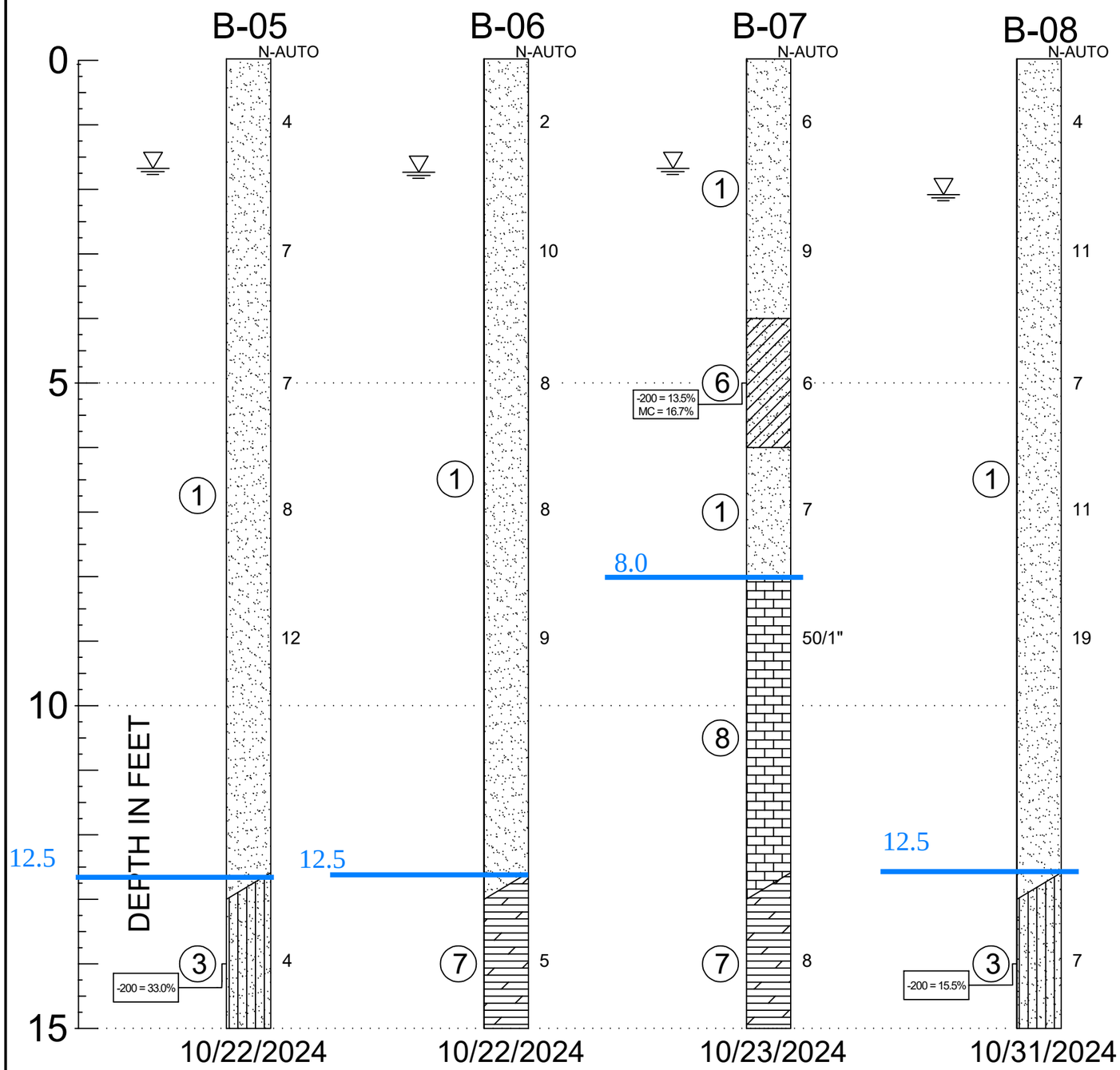
RECORD OF TEST BORINGS

UES
201 Waldo Ave. N.
Lehigh Acres, Florida 33971
239-489-2443
www.teamues.com

Client: Casto Southeast Realty Services
Project No: 0530.2400296.0000
Project:
Blackstone Retail
SR-82 & Blackstone Drive
Lehigh Acres, Lee County, Florida

Date: 12/03/2024
RIG: GP-7822/CME-45/55
Drilled By: LSJ/LS/DB
Drawn By: AM
Approved By: AJD

SOIL PROFILES



SOIL PROFILE LEGEND

B-X = BORING NUMBER

SOIL TYPE (X) — SOIL SYMBOL — N = SPT TEST VALUE

GROUND WATER LEVEL

INDICATES PRACTICAL REFUSAL TO BORING EQUIPMENT

= INDICATES GRADUAL TRANSITION IN SOIL TYPES

SOIL LEGEND

1. Brown, Dark Brown, Light Brown, Dark Gray, Gray, Tan, SAND (SP) Very Loose to Medium Dense
2. Gray, Slightly Silty SAND (SP-SM) Very Loose
3. Gray, Silty SAND (SM) Very Loose to Loose
4. Gray, SILT (ML) Very Soft
5. Brown, Gray, Tan, Slightly Clayey SAND (SP-SC) Loose to Medium Dense
6. Brown, Gray, Clayey SAND (SC) Loose to Medium Dense
7. Gray, WEATHERED LIMESTONE (WLS) Soft
8. Gray, LIMESTONE (LS) Hard
9. NO RECOVERY

NOTES:

N - STANDARD PENETRATION RESISTANCE TEST (SPT) VALUE. NUMBERS TO THE RIGHT OF BORINGS INDICATE SPT VALUE FOR 12-INCHES OF PENETRATION (UNLESS OTHERWISE NOTED).

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HD - HARD DRILLING

-200 - AMOUNT OF SOIL FINES PASSING NO. 200 SIEVE

MC - MOISTURE CONTENT

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SOIL CLASSIFICATION

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COHESIONLESS SOIL

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11 - 30	9 - 24	MEDIUM DENSE
31 - 50	25 - 40	DENSE
OVER 50	OVER 40	VERY DENSE

SILTS AND CLAYS

N - VALUE (SAFETY)	N - VALUE (AUTO)	CONSISTENCY
0 - 2	0 - 1	VERY SOFT
3 - 5	2 - 4	SOFT
6 - 7	5 - 6	FIRM
8 - 15	7 - 12	STIFF
16 - 30	13 - 24	VERY STIFF
OVER 30	OVER 24	HARD

CORRELATION OF N - VALUES WITH HARDNESS DESCRIPTION

LIMEROCK

N - VALUE	RELATIVE DENSITY
0 - 50	SOFT
51 - 50/0"	HARD

APPROXIMATE FINES CONTENT / MODIFIERS

FINES CONTENT	MODIFIERS
5% TO 12%	SLIGHTLY SILTY OR SLIGHTLY CLAYEY
12% TO 25%	SILTY OR CLAYEY
26% TO 49%	VERY SILTY OR VERY CLAYEY

APPROXIMATE SHELL CONTENT / MODIFIERS

SHELL CONTENT	MODIFIERS
0% TO 5%	NO MENTION
5% TO 12%	SLIGHTLY SHELLY
13% TO 30%	SHELLY
31% TO 50%	VERY SHELLY

APPROXIMATE ORGANIC CONTENT / MODIFIERS

ORGANIC CONTENT	MODIFIERS
0% TO 2.5%	NO MENTION
2.5% TO 5%	WITH A TRACE
5% TO 20%	WITH ORGANICS
20% TO 75%	HIGHLY ORGANIC
75% TO 100%	PEAT

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5 - 12	SLIGHTLY + MODIFIER + Y	WITH A LITTLE
12 - 30	MODIFIER + Y	WITH SOME
30 - 50	VERY + MODIFIER + Y	AND

RECORD OF TEST BORINGS

UES
201 Waldo Ave. N.
Lehigh Acres, Florida 33971
239-489-2443
www.teamues.com

Client: Casto Southeast Realty Services
Project No: 0530.2400296.0000
Project:
Blackstone Retail
SR-82 & Blackstone Drive
Lehigh Acres, Lee County, Florida

Date: 12/03/2024
RIG: GP-7822/CME-45/55
Drilled By: LSJ/LS/DB
Drawn By: AM
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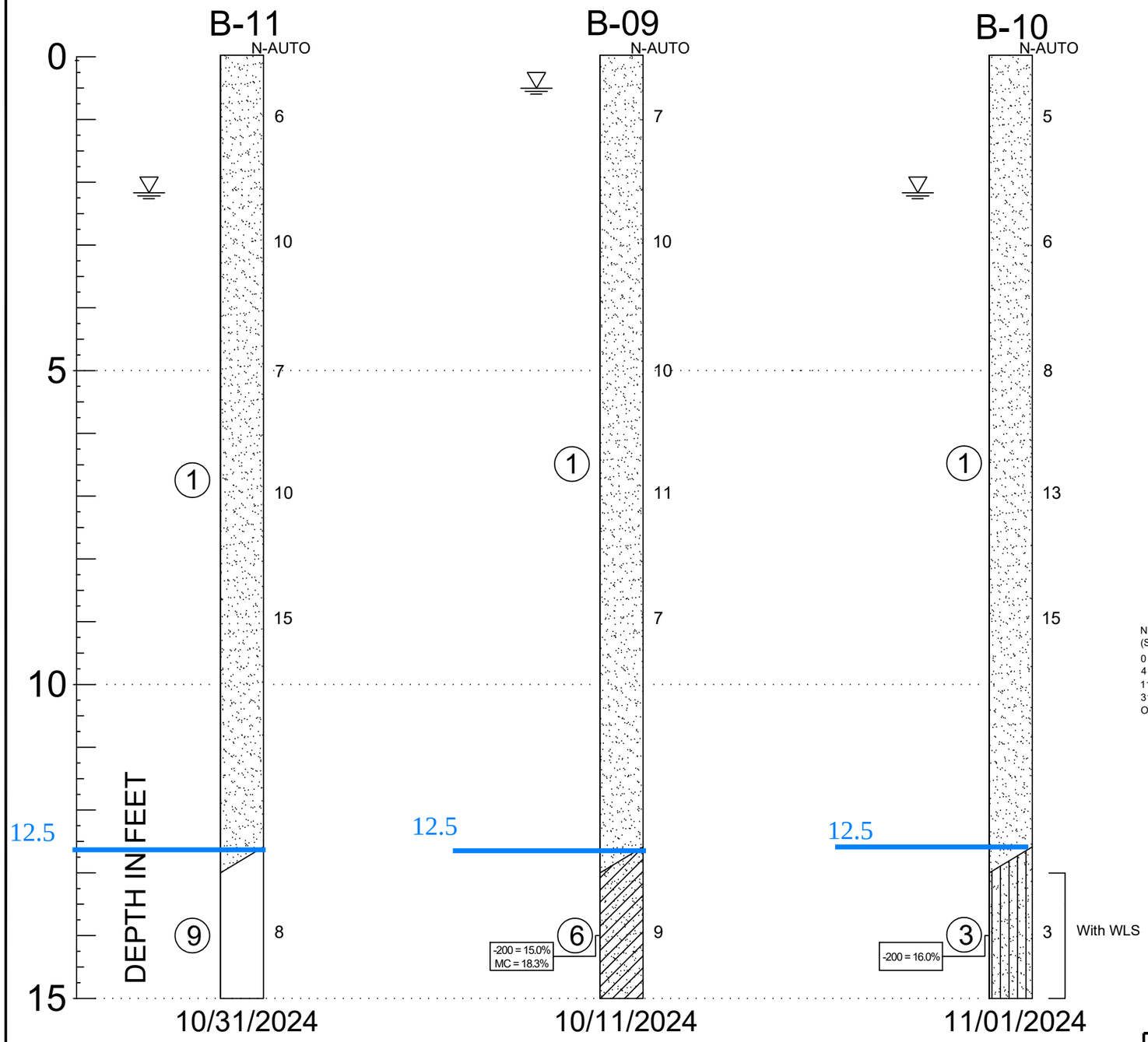
SOIL PROFILES



SOIL PROFILE LEGEND

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SOIL TYPE (X) — SOIL SYMBOL — N = SPT TEST VALUE

GROUND WATER LEVEL

INDICATES PRACTICAL REFUSAL TO BORING EQUIPMENT

= INDICATES GRADUAL TRANSITION IN SOIL TYPES

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COHESIONLESS SOIL			SILTS AND CLAYS		
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11 - 30	9 - 24	MEDIUM DENSE	6 - 7	5 - 6	FIRM
31 - 50	25 - 40	DENSE	8 - 15	7 - 12	STIFF
OVER 50	OVER 40	VERY DENSE	16 - 30	13 - 24	VERY STIFF
			OVER 30	OVER 24	HARD

CORRELATION OF N - VALUES WITH HARDNESS DESCRIPTION

LIMEROCK	
N - VALUE	RELATIVE DENSITY
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51 - 50/0"	HARD

APPROXIMATE FINES CONTENT	MODIFIERS
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75% TO 100%	PEAT

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PERCENTAGE OF MODIFIER MATERIAL	FIRST QUALIFIER	SECOND QUALIFIER
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12 - 30	MODIFIER + Y	WITH SOME
30 - 50	VERY + MODIFIER + Y	AND

RECORD OF TEST BORINGS

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Lehigh Acres, Florida 33971
239-489-2443
www.teamues.com

Client: Casto Southeast Realty Services
Project No: 0530.2400296.0000
Project:
Blackstone Retail
SR-82 & Blackstone Drive
Lehigh Acres, Lee County, Florida

Date: 12/03/2024
RIG: GP-7822/CME-45/55
Drilled By: LSJ/LS/DB
Drawn By: AM
Approved By: AJD

SURVEY PLAT

OF

A TRACT OR PARCEL OF LAND LYING IN
SECTION 20, TOWNSHIP 45 SOUTH, RANGE 27 EAST,
LEE COUNTY, FLORIDA

LEGEND:

PG.	INDICATES PAGE
PGS.	INDICATES PAGES
MB	INDICATES MAIL BOX
FV	INDICATES FIRE VALVE
LP	INDICATES LIGHT POLE
P.B.	INDICATES PLAT BOOK
S.R.	INDICATES STATE ROAD
CB	INDICATES CATCH BASIN
WV	INDICATES WATER VALVE
WM	INDICATES WATER METER
FH	INDICATES FIRE HYDRANT
R/W	INDICATES RIGHT-OF-WAY
28	INDICATES NOT NUMBER 28
-OH-	INDICATES OVERHEAD LINES
U.E.	INDICATES UTILITY EASEMENT
FOB	INDICATED FIBER OPTICS BOX
O.R.	INDICATES OFFICIAL RECORDS
GWA	INDICATES GUY WIRE ANCHOR
WPP	INDICATES WOOD POWER POLE
FOR	INDICATES FIBER OPTICS RISER
ES	INDICATES ELECTRICAL SERVICE
P.O.B.	INDICATES POINT OF BEGINNING
FOV	INDICATES FIBER OPTICS VAULT
D.E.	INDICATES DRAINAGE EASEMENT
I.N.	INDICATES INSTRUMENT NUMBER
MES	INDICATES MITERED END SECTION
SMH	INDICATES STORMWATER MANHOLE
ID.#	INDICATES IDENTIFICATION NUMBER
P.I.	INDICATES POINT OF INTERSECTION
OPP	INDICATES CONCRETE POWER POLE
P.O.C.	INDICATES POINT OF COMMENCEMENT
TSR	INDICATES TELEPHONE SERVICE RISER
CATV	INDICATES CABLE TELEVISION SERVICE
SSMH	INDICATES SANITARY SEWER MANHOLE
L1	INDICATES LIEN DATA: SEE LINE TABLE
RCP	INDICATES REINFORCED CONCRETE PIPE
ESH	INDICATES ELECTRIC SERVICE HANDHOLE
C1	INDICATES CURVE DATA: SEE CURVE TABLE
P.S.M.	INDICATES PROFESSIONAL SURVEYOR AND MAPPER
F.D.O.T.	INDICATES FLORIDA DEPARTMENT OF TRANSPORTATION
NAVD 88	INDICATES NORTH AMERICAN VERTICAL DATUM OF 1988
CORS	INDICATES CONTINUOUSLY OPERATING REFERENCE STATION
I.R.	INDICATES 5/8" IRON ROD "ATWELL LB 7832" UNLESS OTHERWISE NOTED
N:802603.30 E:774404.02	INDICATES THE "STATE PLANE COORDINATE SYSTEM" FLORIDA ZONE WEST NAD 83/2011 (CORS)

CURVE TABLE

CURVE	RADIUS	DELTA	ARC	CHORD	CHORD BEARING
C1	30.00'	90°00'00"	47.12'	42.43'	N 84°52'15" E
C2	1045.92'	25°00'22"	456.48'	452.86'	S 37°37'34" E

NOTE: ALL LOT, BLOCK, PARCELS, TRACTS, AND EASEMENTS, UNLESS OTHERWISE NOTED, ARE PART OF UNITS 1 THRU 73, MIRROR LAKES, S SUBDIVISION OF LEHIGH ACRES, RECORDED IN PLAT BOOK 27, PAGES 83 THRU 160, PUBLIC RECORDS OF LEE COUNTY, FLORIDA.(ITEM 6&7)

SEE SHEET 1 OF 3 FOR SURVEYOR'S NOTES AND CERTIFICATION

SEE SHEET 3 OF 3 FOR DETAILS

NO.	DATE	REVISION DESCRIPTION	BY

ATWELL
866.850.4200 www.atwell-group.com
10511 SIX MILE CYPRESS PARKWAY – SUITE 101
FORT MYERS, FLORIDA 33966
(239) 939-5490 – LB# 7832

ALTA/NSPS LAND TITLE SURVEY

FORT MYERS BLACKSTONE

LEE COUNTY, FLORIDA

DATE	PROJECT	DRAWING	DRAWN	CHECKED	SCALE	SHEET	OF	FILE NO. (S-T-R)
07-09-2024	24003608	ALTA-NSPS SR	JPB	AMV	1" = 150'	2	3	20-45-27

Ksat from Testing

2.6 Exfiltration Test Results

As requested, UES performed five (5) constant head usual open hole tests at the desired locations. The detailed test results are attached in "Appendix F: Laboratory & Exfiltration Testing Results". A summary of the test results of the SFWMD's Usual Open Hole Test, the hydraulic conductivity rates are shown in Table 2 below.

TABLE 2: EXFILTRATION TEST RESULTS		
Test Location	**Hydraulic Conductivity Result**	AVERAGE=57.53 FT/DAY
EX-1	6.23E-04 cfs/ft^2-ft.head	53.83 ft/day
EX-2	7.29E-04 cfs/ft^2-ft.head	62.99 ft/day
EX-3	4.98E-04 cfs/ft^2-ft.head	43.03 ft/day
EX-4	6.21E-04 cfs/ft^2-ft.head	53.65 ft/day
EX-5	8.58E-04 cfs/ft^2-ft.head	74.13 ft/day

UES performs hydraulic conductivity tests using generally accepted practices of the local stormwater management system design. However, the user of this information is cautioned that the potential variability of results and reproducibility associated with these influencing the permeability of a soil. These factors include, but are not limited to, soil grain size, soil particle arrangement and structure, dispersion of soil fines, density, and degree of saturation, soil heterogeneity, and soil anisotropy. Also, the permeability measured by such tests may not be representative of that of the total effective aquifer thickness. Factors of safety can compensate for part of the inherent test limitations but the designer must exercise judgment regarding final selection and applicability of provided soil design input parameters. Should the modeling analysis indicate marginally acceptable compliance with Water Management District design criteria, it may be advisable to perform more extensive and representative in-situ permeability testing by installing grouted piezometers or wells for slug testing. UES can perform these field tests if desired.

3.0 ENGINEERING EVALUATION AND RECOMMENDATIONS

3.1 General

A foundation system for any structure must be designed to resist bearing capacity failures, have settlements that are tolerable, and resist the environmental forces that the foundation may be subjected to over the life of the structure.

The soil bearing capacity is the soil's ability to support loads without plunging into the soil profile. Bearing capacity failures are analogous to shear failures in structural design and are usually sudden and catastrophic.

Appendix M: Nutrient Loading Report

BMP Trains Report

Complete Report (not including cost) Ver 4.3.5

Project: Blackstone Corporate Park
Date: 4/25/2026 7:29:53 AM

Site and Catchment Information

Analysis: Specified Removal Efficiency

Catchment Name	Site Basin	Offsite Compensation
Rainfall Zone	Florida Zone 4	Florida Zone 4
Annual Mean Rainfall	53.13	53.13

Pre-Condition Landuse Information

Landuse	User Defined Values	User Defined Values
Area (acres)	58.18	1.96
Rational Coefficient (0-1)	0.20	0.20
Non DCIA Curve Number	86.00	86.00
DCIA Percent (0-100)	0.00	0.00
Nitrogen EMC (mg/l)	2.290	1.250
Phosphorus EMC (mg/l)	0.381	0.173
Runoff Volume (ac-ft/yr)	51.209	1.725
Groundwater N (kg/yr)	0.000	0.000
Groundwater P (kg/yr)	0.000	0.000
Nitrogen Loading (kg/yr)	144.593	2.659
Phosphorus Loading (kg/yr)	24.057	0.368

AGRICULTURAL LAND USE PER TABLE 9.2 ERP HANDBOOK VOL. I

HIGHWAY LAND USE PER TABLE 9.2 ERP HANDBOOK VOL. I.

Post-Condition Landuse Information

Landuse	High-Intensity Commercial: TN=2.40 TP=0.345	User Defined Values
Area (acres)	58.18	1.96
Rational Coefficient (0-1)	0.60	0.82
Non DCIA Curve Number	88.60	86.00
DCIA Percent (0-100)	61.20	100.00
Wet Pond Area (ac)	8.91	0.00
Nitrogen EMC (mg/l)	2.400	1.250
Phosphorus EMC (mg/l)	0.345	0.173
Runoff Volume (ac-ft/yr)	130.348	7.142
Groundwater N (kg/yr)	0.000	0.000
Groundwater P (kg/yr)	0.000	0.000
Nitrogen Loading (kg/yr)	385.727	11.007
Phosphorus Loading (kg/yr)	55.448	1.523

HIGHWAY INTENSITY COMMERCIAL LAND PER TABLE 9.2 ERP HANDBOOK VOL. I.

Catchment Number: 1 Name: Site Basin

Project: Blackstone Corporate Park
Date: 4/25/2026

Multiple BMP in Series Design Parameters

BMP in Series Number: 1
BMP Type: Retention

Retention Depth (in)	0.199
Retention Volume (ac-ft)	0.817

BMP in Series Number: 2
BMP Type: Wet Detention

Permanent Pool Volume (ac-ft)	71.200
Permanent Pool Volume (ac-ft) for 31 days residence	11.071
Annual Residence Time (days)	199
Littoral Zone Efficiency Credit	10
Wetland Efficiency Credit	

BMP in Series Number: 3
BMP Type: Exfiltration

Pipe Span (in)	12.0
Pipe Rise (in)	12.0
Pipe Length (ft)	283.0
Trench Width (ft)	3.0
Trench Depth (ft)	3.0
Trench Length (ft)	283.0
Aggregate Void %	40.00
Storage Volume (Ac-ft)	2.14
Retention Depth (in over CA)	0.521

BMP in Series Number: 4
BMP Type: None

Watershed Characteristics

Catchment Area (acres)	58.18
Contributing Area (acres)	49.270
Non-DCIA Curve Number	88.60
DCIA Percent	61.20
Rainfall Zone	Florida Zone 4
Rainfall (in)	53.13

Surface Water Discharge

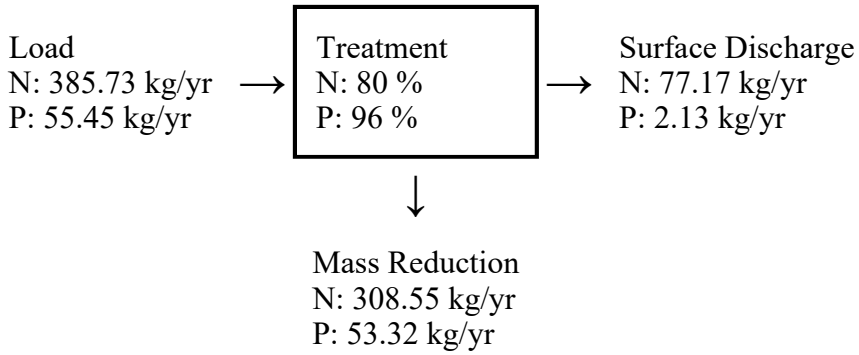
0.81 AC-FT REQUIRED OF RETENTION, SEE CALCULATION NOTED RETENTION EL 29.42 FT-NAVD MEETS THE REQUIREMENT, DRAWDOWN ANALYSIS ALSO RUN

PPV=12 FT*8.91AC=106.92 AC-FT, REDUCED IN MODEL TO 71.2 AC-FT TO ENSURE LESS THAN 200 RESIDENCE DAYS AS REQUIRED BY SFWMD

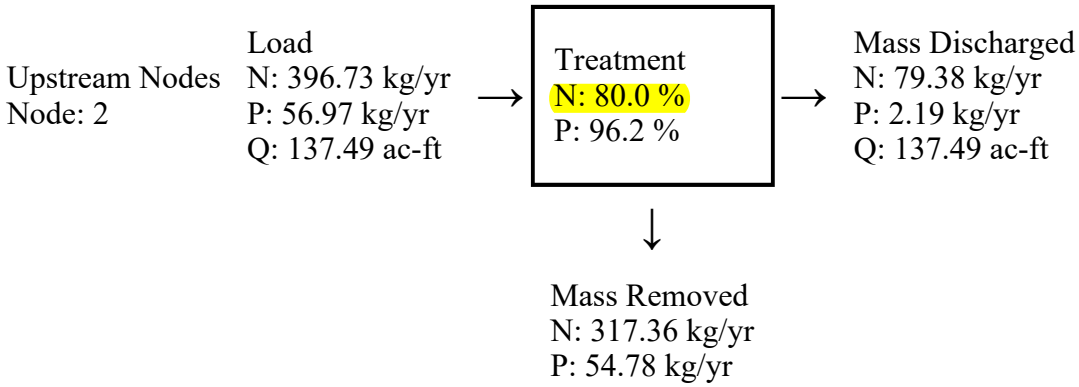
LESS THAN 200 DAYS

Required TN Treatment Efficiency (%)	80
Provided TN Treatment Efficiency (%)	80
Required TP Treatment Efficiency (%)	80
Provided TP Treatment Efficiency (%)	96

Load for Multiple BMP in Series



Load Diagram for Multiple BMP (As Used In Routing)



Catchment Number: 2 Name: Offsite Compensation

Project: Blackstone Corporate Park
Date: 4/25/2026

None Design

Watershed Characteristics

Catchment Area (acres)	1.96
Contributing Area (acres)	1.960
Non-DCIA Curve Number	86.00

DCIA Percent	100.00
Rainfall Zone	Florida Zone 4
Rainfall (in)	53.13

Surface Water Discharge

Required TN Treatment Efficiency (%)	80
Provided TN Treatment Efficiency (%)	
Required TP Treatment Efficiency (%)	80
Provided TP Treatment Efficiency (%)	

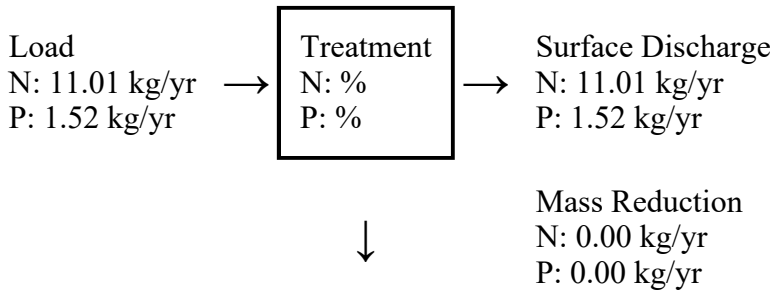
Media Mix Information

Type of Media Mix	Not Specified
Media N Reduction (%)	0.000
Media P Reduction (%)	0.000

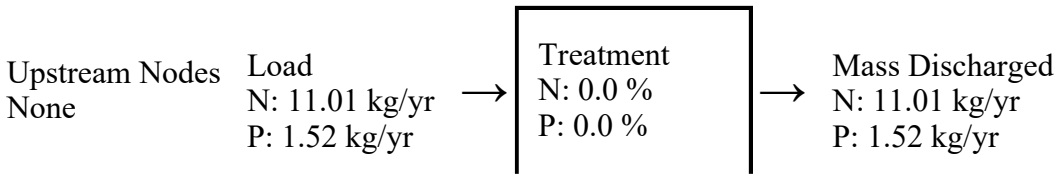
Groundwater Discharge (Stand-Alone)

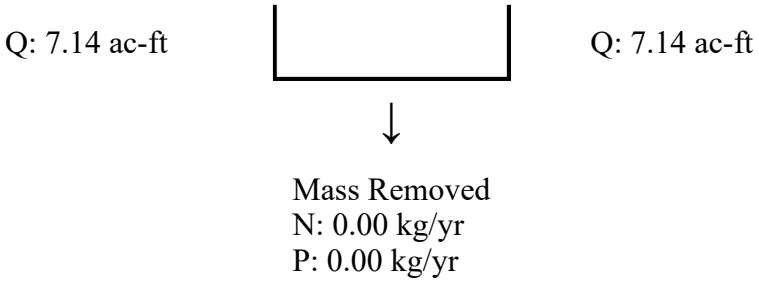
Treatment Rate (MG/yr)	0.000
TN Mass Load (kg/yr)	0.000
TN Concentration (mg/L)	0.000
TP Mass Load (kg/yr)	0.000
TP Concentration (mg/L)	0.000

Load Diagram for None (stand-alone)



Load Diagram for None (As Used In Routing)





Summary Treatment Report Version: 4.3.5

Project: Blackstone Corporate Park

Analysis Type: Specified Removal Efficiency

Date:4/25/2026

BMP Types:

Catchment 1 - (Site Basin) Multiple BMP

Catchment 2 - (Offsite Compensation) None

Based on % removal values to the nearest percent

Routing Summary

Catchment 1 Routed to Outlet

Catchment 2 Routed to Catchment 1

Total nitrogen target removal met? **Yes**

Total phosphorus target removal met? **Yes**

Summary Report

Nitrogen

Surface Water Discharge		
Total N pre load	147.25 kg/yr	
Total N post load	396.73 kg/yr	
Target N load reduction	80 %	
Target N discharge load	79.35 kg/yr	
Percent N load reduction	80 %	
Provided N discharge load	79.38 kg/yr	175.02 lb/yr
Provided N load removed	317.36 kg/yr	699.77 lb/yr

Phosphorus

Surface Water Discharge	
Total P pre load	24.425 kg/yr
Total P post load	56.972 kg/yr

Target P load reduction	80 %	
Target P discharge load	11.394 kg/yr	
Percent P load reduction	96 %	
Provided P discharge load	2.189 kg/yr	4.83 lb/yr
Provided P load removed	54.782 kg/yr	120.795 lb/yr

Nutrient Loading - Site Basin

Total Nutrient Loading Basin	58.18 acres

(Site Basin West, Site Basin East, Lake Basin West, Lake Basin East)

Pre-Development Inputs

Total Pre-Development Catchment Area — *Total area in acres for the catchment in pre-development condition. Catchment is a contiguous area where all runoff will accumulate.* — 58.18 ac

Pre-Development Non-DCIA CN — *Weighted curve number for portion of catchment which is not DCIA*

TR-55, Table 2-2c, woods/grass combination, poor condition, HSG D, CN=86

Non-DCIA CN	86
Percent DCIA	0%

Pre-Development DCIA Percentage — *Percentage of total catchment area that is directly-connected impervious area. Note, areas wet all year are not included.*

Pre-Development Land Use

Agricultural - General (Per Table 9.2 ERP Hadnbook Volume I effective June 28, 2024)	
TN=	2.290
TP=	0.381

Pre-Development Loading

N Loading (kg/yr)	144.593
P Loading (kg/yr)	24.057

Post Development Inputs

Total Post Development Catchment Area — *Total area in acres for the catchment defined at a point where there is a discharge as well as a please for possible BMPs in the post development condition.* — 58.18 ac

Post Development Non-DCIA Curve Number — *The weighted runoff curve number for the portion of the catchment that is not directly connected impervious area in the post-development state. A composite weighted CN can be calculated using average annual runoff.*

Pervious Area	11.75 ac
CN for Pervious Area*	80.00
*TR-55, Table 2-2a, open space in good condition, HSG D	

Impervious Area which is Not DCIA, See below on DCIA percent (This taken as Impervious area less DCIA below)

Area	10.83 ac	58.18
CN for Impervious Areas	98	

Weighted CN=(Pervious Area)(CN Pervious Area) + (Impervious Area not DCIA Area)(CN Impervious Area) / (Pervious Area + Impervious Area)
88.6

Post Development DCIA Percentage — *The percentage of the total catchment area that is directly connected impervious area in the post development state.* ***Areas wet all year (detention ponds, etc.) are not included in the DCIA calculation.***
The area of internal roadways and sidewalks as well as impervious area (FF and pavement conc from outparcels 1 through 15)

FF Outparcels 1-17	6.78 ac
Parking and Roadway Outparcels 1-17	28.82 ac
Total DCIA	35.60 ac
Percent DCIA	61.2%

Wet Pond Area

The area at the top of the permanent pool or at the control elevation. This area will be subtracted from the overall post-development catchment area when the wet pond is part of the total catchment area. As an alternative, the wet pond area does not have to be included in there catchment area.

Wet Pond Area (Lake Area)	8.91 ac

Post Development Loading

N Loading (kg/yr)	385.727
P Loading (kg/yr)	55.448

Nutrient Loading - Off Site Compensating Nutrient Loading

Total Nutrient Loading Basin	1.96 acres

(Site Basin West, Site Basin East, Lake Basin West, Lake Basin East)

Pre-Development Inputs

Total Pre-Development Catchment Area — *Total area in acres for the catchment in pre-development condition. Catchment is a contiguous area where all runoff will accumulate.* — 1.96 ac

Pre-Development Non-DCIA CN — *Weighted curve number for portion of catchment which is not DCIA*

TR-55, Table 2-2c, woods/grass combination, poor condition, HSG D, CN=86

Non-DCIA CN	86
Percent DCIA	0%

Pre-Development DCIA Percentage — *Percentage of total catchment area that is directly-connected impervious area. Note, areas wet all year are not included.*

Pre-Development Land Use

Highway - General (Per Table 9.2 ERP Hadnbook Volume I effective June 28, 2024)	
TN=	1.250
TP=	0.173

Pre-Development Loading

N Loading (kg/yr)	2.659
P Loading (kg/yr)	0.368

Post Development Inputs

Total Post Development Catchment Area — *Total area in acres for the catchment defined at a point where there is a discharge as well as a please for possible BMPs in the post development condition.* — 1.96 ac

Post Development Non-DCIA Curve Number — *The weighted runoff curve number for the portion of the catchment that is not directly connected impervious area in the post-development state. A composite weighted CN can be calculated using average annual runoff.*

Pervious Area	0.00 ac
CN for Pervious Area*	80.00
*TR-55, Table 2-2a, open space in good condition, HSG D	

Impervious Area which is Not DCIA, See below on DCIA percent (This taken as Impervious area less DCIA below)

Area	1.96 ac
CN for Impervious Areas	98

3.92

Weighted CN=(Pervious Area)(CN Pervious Area) + (Impervious Area not DCIA Area)(CN Impervious Area) / (Pervious Area + Impervious Area)
98.0

Post Development DCIA Percentage — *The percentage of the total catchment area that is directly connected impervious area in the post development state.* ***Areas wet all year (detention ponds, etc.) are not included in the DCIA calculation.*** *The area of internal roadways and sidewalks as well as impervious area.*

Highway Pavement	1.96 ac
Total DCIA	1.96 ac
Percent DCIA	100.0%

Wet Pond Area

The area at the top of the permanent pool or at the control elevation. This area will be subtracted from the overall post-development catchment area when the wet pond is part of the total catchment area. As an alternative, the wet pond area does not have to be included in there catchment area.

Wet Pond Area (Lake Area)	0.00 ac

Post Development Loading

N Loading (kg/yr)	11.007
P Loading (kg/yr)	1.523

Blackstone Corporate Park

Retention Volume - BMP Trains Nutrient Loading

Required Retention Volume per BMP Train	0.812	ac-ft

Dry Retention Areas 1, 2, and 3

Stage (ft)	Area (ac)	Storage (ac-ft)
29.00	1.680	0.00
29.42	**1.802**	**0.83**
31.00	2.260	3.94

Provided =	**0.827**	**ac-ft**

Rainfall Map

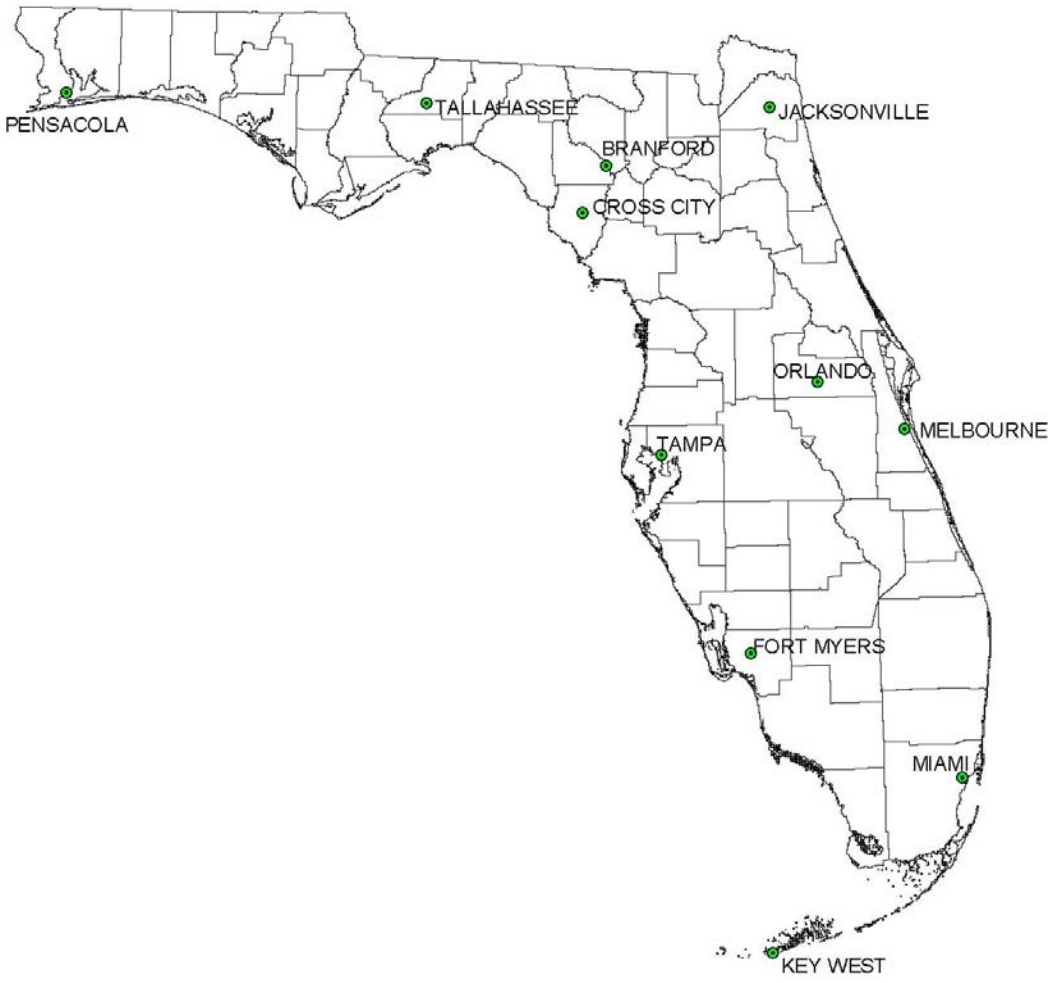


Figure 3-3. Locations of Selected Meteorological Sites.

TABLE 3-1

CHARACTERISTICS OF SELECTED METEOROLOGICAL SITES IN FLORIDA

GENERAL LOCATION	MONITORING SITE	MEAN ANNUAL RAINFALL (in/yr)	PERIOD OF RECORD
Panhandle	Pensacola Tallahassee	62.17 64.55	Pensacola: 33 years (1942-2005) Tallahassee: 45 years (1959-2005)
Big Bend Coastal	Cross City	55.14	47 years (1942-2000)
Northeast Coastal	Jacksonville	52.96	64 years (1942-2005)
North Florida	Branford	52.27	53 years (1945-2004)
Central	Orlando	50.03	62 years (1942-2005)
East Central Coastal	Melbourne	47.52	47 years (1942-2005)
West Central Coastal	Tampa	46.07	47 years (1949-2005)
Southwest Coastal	Ft. Myers	53.13	28 years (1960-2003)
Southeast Coastal	Miami	56.92	64 years (1942-2005)
Florida Keys	Key West	39.07	63 years (1942-2005)

Land Use

TABLE 4-1

GENERAL LAND USE CATEGORIES FOR RUNOFF CHARACTERIZATION DATA

GENERAL CATEGORY	DESCRIPTION
Low-Density Residential	Rural areas with lot sizes greater than 1 acre or less than one dwelling unit per acre; internal roadways associated with the homes are also included
Single-Family Residential	Typical detached home community with lot sizes generally less than 1 acre and dwelling densities greater than one dwelling unit per acre; duplexes constructed on one-third to one-half acre lots are also included in this category; internal roadways associated with the homes are also included
Multi-Family Residential	Residential land use consisting primarily of apartments, condominiums, and cluster-homes; internal roadways associated with the homes are also included
Low-Intensity Commercial	Areas which receive only a moderate amount of traffic volume where cars are parked during the day for extended periods of time; these areas include universities, schools, professional office sites, and small shopping centers; internal roadways associated with the development are also included
High-Intensity Commercial	Land use consisting of commercial areas with high levels of traffic volume and constant traffic moving in and out of the area; includes downtown areas, commercial sites, regional malls, and associated parking lots; internal roadways associated with the development are also included
Industrial	Land uses include manufacturing, shipping and transportation services, sewage treatment facilities, water supply plants, and solid waste disposal; internal roadways associated with the development are also included
Highway	Includes major road systems, such as interstate highways and major arteries and thoroughfares; roadway areas associated with residential, commercial, and industrial land use categories are already included in loading rates for these categories
Agriculture	Includes cattle, grazing, row crops, citrus, and related activities
Open/ Undeveloped	Includes open space, barren land, undeveloped land which may be occupied by native vegetation, rangeland, and power lines; this land does not include golf course areas which are heavily fertilized and managed; golf course areas have runoff characteristics most similar to single-family residential areas
Mining/ Extractive	Includes a wide variety of mining activities for resources such as phosphate, sand, gravel, clay, shell, etc.
Wetlands	Include a wide range of diverse wetland types, such as hardwood wetlands, cypress stands, grassed wetlands, freshwater marsh, and mixed wetland associations
Open Water/ Lakes	Land use consists of open water and lakes, rivers, reservoirs, and other open waterbodies

Pre-Development TR-55 Excerpt

PRE-DEVELOPMENT CURVE NUMBER

Table 2-2c Runoff curve numbers for other agricultural lands [1/]

Cover description		Curve numbers for hydrologic soil group			
Cover type	Hydrologic condition	A	B	C	D
Pasture, grassland, or range—continuous forage for grazing. [2/]	Poor	68	79	86	89
	Fair	49	69	79	84
	Good	39	61	74	80
Meadow—continuous grass, protected from grazing and generally mowed for hay.	—	30	58	71	78
Brush—brush-weed-grass mixture with brush the major element. [3/]	Poor	48	67	77	83
	Fair	35	56	70	77
	Good	30 [4/]	48	65	73
Woods—grass combination (orchard or tree farm). [5/]	Poor	57	73	82	86
	Fair	43	65	76	82
	Good	32	58	72	79
Woods. [6/]	Poor	45	66	77	83
	Fair	36	60	73	79
	Good	30 [4/]	55	70	77
Farmsteads—buildings, lanes, driveways, and surrounding lots.	—	59	74	82	86

1 Average runoff condition, and $I_a = 0.2S$.

2 *Poor:* <50%) ground cover or heavily grazed with no mulch.
Fair: 50 to 75% ground cover and not heavily grazed.
Good: > 75% ground cover and lightly or only occasionally grazed.

3 *Poor:* <50% ground cover.
Fair: 50 to 75% ground cover.
Good: >75% ground cover.

4 Actual curve number is less than 30; use CN = 30 for runoff computations.

5 CN's shown were computed for areas with 50% woods and 50% grass (pasture) cover. Other combinations of conditions may be computed from the CN's for woods and pasture.

6 *Poor:* Forest litter, small trees, and brush are destroyed by heavy grazing or regular burning.
Fair: Woods are grazed but not burned, and some forest litter covers the soil.
Good: Woods are protected from grazing, and litter and brush adequately cover the soil.

Post Development TR-55 Excerpt

POST DEVELOPMENT CURVE NUMBER

Table 2-2a Runoff curve numbers for urban areas [1/]

Cover description: Cover type and hydrologic condition	Average percent impervious area [2/]	Curve numbers for hydrologic soil group: A	B	C	D
Fully developed urban areas (vegetation established)					
Open space (lawns, parks, golf courses, cemeteries, etc.) [3/]:					
Poor condition (grass cover < 50%)		68	79	86	89
Fair condition (grass cover 50% to 75%)		49	69	79	84
Good condition (grass cover > 75%)		39	61	74	80
Impervious areas:					
Paved parking lots, roofs, driveways, etc. (excluding right-of-way)		98	98	98	98
Streets and roads:					
Paved; curbs and storm sewers (excluding right-of-way)		98	98	98	98
Paved; open ditches (including right-of-way)		83	89	92	93
Gravel (including right-of-way)		76	85	89	91
Dirt (including right-of-way)		72	82	87	89
Western desert urban areas:					
Natural desert landscaping (pervious areas only) [4/]		63	77	85	88
Artificial desert landscaping (impervious weed barrier, desert shrub with 1- to 2-inch sand or gravel mulch and basin borders)		96	96	96	96
Urban districts:					
Commercial and business	85	89	92	94	95
Industrial	72	81	88	91	93
Residential districts by average lot size:					
1/8 acre or less (town houses)	65	77	85	90	92
1/4 acre	38	61	75	83	87
1/3 acre	30	57	72	81	86
1/2 acre	25	54	70	80	85
1 acre	20	51	68	79	84
2 acres	12	46	65	77	82
Developing urban areas					
Newly graded areas (pervious areas only, no vegetation) [5/]		77	86	91	94
Idle lands (CN's are determined using cover types similar to those in table 2-2c).					

[1] Average runoff condition, and $I_a = 0.2S$.

[2] The average percent impervious area shown was used to develop the composite CN's. Other assumptions are as follows: impervious areas are directly connected to the drainage system, impervious areas have a CN of 98, and pervious areas are considered equivalent to open space in good hydrologic condition. CN's for other combinations of conditions may be computed using figure 2-3 or 2-4.

[3] CN's shown are equivalent to those of pasture. Composite CN's may be computed for other combinations of open space cover type.

[4] Composite CN's for natural desert landscaping should be computed using figures 2-3 or 2-4 based on the impervious area percentage (CN = 98) and the pervious area CN. The pervious area CN's are assumed equivalent to desert shrub in poor hydrologic condition.

[5] Composite CN's to use for the design of temporary measures during grading and construction should be computed using figure 2-3 or 2-4 based on the degree of development (impervious area percentage) and the CN's for the newly graded pervious areas.

9.2.2 Calculating Predevelopment and Post-development Stormwater Nutrient Loading

a. To calculate the predevelopment and post development loadings before treatment of the annual mass loadings for TN and TP, multiply the predevelopment annual runoff volume (derived in Section 9.2.1) by the land use specific runoff characterization data (event mean concentrations or EMCs) for TN and TP. Applicants must use the most up-to-date verified EMC values, where available and incorporated by reference pursuant to rule 62.330.301(4), for their project region. Applicants also must comply with the applicable special basin or geographic area criteria in rule 62-330.301(1)(k), F.A.C., including any EMC values specified in the applicable Applicant's Handbook Volume II. EMC Values are listed in Table 9.2 for different types of land use categories. EMC values for the land uses must consider cover, soils, and topography and be representative of the latest assigned Florida Land Use and Cover Classification System (FLUCCS) code.

Table 9.2 Standardized Statewide Stormwater Nutrient EMC Values

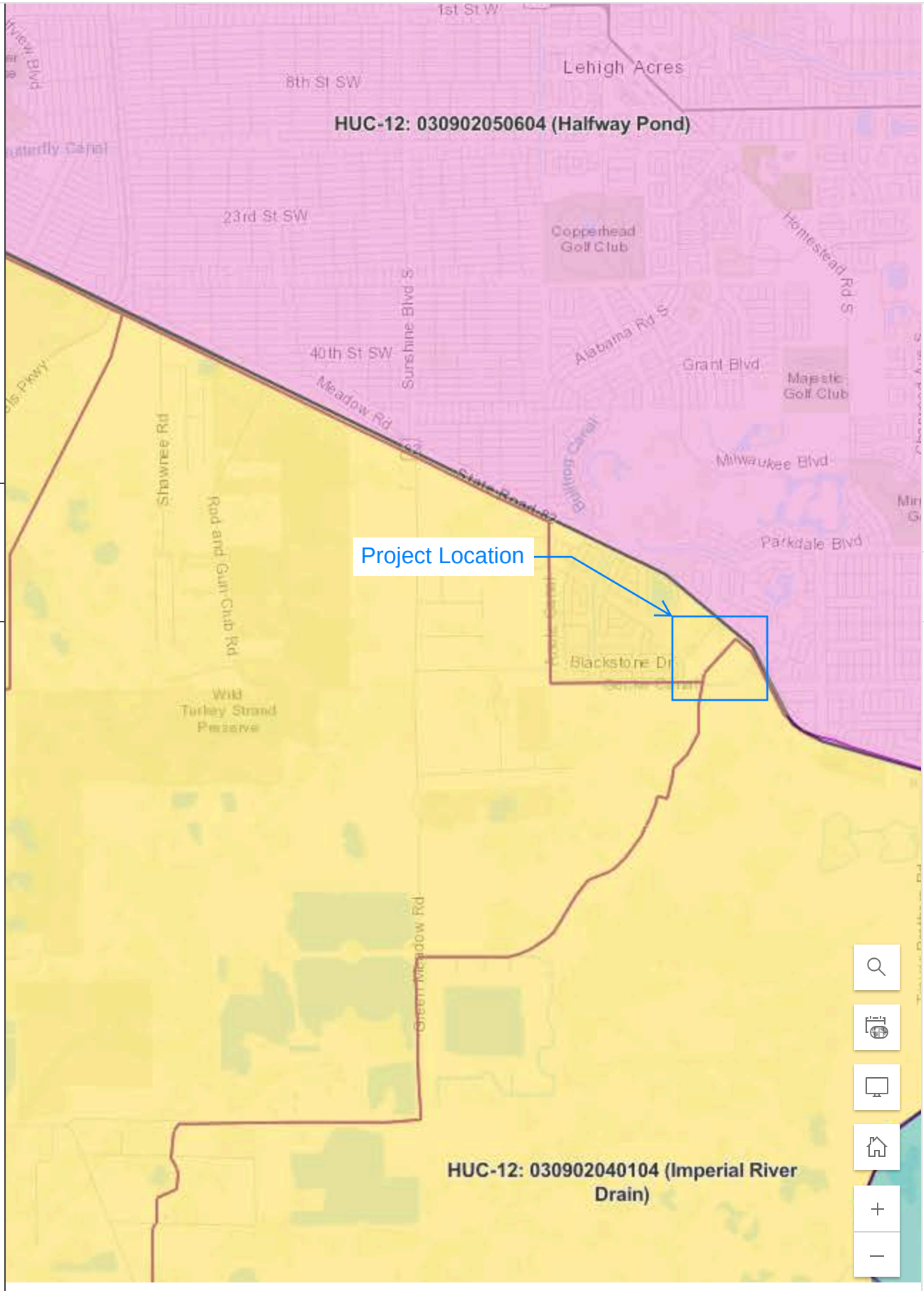
Land Use Category	Total N (mg/l)	Total P (mg/l)
Low Density Residential	1.65	0.270
Single Family	1.77	0.327
Multi-Family	1.84	0.520
Low Intensity Commercial	0.93	0.19
High Intensity Commercial	2.40	0.345
Light Industrial	1.20	0.260
Highway	1.25	0.173
Dry Prairie	2.025	0.184
Marl Prairie	0.684	0.012
Mesic Flatwoods	1.087	0.043
Ruderal/Upland Pine	1.694	0.162
Scrubby Flatwoods	1.155	0.027
Upland Hardwood	1.042	0.346
Upland Mixed Forest	0.606	1.166
Wet Flatwoods	1.213	0.021
Wet Prairie	1.095	0.015
Xeric Scrub	1.596	0.156
Rangeland/parkland	1.150	0.055
General Agricultural	2.29	0.381
Pasture	3.03	0.593
Citrus	2.11	0.180
Row Crops	2.50	0.577

b. At the time of the application, an applicant may propose to use TN and TP EMC values accepted by the Agency which denote EMC values derived from regional or local government studies. Any study conducted must be submitted with the permit application for the Agency records. If EMC values from a study are to be used, data collected must follow quality assurance provisions outlined in chapter 62-160, F.A.C., and include:

- Data collected at a representative variety of rainfall depths;
- Minimum of 10 rainfall events;
- Minimum of one year of data with seasonal variation;
- Use of autosamplers to allow for runoff to be sampled for the duration of the rainfall event;
- Volume or time weighted composite samples;

Appendix N: HUC Map

Florida's Mitigation Watersheds and Basins



University of South Florida, County of Lee, FL, Esri, HERE, Garmin, INCREMENT P, USGS, METI/N… Powered by Esri

ATWELL

PART IV #25-40(M2)

Recommended Action

Engineering Review:

By: _____ 6/3/2026 **Approved X Denied ___**

District Field Review:

By: _____ Approved ___ Denied ___

District Manager: _____ Date: _____

Comments:

The referenced permit modification application for a previously approved Permit No. 25-40 Blackstone Corporate Park at Blackstone Dr. and State Road 82, in Lehigh Acres, submitted by Atwell, LLC, has been reviewed and is recommended for approval with the following stipulations/comments:

1. Any disturbed canal right-of-way must be restored with sod and maintained until fully established. Seeding is not permitted.

2. The permittee shall submit record drawings within thirty (30) days of project completion. The drawings must be signed and sealed and include sufficient details to demonstrate that the permitted facilities have been installed or constructed in substantial compliance with the LA-MSID-approved plans and design.

3. The permittee shall provide LA-MSID with copies of all applicable permits from other governing agencies prior to construction, including but not limited to a SFWMD Major Modification, FDOT Drainage Exception, Lee County DOT Right-of-Way Permit, Lee County Development Order, and FGUA Permits.

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

AGENDA ITEM SUMMARY

Subject: PER #26-87 - LCEC Substation – 4307 22nd St SW

Meeting Date: July 20, 2026

Agenda Item # 2D

[x] **CONSENT** [ ] **ACTION** [ ] **OLD BUSINESS** [ ] **NEW BUSINESS**

Request Initiated By: [ ] **COMMISSIONER** _____ [ ] **ATTORNEY**

[ ] **BOARD** [x] **MANAGER** [ ] **ENGINEER** [ ] **AUDITOR**

Recommended motion: Move to approve PER #26-87 - LCEC Substation – 4307 22nd St SW, with any listed stipulations.

What the action accomplishes: Allows LCEC to develop a commercial site at 4307 22nd St SW, while certifying on their plans that their stormwater facilities are adequate and able to discharge less than 30 CSM.

Fiscal Impact: Permit Fees: $2,150.00

Staff comments: Approved according to the plans submitted May 21, 2026.

Staff review and recommended approval:

[x] **MANAGER** [ ] **ASSISTANT DISTRICT MGR**

[ ] **ATTORNEY** [ ] **FIELD SUPERINTENDENT**

[x] **ENGINEER** [x] **CONTROLLER**

Board Action:

[ ] **APPROVED** [ ] **DENIED** [ ] **DEFERRED**

LEHIGH ACRES - MUNICIPAL SERVICES IMPROVEMENT DISTRICT PERMIT

THIS PERMIT is granted this 20th day of July, 2026, by Lehigh Acres Municipal Services Improvement District (hereinafter referred to as "DISTRICT"), 601 East County Lane, Lehigh Acres, Florida 33936, to LCEC, 4980 Bayline Drive, North Fort Myers, FL 33917, hereinafter referred to as the "Permittee") as a non-exclusive permit for a proposed electrical substation on a 2.36 +/- acre site located at 4307 22nd, St SW, with a drainage outfall pipe to Founder Canal (56-30-1), in Lehigh Acres, FL.

W I T N E S S E T H:

1. In the event the DISTRICT is not the fee title owner of the real property (the "Property") to which this Permit is applicable, the Permittee agrees, prior to commencement, to obtain all necessary consents from the fee title owners of the Property.

2. This Permit does not constitute a waiver of the necessity by the Permittee to obtain such other necessary and appropriate permits required by other governmental bodies or agencies; therefore the Permittee, prior to commencement, is required to obtain any and all other applicable federal, state, and local permits required in connection with Permittee's use of the Property and agrees that at all times it will comply with the requirements of all federal, state and local laws, ordinances, rules and regulations applicable or pertaining to the use of the Property by the Permittee.

3. Permittee understands and agrees that the use of the Property pursuant to this Permit is subordinate to the rights and interests of the DISTRICT and to the extent applicable that of the fee title owner of the Property. Further, Permittee does hereby stipulate that the Permittee is not relying upon any representations whatsoever by the DISTRICT regarding the DISTRICT'S right, title, interest, or ownership as to the Property for which this Permit is applicable.

4. The Permittee, by accepting this permit, specifically agrees to allow authorized District Personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:
    a. Having access to and copying any records that must be kept under the conditions of the permit:
    b. Reviewing the facility, equipment, practices, or operations regulated or required under this permit; and
    c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or District rules.

5. The DISTRICT specifically reserves the right to maintain its facilities located over, under or upon the Property; to make improvements; add additional facilities; maintain, construct or alter its roads; maintain any facilities, devices, or improvements on the Property which aid in or are necessary to the DISTRICT'S operation; and the right to enter upon the Property at all times for such purposes. Permittee understands that in the exercise of such rights and interest, the DISTRICT may require Permittee, at no cost to DISTRICT, to relocate, alter, or remove the Permittee's facilities and equipment or other improvements made by Permittee pursuant to this Permit which interfere with or prevent the DISTRICT, in the DISTRICT'S opinion, from properly and faithfully constructing, improving and maintaining its facilities. If the Permittee should fail to relocate, alter, or remove the Permittee's facilities, equipment or other improvements made by the Permittee pursuant to this Permit within a reasonable time period following receipt of notice from the DISTRICT requesting same, then in that event the DISTRICT shall have the right to enter upon the lands and make such relocation, alterations or removal of the Permittee's facilities, equipment/or other improvements at no cost to DISTRICT.

6. Permittee agrees that it will not use the Property in any manner which interferes with the DISTRICT'S

use of the Property or causes a hazardous condition to exist.

7. The DISTRICT assumes no responsibility for the ownership, operation and/or maintenance of the Permittee's facilities as permitted herein.

8. The Permittee agrees to backfill any excavation it makes within the Property and to repair or replace (i) any below-grade authorized facilities and features located therein, including but not limited to: water, sewer, stormwater or irrigation facilities, structures or appurtenances and (ii) as to at or above-grade facilities and features, this requirement shall only be applicable to grasses and sod, sidewalks, and roadway improvements (the term roadway improvements shall include but not be limited to curbing, roadway base, sub grade and asphaltic or concrete surfaces) which are removed or damaged as a direct result of said excavation. Such repair or replacement shall substantially restore these features to their condition as it existed immediately prior to the event precipitating the excavation.

9. All below-grade Permittee installations, including water and sewer lines, whether sub aqueous or not, together with appurtenant facilities, shall be located underground and have a minimum ground cover of thirty inches (30") below original design profile grade, including District waterways and roadways.

10. All Permittee activity related to sub aqueous utility, water and/or sewer lines, including appurtenant facilities, shall be conducted in such fashion that the primary functional purpose of the canal or lake body facility, specifically flood control, within which the activity is taking place is not adversely affected. More specifically, sub aqueous construction shall conform to the criteria given in the Lehigh Acres Municipal Services Improvement District (Lehigh Acres – MSID) Administrative Policy and Procedures.

11. Permittee shall, at no expense to DISTRICT and within a reasonable time following notice, adjust the positions and elevations of its facilities as may be required in connection with future improvements to, or construction of, works of the DISTRICT.

12. Permittee does hereby indemnify and hold harmless the DISTRICT, its Board of Commissioners, officers, personnel, and it's Engineers against any claims, losses, damages (including consequential), expenses, or legal fees that might arise out or result from the implementation of the proposed project by the Permittee or that may be caused by a failure of DISTRICT facilities or property.

13. The Permittee shall be obligated at the time of submission of its Permit application, to provide a detail of any other existing improvements located over, under, upon or through the Property and the Permittee's accompanying plans and specifications shall clearly indicate how the Permittee will comply with required clearances between the requested permitted activity and existing improvements located over, under and upon the Property, including compliance with other permitted users duly adopted and published standards.

14. Permittee shall reimburse the DISTRICT for its legal, engineering and other expenses incurred as a result of the implementation of the proposed project.

15. If Permittee should violate any of the terms or conditions of the Permit and shall not correct or remedy same within ten (10) days of receiving written notice of said violation from the DISTRICT, then in that event, the DISTRICT may, at its option, revoke, cancel and terminate this Permit.

16. This Permit may not be assigned by the Permittee without the prior written approval of the DISTRICT.

17. Unless otherwise adjusted, modified or terminated as set forth hereinabove, including the Conditions attached hereto, this Permit shall continue in full force and effect so long as Permittee complies with the

terms of this Permit.

18. In any litigation, including breach, enforcement or interpretation arising out of this Permit, the prevailing party to this Permit shall be entitled to recover reasonable attorney's fees, costs and expenses related to said action from the non-prevailing party.

19. That attached hereto are Supplemental Conditions to this Permit which are incorporated herein and made a part hereof.

LEHIGH ACRES – MUNICIPAL SERVICES IMPROVEMENT DISTRICT

BY: _____

NAME TYPED: David E. Lindsay

TITLE: District Manager

SUPPLEMENTAL CONDITIONS TO PERMIT NO. 26-87

A. GENERAL CONDITIONS

1. Notification shall be given by the Permittee to the District Engineer, AIM Engineering, at 239-332-4569 forty-eight (48) hours prior to commencement of the permitted activity. The District Engineer shall establish points of construction, if applicable, which will require inspection by the District Engineer prior to construction of the permitted activity. When the Permittee considers the permitted activity complete, the Permittee shall notify the District Engineer and schedule an on-site final inspection which shall be held in the presence of a representative of the Permittee and the District Engineer.

2. The permitted activity shall be implemented, constructed and/or installed in full accordance with the approved plans and specifications within six (6) full calendar years from the date of permit approval. Deviations from the approved plans or specifications shall be coordinated with and approved by the District Engineer prior to implementation of any such deviation.

3. When working in a District road right-of-way, not more than one-half (½) of the road or street shall be closed and traffic shall be controlled so as to provide for the safety and minimum hindrance to the public. All traffic control operations shall conform to the most current issue of the Florida Department of Transportation publication "Manual on Traffic Controls and safe Practices for Street and Highway Construction, Maintenance and Utility Operations."

4. The District Engineer shall be the final authority as to the quality and quantity of the material and works required to satisfy the terms and conditions of this Permit as they relate to District improvements and facilities.

5. Upon completion of the permitted activity and after its final review and acceptance by the District Engineer THE PERMITTEE SHALL DELIVER TO THE DISTRICT OFFICE ONE COMPLETE SET OF THE FINAL "RECORD DRAWINGS." FAILURE TO PROVIDE THE FINAL RECORD DRAWINGS MAY RESULT IN THE REVOCATION, CANCELLATION AND TERMINATION OF THIS PERMIT.

6. The above Conditions shall be continuing obligations of the Permittee and shall be complied with in the event of any subsequent maintenance, repair, replacement or modification of the permitted improvement.

Stipulations:

1). Permit #26-87 is approved according to the plans submitted May 21st, 2026.

2). On sheet 8 of the submitted plans the northern berm (towards the ne corner drive entrance) the berm label says the berm elevation varies between elevation 27.1' and 27.5'. This is below the required 25Y-72H berm elevation of 27.80'. Please revise the grading in this area so all berm elevations meet or exceed the required 27.80' elevation.

3). On sheet 8 please add rip rap around the perimeter (min. 2' wide strip) of the MES-1 structure in Flounder Canal.

4). Prior to commencing construction, please submit 2 printed (signed/sealed) copies of revised sheet 8 of 11 to LAMSID.

5). All canal R/W that is disturbed must be restored with sod and maintained until well established (no seeding will be allowed).

6). The Permittee will be responsible for any repairs, alterations, or maintenance required on the outfall pipe and mitered end section in the future.

7). Provide LAMSID with a copy of your signed/sealed record drawings showing all perimeter berm elevations, all pipe inverts and control structure elevations within 30 days following completion of the improvements.

8). Lee County DOT must review and approve the utility work that is outside of the canal right of way along adjacent roads.

PART I

DATE SUBMITTED: 05 - 21 - 26

PERMIT #: 26 - 87

APPLICATION FOR A PERMIT

***Note**: The review of permit applications will be conducted per the Lehigh Acres Municipal Services Improvement District's Administrative Policy and Procedures

AGENT NAME: Kevin Conor, P.E. **PHONE #:** (239)573-2077

PROJECT NAME: LCEC Gunnery Rd Substation

TOTAL ACREAGE: 2.36 +/-

Property Address (STRAP associated with this address will be used as the primary STRAP for this project):					
Mailing Address:	**4307 22nd St SW**				
City:	**Lehigh Acres**	**State:**	**FL**	**Zip:**	**33976**

STRAP NUMBERS (*attach additional sheet if necessary):*

0	4	4	5	4	6	L	2	0	2	0	1	3	0	0	1	0			

Brief description of proposed project:

Application for:

The construction of a stormwater management system a 2.36(+/-) acres site for an electrical substation.

Is the project proposed to be developed in phases? ☐ **Yes** ☒ **No**

Estimated # of Phases:	1	
***Permit Fee:**	$ 1,750	**(to be verified by staff)**

RECEIVED

MAY 21 2026

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

* See Administrative Policy and Procedures Sections 4.15 – 4.17 for current Permit Fee Amount.

PART II

OWNER/APPLICANT/ DEVELOPER INFORMATION

A.

Name of Applicant	Lee County Electric Cooperative, Inc.						
Mailing Address:	Street:	PO Box 3455					
City:	North Fort Myers	State:	FL			Zip:	33918
Phone No.	Area Code:	239	Number:	656-2246		Ext.	
Fax No.	Area Code:		Number:	-			
E-mail Address:	Mike.Rajapakse@lcec.net						

B. Relationship of applicant to property*:

☒ Owner* ☐ Trustee* ☐ Option holder* ☐ Lessee*

☐ Contract Purchaser* ☐ Other (indicate)* _____

C.

Name of Developer:	Lee County Electric Cooperative, Inc.						
Mailing Address:	Street:	PO Box 3455					
City:	North Fort Myers	State:	FL			Zip:	33918
Phone No.	Area Code:	(239)	Number:	656-2246		Ext.	
Fax No.	Area Code:	( )	Number:	-			
E-mail Address:	Mike.Rajapakse@lcec.net						

D.

Name of Authorized Agent(s):	Avalon Engineering, Inc. / Kevin Conor, P.E.						
Mailing Address:	Street:	2503 Del Prado Blvd., Suite 200					
City:	Cape Coral	State:	FL			Zip:	33904
Phone No.	Area Code:	(239)	Number:	573-2077		Ext.	217
Fax No.	Area Code:	( )	Number:	-			
E-mail Address:	Kevin@AvalonEng.com						

E.

Name of Property Owner:	Lee County Electric Cooperative, Inc.						
Mailing Address:	Street:	PO Box 3455					
City:	North Fort Myers	State:	FL			Zip:	33918
Phone No.	Area Code:	(239)	Number:	573-2077		Ext.	
Fax No.	Area Code:	( )	Number:	-			
E-mail Address:	Mike.Rajapakse@lcec.net						

*A disclosure of the name of all persons or entities having an ownership interest in the property is required (attached).

PART III

DISCLOSURE OF OWNERSHIP INTEREST FORM FORM:

PRIMARY STRAP NUMBER: 0 4 - 4 5 - 2 6 - L 2 - 0 2 0 1 3 - 0 0 1 0

1. If the property is owned in the fee simple by an **INDIVIDUAL**, tenancy by the entirety, tenancy in common, or joint tenancy, list all parties with an ownership interest as well as the percentage of such interest.

Name and Address	Percentage of Ownership

2. If the property is owned by a **CORPORATION**, list the officers and stockholders and the percentage of stock owned by each.

Name, Address, Office	Percentage of Stock
Lee County Electric Cooperative, Inc.	100%
PO Box 3455	
North Fort Myers, FL 33918	

3. If the property is in the name of a **TRUSTEE**, list the beneficiaries of the trust with percentages of interest.

Name and Address	Percentage of Interest

4. If the property is in the name of a **GENERAL PARTNERSHIP OR LIMITED PARTNERSHIP**, list the names of general and limited partners.

Name and Address	Percentage of Interest

Name and Address	Percentage of Interest

Date of Contract (mm/dd/yy): / /

6. If any contingency clause or contract terms involve additional parties, list all individuals or officers, if a corporation, partnership, or trust.

Name and Address	Percentage of Interest

For any changes of ownership of changes in contracts for purchase subsequent to the date of the application, but prior to the date of final certificate for compliance, a supplemental disclosure of interest must be filed.

The above is a full disclosure of all parties of interest in this application, to the best of my knowledge and belief.

Sarah Bullock
SIGNATURE OF APPLICANT
Sarah Bullock/ CFO
PRINTED OR TYPED NAME OF APPLICANT

STATE OF FLORIDA
COUNTY OF LEE

The foregoing instrument was acknowledged before me this 15 day of April (m), 2026(y), by Sarah Bullock/ CFO who is personally know to me or has produced N/A as identification.

CHRISTINE T. DANIELS
Commission # HH 615292
Expires March 21, 2020

SIGNATURE OF NOTARY PUBLIC

PART IV

EXPLANATION

All Permit Application sections must be completed and submitted.

Permit Application fees and submittal items (see Part VI) must be submitted with the application.

Any and all work involving the lands and/or facilities of the District shall not commence without a Board approved permit.

All set policies, procedures, technical requirements, and fee schedules can be found and reviewed in the 'Administrative Policy and Procedures Guide'. The Guide is available at the District Office located at 601 East County Lane, Lehigh Acres, FL or online at la-msid.com/.

PART V

PROFESSIONAL CONSULTANT FORM

ATTORNEY

Name:							
Mailing Address:							
City:		State:				Zip:	
Business No.	Area Code:	( )	Number:	-		Ext.	
Other Contact:							

ENGINEER

Name:	Avalon Engineering, Inc. / Kevin Conor, P.E.						
Mailing Address:	2503 Del Prado Blvd., Suite 200						
City:	Cape Coral	State:		FL		Zip:	33904
Business No.	Area Code:	(239)	Number:	573-2077		Ext.	217
Other Contact:	Kevin@AvalonEng.com						

OTHER REPRESENTATIVE/PROFESSIONAL

Name:							
Mailing Address:							
City:		State:				Zip:	
Business No.	Area Code:	( )	Number:	-		Ext.	
Other Contact:							

PART VI

SUBMITTALS

NO. OF COPIES		SUBMITTAL DOCUMENT
SUB'D	REQ'D	
		ITEMS REQUIRED FOR INITIAL SUBMITTAL
2	2	**Construction/Development Plans** signed and sealed by a Licensed Florida Professional Engineer including: 1. Location map showing the location of the proposed project in relation to adjacent streets and LA-MSID facilities. 2. Details of proposed works that fully communicate the work and/or use desired (i.e. Existing Conditions Survey, Proposed Site Plan, Paving Grading & Drainage Plan, Cross Sections, Element Details, and Erosion Control Plan sheets). 3. Sufficient survey data to determine elevations, property and ROW lines, limits of existing and proposed conditions, and notation of utilized vertical datum (NAVD/NGVD).
2	2	**Stormwater Drainage Calculations** signed and sealed by a Licensed Florida Professional Engineer including, but not limited to, computer stormwater routing modeling data (ICPR4, Cascade, etc.) to verify compliance with the Design Criteria (input summary data below): **Water Quality Volume (Required):** ___**0.49**___(ACRE-FT) **Water Quality Volume (Provided):** __**0.66**___(ACRE-FT) **Control Elevation:** __**22.50**__(FT-NGVD) **Minimum Road/Parking Elevation:** __**27.45**__(FT-NGVD) *(above the 10-year, 1-day design storm peak stage elevation)* **Minimum Perimeter Berm Elevation:** __**27.80**__(FT-NGVD) *(above the 25-year, 3-day design storm peak stage elevation)* **Minimum Finished Floor Elevation:** ___**28.70**_(FT-NGVD) *(above the 100-year, 3-day design storm peak stage elevation and previously experienced high-water levels external to project)*
2	2	**Flash Drive / CD** containing plans in both AutoCAD (.dwg file drawn in "State Plane Coordinates") and PDF formats.
2	2	**Permit Application** (PARTS I & II)
2	2	**Disclosure of Owner Form (signed and notarized)** (PART III)
2	2	**Professional Consultant Form & Submittals** (PARTS V & VI)
2	2	**Copy of Approved FDEP Notice of Intent (NOI)** for all sites one (1) acre and greater in size.
2	2	**Copy of approved SWFMD permit**, for all sites required to get a permit, **or FDEP "10/2 Self-Certification"** approval.
1	1	**Check for appropriate Permit Fees** made out to LA-MSID.

Avalon Engineering
Established in 1980

TO: Lehigh Acres Municipal Services Improvement District
601 East County Lane
Lehigh Acres, Florida 33936

PROJECT #: 25-102

PROJECT: LCEC Gunnery Substation
LAMSID

FROM: Kevin Conor, P.E.

DATE: May 18, 2026

WE ARE SENDING YOU THE FOLLOWING ITEMS:

☒ Attached Via Hand-Deliver ☐ Under Separate Cover Via _____

☒ Plans/Prints ☐ Shop Drawings ☐ Specifications ☐ Contract ☒ Flash Drive

☒ Permit Applications ☒ Other

NO. OF COPIES	DESCRIPTION
	$1,750 Application Fee (Provided by LCEC)
2	Flash Drive Plan Files in Auto CADD (DWG) drawn in State Plane Coordinates and PDF format
2	Permit Application
2	Ownership Documents (LCPA, Property Deed, Sunbiz)
2	SWP3
2	USWMP
2	Stormwater Report
2	Survey
2	Construction Plans
2	FDEP 10-2 Certification

THIS DATA IS TRANSMITTED AS CHECKED BELOW:

☐ as requested ☐ for approval ☐ for signature ☒ for review & comment

☐ for your use/files/information ☐ for your distribution ☐ to be returned

REMARKS:

If you have any questions or require additional information, please feel free to contact me at 573-2077 or via e-mail at kevin@avaloneng.com

2503 Del Prado Boulevard South, Ste. 200 Cape Coral, FL 33904 •Phone: (239) 573-2077 •Fax: (239) 573-2076

LCEC
PEOPLE. POWER. POSSIBILITIES.
P.O. Box 3455 • North Fort Myers, FL 33918-3455

PLEASE DETACH AND RETAIN

No. 39854 (EFT)
Date: 05/21/2026

DATE	INVOICE	DESCRIPTION		GROSS	NET
05/19/2026	05192026	PERMIT APPLICATION WO 401082707		400.00	400.00
	Vendor: 6273 LEHIGH ACRES MSID		Totals:	400.00	400.00

Direct Deposit Information
Financial Institution: SYNOVUS BANK
Account: **********9803

Permit
#26-87

LCEC
PEOPLE. POWER. POSSIBILITIES.
P.O. Box 3455 • North Fort Myers, FL 33918-3455

No. 39854 (EFT)
64-10/610

TRUIST

PAY TO THE ORDER OF
LEHIGH ACRES MSID
601 EAST COUNTY LANE
LEHIGH ACRES FL 33936

DATE	CHECK NO.	AMOUNT
05/21/2026	39854	$*******400.00

Notice of Fund Transfer

NON-NEGOTIABLE

6273

LCEC
PEOPLE. POWER. POSSIBILITIES.
P.O. Box 3455 • North Fort Myers, FL 33918-3455

PLEASE DETACH AND RETAIN

No. 38479 (EFT)
Date: 04/16/2026

DATE	INVOICE	DESCRIPTION	GROSS	NET
04/15/2026	04152026	PERMIT APP 04-45-26-L2-02013.0010	1,750.00	1,750.00
	Vendor: 6273 LEHIGH ACRES MSID	Totals:	1,750.00	1,750.00

Direct Deposit Information
Financial Institution: SYNOVUS BANK
Account: **********9803

Permit #26-87

LCEC
PEOPLE. POWER. POSSIBILITIES.
P.O. Box 3455 • North Fort Myers, FL 33918-3455

No. 38479 (EFT)
64-10/610

TRUIST

PAY TO THE ORDER OF
LEHIGH ACRES MSID
601 EAST COUNTY LANE
LEHIGH ACRES FL 33936

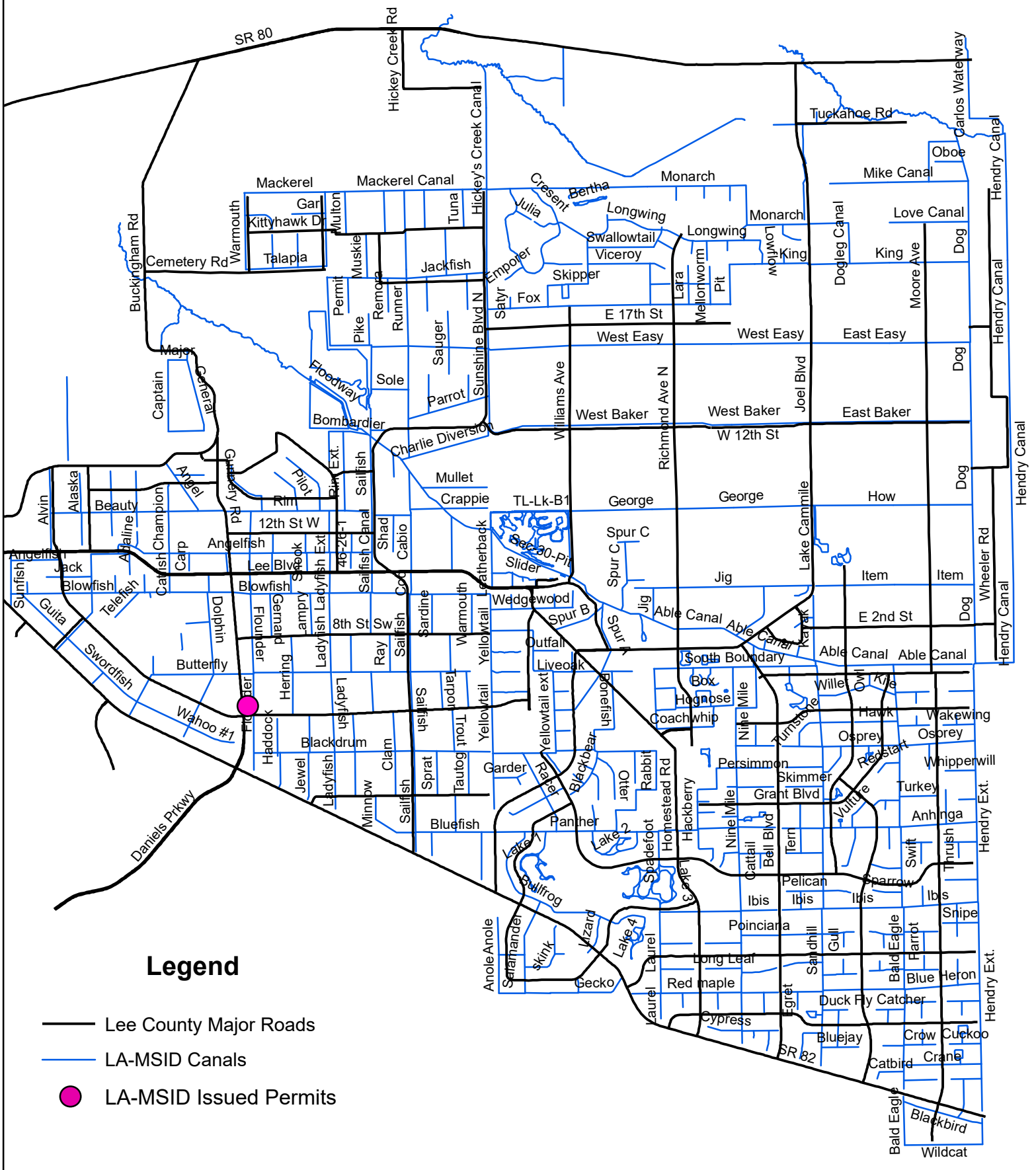
6273

DATE	CHECK NO.	AMOUNT
04/16/2026	38479	$*****1,750.00

Notice of Fund Transfer

NON-NEGOTIABLE

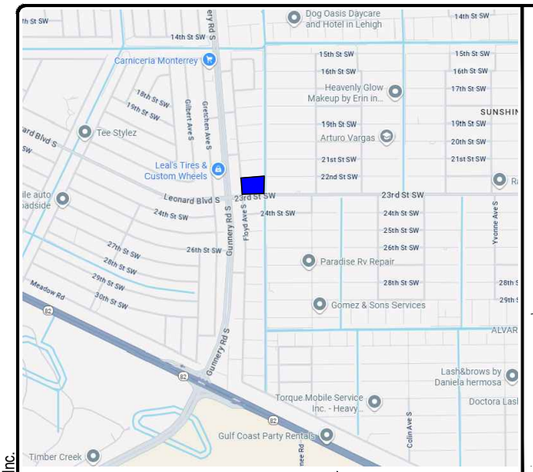
Permit # 2026-87



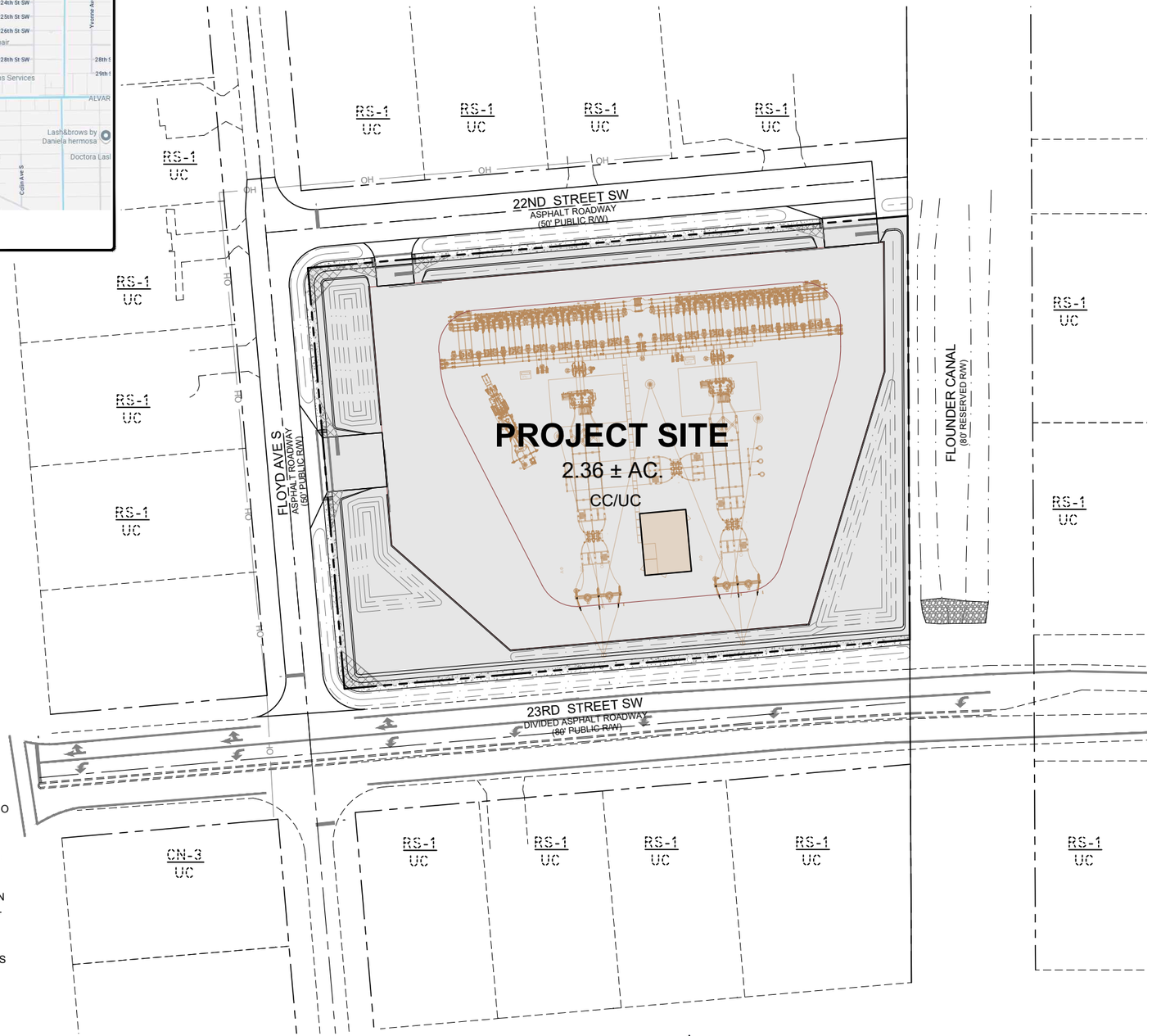
SITE CONSTRUCTION PLANS
FOR

LCEC GUNNERY RD.
SUBSTATION

4307, 22ND STREET SW LEHIGH ACRES - LEE COUNTY, FLORIDA



LOCATION MAP
N.T.S.



DEVELOPER:
LEE COUNTY ELECTRIC COOPERATIVE
P.O. BOX 3455
NORTH FORTH MYERS, FL. 33917

ARCHITECT:
HARVARD JOLLY
12751 NEW BRITTANY BLVD. S #401
FORT MYERS, FL 33907

CIVIL ENGINEER/PLANNER:
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD. S #200
CAPE CORAL, FL. 33904

LANDSCAPE:
LANDESCO PLLC
6681 RICH ROAD
N. FORT MYERS, FL. 33917

SURVEYOR:
KEYSTONE A CLS COMPANY
10970 S. CLEVELAND AVE. SUITE #605
FORT MYERS, FL. 33907

ENVIRONMENTAL:
OWEN ENVIRONMENTAL CONSULTING, LLC
15957 TROPICAL BREEZE DRIVE
FORT MYERS, FL. 33908

TRAFFIC ENGINEER:
TR TRANSPORTATION CONSULTANTS, INC.
2726 OAK RIDGE COURT, SUITE 503
FORT MYERS, FL. 33901

RADIO ENHANCEMENT
PLEASE NOTE: PER 2021 NFPA 1: 11.10, TWO WAY RADIO COMMUNICATION ENHANCEMENT SYSTEMS SHALL COMPLY AT THE CONCLUSION OF CONSTRUCTION (NFPA 72 24.5.2)
PLEASE BE AWARE THAT A DIRECTIVE FROM THE FIRE MARSHAL IS IN EFFECT FOR ALL NEW BUILDINGS. THE FIRE MARSHAL HAS REQUIRED, PER CODE, THAT A THIRD PARTY WILL VERIFY BEFORE (AT BUILDING PLAN REVIEW AS A MODEL) OR AFTER (PRIOR TO FIRE FINAL INSPECTION) CONSTRUCTION THAT THE BUILDING MEETS THE REQUIREMENTS OF NFAP 72 FOR RADIO SIGNAL STRENGTH. IF THE BUILDING IS NON COMPLIANT, THE OWNER AND/OR THE CONTRACTOR IS RESPONSIBLE TO MEET THE CODE REQUIREMENTS PRIOR TO THE FIRE FINAL INSPECTION.

Sunshine811
CALL SUNSHINE (1-800-432-4770)
48 HOURS BEFORE YOU DIG
IT'S THE LAW IN FLORIDA

ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN REDUCED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

VICINITY MAP
0 20 40
FULL SCALE = 40
HALF SCALE = 80

THE INFORMATION AND LINEWORK ON THIS SET OF PLANS IS INTENDED TO BE VIEWED IN FULL COLOR OR AS A PDF FILE. PRINTING THIS PLAN SET IN BLACK & WHITE MAY INHIBIT IMPORTANT VISUAL ELEMENTS NECESSARY TO CLEARLY REPRESENT THE PROVIDED INFORMATION.

KEVIN C. CONOR
LICENSE
No. 101582
STATE OF FLORIDA
PROFESSIONAL ENGINEER
KEVIN C. CONOR, P.E.
LICENSE# 101582

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY KEVIN C. CONOR, P.E. ON THE DATE ADJACENT TO THE SEAL. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

THIS AREA LEFT BLANK FOR APPROVAL STAMPS

SITE DATA:
PROPOSED SITE: 2.36 AC.±

SITE INFORMATION:
ADDRESS: 4307 22ND STREET SW
LEHIGH ACRES, FLORIDA 33976

LOCATION: LEHIGH ACRES UNIT 2 BLK 13 PB 15
PG 100 LOTS 1 THRU 8

STRAP#: 04-45-46-L2-02013.0010

EXISTING ZONING: CC (COMMUNITY COMMERCIAL)
FUTURE LAND USE: URBAN COMMUNITY
DEVELOPMENT TYPE: ESSENTIAL SERVICE (SUBSTATION)
PROP. FLOOR AREA RATIO: 1,200 SF (1.2% LOT COVERAGE)
BUILDING USE: ELECTRICAL VAULT
FLOOD ZONE: ZONE 'X'
BUILDING HEIGHT: 35' MAX (12' PROPOSED)
BUILDING FINISH FLOOR ELEVATION: 28.30 NAVD
CONTROL ELEV.: 22.50 NAVD
BUILDING CONSTRUCTION TYPE: IIB
WATER, SEWER & IRRIGATION: ON SITE WELL
& SEPTIC TANK (PRIVATE)

SHEET INDEX

1	COVER SHEET
2	GENERAL NOTES AND LEGEND
3	AERIAL AND HYDROLOGY MAP
4	EXISTING CONDITIONS AND DEMOLITION PLAN
5	EROSION CONTROL PLAN
6	SITE DIMENSION AND STRIPING PLAN
7	TYPICAL PAVING AND STRIPING DETAILS
8	PAVING, GRADING, AND DRAINAGE
9	TYPICAL SECTIONS
10	TYPICAL DRAINAGE AND CONTROL STRUCTURE DETAILS
11	UTILITY PLAN
	LANDSCAPE AND IRRIGATION PLAN (BY OTHERS)
	LIGHTING PLAN (BY OTHERS)
	SURVEY (BY OTHERS)

DATE	BY	REVISION DESCRIPTION
1/07/25	KC	INITIAL COUNTY SUBMITTAL
4/27/26	KC	1 FIRST COUNTY RESUBMITTAL

AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD. S #200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

LCEC GUNNERY RD. SUBSTATION
4307 22ND STREET SW
LEHIGH ACRES, FLORIDA 33976

COVER SHEET

#25-102/CONST.

VERTICAL ELEVATIONS BASED ON: NAVD 88

P:\CAD\2025\25-102\CONSTRUCTION\PLOT\25-102-01 - COVER.dwg, 1 COVER SHEET, 4/27/2026 2:51:55 PM, 2025 Avalon Engineering Inc., 2025 Avalon Engineering Inc.

GENERAL CONSTRUCTION NOTES

1. ALL ELEVATIONS REFER TO N.A.V.D. 1988, UNLESS OTHERWISE NOTED.
2. CONTRACTOR SHALL LOCATE AND VERIFY THE SIZE, LOCATION AND DEPTH OF ALL EXISTING UTILITIES IN THE FIELD AND SHALL NOTIFY THE UTILITY COMPANIES IN THE AREA BEFORE BEGINNING CONSTRUCTION. ANY UTILITIES THAT ARE DISTURBED OR DAMAGED BY THE CONTRACTOR SHALL BE IMMEDIATELY REPAIRED OR REPLACED BY THE CONTRACTOR AT HIS EXPENSE. ANY DISCREPANCY NOT CALLED TO THE ENGINEER'S ATTENTION PRIOR TO ACCOMPLISHMENT OF THE WORK SHALL BE CORRECTED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
3. ALL MATERIALS AND WORKMANSHIP UNDER THIS PROJECT SHALL BE IN STRICT ACCORDANCE WITH THE CURRENT CONSTRUCTION STANDARDS AND SPECIFICATIONS OF LEE COUNTY DEVELOPMENT STANDARDS AND FLORIDA DEPARTMENT OF (FDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE TRANSPORTATION CONSTRUCTION AND LEE COUNTY UTILITIES (LCU) UNLESS OTHERWISE NOTED.
4. CONCRETE SIDEWALK: USE CLASS I, 3000 PSI (MINIMUM) CONCRETE. APPLY A BROOM FINISH AND MAKE VERTICAL SAW CUTS AT 5' ON CENTER AT A DEPTH OF 1/4 OF THE SLAB THICKNESS. PROVIDE PRE-FORMED EXPANSION JOINTS AT 50' ON CENTER.
5. CONCRETE CURB & GUTTER AND STRAIGHT CURB: USE CLASS I, 3000 PSI (MINIMUM) CONCRETE. MAKE VERTICAL SAW CUTS EVERY 10' ON CENTER WITH PRE-MOLDED EXPANSION JOINTS EVERY 50' ON CENTER.
6. CONSTRUCTION OF NEW DRIVEWAYS AND/OR ALLEYS SHALL BE IN STRICT ACCORDANCE WITH THE CONSTRUCTION STANDARDS AND SPECIFICATIONS OF LEE COUNTY TRANSPORTATION. ALL EXISTING GRADES ALONG RIGHT-OF-WAY SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
7. ALL CONSTRUCTION WITHIN THE RIGHT-OF-WAY SHALL BE IN STRICT ACCORDANCE WITH THE CURRENT FLORIDA DEPARTMENT OF TRANSPORTATION STANDARDS AND ALL REQUIRED INSPECTIONS PERFORMED BY THEM. CONTRACTOR SHALL PROVIDE BOND AND PERMIT FEE AND OBTAIN PERMIT AS REQUIRED.
8. PAVEMENT MARKINGS AND SIGNS SHALL BE IN STRICT ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" AND FDOT STANDARD INDEX #711-001.
9. ALL PERVIOUS AREAS WITHIN THE PROJECT CONSTRUCTION LIMITS SHALL BE GRASSED, SODDED OR MULCHED IN ACCORDANCE WITH THE APPROVED LANDSCAPE PLAN.
10. THE CONTRACTOR SHALL BE REQUIRED TO MEET ALL "MAINTENANCE OF TRAFFIC" REQUIREMENTS AS PRESCRIBED IN THE CURRENT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", F.H.W.A. MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, PART VI, CURRENT EDITION, AND ALL APPLICABLE SECTIONS OF THE ROAD AND TRAFFIC DESIGN STANDARDS, FLORIDA DEPARTMENT OF TRANSPORTATION, CURRENT EDITION.
11. THERE ARE NO KNOWN WELLS LOCATED ON THIS JOB SITE. IF ANY WELLS ARE LOCATED DURING CONSTRUCTION THE CONTRACTOR IS RESPONSIBLE TO NOTIFY THE ENGINEER.
12. ALL PRACTICABLE AND NECESSARY EFFORT SHALL BE TAKEN DURING CONSTRUCTION TO CONTROL AND PREVENT EROSION AND TRANSPORT OF SEDIMENT TO SURFACE DRAINS, SWALES AND OUTFALLS. (REFER TO EROSION CONTROL PLAN)
13. WHERE THE NEW PAVEMENT IS DISCONTINUED IT SHALL BE FLUSH WITH OR HAVE A SMOOTH TRANSITION WITH ADJACENT PAVEMENT.
14. ALL INVERT ELEVATIONS NOTED FOR DRAINAGE STRUCTURES ARE FLOW LINE ELEVATIONS.
15. ALL DISTURBED AREAS WITHIN R/W'S SHALL BE REGRADED AS REQUIRED AND STABILIZED WITH SOD.
16. STORM DRAIN (SD) SHALL BE REINFORCED CONCRETE PIPE, ADS N-12, ALUMINUM, PVC SDR-35, A-2000 PVC, OR AS SHOWN ON PLANS. NO STEEL PIPE, NON REINFORCED CONCRETE PIPE, OR FIBER REINFORCED PIPE.
17. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER SHOP DRAWINGS OF ANY AND ALL MATERIALS, STRUCTURES, PIPING, VALVES, VALVE BOXES, ETC, TO BE USED ON SITE PRIOR TO ORDERING OR INSTALLING, INCLUDING MFG. OF SAME.
18. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION AND CONDUIT INSTALLATION FOR UNDERGROUND ELECTRIC, PHONE AND CABLE.
19. THIS PROJECT DOES NOT PROPOSE ANY IMPACTS TO GROUND WATER OR SURFACE WATER. CONTRACTOR SHALL INFORM ENGINEER OF RECORD OF ANY POTENTIAL IMPACTS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
20. THE EXISTING LCDOT TRAFFIC DETECTORS AND COMMUNICATIONS INFRASTRUCTURE INCLUDING TRAFFIC COUNT STATIONS, PULL BOXES, AND FIBER OPTIC CABLES
21. MUST BE PROTECTED ALL THE TIME DURING THE CONSTRUCTION OF THE PROJECT. THE CONTRACTOR MUST COORDINATE WITH THE LCDOT TRAFFIC SECTION TO REPAIR ALL DAMAGES TO TRAFFIC SIGNAL EQUIPMENT, TRAFFIC DETECTORS, FIBER OPTIC CABLES, AND COMMUNICATIONS INFRASTRUCTURE WITHIN 24 HOURS OF BEING DAMAGED.
22. WHERE RCP STORM PIPE IS SPECIFIED ON THE PLANS, ADS HP STORM PIPE CAN BE UTILIZED AS AN EQUAL ALTERNATIVE AT THE OWNER'S DISCRETION. SPECIAL BEDDING, BACKFILL, WATER-TIGHT GASKETS / JOINT JACKETS, AND/OR DEWATERING PRACTICES MAY BE REQUIRED TO FACILITATE THE USE OF THE PIPE ALTERNATE. THE CONTRACTOR IS REQUIRED TO CONTACT ADVANCED DRAINAGE SYSTEMS, INC. TO REQUEST A DRAINAGE NETWORK ANALYSIS TO ASSESS THE SYSTEM FOR FLOTATION PREVENTION, MINIMUM COVER AND PIPE CLASSIFICATION. COPIES OF THE ANALYSIS MUST BE PROVIDED TO ENGINEER OF RECORD PRIOR TO COMMENCEMENT OF CONSTRUCTION FOR APPROVAL.
23. CONTRACTOR IS RESPONSIBLE FOR BRINGING ANY CONFLICTS AND/OR DISCREPANCIES RELEVANT TO DESIGN AND/OR DETAILS PROPOSED WITHIN CONSTRUCTION PLANS TO ATTENTION OF THE ENGINEER OF RECORD PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES.

TRANSFORMER PAD NOTES:

1. CONTRACTOR TO COORDINATE TRANSFORMER PAD SIZE AND LOCATION WITH UTILITY COMPANY PRIOR TO CONSTRUCTION.
2. TRANSFORMER SYMBOL SHOWN ON PLANS IS FOR GRAPHICAL PURPOSES ONLY.
3. TOP OF PAD SHALL BE AT FINISH GRADE BUT NOT TO EXCEED 6 INCHES ABOVE FINISH GRADE.
4. MAINTAIN ACCESS TO PAD-MOUNTED EQUIPMENT LOCATED ON THE PROPERTY.
5. THERE SHALL BE 8 FEET OF CLEARANCE FROM THE DOOR SIDE AND 3 FEET OF CLEARANCE FROM OTHER SIDES OF PAD FROM ITEMS SUCH AS FENCES, SHRUBS AND OTHER OBSTRUCTIONS.
6. SUITABLE BARRIERS SHALL BE INSTALLED, IF SPECIFIED BY ELECTRIC COMPANY, TO PROTECT THE PAD MOUNTED TRANSFORMER AND ASSOCIATED METERING EQUIPMENT FROM VEHICULAR TRAFFIC.
7. UTILITY EASEMENT SHALL BE PROVIDED FOR THE TRANSFORMER PAD AND DISTRIBUTION CABLES. SIZE TO BE DETERMINED BY THE UTILITY COMPANY.

MISC. NOTES

1. THE SIZES AND LOCATIONS OF THE UNDERGROUND ELECTRIC CONDUITS, SLEEVES, TRANSFORMERS, ENCLOSURES, LIGHT POLES AND OTHER APPURTENANCES ARE BASED UPON THE DESIGN PROVIDED BY THE LEE COUNTY ELECTRIC COOPERATIVE (FP&L). THE FP&L SHALL VERIFY ACTUAL LOCATION, SIZE AND DEPTH PRIOR TO INSTALLATION OF THEIR FACILITIES. THE SITE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE CONSTRUCTION OF THE OTHER SITE-RELATED IMPROVEMENTS (I.E. PAVING, DRAINAGE, WATER, SEWER, ETC.) WITH THE VERIFIED LAYOUT BY FP&L.
2. OUTDOOR LIGHTING SHALL COMPLY WITH ALL LEE COUNTY CODES, STANDARDS AND REGULATIONS, AND SHALL BE DESIGNED IN A FASHION TO PROVIDE ADEQUATE VISIBILITY WITHIN THE DEVELOPMENT WHILE NOT ADVERSELY IMPACTING ADJOINING PROPERTIES. PRIOR TO ISSUANCE OF ANY BUILDING PERMIT, SITE LIGHTING PLAN AND PHOTOMETRIC PLAN SHALL BE SUBMITTED AND APPROVED BY LEE COUNTY.
3. PLANTINGS AT BOTTOM OF RETENTION/DETENTION AREAS I.E. TREES, PALMS AND SHRUBS, MUST NOT INTERFERE WITH THE VOLUME OF STORMWATER STORAGE, OR IMPEDE THE FLOW OF RUNOFF. TREES AND SHRUBS MUST NOT INTERFERE WITH THE REQUIRED SIDE SLOPES AND SHALL NOT BE PLANTED ON SLOPES GREATER THAN 3:1. RETENTION/DETENTION AREAS MUST BE STABILIZED WITH SOD UNLESS AN ALTERNATIVE METHOD IS SPECIFICALLY PERMITTED PRIOR TO PLANS APPROVAL. NO ORGANIC MULCH WILL BE PERMITTED IN RETENTION/DETENTION AREAS. LAND USE REGULATION 5.2

MISC. ON-SITE UTILITY NOTES:

1. WATER PIPE 2" AND SMALLER TO BE POLYVINYL CHLORIDE (PVC) AND SHALL CONFORM TO ASTM D-1785, PVC CLASS 1120 OR 1220 SCHEDULE 40 OR 80, 30" MINIMUM COVER. WATER PIPE GREATER THAN 2" UP TO AND INCLUDING 10" DIAMETER SHALL BE AWWA D-900, CLASS 150, DR-18, MINIMUM 30" COVER. ALL APPURTENANCES USED SHALL BE NSF ANSI-GI AND OR ANSI-14 APPROVED PER CONTRACT.
2. GRAVITY SEWER PIPE 4" DIAMETER AND GREATER SHALL BE PVC AND SHALL CONFORM TO ASTM D-3034, SDR 26, 3 FOOT MINIMUM COVER, UNLESS OTHERWISE SHOWN. FORCE MAIN PIPE SHALL BE AWWA C-900, CLASS 150, DR-18, MINIMUM 30" COVER.
3. WHERE WATER AND SEWER MAINS CROSS THE MINIMUM VERTICAL SEPARATION SHALL BE 18 INCHES. WHERE THIS IS NOT POSSIBLE, THE SEWER MAIN SHALL BE ENCASED IN CONCRETE 10 FEET EITHER SIDE OF THE POINT OF CROSSING (SEE DETAIL FOR OTHER OPTIONS). THE CONTRACTOR SHALL COMPLY WITH RULE 62-555.345 FAC. SEE CROSSING DETAILS.

GEOTECH REPORT NOTE:

THE SITE CONTRACTOR SHALL BECOME FAMILIAR WITH THE GEOTECHNICAL REPORT IF ONE WAS PREPARED. THE CONTRACTOR SHALL COMPLY WITH ALL THE SITE PREPARATION AND OTHER SITE RELATED ITEMS, RECOMMENDATIONS AND PROCEDURES.

UTILITIES:

FIRE
LEHIGH ACRES FIRE STATION 103
308 GUNNERY RD. S
LEHIGH ACRES, FL. 33973
(239) 303-5300

TELEPHONE
CENTURY LINK
2820 CARGO STREET
FT. MYERS, FL. 33916
(239) 645-4922

CABLE
COMCAST CABLE
301 TOWER ROAD
NAPLES, FL. 34113
(239) 432-9227

REFUSE
WASTE MANAGEMENT
11990 S.R. 82
FORT MYERS, FLA. 33913

ELECTRIC
LEE COUNTY ELECTRIC COOPERATIVE
P.O. BOX 3455
N. FT. MYERS, FL. 33918
(239) 656-2300

GAS
TECO/PEOPLE & GAS
5901 ENTERPRISE PARKWAY
FT. MYERS, FL. 33905
(239) 690-5508

WATER
FLORIDA GOVERNMENTAL UTILITY AUTHORITY
9841 BERNWOOD PLACE DRIVE, SUITE 120
FORT MYERS, FL 33966
(239) 543-1005

SEWER
FLORIDA GOVERNMENTAL UTILITY AUTHORITY
9841 BERNWOOD PLACE DRIVE, SUITE 120
FORT MYERS, FL 33966
(239) 543-1005

LEGEND

- C-1 COM — ZONING AND LANDUSE
- EXIST. WATER MAIN & G.V.
- PROP. WATER MAIN & G.V.
- METER AND/OR BACKFLOW DEVICE
- FIRE HYDRANT ASSEMBLY
- FDC ASSY. W/ PIV & CHECK VALVE
- PROP. BLOW-OFF VALVE
- PROP. D.I.P. WATER LINE
- EXIST. IRRIGATION MAIN & G.V.
- PROP. IRRIGATION MAIN & G.V.
- EXIST. FIRE MAIN & G.V.
- PROP. FIRE MAIN & SERVICE
- EXIST. SANITARY SEWER MAIN (SDR 26 PVC) AND MANHOLE
- PROP. SANITARY SEWER MAIN (SDR 26 PVC) AND MANHOLE
- SANITARY SEWER LATERAL W/ CLEANOUT
- EXIST. SEWER FORCE MAIN
- PROP. SEWER FORCE MAIN
- PROP. PLUG VALVE
- EXIST. STORM DRAIN & INLET
- PROP. STORM DRAIN & INLET
- PROP. YARD DRAIN
- P-25 — STRUCTURE I.D.
- RETENTION AREAS
- (2) 4" PVC SLEEVES AT 24" MIN. COVER
- X 4.50 — EXISTING ELEVATION
- DRAINAGE FLOW ARROW
- PROPOSED ELECTRIC CAR CHARGING POST WITH SIGN
- PROPOSED BIKE RACK
- XX.XX — PROPOSED ELEVATION
- XX.XX — PROPOSED DESIGN ELEVATION **
- LIGHT POLE (BY OTHERS)
- HANDICAP RAMP (12:1 MAX. SLOPE)
- ROCK BOULDER RIP-RAP OVER FILTER FABRIC
- POWER POLE W/OVERHEAD LINES
- TF — TRANSFORMER PAD (BY OTHERS, COORDINATE W/ELEC. COMPANY)
- T — PHONE/CABLE BOX (BY OTHERS)
- CONCRETE
- GRAVEL
- DETECTABLE WARNING MATERIAL
- HEAVY DUTY ASPHALT PAVEMENT (SEE SECTIONS)
- TYPICAL ASPHALT PAVEMENT (SEE SECTIONS)
- PROPOSED BUILDING
- DETENTION AREA
- LAKE

** ALL DESIGN ELEVATIONS WITHIN CITY R/W INCLUDING PAVEMENT, WALKS, DRIVES & ALLEYS ARE TO BE COORDINATED WITH CITY PUBLIC WORKS DEPT. PRIOR TO CONSTRUCTION.

NOTE:
SEWER, WATER/IRRIGATION SERVICES AND FIRE HYDRANT ASSEMBLIES ARE SHOWN IN A SCHEMATIC FORMAT FOR CLARITY. REFER TO SEWER & WATER/IRRIGATION DETAIL SHEETS FOR PLACEMENT OF SERVICES AND HYDRANTS.

Sunshine811
CALL SUNSHINE (1-800-432-4770)
48 HOURS BEFORE YOU DIG
IT'S THE LAW IN FLORIDA

VERTICAL ELEVATIONS BASED ON: NAVD 88

KEVIN C. CONOR LICENSE No. 101582 STATE OF FLORIDA PROFESSIONAL ENGINEER
KEVIN C. CONOR, P.E.
LICENSE# 101582

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004,FAC

DATE	BY	REVISION DESCRIPTION
1/07/25	KC	INITIAL COUNTY SUBMITTAL
4/27/26	KC	1 FIRST COUNTY RESUBMITTAL

AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD. S #200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

LCEC GUNNERY RD. SUBSTATION
4307 22ND STREET SW
LEHIGH ACRES, FLORIDA 33976

GENERAL NOTES AND LEGEND

#25-102/CONST.

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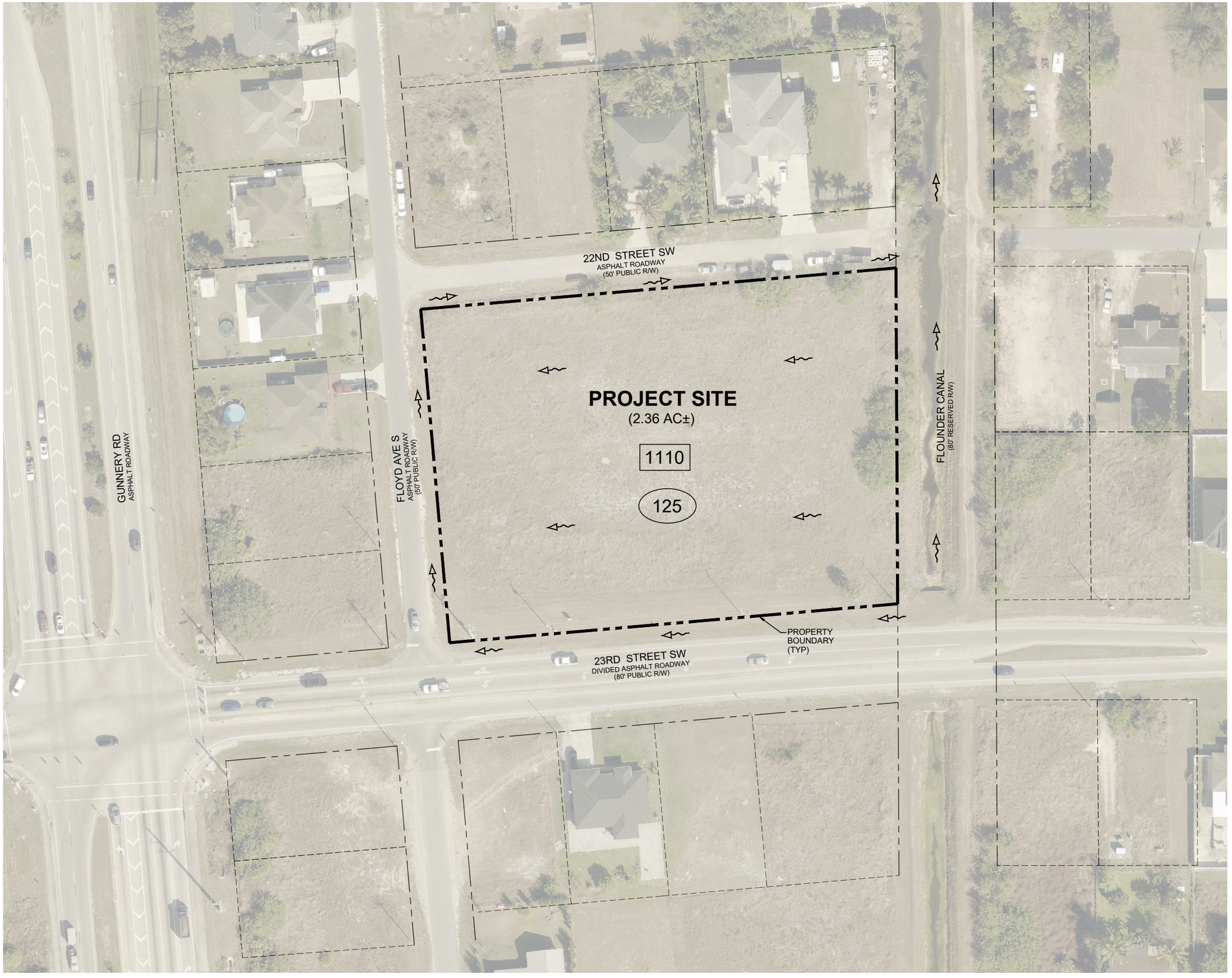

SOIL LEGEND

(125) OLDSMAR SAND-URBAN LAND, 0% - 2% SLOPES

FLUCCS

1110 FIXED SINGLE FAMILY UNITS

LEGEND

EXISTING DRAINAGE FLOW ARROW

FLOOD ZONE DESCRIPTION

FEMA FLOOD ZONE 'X'

MINIMUM F.F.E. TO BE 1 FOOT HIGHER THAN FLOOD ZONE ELEVATION.

VERTICAL ELEVATIONS BASED ON: NAVD 88

KEVIN C. CONOR LICENSE No. 101582 STATE OF FLORIDA PROFESSIONAL ENGINEER

KEVIN C. CONOR, P.E.
LICENSE# 101582

N

0 20 40
FULL SCALE = 40
HALF SCALE = 80

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DATE	BY	REVISION DESCRIPTION
1/07/26	KC	INITIAL COUNTY SUBMITTAL
4/27/26	KC	1ST FIRST COUNTY RESUBMITTAL

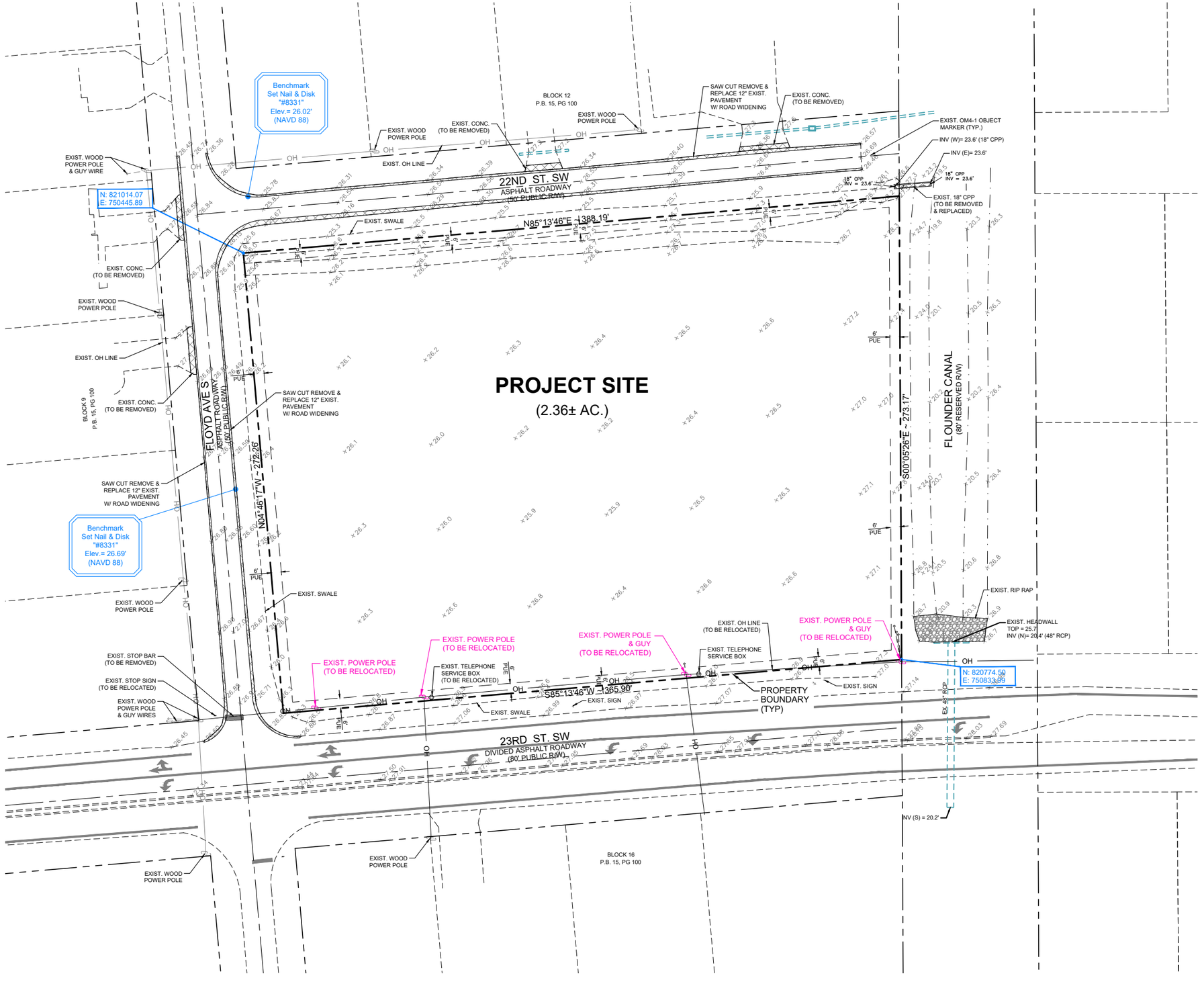
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD. S #200
CAPE CORAL, FLORIDA 33904
FBPER#3128 (239) 573-2077

LCEC GUNNERY RD. SUBSTATION
4307 22ND STREET SW
LEHIGH ACRES, FLORIDA 33976

AERIAL AND HYDROLOGY MAP

#25-102/CONST.

P:\CAD\2025\25-102\CONSTRUCTION\PLOT\25-102-03 - AERIAL.dwg, 3 AERIAL, 4/27/2026 2:52:22 PM, 2025 Avalon Engineering Inc., 2025 Avalon Engineering Inc.



LEGEND

TO BE REMOVED

FULL SCALE = 30
HALF SCALE = 60

DEMOLITION NOTES:

1. CONTRACTOR SHALL LOCATE AND VERIFY THE SIZE, LOCATION, AND DEPTH OF ALL EXISTING UTILITIES IN THE FIELD AND SHALL NOTIFY THE UTILITY COMPANIES IN THE AREA BEFORE BEGINNING CONSTRUCTION. ANY UTILITIES THAT ARE DISTURBED OR DAMAGED BY THE CONTRACTOR SHALL BE IMMEDIATELY REPAIRED OR REPLACED BY THE CONTRACTOR AT HIS EXPENSE. ANY DISCREPANCY NOT CALLED TO THE ENGINEER'S ATTENTION PRIOR TO ACCOMPLISHMENT OF THE WORK SHALL BE CORRECTED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND DEMOLITION OF ANY EXISTING STRUCTURES WITHIN THE PROJECT LIMITS. ALL DEBRIS GENERATED SHALL BE REMOVED FROM THE SITE AND HAULED TO A COUNTY APPROVED OFF-SITE DUMP. THE CONTRACTOR SHALL ACQUIRE ALL NECESSARY PERMITS FOR THESE OPERATIONS.
3. THE CONTRACTOR, AT HIS OWN EXPENSE AND IN CONFORMANCE WITH ANY APPLICABLE GOVERNMENTAL REGULATION, SHALL DURING THE COURSE OF AND AFTER COMPLETION OF CONSTRUCTION, REMOVE FROM THE JOB SITE AND DISPOSE OF, IN AN AUTHORIZED GARBAGE OR RUBBISH DISPOSAL SITE, ALL RUBBISH, SCRAP, AND DEBRIS ACCUMULATED IN CONNECTION WITH HIS WORK AND SHALL DELIVER THE WORK IN A NEAT AND WORKMANLIKE MANNER.
4. DURING USE OF STREETS AND HIGHWAYS FOR WORK TO BE DONE UNDER THIS CONTRACT, DETERMINE AND CONFORM TO ALL STATE, COUNTY, AND LOCAL LAWS AND REGULATIONS. PROVIDE, ERECT, AND MAINTAIN EFFECTIVE BARRICADES, DANGER SIGNALS, AND SIGNS ON ALL INTERCEPTED STREETS OR HIGHWAYS FOR PROTECTION OF WORK AND SAFETY OF THE PUBLIC. ALL BARRICADES OR OBSTRUCTIONS WHICH ENCROACH ON, OR ARE ADJACENT TO, PUBLIC RIGHT-OF-WAYS SHALL BE PROVIDED WITH LIGHTS WHICH SHALL BE KEPT BURNING AT ALL TIMES BETWEEN SUNSET AND SUNRISE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGE RESULTING FROM ANY NEGLECT OR FAILURE TO MEET THESE REQUIREMENTS
5. ARRANGE WORK TO MINIMIZE AMOUNT OF DISTURBANCE TO NORMAL PEDESTRIAN AND VEHICULAR TRAFFIC AND PROVIDE ADEQUATE MEANS OF ACCESS TO ALL PUBLIC AND PRIVATE PROPERTIES DURING CONSTRUCTION. IF CONSTRUCTION WORK SHOULD REQUIRE REPAIRS, CHANGES, OR MODIFICATIONS OF OTHER UTILITIES, THE CONTRACTOR SHALL PROVIDE FOR MAINTENANCE OF CONTINUOUS WATER, ELECTRIC, TELEPHONE, GAS, SEWAGE, AND OTHER UTILITY SERVICES TO ALL CONNECTED CUSTOMERS OF SUCH UTILITIES UNLESS APPROVAL IN WRITING IS OBTAINED FROM UTILITY COMPANY OR OWNER FOR INTERRUPTION OF SUCH SERVICES.
6. RELOCATION OR REMOVAL OF EXISTING LANDSCAPE TREES SHALL BE COORDINATED WITH LANDSCAPE ARCHITECT.
7. EXISTING ASPHALT EDGE SHALL BE SAWCUT 1' MIN. AT ROADWAY LOCATION. ANY EXISTING THERMOPLASTIC STRIPING REMAINING SHALL BE GROUND OFF.
8. ALL EXISTING UTILITY SERVICE CONNECTIONS THAT WILL NOT BE UTILIZED FOR THIS PROJECT SHALL BE ABANDONED AT THE MAIN OR POINT AGREED UPON BY THE UTILITY INSPECTOR, PER LEE COUNTY SPECIFICATIONS. WATER AND IRRIGATION SERVICES MUST BE ABANDONED AT THE MAIN. SEWER LATERALS MUST BE CAPPED AT THE R.O.W. WITH AN APPROVED LOCATOR INSTALLED. A VISUAL INSPECTION MUST BE COMPLETED BY A LEE COUNTY UTILITIES INSPECTOR.

CLEARING NOTES:

1. EXOTIC VEGETATION AS DEFINED BY LEE COUNTY LAND DEVELOPMENT CODE SHALL BE ERADICATED FROM THE SITE AND SUBSEQUENT ANNUAL EXOTIC ERADICATION (IN PERPETUITY) SHALL BE THE RESPONSIBILITY OF THE PROPERTY OWNER.
2. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, ALL EXISTING NATIVE VEGETATION TO BE RETAINED SHALL BE IDENTIFIED. THE CONTRACTOR SHALL INSTALL ENVIROFENCE (OR EQUAL) BEYOND THE DRIP LINES OF THE PRESERVED VEGETATION AND ALONG THE LIMITS OF CLEARING. THE FENCE SHALL REMAIN ERECTED AND MAINTAINED THROUGHOUT THE DURATION OF THE CONSTRUCTION ACTIVITIES.

LCEC POWER LINE RELOCATION TO BE COORDINATED WITH LCEC

VERTICAL ELEVATIONS BASED ON: NAVD 88

KEVIN C. CONOR
LICENSE
No. 101582
STATE OF FLORIDA
PROFESSIONAL ENGINEER

KEVIN C. CONOR, P.E.
LICENSE# 101582

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CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

LCEC GUNNERY RD. SUBSTATION
4307 22ND STREET SW
LEHIGH ACRES, FLORIDA 33976

EXISTING CONDITIONS AND DEMOLITION PLAN

#25-102/CONST.

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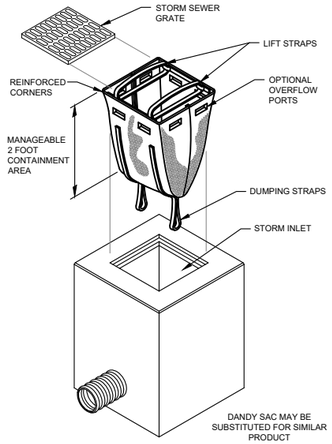
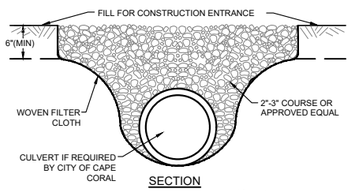
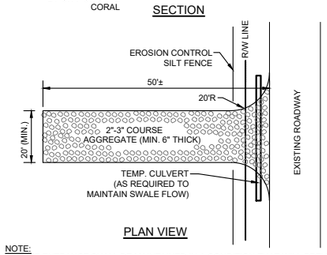


DANDY SACK™ INLET PROTECTION

N.T.S.



SECTION

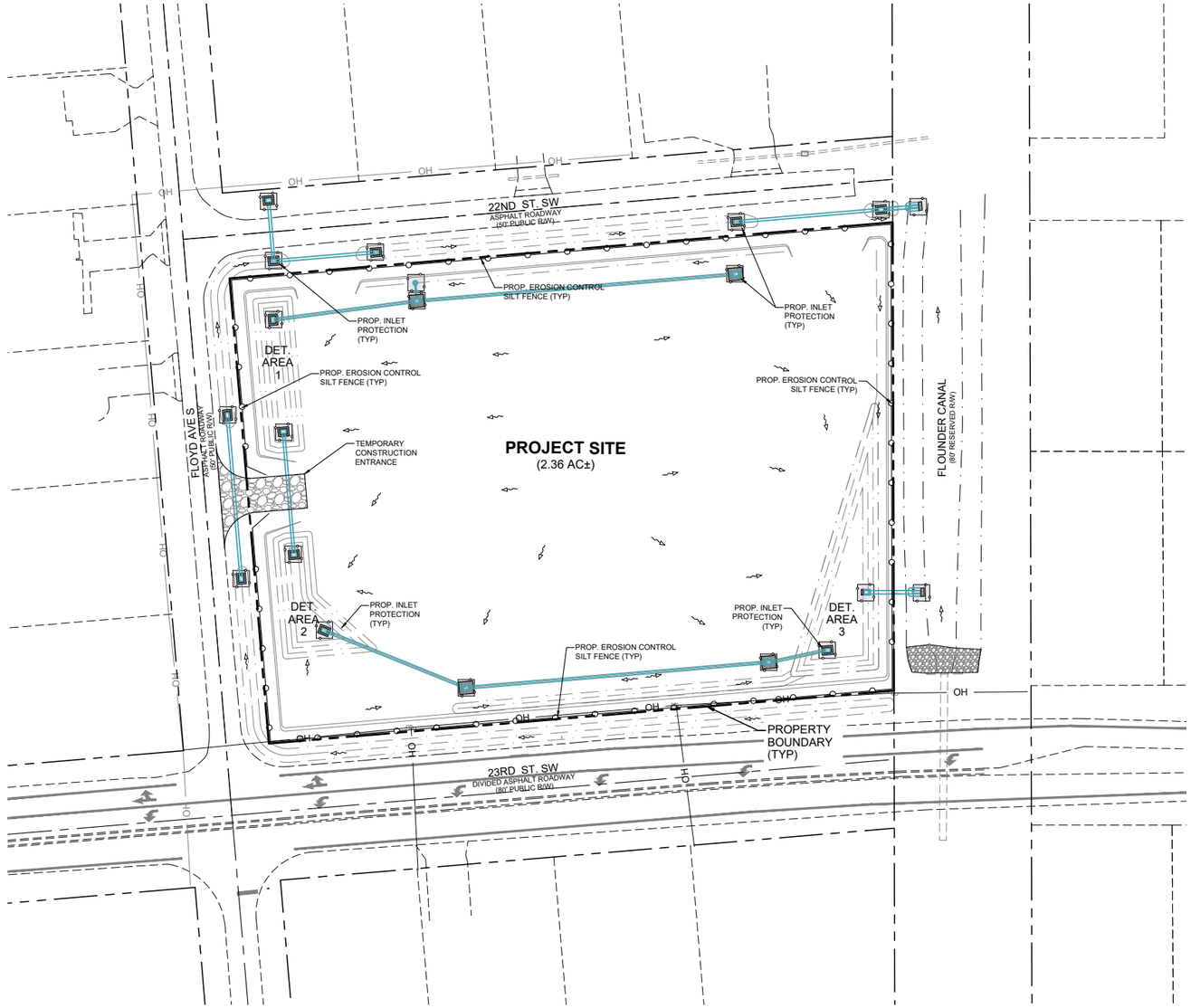


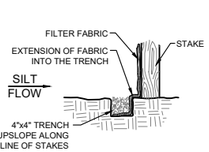
PLAN VIEW

NOTE:
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC R/W. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC R/W.
3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED W/ CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

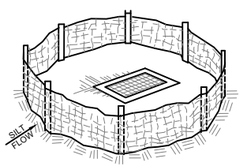
TEMP. CULVERT @ CONST. ENTRANCE

N.T.S.

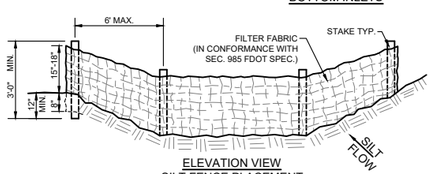




CONSTRUCTION OF A SILT FENCE



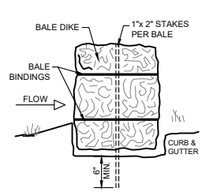
SILT FENCE PROTECTION AROUND DITCH BOTTOM INLETS



ELEVATION VIEW
SILT FENCE PLACEMENT

SILT FENCE DETAILS

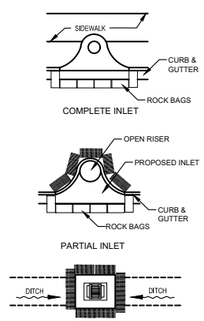
N.T.S.



NOTE: RESTORE ALL INLETS IN R/W WITH SOD ON ALL SIDES (10' TYP.)

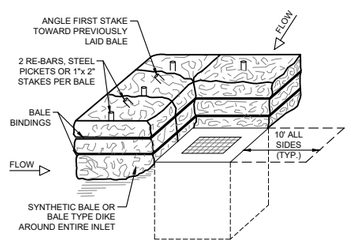
BEDDING DETAIL

N.T.S.



EROSION CONTROL

N.T.S.



ANCHORING DETAIL
SYNTHETIC BALE PLACEMENT

N.T.S.

EROSION CONTROL NOTES

1. THE CONTRACTOR SHALL ADHERE TO THE SEQUENCE OF OPERATIONS FOR EROSION CONTROL IMPLEMENTATION HEREON. ANY DEVIATION FROM THIS SEQUENCE DEEMED NECESSARY BY THE CONTRACTOR SHALL BE APPROVED BY THE OWNER.
2. THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS INVOLVED WITH THE CONSTRUCTION ACTIVITIES RELATED TO EROSION CONTROL AS SHOWN OR NOTED HEREON SHALL OBTAIN A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP), AS WELL AS THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT FOR THIS SITE, AND BECOME FAMILIAR WITH THEIR CONTENTS.
3. ALL WASH WATER SHALL BE DISPOSED OF IN A MANNER THAT PREVENTS CONTACT BETWEEN WASH WATER POLLUTANTS AND STORM RUNOFF DISCHARGED FROM THIS SITE.
4. OIL AND GREASE ABSORBING MATERIALS SHALL BE READILY AVAILABLE ON-SITE AND SHALL BE PROMPTLY USED TO CONTAIN AND/OR CLEAN UP ALL FUEL OR CHEMICAL SPILLS OR LEAKS.
5. DUST CONTROL SHALL BE ACCOMPLISHED BY WATERING DRY, EXPOSED AREAS ON A REGULAR BASIS. SPRAYING OF PETROLEUM BASED OR TOXIC LIQUIDS FOR THIS IS PROHIBITED.
6. ALL CITY RIGHT-OF-WAYS THAT ARE DISTURBED DURING CONSTRUCTION SHALL BE PERMANENTLY SODDED PRIOR TO THE COMPLETION OF THE PROJECT.
7. DISTURBED AREAS OF THE SITE WHERE CONSTRUCTION AREAS HAVE PERMANENTLY CEASED SHALL BE PERMANENTLY SEEDED OR SODDED, AS SHOWN ON THE ATTACHED PLAN, WITHIN FOURTEEN DAYS.
8. ALL VEHICLES SHALL BE CLEANED AT THE CONSTRUCTION SITE PRIOR TO EXITING.
9. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED ONTO ADJACENT ROADWAYS BY VEHICLES EXITING THE SITE SHALL BE CLEANED OR REMOVED IMMEDIATELY.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROMPT REMOVAL OF ALL ACCUMULATED SILT IN THE STORM SEWER SYSTEM AND ALONG SILT FENCES.
11. SILT FENCES SHALL BE PLACED AROUND ANY STOCKPILES USED ON THIS SITE.
12. ANY ADDITIONAL EROSION CONTROL MEASURES REQUIRED TO ENSURE COMPLIANCE WITH THE U.S.E.P.A.; FLORIDA DEP AND LOCAL GOVERNING AGENCY STORM WATER POLLUTION REGULATIONS SHALL BE IMPLEMENTED BY THE CONTRACTOR, AT NO ADDITIONAL COST TO THE OWNER.
13. ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED AND PROPERLY DISPOSED OF OFF-SITE WITHIN THIRTY DAYS AFTER STABILIZATION OF ALL SURFACES.
14. THE CONTRACTOR SHALL ASSUME LIABILITY FOR DAMAGE TO ADJACENT PROPERTIES AND/OR PUBLIC RIGHT-OF-WAY RESULTING FROM FAILURE TO FULLY IMPLEMENT AND EXECUTE ALL EROSION CONTROL PROCEDURES SHOWN AND NOTED IN THE PLANS.
15. WHENEVER DIRT, ROCK OR OTHER MATERIALS ARE EXPORTED FOR USE OFF OF THE PRIMARY CONSTRUCTION SITE, THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THAT EPA STORMWATER PERMITTING REQUIREMENTS ARE MET. PRIOR TO ANY EXPORT OF MATERIALS, THE CONTRACTOR SHALL FURNISH THE ENGINEER WITH A WRITTEN AGREEMENT WITH ANY LANDOWNER WHO WILL RECEIVE EXPORTED MATERIALS, STATING THAT THE SITE WILL BE PROPERLY PERMITTED WHEN REQUIRED AND DESCRIBE THE EROSION CONTROL MEASURES WHICH WILL BE USED. AT A MINIMUM, EROSION CONTROL MEASURES MUST CONSIST OF PERIMETER CONTROLS (SYNTHETIC BALES OR SILT FENCES) ON ALL DOWNSLOPE AND SIDESLOPE BOUNDARIES OF ANY DISTURBED AREAS, PLUS PROVISIONS FOR RE-VEGETATION AFTER THE FILL MATERIALS ARE IN PLACE.
16. PRIOR TO CONSTRUCTION FILTER FABRIC SILT FENCE, OR OTHER APPROVED EROSION CONTROL DEVICES SHALL BE INSTALLED ACROSS THE SWALE AT THE LOWEST DISTURBED POINT TO PREVENT EROSION MATERIAL FROM LEAVING THE CONSTRUCTION AREA, INCLUDING ANY VACANT AREAS USED FOR INGRESS AND EGRESS. ALTERNATIVE USES COULD BE GEO-HAY, WADDLES, TERRA TUBES, SEDIMENT LOGS, ETC.
17. ALL AFFECTED STORMWATER PIPES, INLETS AND CATCH BASINS SHALL BE PROTECTED BY EROSION CONTROL DEVICES TO PREVENT CONSTRUCTION RELATED EROSION MATERIAL FROM ENTERING THE STORMWATER SYSTEM. SHOULD THE EROSION CONTROLS NOT BE INSTALLED AND/OR FAIL THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING THE ENTIRE SYSTEM AS DEEMED NECESSARY BY THE ENGINEER AND GOVERNING AGENCY.
18. THE EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO ANY CONSTRUCTION PROCESS AND SHALL REMAIN IN PLACE UNTIL STABILIZED WITH SOD AND THE VACANT AREAS ARE SEEDED AND MULCHED.
19. REFER TO FDOT EROSION AND SEDIMENT CONTROL MANUAL & DETAILS.
20. ALL DEWATERING SHALL BE IN ACCORDANCE WITH S.F.W.M.D. CRITERIA.

NOTES:

1. DOUBLE-ROW SILT FENCING TO BE REMOVED ONCE SURROUNDING SIDE SLOPES HAVE BEEN STABILIZED.
2. DOUBLE-ROW SILT FENCING TO BE IN ACCORDANCE WITH FLORIDA EROSION AND SEDIMENT CONTROL INSPECTORS MANUAL. THE SECOND ROW SHOULD BE LOCATED LANDWARD OF THE LIMITS OF CONSERVATION EASEMENT BOUNDARY WITH A 3' MINIMUM SPACE BETWEEN THE FIRST AND SECOND ROW

CONTRACTOR TO SUPPLY
"SIDEWALK CLOSED"
SIGNAGE AS REQUIRED

LEGEND

- STAKED SILT FENCE
- SURFACE HYDROLOGY
- TURBIDITY BARRIER
- STAKED SYNTHETIC HAY BALE OR STAKED SILT FENCE @ INLETS

VERTICAL ELEVATIONS BASED ON: NAVD 88

KEVIN C. CONOR
LICENSE
No. 101582
STATE OF FLORIDA
PROFESSIONAL ENGINEER

KEVIN C. CONOR, P.E.
LICENSE# 101582

0 20 40
FULL SCALE = 40
HALF SCALE = 80

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, FAC

DATE	BY	REVISION DESCRIPTION
1/07/25	KC	INITIAL COUNTY SUBMITTAL
4/27/26	KC	1 FIRST COUNTY RESUBMITTAL

AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD. S #200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

LCEC GUNNERY RD. SUBSTATION
4307 22ND STREET SW
LEHIGH ACRES, FLORIDA 33976

EROSION CONTROL PLAN

#25-102/CONST.

5 OF 11

P:\CAD\2025\25-102\CONSTRUCTION\PLOT\25-102-05 - EROS-CNTRL.dwg, 5 EROSION CONTROL PLAN, 4/27/2026 2:52:53 PM, 2025 Avalon Engineering Inc., 2025 Avalon Engineering Inc.

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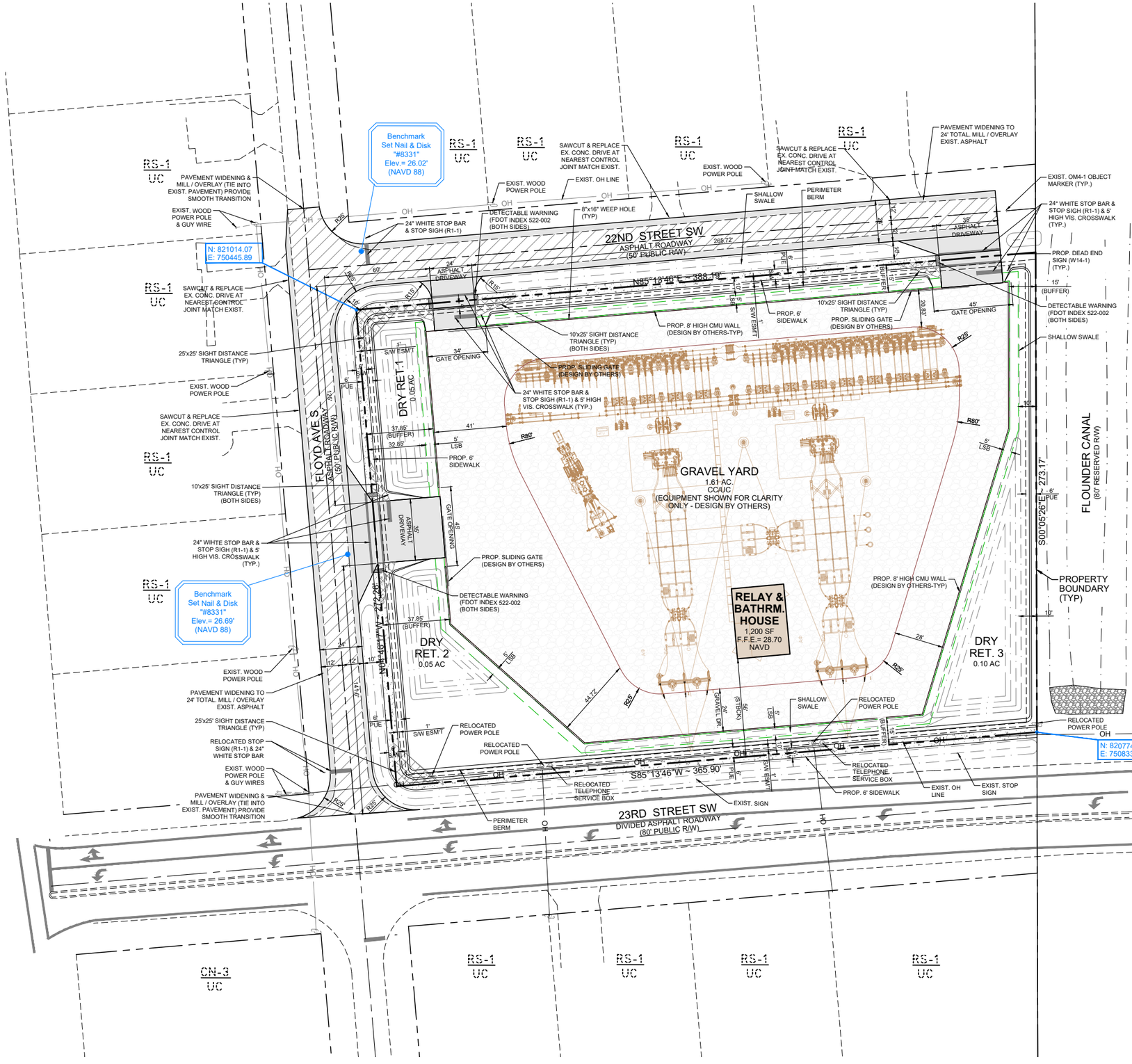

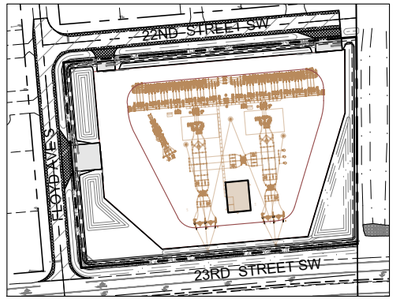

PAVEMENT KEY MAP

N.T.S.

- HEAVY DUTY PAVEMENT SECTION (ON-SITE: 2,274 SF)
- R.O.W. MILL & OVERLAY (13,226 SF) (SEE TYPICAL PAVEMENT SECTIONS)
- LEE COUNTY R/W PAVEMENT SECTION: (6,296 SF)

TOTAL SITE AREA BREAKDOWN

TOTAL SITE AREA:	**2.36 AC**	**(100%)**
TOTAL IMPERVIOUS AREA:	**1.69 AC**	**(71.6%)**
BUILDING AREA: 1,200 SF	0.03 AC	(1.2%)
PAVEMENT / CONCRETE AREA:	1.66 AC	(70.4%)
TOTAL OPEN SPACE AREA:	**0.67 AC**	**(28.4%)**
GREEN SPACE AREA:	0.47 AC	(19.8%)
DRY DETENTION AREA:	0.20 AC	(8.6%)
ADDITIONAL IMPERV. R/W AREA:	**0.27 AC**	

OPEN SPACE PARAMETERS:

SITE AREA: SF 2.36 AC. (100%)

OPEN SPACE
REQUIRED MIN. OPEN SPACE: 0.47 AC. (20%)
PROVIDED OPEN SPACE: 0.67 AC. (28.4%)

MILL & RESURFACE NOTE:

AN AVERAGE DEPTH OF CUT FOR MILLING AND RESURFACING THE COUNTY ROW IS ONE INCH (1"). HOWEVER, DEPENDING UPON THE CONDITIONS OF THE ROADWAY, A GREATER CUT DEPTH MAY BE REQUIRED AT PERMITTEE'S SOLE EXPENSE.

MISC. WALK & STRIPING NOTES:

THICKENED EDGE WALKS ADJACENT TO BUILDINGS AND PARKING SPACES SHALL BE 5' IN WIDTH WITH CONC. WHEEL GUARD. THICKENED EDGE WALK ADJACENT TO BUILDING SHALL BE 5' MIN. WIDTH. ALL OTHER WALKS SHALL BE 5' MIN. WIDTH UNLESS OTHERWISE SHOWN.

GATE NOTE:

*ELECTRONIC GATES SHALL BE PROVIDED WITH AN EVAC SYSTEM FOR FIRE DEPARTMENT ACCESS (18.2.2.2-5)

LIGHTING NOTE:

THIS PROJECT IS FOR AN UNMANNED LCEC ELECTRICAL SUBSTATION. AS SUCH, NO SITE LIGHTING WILL BE INSTALLED AND A PHOTOMETRIC STUDY IS NOT REQUIRED.

VERTICAL ELEVATIONS BASED ON: NAVD 88

KEVIN C. CONOR
LICENSE
No. 101582
STATE OF FLORIDA
PROFESSIONAL ENGINEER

KEVIN C. CONOR, P.E.
LICENSE# 101582

FULL SCALE = 30
HALF SCALE = 60

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CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

LCEC GUNNERY RD. SUBSTATION
4307 22ND STREET SW
LEHIGH ACRES, FLORIDA 33976

SITE DIMENSION AND STRIPING PLAN

#25-102/CONST.

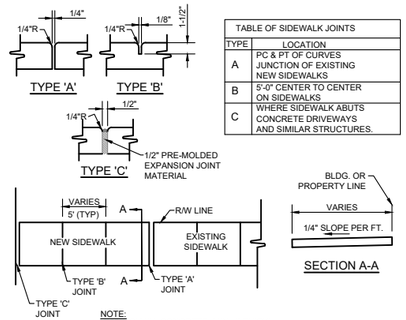
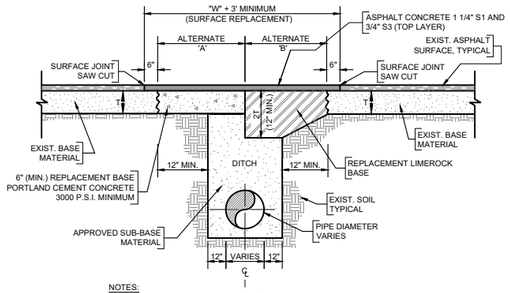


TABLE OF SIDEWALK JOINTS	
TYPE	LOCATION
A	PC & PT OF CURVES JUNCTION OF EXISTING NEW SIDEWALKS
B	5'-0" CENTER TO CENTER ON SIDEWALKS
C	WHERE SIDEWALK ABUTS CONCRETE DRIVEWAYS AND SIMILAR STRUCTURES.

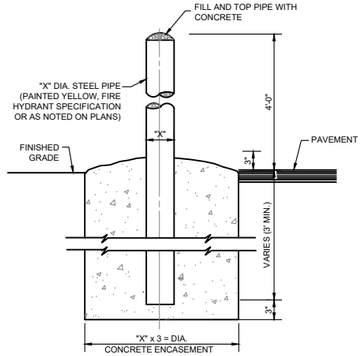
NOTE:
3,000 PSI MIN. CONCRETE (MIN. 4" THICK) FOUNDATION SHALL BE FREE OF SOD AND OTHER ORGANIC MATERIAL. SAW CUT JOINTS SHALL BE ON 5' CENTER.

SIDEWALK JOINTS DETAIL
N.T.S.



NOTES:
1. LIMEROCK MATERIAL (MIN. LBR 100) SHALL BE COMPACTED TO 98% DENSITY, AASHTO T-180.
2. APPROVED SUB-BASE MATERIAL (MIN. LBR 40) SHALL BE COMPACTED IN 6" LAYERS MAXIMUM, TO 98% DENSITY, AASHTO T-180.
3. ASPHALT CONCRETE PAVEMENT JOINT SHALL BE MECHANICALLY SAWED.
4. 'W' IS WIDTH OF DITCH AT ITS WIDEST POINT.

PAVEMENT REPAIR DETAIL
N.T.S.



BOLLARD POST DETAIL
ST-BOLLARD-1.dwg (2005)
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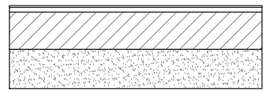


TYPICAL LEE COUNTY R/W PAVEMENT SECTION (WHERE SHOWN ON MASTER SITE PLAN)

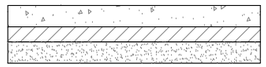
(2 ASPHALT LIFTS) 2-1/2" ASPHALTIC CONC (TYPE SP 12.5) AND 1" (TYPE SP 9.5) WEARING SURFACE FDOT SPEC 334, OVER TACK COAT

PRIME COAT,GRADE RC-70 OR RC-250,SHALL BE APPLIED AT A RATE OF 0.10 GAL. SQ. YD. F.D.O.T. SPEC. 300

8" LIMEROCK BASE COURSE COMPACTED TO A MIN DENSITY OF 98% AASHTO T-180 F.D.O.T. SPEC 200 (LBR 100)

12" STABILIZED SUBGRADE AND SHOULDERS (L.B.R.40) COMPACTED TO A MIN. OF 98% AASHTO T-180 F.D.O.T. SPEC. 100

TYPICAL LEE COUNTY R/W PAVEMENT SECTION
N.T.S.

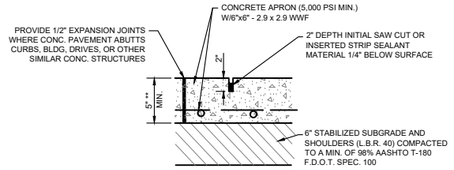


6" THICK PORTLAND CEMENT CONCRETE (3,000 PSI MIN.)

4" LIMEROCK BASE COURSE COMPACTED TO A MIN DENSITY OF 98% AASHTO T-180 F.D.O.T. SPEC 200 (LBR 100)

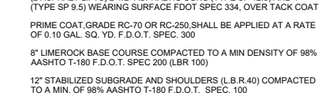
6" STABILIZED SUBGRADE AND SHOULDERS (L.B.R.40) COMPACTED TO A MIN. OF 98% AASHTO T-180 F.D.O.T. SPEC. 100

TYPICAL R/W SIDEWALK SECTION
N.T.S.

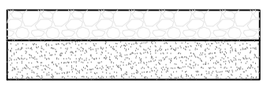


** 8" MIN. AT COMPACTOR & GENERATOR PAD

TYPICAL CONCRETE APRON PAVEMENT
N.T.S.



TYPICAL R/W MILL & OVERLAY DETAIL
N.T.S.

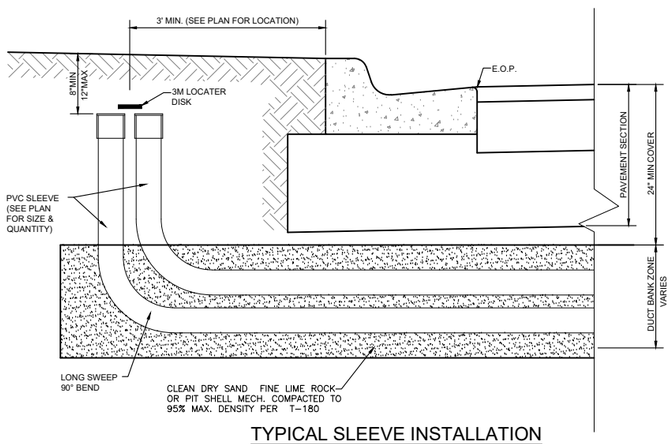


GRAVEL YARD SECTION (ON-SITE WHERE SHOWN)

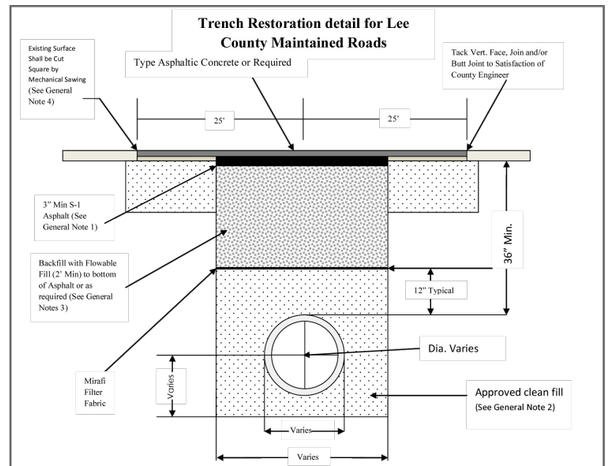
(12") OF 3/4" GRAVEL

12" STABILIZED SUBGRADE AND SHOULDERS (L.B.R.40) COMPACTED TO A MIN. OF 98% AASHTO T-180 F.D.O.T. SPEC. 100

TYPICAL GRAVEL YARD SECTION
N.T.S.



TYPICAL SLEEVE INSTALLATION
DR-SLEEVES-SECTION.dwg (2007)
N.T.S.



Overlay with 1" S-3 asphalt or match existing, 25 feet in each direction with 2' wide X 3/4" deep milled butt joint at each end.

General Notes

1. The limits of Asphalt (overlay) replacement shall be determined by Lee County
2. For gravity pipe lines, may use rock 1' (ft) above pipe.
3. Controlled Low Strength Materials (CLSM)
4. Using a 3/4" Thick X 4' Wide Butt Joint at Each End
5. Compaction must be performed in 6" lifts with densities every 12"

Form G

KEVIN C. CONOR, P.E.
LICENSE# 101582

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LEHIGH ACRES, FLORIDA 33976

TYPICAL PAVING AND STRIPING DETAILS

#25-102/CONST.

7 OF 11

VERTICAL ELEVATIONS BASED ON: NAVD 88

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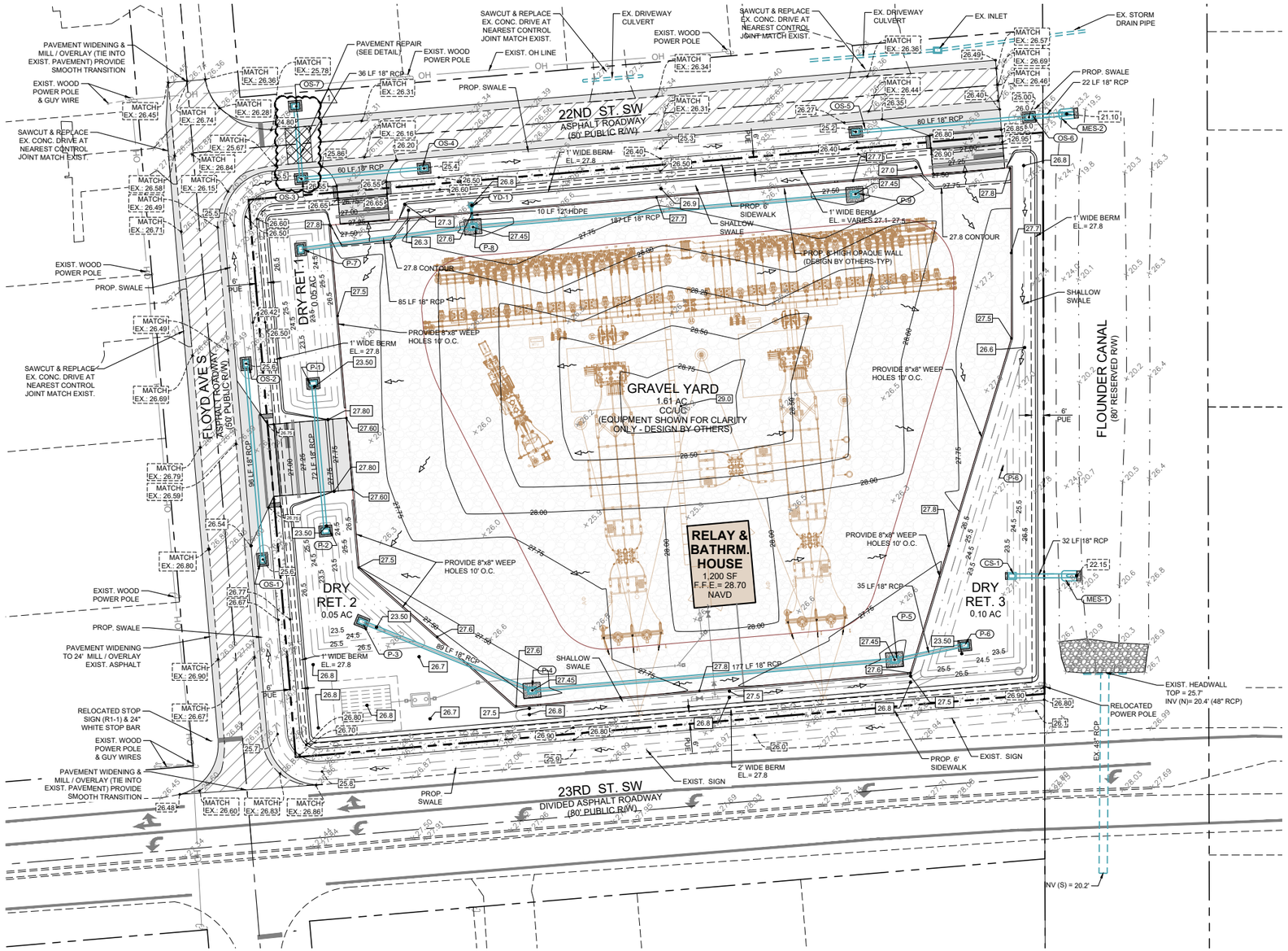

DESIGN CONDITIONS SUMMARY

Water Quality	
Control Elevation (ft)	22.50
Water Quality Volume Required (ac-ft)	0.49
Water Quality Volume Provided (ac-ft)	0.66
Nutrient Removal Required (ac-ft)	0.28
Nutrient Removal Provided (ac-ft)	0.29
10 Year - 1 Day Storm Event	
Rainfall (in)	6.97
Peak Stage / Minimum Pavement Elev. (ft)	27.43
Minimum Provided Pavement Elev. (ft)	27.45
25 Year - 3 Day Storm Event	
Rainfall (in)	10.80
Allowable Discharge*(cfs)	0.20
Design Discharge (cfs)	0.32
Peak Stage / Minimum Perimeter Berm Elev. (ft)	27.80
Minimum Proposed Berm Elev. (ft)	27.80
500 Year - 3 Day Storm Event	
Rainfall (in)	19.00
Peak Stage / Minimum Building Finished Floor Elev. (ft)	28.69
Provided Building Finished Floor Elev. (ft)	28.70

*The maximum allowable discharge rate for the project is 0.086 cfs/acre.
Note: Site located in FEMA Flood zone X.
Note: All Elevations are in NAVD.
Note: Conversion from NAVD to NGVD +1.18'.

LEGEND

- EXIST. STORM DRAIN & INLET
- PROP. STORM DRAIN & INLET
- PROP. YARD DRAIN
- P-25 — STRUCTURE I.D. * (* SEE STRUCTURE TABLE ON THIS SHT)
- +4.50 — EXISTING ELEVATION
- XX.XX — PROPOSED CITY DESIGN ELEVATION **
- XX.XX — PROPOSED ELEVATION (HARD SURFACE)
- XX.X — PROPOSED ELEVATION (GROUND)
- DRAINAGE FLOW ARROW

NOTES:

1. ** ALL DESIGN ELEVATIONS WITHIN COUNTY R/W INCLUDING PAVEMENT, WALKS, DRIVES, SWALE & CULVERTS ARE TO BE COORDINATED WITH LEE COUNTY PUBLIC WORKS DEPT. PRIOR TO CONSTRUCTION.
2. REFER TO THIS SHEET FOR INLET STRUCTURE DATA TABLE
3. DATA AND LOCATION OF EXISTING UTILITY AND STORM DRAIN INFRASTRUCTURE TAKEN FROM LEE COUNTY G.I.S., ANY PROPOSED POINT OF CONNECTION TO EXISTING INFRASTRUCTURE SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION.

ALL UTILITY CONNECTION TO BUILDING BY LICENSED PLUMBER. ALL FIRE SERVICE MAINS CONNECTION BY LICENSED FIRE SPRINKLER CONTRACTOR.

DRAINAGE STRUCTURES

P-1
TYPE "C" INLET
W/ SWALE GRATE
GRATE = 23.50
INV S = 19.75 (18" RCP)
SUMP= 17.75

P-2
TYPE "C" INLET
W/ SWALE GRATE
GRATE = 23.50
INV N = 19.65 (18" RCP)
SUMP= 17.65

P-3
TYPE "C" INLET
W/ SWALE GRATE
GRATE = 23.50
INV SE = 19.65 (18" RCP)
SUMP= 14.65

P-4
TYPE "C" INLET
W/ SWALE GRATE = 26.500
GRATE = 27.45
INV NW = 19.85 (18" RCP)
INV E = 19.85 (18" RCP)
SUMP= 17.85

P-5
TYPE "C" INLET
W/ SWALE GRATE
GRATE = 27.45
INV E = 19.65 (18" RCP)
INV W = 22.20 (18" RCP)
SUMP= 17.65

P-6
TYPE "C" INLET
W/ SWALE GRATE
GRATE = 23.50
INV W = 19.75 (18" RCP)
SUMP= 17.75

P-7
TYPE "C" INLET
W/ SWALE GRATE
GRATE = 23.50
INV E = 19.60 (18" RCP)
SUMP= 17.60

P-8
TYPE "C" INLET
W/ SWALE GRATE
GRATE = 27.45
INV N = 19.80 (12" HDPE)
INV E = 19.80 (18"RCP)
INV W = 19.80 (18"RCP)
SUMP= 17.80

P-9
TYPE "C" INLET
W/ SWALE GRATE
GRATE = 27.45
INV W = 22.20 (18" RCP)
SUMP= 18.20

OFF-SITE DRAINAGE STRUCTURES

OS-1
TYPE "C" INLET
W/ SWALE GRATE
GRATE = 25.70
INV N = 22.00 (18" RCP)
SUMP= 20.00

OS-2
TYPE "C" INLET
W/ SWALE GRATE
GRATE = 25.60
INV S = 21.90(18" RCP)
SUMP= 20.90

OS-3
TYPE "C" INLET
W/ SWALE GRATE
GRATE = 25.50
INV N= 20.80 (18" RCP)
INV E= 21.80 (18" RCP)
SUMP= 18.80

OS-4
TYPE "C" INLET
W/ SWALE GRATE
GRATE = 25.40
INV W = 21.70 (18" RCP)
SUMP= 19.70

OS-5
TYPE "C" INLET
W/ SWALE GRATE
GRATE = 25.10
INV E = 21.30 (18" RCP)
SUMP= 29.30

OS-6
TYPE "C" INLET
W/ SWALE GRATE
GRATE = 25.00
INV W = 21.20 (18" RCP)
INV E = 21.20 (18" RCP)
SUMP= 19.20

OS-7
TYPE "C" INLET
W/ SWALE GRATE
GRATE = 24.80
INV S = 20.90 (18" RCP)
SUMP= 18.90

MITERED END SECTION

MES-1
INV = 22.15 (18" RCP)

MES-2
INV = 21.10 (18" RCP)

YARD DRAIN

YD-1
12" YARD DRAIN
GRATE = 26.80
INV E = 19.90 (12" HDPE)
SUMP = 17.90

CONTROL STRUCTURE

CS-1
CONTROL STRUCTURE
CONST. MODIFIED INLET TYPE 'C'
W/ SWALE GRATE (SEE DETAIL)
GRATE EL.=27.80
3" CIR. ORIFICE (BLDR.) INV.=25.85
INV E = 22.25 (18" RCP)
SUMP=20.25

VERTICAL ELEVATIONS BASED ON: NAVD 88

KEVIN C. CONOR
LICENSE
No. 101582
STATE OF FLORIDA
PROFESSIONAL ENGINEER
KEVIN C. CONOR, P.E.
LICENSE# 101582

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004,FAC

FULL SCALE = 30
HALF SCALE = 60

DATE	BY	REVISION DESCRIPTION
1/07/25	KC	INITIAL COUNTY SUBMITTAL
4/27/26	KC	1 FIRST COUNTY RESUBMITTAL

AVALON ENGINEERING, INC.
2603 DEL PRADO BLVD. S #200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

LCEC GUNNERY RD. SUBSTATION
4307 22ND STREET SW
LEHIGH ACRES, FLORIDA 33976

PAVING, GRADING AND DRAINAGE

#25-102/CONST.

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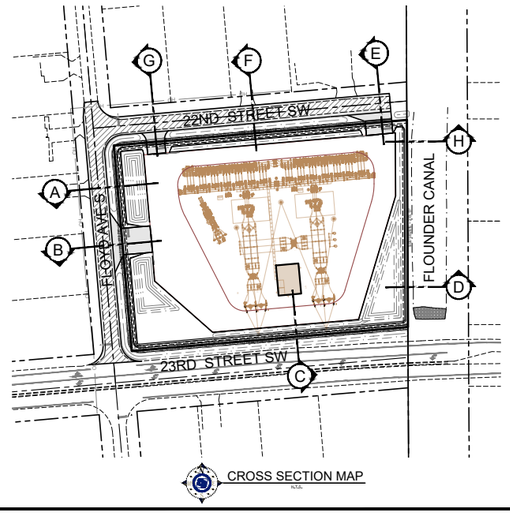
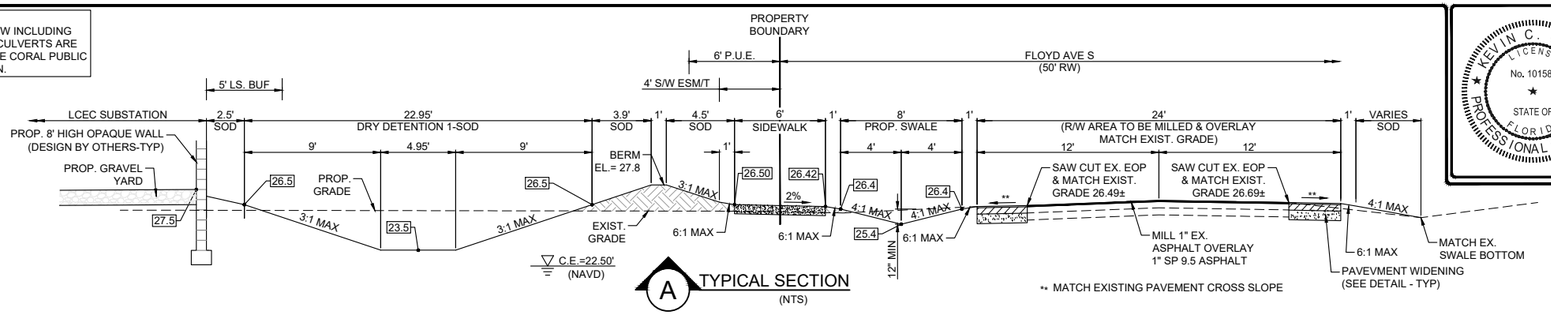
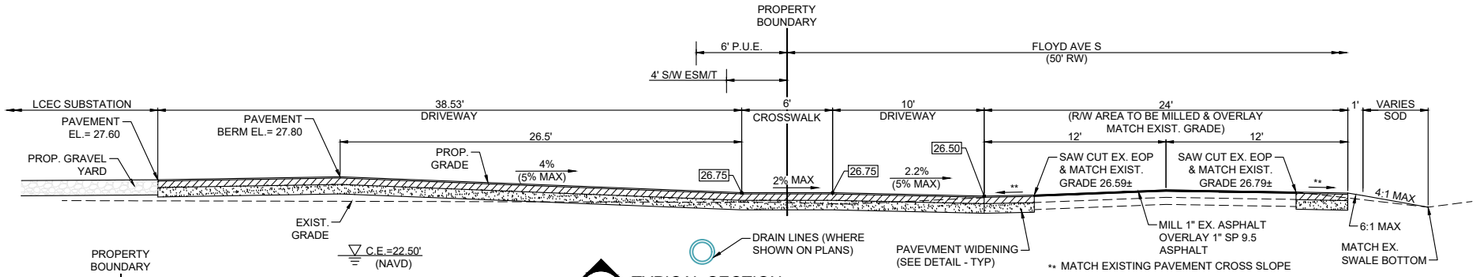


CROSS SECTION MAP

*NOTE:
ALL DESIGN ELEVATIONS WITHIN CITY R/W INCLUDING PAVEMENT, WALKS, DRIVES, SWALES & CULVERTS ARE TO BE COORDINATED WITH CITY OF CAPE CORAL PUBLIC WORKS DEPT. PRIOR TO CONSTRUCTION.



A TYPICAL SECTION (NTS)



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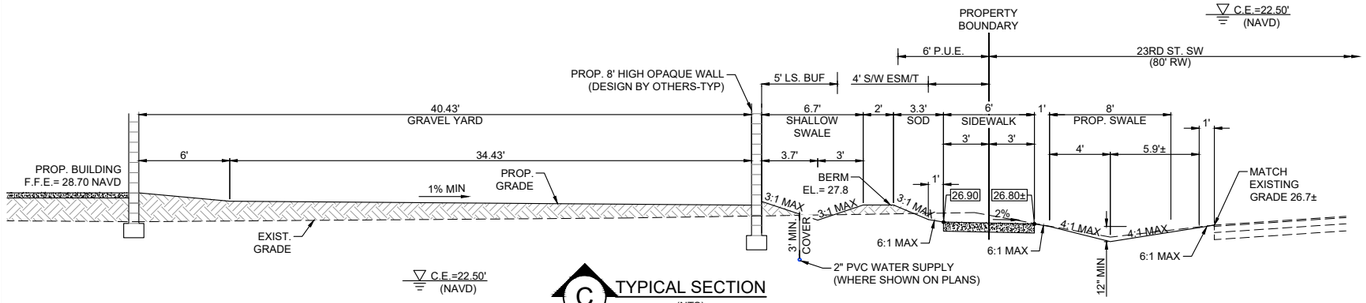
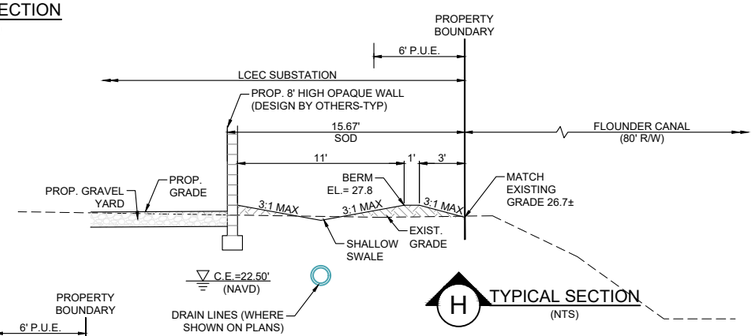


C TYPICAL SECTION (NTS)



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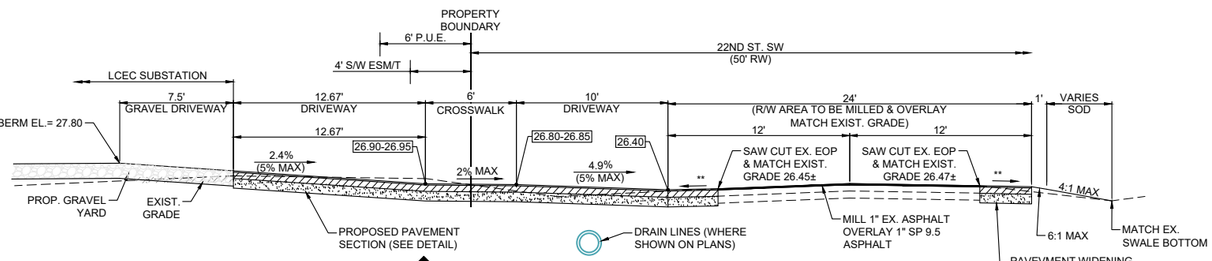

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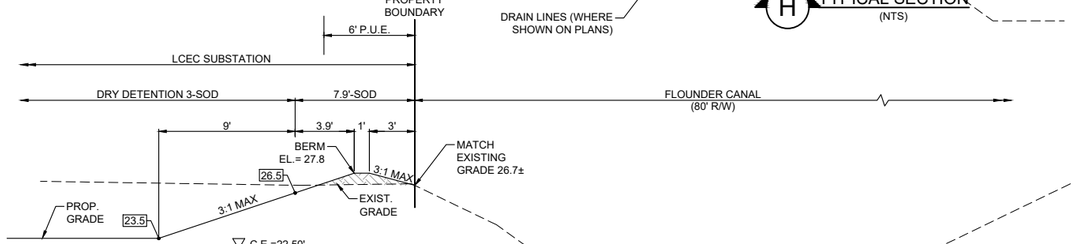
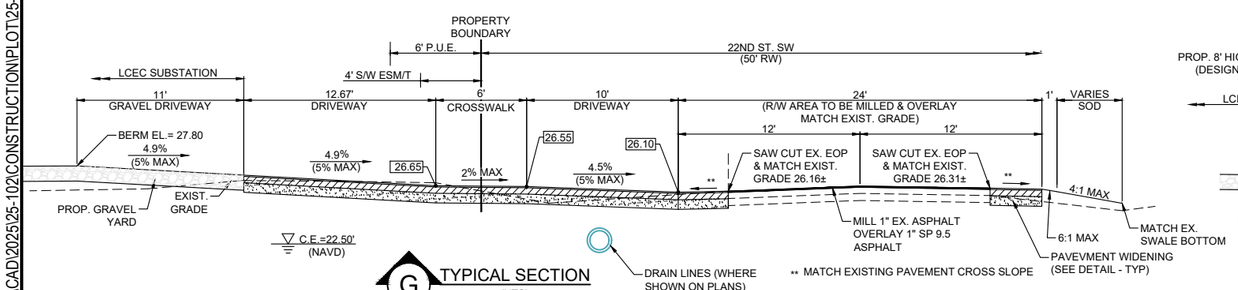
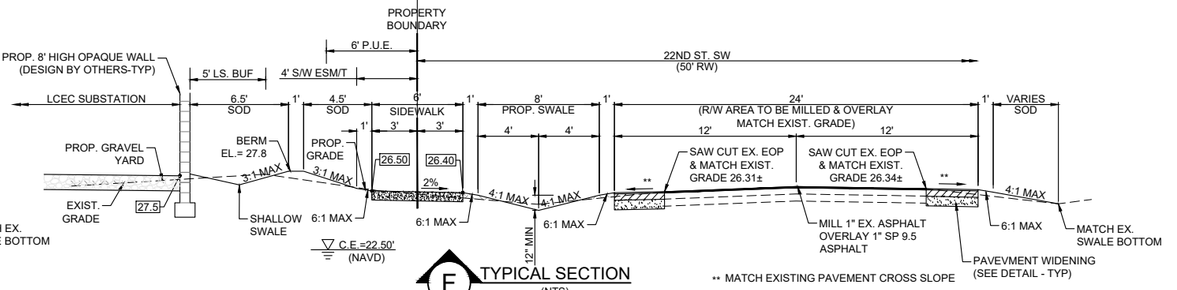


D TYPICAL SECTION (NTS)



G TYPICAL SECTION (NTS)



F TYPICAL SECTION (NTS)

VERTICAL ELEVATIONS BASED ON: NAVD 88

KEVIN C. CONOR
LICENSE
No. 101582
STATE OF FLORIDA
PROFESSIONAL ENGINEER
KEVIN C. CONOR, P.E.
LICENSE# 101582

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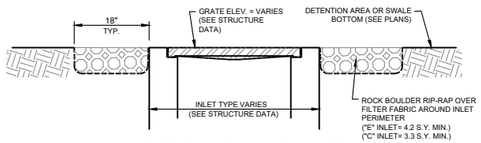
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD. S #200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

LCEC GUNNERY RD. SUBSTATION
4307 22ND STREET SW
LEHIGH ACRES, FLORIDA 33976

TYPICAL SECTIONS

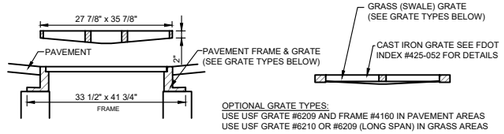
#25-102/CONST.

P:\CAD\2025\25-102\CONSTRUCTION\PLOT\25-102-9-10 - CROSS-SECT.dwg, 9 TYPICAL SECTIONS (A), 4/27/2026 2:55:20 PM, 2025 Avalon Engineering Inc., 2025 Avalon Engineering Inc.



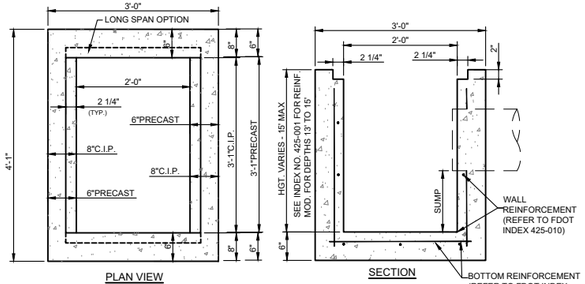
TYPICAL SWALE INLET W/RIP-RAP DETAIL (BUBBLE-UP)

N.T.S.



OPTIONAL GRATE TYPES:
USE USF GRATE #6209 AND FRAME #4160 IN PAVEMENT AREAS
USE USF GRATE #6210 OR #6209 (LONG SPAN) IN GRASS AREAS

FRAME & GRATE DETAIL



RECOMMENDED MAXIMUM PIPE SIZES:
2'-0" WALL-18" PIPE
3'-1" WALL-24" PIPE

INLET NOTES:
1. REFER TO FDOT STANDARD INDEX NO. 425-010, 425-001, AND 425-052 FOR ADDITIONAL AND SUPPLEMENTARY DETAILS.
2. STRUCTURES MAY BE CAST IN PLACE OR PRE CAST WITH CLASS 1 (MIN 3000 PSI) CONCRETE PER FDOT SECTION 425. CONCRETE AS SPECIFIED BY ASTM C-478 (MIN 4000 PSI) MAY BE USED IN PRE CAST ITEMS MANUFACTURED IN PLANTS AS SPECIFIED IN FDOT STANDARD INDEX NO. 425-001.
3. R.C.P. SHALL BE REINFORCED CONCRETE PIPE CONFORMING TO F.D.O.T. SEC. 941.
4. PLACE SOD 4' ON ALL SIDES OF INLET IN GREEN AREAS UNLESS OTHERWISE NOTED.
5. ALL INLET GRATES SHALL BE COVERED WITH FILTER FABRIC DURING CONSTRUCTION.
*AT INLETS INDICATED WITH SUMP, SEE PLANS.

TYPE 'C' INLET

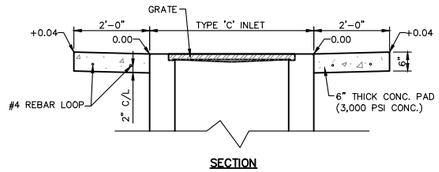
N.T.S.

TRENCHING NOTES:

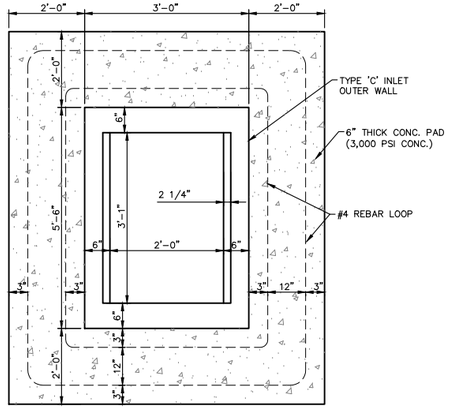
1. SLOPE OR BRACE TRENCH WALLS AS REQ'D WHERE SAFE SLOPES WOULD INTERFERE WITH EXISTING UTILITIES OR IMPROVEMENTS OR EXTEND BEYOND THE EASEMENT OR R/W LINE.
2. MINIMUM CLEARANCE MAY BE REDUCED UPON REVIEW OF ALTERNATE TRENCHING METHODS.

STORM DRAIN TRENCH

N.T.S.



SECTION



PLAN VIEW

TYPE 'C' INLET IN GRAVEL SURFACE

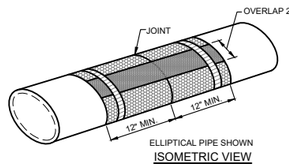
N.T.S.

1. JOINT DOWELS ARE TO BE #4 BARS, 12" LONG WITH A MINIMUM OF 2 BARS PER SIDE AT APPROX. QUARTER POINTS FOR RECTANGULAR STRUCTURES.

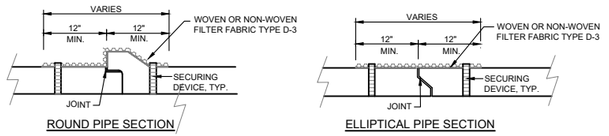
2. MINIMUM COVER ON REINFORCING BARS IS 1-1/2".

DOWEL DETAIL

N.T.S.



ISOMETRIC VIEW

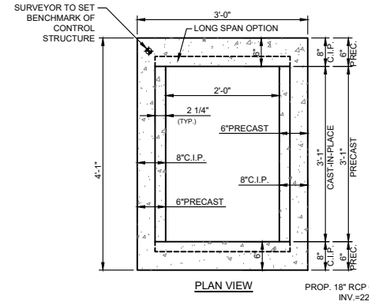


CONCRETE PIPE SHOWN - COST OF FILTER FABTIC JACKET TO BE INCLUDED IN COST OF PIPE CULVERTS. (SEE F.D.O.T. INDEX 430-001)

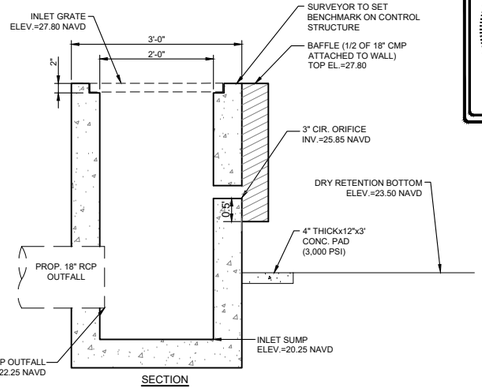
FILTER FABRIC JACKET

N.T.S.

CS-1
CONTROL STRUCTURE
CONST. MODIFIED INLET TYPE 'C'
W/ SWALE GRATE (SEE DETAIL)
GRATE EL.= 27.80
3" CIR. ORIFICE (BLDR.) INV.= 25.85
INV. (E)= 22.25 (18" RCP)
SUMP= 20.25



PLAN VIEW



SECTION

PROPOSED CONTROL STRUCTURE CS-1 (MOD. TYPE 'C' INLET)

N.T.S.

DIMENSIONS AND QUANTITIES

	D	X	A	B	C	E	F	G	H ■	M Single Pipe	M Double Pipe	M Triple Pipe	M Quad. Pipe	N	5½" CONCRETE SLAB (CY) ◪ Single Pipe	5½" CONCRETE SLAB (CY) ◪ Double Pipe	5½" CONCRETE SLAB (CY) ◪ Triple Pipe	5½" CONCRETE SLAB (CY) ◪ Quad. Pipe	SODDING (SY) Single Pipe	SODDING (SY) Double Pipe	SODDING (SY) Triple Pipe	SODDING (SY) Quad. Pipe
1:2 Slope	15"	2'-7"	1.92'	2.18'	4.10'	2.06'	5'	1.22'	2.9'	4.63'	7.21'	9.79'	12.37'	1.19'	0.38	0.58	0.77	0.96	21	24	27	30
	18"	2'-10"	1.83'	2.74'	4.71'	2.56'	6'	1.41'	3.4'	4.92'	7.75'	10.58'	13.42'	1.21'	0.44	0.65	0.87	1.09	22	25	28	31
	24"	3'-5"	2.86'	3.85'	5.91'	3.56'	7'	1.73'	3.4'	5.50'	8.93'	12.33'	15.73'	1.25'	0.54	0.83	1.12	1.42	24	28	32	35
	30"	4'-3"	2.15'	4.95'	7.10'	4.56'	8'	2.00'	3.4'	6.08'	10.33'	14.58'	18.83'	1.29'	0.66	1.09	1.50	1.91	26	31	35	40
	36"	5'-1"	2.25'	6.08'	8.33'	5.56'	9'	2.24'	3.4'	6.67'	11.75'	16.83'	21.92'	1.33'	0.81	1.38	1.95	2.51	28	34	39	45
	42"	6'-0"	2.34'	7.21'	9.55'	6.56'	10'	2.45'	3.4'	7.25'	13.25'	19.25'	25.25'	1.38'	0.97	1.70	2.45	3.19	30	37	43	50
	48"	6'-9"	2.43'	8.33'	10.76'	7.56'	11'	2.65'	3.4'	7.83'	14.58'	21.33'	28.08'	1.42'	1.13	2.04	2.93	3.84	32	39	47	54
	54"	7'-8"	2.52'	9.44'	11.96'	8.56'	12'	2.83'	3.4'	8.42'	16.08'	23.73'	31.42'	1.46'	1.31	2.44	3.58	4.72	34	42	51	59
	60"	8'-6"	2.62'	10.56'	13.18'	9.56'	14'	3.00'	4.4	9.00'	17.50'	26.00'	34.50'	1.50'	1.51	2.89	4.28	5.68	36	45	55	64
	66"	9'-3"	2.71'	11.68'	14.39'	10.56'	15'	3.18'	4.4	9.58'	18.75'	27.92'	37.08'	1.54'	1.68	3.25	4.84	6.43	38	48	58	68
	72"	10'-0"	2.80'	12.80'	15.60'	11.56'	16'	3.30'	4.4	10.16'	20.16'	30.16'	40.16'	1.58'	1.89	3.74	5.59	7.45	40	51	62	73
1:4 Slope	15"	2'-7"	2.37'	4.09'	6.36'	4.03'	8'	1.22'	4.0	4.63'	7.21'	9.79'	12.37'	1.19'	0.57	0.87	1.15	1.44	23	26	29	32
	18"	2'-10"	2.36'	5.12'	7.48'	5.03'	9'	1.41'	4.0	4.92'	7.75'	10.58'	13.42'	1.21'	0.66	0.99	1.31	1.65	25	28	31	35
	24"	3'-5"	2.53'	7.18' △	9.71'	7.03' △	11'	1.73'	4.0	5.50'	8.92'	12.33'	15.75'	1.25'	0.85	1.30	1.75	2.20	28	32	36	40
	30"	4'-3"	2.70'	9.25'	11.95'	9.03'	13'	2.00'	4.0	6.08'	10.33'	14.58'	18.83'	1.29'	1.10	1.74	2.39	3.05	31	36	41	46
	36"	5'-1"	2.87'	11.33' ◇	14.18'	11.03' ◇	15'	2.24'	4.0	6.67'	11.75'	16.83'	21.92'	1.33'	1.32	2.21	3.08	3.96	34	40	46	52
	42"	6'-0"	3.05'	13.37'	16.42'	13.03'	17'	2.45'	4.0	7.25'	13.25'	19.25'	25.25'	1.38'	1.58	2.76	3.91	5.09	38	44	51	58
	48"	6'-9"	3.22'	15.43'	18.65'	15.03'	19'	2.65'	4.0	7.83'	14.58'	21.33'	28.08'	1.42'	1.85	3.30	4.73	6.17'	41	48	56	63
	54"	7'-8"	3.39'	17.49'	20.88'	17.03'	21'	2.83'	4.0	8.42'	16.08'	23.73'	31.42'	1.46'	2.14	3.95	5.77	7.58	44	52	61	69
	60"	8'-6"	3.56'	19.55'	23.11'	19.03'	23'	3.00'	4.0	9.00'	17.50'	26.00'	34.50'	1.50'	2.45	4.66	6.87	9.07'	47	56	66	75
	66"	9'-3"	3.73'	21.62'	25.39'	21.03'	25'	3.18'	4.0	9.58'	18.75'	27.92'	37.08'	1.54'	2.88	5.54	8.18	10.84	49	59	69	80
	72"	10'-0"	3.91'	23.68'	27.59'	23.03'	27'	3.30'	4.0	10.16'	20.16'	30.16'	40.16'	1.58'	3.54	6.61	9.87	13.13	52	63	74	85

◪ See General Note No. 5. See Sheet 5 For 3" Slab Quantities

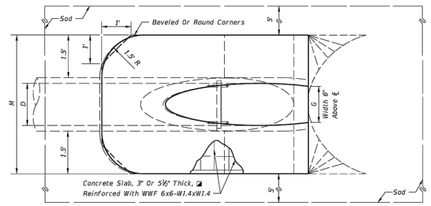
■ Values shown for estimating pipe quantities and are for information only.

B	E
△ 6.42'	△ 6.29'
◇ 10.40'	◇ 10.10'

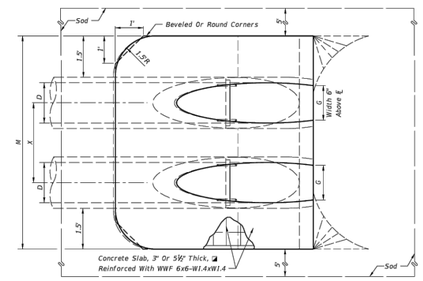
Dimensions permitted to allow use of 8' standard pipe lengths.

Dimensions permitted to allow use of 12' standard pipe lengths.

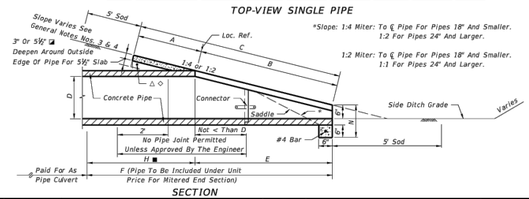
△ ◇ Concrete slab shall be deepened to form bridge across crown of pipe. See section below.



TOP-VIEW SINGLE PIPE



TOP-VIEW MULTIPLE PIPE



*Slope: 1:4 Miter: To ℄ Pipe For Pipes 18" And Smaller. 1:2 For Pipes 24" And Larger.

1:2 Miter: To ℄ Pipe For Pipes 18" And Smaller. 1:1 For Pipes 24" And Larger.

F (Pipe To Be Included Under Unit

SECTION

NOTE: See sheet 6 for details and notes.

SINGLE AND MULTIPLE ROUND CONCRETE PIPE

LAST REVISION	DESCRIPTION:			
02		FDOT DESIGN STANDARDS 2013	CROSS DRAIN MITERED END SECTION	INDEX NO. 272 / SHEET NO. 1

VERTICAL ELEVATIONS BASED ON: NAVD 88

KEVIN C. CONOR LICENSE No. 101582 STATE OF FLORIDA PROFESSIONAL ENGINEER

KEVIN C. CONOR, P.E.
LICENSE# 101582

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1/07/25	KC	INITIAL COUNTY SUBMITTAL
4/27/26	KC	△1 FIRST COUNTY RESUBMITTAL

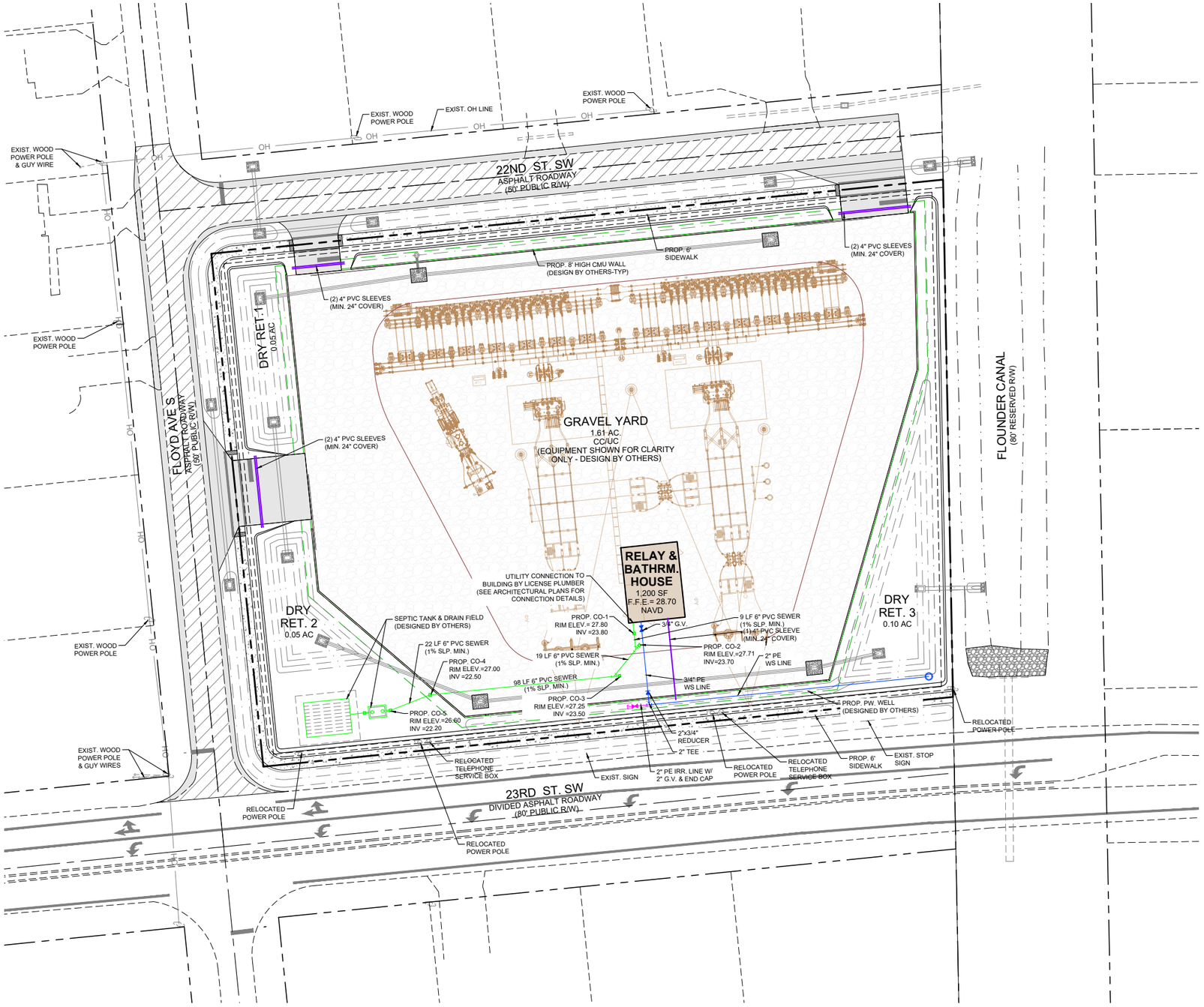
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD. S #200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

LCEC GUNNERY RD. SUBSTATION
4307 22ND STREET SW
LEHIGH ACRES, FLORIDA 33976

TYPICAL DRAINAGE AND CONTROL STRUCTURE DTLS

#25-102/CONST.

P:\CAD\2025\25-102\CONSTRUCTION\PLOT\25-102-12-13 - INLT DTLS & STRCT TBLE.dwg, 10 TYPICAL INLETS &, 4/27/2026 2:56:03 PM, 2025 Avalon Engineering Inc., 2025 Avalon Engineering Inc.



LEGEND

- PROP. WATER MAIN & G.V.
- FIRE HYDRANT ASSEMBLY
- PROP. SANITARY SEWER MAIN (SDR 26 PVC) & MANHOLE
- SANITARY SEWER LATERAL W/ CLEANOUT
- (2) 4" PVC SLEEVES AT 24" MIN. COVER
- PROP. IRRIGATION

UTILITY NOTES:

1. GENERAL UTILITY NOTES, REFER TO SHEET #2
2. ALL INTERNAL SEWER, WATER AND IRRIGATION MAINS AND LATERALS ARE "PRIVATELY OWNED AND MAINTAINED" AND TO BE SUPPLIED & INSTALLED BY SITE CONTRACTOR.
3. THE DESIGN OF THE FIRE PROTECTION SYSTEM FROM THE POINT OF SERVICE (POS FIRE) TO THE BUILDINGS IS THE RESPONSIBILITY OF THE FIRE PROTECTION ENGINEER AND IS NOT INCLUDED IN THESE PLANS. A LICENSED FIRE PROTECTION CONTRACTOR SHALL COORDINATE AND OBTAIN A SEPARATE PERMIT PER NFPA AND THE LOCAL FIRE DEPARTMENT REQUIREMENTS FOR THE INSTALLATION OF ALL FIRE MAINS, FIRE APPARATUS, OTHER FIRE RELATED APPURTENANCES AND CONNECTIONS TO THE BUILDINGS IN ACCORDANCE TO THE FIRE PROTECTION SYSTEM DESIGN (BY OTHERS).
4. BOTH FIRE HYDRANT AND FIRE SERVICE MAINS SHALL BE D.I. DUCTILE IRON PIPE W/ FIRE SERVICE MAINS (4" TO 12") TO BE CL 350 OR APPROVED EQUAL.
5. ALL UTILITY CONNECTIONS TO BUILDING BY LICENSED PLUMBER (FIRE SERVICE DESIGN & INSTALLATION BY OTHERS, SEE FIRE PROTECTION PLAN)
6. DATA AND LOCATION OF EXISTING UTILITY AND STORM DRAIN INFRASTRUCTURE TAKEN FROM LEE COUNTY G.I.S. AND SURVEY DATED 9/08/2025 ANY PROPOSED POINT OF CONNECTION TO EXISTING INFRASTRUCTURE SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
7. LOCATION OF (2) 4" PVC SLEEVES (24" MIN. COVER)
8. FOR IRRIGATION AND/OR LIGHTING MAY BE FIELD ADJUSTED PER OWNER OR OWNER REPRESENTATIVE
9. FIRE SERVICE DESIGN & INSTALLATION BY OTHERS (SEE FIRE PROTECTION PLANS)
10. CONTRACTOR TO ENSURE ALL EXISTING AND PROPOSED FIRE HYDRANT ASSEMBLIES ARE TO HAVE A 360° 3' CLEARANCE AREA.

ALL UTILITY CONNECTION TO BUILDING BY LICENSED PLUMBER. ALL FIRE SERVICE MAINS CONNECTION BY LICENSED FIRE SPRINKLER CONTRACTOR.

VERTICAL ELEVATIONS BASED ON: NAVD 88

KEVIN C. CONOR LICENSE No. 101582 STATE OF FLORIDA PROFESSIONAL ENGINEER

KEVIN C. CONOR, P.E.
LICENSE# 101582

N

0 15 30
FULL SCALE = 30
HALF SCALE = 60

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004,FAC

DATE	BY	REVISION DESCRIPTION
1/07/25	KC	INITIAL COUNTY SUBMITTAL
4/27/26	KC	1ST FIRST COUNTY RESUBMITTAL

AVALON ENGINEERING, INC.
2603 DEL PRADO BLVD. S #200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

LCEC GUNNERY RD. SUBSTATION
4307 22ND STREET SW
LEHIGH ACRES, FLORIDA 33976

UTILITY PLAN

#25-102/CONST.

11 OF 11

P:\CAD\2025\25-102\CONSTRUCTION\PLOT\25-102-11 - UTL-PLN.dwg, 11 UTILITY PLAN, 4/27/2026 2:56:30 PM, 2025 Avalon Engineering Inc., 2025 Avalon Engineering Inc.

Stormwater Report

FOR

LCEC Gunnery Road Substation

REV 01

Avalon Project No. 25-102

Prepared by:

Avalon Engineering
Established in 1980

2503 Del Prado Boulevard, Suite 200
Cape Coral, FL 33904
Phone: (239) 573-2077
Fax: (239) 573-2076

Prepared for:

Lee County Cooperative
Lee County Electric Cooperative
P.O. Box 3455
North Fort Myers, Florida 33917

Engineer of Record:

KEVIN C. CONOR LICENSE No 101582 STATE OF FLORIDA PROFESSIONAL ENGINEER

Digitally signed by
Kevin C Conor
Date: 2026.05.18
13:54:21-04'00'

Kevin Conor, P.E.
FL. License #101582
FBPE #3128

Project Summary

Project Name: LCEC Gunnery Road Substation
Permittee/Operating Entity: Lee County Electric Cooperative
Location: Lehigh Acres, Lee County, FL
Project Area Breakdown:

Project Area Breakdown	
Total Impervious Area	**1.69 AC.**
Building Area	0.03 AC.
Pavement/ Concrete/ Gravel Area	1.66 AC.
Total Open Space Area	**0.67 AC.**
Green Space Area	0.47 AC.
Dry Retention Area	0.20 AC.
Total Project Site Area	**2.36 AC.**

Zoning/Land Use: CC (Community Commercial) / UC (Urban Community)

Description: The proposed project site comprises an LCEC substation and relay/ bathroom building on a single 2.36-acre +/- parcel (Strap # 04-45-46-L2-02013.0010) with associated utility and stormwater infrastructure to support. The site is located at 4307 22nd Street SW in Lehigh Acres, Florida. The proposed storm water management system is designed to collect and treat runoff within onsite retention areas prior to discharging into the off-site Flounder Canal. The parcel is currently vacant and mainly cleared of vegetation except for a single palm tree on the southeast corner of the parcel, and several medium sized bushes along the northern and eastern property boundaries. There are no permits associated with this property and the site is located in a FEMA 'X' Flood Zone.

Water Quality:

Runoff Treatment Method	Volume Required	Volume Provided
Nutrient Removal Volume	0.275 ac-ft	0.277 ac-ft @ EL 25.85' NAVD
Wate Quality Volume	0.49 ac-ft	0.66 ac-ft @ El 27.80' NAVD

Discharge Points:

Control Elevation (ft NAVD)	Structure Label	Discharge Point Description	Discharge Dimensions	Invert Elevation (ft NAVD)
22.50'	CS-1	Circular Orifice	3" dia.	25.85'

Design Elevations:

Stormwater Design Parameter	Storm Event and Frequency (Year - Day)	Rainfall Intensity (in)	Peak Stage (ft NAVD)	Provided Min. Design Elev. (ft NAVD)	Peak Discharge Rate (cfs)	Allowable Discharge Rate (cfs)
Finished Floor	500Year - 3Day	19.00"	28.68'	28.70'	N/A	N/A
Weir / Berm	25Year - 3Day	10.80"	27.80'	27.80'	0.32 cfs	0.20 cfs
Road Pavement	10Year - 1Day	6.97"	27.43'	27.45'	N/A	N/A

Table of Contents

- Stormwater Management System Summary
- Water Quality Calculations
- Stage Storage Calculations
- Soil Storage, CN and Time of Concentration Calculations
- Nutrient Loading Calculations
- FEMA Flood Zone Map
- Lee County Wet Season High Water Table Map
- NOAA Rainfall Amounts
- FDEP Land Use Map
- NRCS Soils Map
- Lehigh Acres Municipal Services Improvement District (LAMSID) High Water Map
- LAMSID Canal Map
- Stormwise Flood Routings Inputs and Results:
    - 10 Year - 1 Day
    - 25 Year - 3 day
    - 500 Year - 3 day
    - Time Series (25 Year - 3 Day) Recovery

Stormwater Management System Summary

Existing Site Conditions/Previous Permitting:

The proposed 2.36-acre +/- project site consists of one parcel (Strap#: 04-45-46-L2-02013.0010) that is owned by Lee County Electric Cooperative. The site is located at 4307 22nd Street SW Lehigh Acres, Florida and is zoned Community Commercial (CC) with a future land use designated as Urban Community (UC). The nearest major intersection is Gunnery Road South and 23rd Street Southwest located 230' west of the property. The parcel is currently vacant, cleared except for one tree and a few bushes, and hydraulicly flat with a minor high point in the center of the site to sheet flow runoff towards the adjacent streets. The site is bordered by 22nd Street SW to the north, Flounder Canal to the east, Floyd Avenue S to the west, and 23rd Street SW to the south. Since the project proposes less than 2 acres of impervious area and is less than 10 acres in total, a SFWMD ERP is not required. The proposed project is located in FEMA 'X' Flood Zone.

PROJECT AREA BREAKDOWN

Land Use	Project Total	% of Total
Total Impervious Area	**1.69 ac**	**71.6%**
Building Area	*0.03 ac*	*1.3%*
Pavement/ Concrete/ Gravel Area	*1.66 ac*	*70.3%*
Total Open Space Area	**0.67 ac**	***28.4%***
Green Space Area	*0.47 ac*	*19.8%*
Dry Detention Area	*0.20 ac*	*8.6%*
Total Project Site Area	**2.36 ac**	***100%***

Control Elevation Considerations:

The subject project's control elevation has been determined to be **22.50' NAVD.** This elevation correlates to the project areas **22.50' NAVD** wet season high water table elevation established by the Lee County Wet Season High Water Table Map. The engineering decision was made to inherit the control elevation of the neighboring wet season high water table to preserve the ground water table of the immediate area as well as the functionality of the adjacent stormwater systems.

Tailwater Considerations:

The project's stormwater discharge flows off-site through the site's proposed control structure, CS-1, and is piped eastward into the Flounder Canal. In order to conservatively design the stormwater system, the tailwater elevation has been modeled to begin at the control elevation of **22.50' NAVD,** rise to 24.5' NAVD at hour 24, lower to 23.5' NAVD at hour 180, and return to the control elevation of 22.50' NAVD for the remaining duration of the flood routing simulation. The tailwater elevations were derived from the Lehigh Acres Municipal Services Improvement District (included in this report) peak stage elevations for the downstream weir structure. Refer to Stormwise simulation inputs/results included in this report for more detail.

Surface Water Management System Design:

The **2.36-acre** subject site has been modeled as one basin labeled as Basin A. This project proposes one (1) 1,200 SF relay and bathroom building with a gravel parking lot covering most of the site. The development will utilize an on-site surface dry retention system to provide the required stormwater attenuation and water quality treatment volume. From the retention system, the project's stormwater discharge flows off-site through the site's proposed control structure CS-1 on the southeast corner of the lot and is piped eastward into Flounder Canal that runs along the east side of the property. The proposed control structure utilizes a **3"** diameter circular orifice set at the elevation of **25.85'** NAVD to provide the required retention volume. Refer to the attached plans for more detail.

Water Quality Treatment:

The total water quality treatment volume required for the site, including an additional 50% treatment and minus a 25% dry retention reduction, is **0.49 acre-feet** for the project site. This total water quality volume takes into account **0.27-acres** of off-site impervious area proposed outside of the stormwater system. Since the runoff over this additional impervious area cannot be captured by the project's stormwater system, compensating treatment volume will be provided on-site. The dry retention system and the control structure CS-1 impound **0.66 acre-feet** of water quality treatment volume at elevation **27.80' NAVD,** meeting the treatment volume requirement. Refer to Stormwise simulation results and Water Quality Calculations included in this report for more detail.

Nutrient Removal is provided by retention. The project requires **0.275 ac-ft** of retention volume to provide the required removal rate of 80% Nitrogen and 80% Phosphorus. The project provides **0.277 ac-ft** at elevation **25.85 (NAVD)**. See Nutrient Loading (BMP Trains) section for more detail.

Stormwater Discharge:

The maximum allowable discharge rate based on SFWMD criteria of **55 CSM or 0.086 cfs/acre** per the Orange River Drainage basin criteria which is **0.20 cfs**. The maximum simulated discharge rate observed during the 25 Year-3 Day storm event was **0.32 cfs.** The maximum simulated discharge rate is greater than that of the maximum allowable discharge rate. This is unavoidable since that smallest discharge point allowable is a 3 in. orifice and that is what is proposed.

Minimum Perimeter Berm & Weir Wall Elevation:

The maximum flood stage achieved during the 25 Year-3 Day design storm event is **27.80' NAVD**. Therefore, the weir wall elevation proposed inside of CS-1 will be designed to match this maximum stage. The site proposes a minimum perimeter berm, pavement berm and curb berm elevation of **27.80' NAVD**, meeting the minimum requirement. Refer to Stormwise simulation results and Compensating Storage Calculations for more detail.

Minimum Road Crown Elevation:

The maximum flood stage achieved during the 10 Year-1 Day design storm event is **27.43' NAVD**. The proposed site design will provide a minimum road elevation of **27.45' NAVD**, meeting this requirement. Refer to Stormwise simulation results for more detail.

Minimum Finished Floor Elevation:

Per FEMA and SFWMD, the finished floor of all proposed habitable structures must be set at either 1 foot above the FEMA flood zone elevation or equal to or greater than the maximum stage of the 500 Year-3 Day, zero discharge storm event. Since the site currently exists within a FEMA 'X' flood zone, the minimum FEMA flood elevation is not applicable. The maximum stage during the 500 Year-3 Day, zero discharge storm event was determined to be **28.69' NAVD**. To satisfy the requirement, the project proposes a minimum finished floor elevation of **28.70' NAVD** for the site's proposed single commercial building. Refer to Stormwise simulation results for more detail.

Time of Concentration:

This design utilizes the NRCS Urban Hydrology for Small Watersheds (TR-55) to determine the time of concentration. The time of concentration for Basin 1 was calculated to be **9.10 minutes**. The minimum time of concentration used is **10 minutes**. This calculation is detailed in the water management calculations and is used in the Stormwise model.

Soil Storage:

The soil storage for the site has been estimated using the compacted water storage capability estimate in the Soil Conservation Service for the sandy material in South Florida Water Management District Environmental Resource Permit Applicant's Handbook Volume II Section 5.7.4.2. Using a calculated average green space site grade of **27.15' NAVD** along with a calculated soil storage of **1.62 inches** equates to a curve number of **86 CN**. Refer to the Soil Storage and Time of Concentration section included in this report for more information on these calculations.

Surface Water Management Recovery:

Basin 1 recovers to elevation **23.50' NAVD** (dry retention bottom elevation) at hour **10**. This meets the SFWMD requirement of recovery before 12 days (288 hours) following the 72 hour 25 Year – 3-day storm event.

PROJECT AREA BREAKDOWN

Land Use	Project Total	% of Total
Total Impervious Area	**1.69 ac**	**71.6%**
Building Area	*0.03 ac*	*1.3%*
Pavement/ Concrete/ Gravel Area	*1.66 ac*	*70.3%*
Total Open Space Area	**0.67 ac**	***28.4%***
Green Space Area	*0.47 ac*	*19.8%*
Dry Retention Area	*0.20 ac*	*8.6%*
Total Project Site Area	**2.36 ac**	***100%***

DESIGN CONDITIONS SUMMARY

Water Quality	
Control Elevation (ft)	22.50
Water Quality Volume Required (ac-ft)	0.49
Water Quality Volume Provided (ac-ft)	0.66
Nutrient Removal Required (ac-ft)	0.275
Nutrient Removal Provided (ac-ft)	0.277
10 Year - 1 Day Storm Event	
Rainfall (in)	6.97
Peak Stage / Minimum Pavement Elev. (ft)	27.43
Minimum Provided Pavement Elev. (ft)	27.45
25 Year - 3 Day Storm Event	
Rainfall (in)	10.80
Allowable Discharge*(cfs)	0.20
Design Discharge (cfs)	0.32
Peak Stage / Minimum Perimeter Berm Elev. (ft)	27.80
Minimum Proposed Berm Elev. (ft)	27.80
500 Year - 3 Day Storm Event	
Rainfall (in)	19.00
Peak Stage / Minimum Building Finished Floor Elev. (ft)	28.69
Provided Building Finished Floor Elev. (ft)	28.70

*The maximum allowable discharge rate for the project is 0.086 cfs/acre.
Note: Site located in FEMA Flood zone X.
Note: All Elevations are in NAVD.
Note: Conversion from NAVD to NGVD +1.18'.

BASIN A - WATER QUALITY CALCULATIONS

Acreage Breakdown:

Total Project Site Area	**2.36 ac**
Total Impervious Area	**1.69 ac**
Building Area	*0.03 ac*
Hardscape Area	*1.66 ac*
Total Open Space Area	**0.67 ac**
Green Space Area	*0.47 ac*
Dry Retention Area	*0.20 ac*
Off-site Impervious Area*	**0.27 ac**

*Proposed off-site impervious area is only taken into account for water quality treatment volume calculations and is not considered in the stage vs. storage calculations.

Critical ICPR4 Simulation Input/Results:

Control Elevation =	22.50 ft	NAVD
Design Discharge Rate (25YR-3DY) (cfs) =	0.32 cfs	
10 Year - 1 Day Storm Stage =	27.43 ft	NAVD
25 Year - 3 Day Storm Stage =	27.80 ft	NAVD
500 Year - 3 Day Storm Stage =	28.69 ft	NAVD

On-site Water Quality Volume Calculation:

First One Inch of Runoff from the Basin

Total Site Area x 1 inch = 0.20 ac-ft

2.5 Inches times the Percent Impervious

Site Area for Water Quality Perv/Imperv Calculations (SAWQ)
Total Site - (Water Surface + Building) = 2.13 ac

Imperv Area for Water Quality Perv/Imperv Calculations (IAWQ)
Road+parking+sidewalk = 1.66 ac

Percent Imperv for Water Quality Perv/Imperv Calculations (%IMP)
(IAWQ / SAWQ) x 100% = 78.0%

2.5 Inches x Percent Imperv
2.5 Inches x %IMP = 1.95 in

Volume Required to be Treated
Treatment x (Total Site) x 1 ft./12 in. = 0.38 ac-ft

Off-site Water Quality Volume Calculations:

First One Inch of Runoff from the Basin

Total Site Area x 1 inch = 0.023 ac-ft

2.5 Inches times the Percent Impervious

Site Area for Water Quality Perv/Imperv Calculations (SAWQ)
Total Site - (Water Surface + Building) = 0.27 ac

Imperv Area for Water Quality Perv/Imperv Calculations (IAWQ)
Road+parking+sidewalk = 0.27 ac

Percent Imperv for Water Quality Perv/Imperv Calculations (%IMP)
(IAWQ / SAWQ) x 100% = 100.0%

2.5 Inches x Percent Imperv
2.5 Inches x %IMP = 2.50 in

Volume Required to be Treated
Treatment x (Total Site) x 1 ft./12 in. = 0.056 ac-ft

Total Water Quality Volume Required:

Dry Retention shall provide the greater of the first inch of runoff from the developed site or the total runoff of 2.5 times the percent impervious minus any provided pre-treatment volume:

First inch of runoff from the developed site =	.22 ac-ft
2.5 time the percent impervious =	.44 ac-ft
Greater WQ Treatment Volume =	.44 ac-ft
25% Dry Retention Reduction =	.11 ac-ft
Additional OFW 50% Treatment =	.16 ac-ft
Final WQ Treatment Volume Required =	**.49 ac-ft**
WQ Treatment Volume provided at elevation 27.80' NAVD =	**.65 ac-ft**

Nutrient Removal

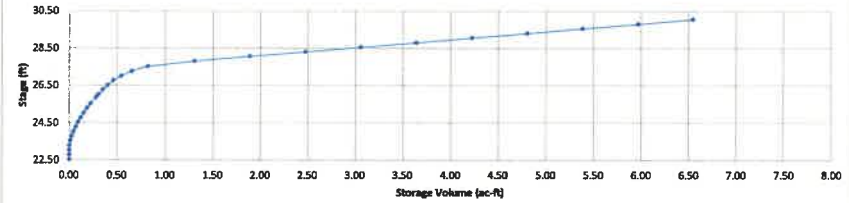
Required Retention Volume = 0.275 ac-ft

Provided Retention Volume @ Elevation 25.85' = .277 ac-ft
*Intrepolated from Stage Storage Table

BASIN A - STAGE vs STORAGE TABLE

STAGE	SURFACE WATER					DRY RETENTION					Total Cumulative Volume
	Green Space	Hardscape	Total Surface Area	Incremental Surface Volume	Cumulative Surface Volume	A = 0.057 ac	A = 0.144 ac	Incremental Dry Ret. Area	Incremental Dry Ret. Volume	Cum. Dry Retention Vol.	
(ft MAVD)	A = 0.47 ac	A = 1.66 ac				Bottom	Bank				
Start Elv.	26.50	27.45				23.50	23.30				
End Elv.	27.80	27.70	(ac)	(ac-ft)	(ac-ft)	23.50	26.30	(ac)	(ac-ft)	(ac-ft)	(ac-ft)
22.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23.50	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.06	0.01	0.01	0.01
23.75	0.00	0.00	0.00	0.00	0.00	0.06	0.01	0.07	0.02	0.02	0.02
24.00	0.00	0.00	0.00	0.00	0.00	0.06	0.03	0.08	0.02	0.04	0.04
24.25	0.00	0.00	0.00	0.00	0.00	0.06	0.04	0.09	0.02	0.06	0.06
24.50	0.00	0.00	0.00	0.00	0.00	0.06	0.05	0.11	0.03	0.09	0.09
24.75	0.00	0.00	0.00	0.00	0.00	0.06	0.06	0.12	0.03	0.12	0.12
25.00	0.00	0.00	0.00	0.00	0.00	0.06	0.07	0.13	0.03	0.149	0.15
25.25	0.00	0.00	0.00	0.00	0.00	0.06	0.08	0.14	0.03	0.18	0.18
25.50	0.00	0.00	0.00	0.00	0.00	0.06	0.10	0.15	0.04	0.22	0.22
25.85	0.00	0.00	0.00	0.00	0.00	0.06	0.11	0.17	0.06	0.28	0.28
26.00	0.00	0.00	0.00	0.00	0.00	0.06	0.12	0.18	0.03	0.30	0.30
26.25	0.00	0.00	0.00	0.00	0.00	0.06	0.13	0.19	0.05	0.35	0.35
26.50	0.00	0.00	0.00	0.00	0.00	0.06	0.14	0.20	0.05	0.40	0.40
26.75	0.09	0.00	0.09	0.01	0.01	0.06	0.14	0.20	0.05	0.45	0.46
27.00	0.18	0.00	0.18	0.03	0.04	0.06	0.14	0.20	0.05	0.50	0.54
27.25	0.27	0.00	0.27	0.06	0.10	0.06	0.14	0.20	0.05	0.55	0.65
27.50	0.36	0.33	0.69	0.12	0.22	0.06	0.14	0.20	0.05	0.60	0.82
27.80	0.47	1.66	2.13	0.42	0.64	0.06	0.14	0.20	0.06	0.68	1.31
28.05	0.47	1.66	2.13	0.53	1.18	0.06	0.14	0.20	0.05	0.73	1.89
28.30	0.47	1.66	2.13	0.53	1.71	0.06	0.14	0.20	0.05	0.76	2.47
28.55	0.47	1.66	2.13	0.53	2.24	0.06	0.14	0.20	0.05	0.81	3.05
28.80	0.47	1.66	2.13	0.53	2.77	0.06	0.14	0.20	0.05	0.86	3.64
29.05	0.47	1.66	2.13	0.53	3.30	0.06	0.14	0.20	0.05	0.91	4.22
29.30	0.47	1.66	2.13	0.53	3.84	0.06	0.14	0.20	0.05	0.96	4.80
29.55	0.47	1.66	2.13	0.53	4.37	0.06	0.14	0.20	0.05	1.02	5.38
29.80	0.47	1.66	2.13	0.53	4.90	0.06	0.14	0.20	0.05	1.07	5.97
30.05	0.47	1.66	2.13	0.53	5.43	0.06	0.14	0.20	0.05	1.12	6.55

STAGE vs STORAGE GRAPH



BASIN A - SOIL STORAGE AND TIME OF CONCENTRATION

*Soil storage for the site has been estimate using the compacted water storage capability estimate by the Soil Conservation Service for the sandy material in South Florida Water Management District.

Site Condition	Low Elevation	High Elevation	Average Elevation	Area	Area x Average Elevation
Green Space Area	26.50 ft	27.80 ft	27.15 ft	.47 ac	12.70 ac-ft

Average Site Grade =	27.15 ft
Depth to Water Table (Avg site grad - WSWT Elv.) =	4.65 ft
Soil Storage in pervious areas =	8.18 in
Percent Pervious (pervious area / site area) =	20%
Site Soil Storage (% pervious * Soil Storage in pervious areas) =	**1.62 in**

SCS Curve Number:

Curve Number (CN) = $\frac{1000}{S + 10}$ = 86

Design CN = **86**

Time of concentration:

The following time of concentration calculations have been performed using the method outlined in the NRCS Urban Hydrology for Small Watersheds (TR-55)

Sheet Flow			
	Manning's Roughness Coef "n" =	ASPHALT	0.013
	Flow Length "L" =		50 ft
	2 Year 24 Hour Rainfall "P" =		5.0 in
	Hydraulic Grade Line Slope "s" =		0.01 ft/ft
	Time = 0.007*(n*L)^0.8/[(P)^0.5*s^0.4] =		0.0 hr
			0.8 min
Shallow Concentrated Flow:			
	Paved Surface:		
	Slope =		0.003 ft/ft
	Velocity = 20.3282*s^(0.5) =		1.1 fps
	Travel Distance =		0 ft
	Time = (distance/Velocity) =		0.0 min
	Pervious Surface:		
	Slope =		0.00 ft/ft
	Velocity = 16.1345*s^(0.5) =		0.9 fps
	Travel Distance =		100 ft
	Time = (distance/Velocity) =		**1.9 min**
Channel/Pipe Flow:			
	Pipe Flow:		
	Velocity (estimated) =		1.0 fps
	Travel Distance =		382 ft
	Time = (distance/Velocity) =		**6.4 min**
Minimum Time of Concentration used for stormwater modeling =			10.00 min
Calculated Time of Concentration (sum of all travel times) =			**9.1 min**
Design Time of Concentration Used =			**10.00 min**

Complete Report (not including cost) Ver 4.3.3

Project: LCEC Gunnery Raod
Date: 4/27/2026 11:03:54 AM

Site and Catchment Information

Analysis: Net Improvement

Catchment Name	Basin 1
Rainfall Zone	Florida Zone 4
Annual Mean Rainfall	52.00

Pre-Condition Landuse Information

Landuse	Undeveloped - Dry Prairie: TN=2.025 TP=0.184
Area (acres)	2.36
Rational Coefficient (0-1)	0.18
Non DCIA Curve Number	85.00
DCIA Percent (0-100)	0.00
Nitrogen EMC (mg/l)	2.025
Phosphorus EMC (mg/l)	0.184
Runoff Volume (ac-ft/yr)	1.861
Groundwater N (kg/yr)	0.000
Groundwater P (kg/yr)	0.000
Nitrogen Loading (kg/yr)	4.647
Phosphorus Loading (kg/yr)	0.422

Post-Condition Landuse Information

Landuse	Low-Intensity Commercial: TN=1.13 TP=0.188
Area (acres)	2.36
Rational Coefficient (0-1)	0.65
Non DCIA Curve Number	86.00
DCIA Percent (0-100)	71.60
Wet Pond Area (ac)	0.00
Nitrogen EMC (mg/l)	1.130
Phosphorus EMC (mg/l)	0.188
Runoff Volume (ac-ft/yr)	6.606
Groundwater N (kg/yr)	0.000

Groundwater P (kg/yr)	0.000
Nitrogen Loading (kg/yr)	9.204
Phosphorus Loading (kg/yr)	1.531

Catchment Number: 1 Name: Basin 1

Project: LCEC Gunnery Raod
Date: 4/27/2026

Retention Design

Retention Depth (in)	1.400
Retention Volume (ac-ft)	0.275

Watershed Characteristics

Catchment Area (acres)	2.36
Contributing Area (acres)	2.360
Non-DCIA Curve Number	86.00
DCIA Percent	71.60
Rainfall Zone	Florida Zone 4
Rainfall (in)	52.00

Surface Water Discharge

Required TN Treatment Efficiency (%)	50
Provided TN Treatment Efficiency (%)	80
Required TP Treatment Efficiency (%)	72
Provided TP Treatment Efficiency (%)	80

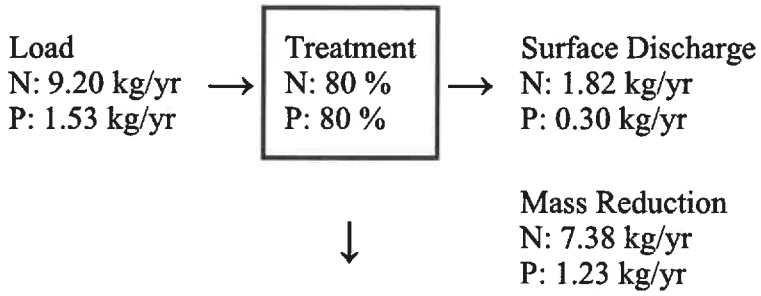
Media Mix Information

Type of Media Mix	Not Specified
Media N Reduction (%)	
Media P Reduction (%)	

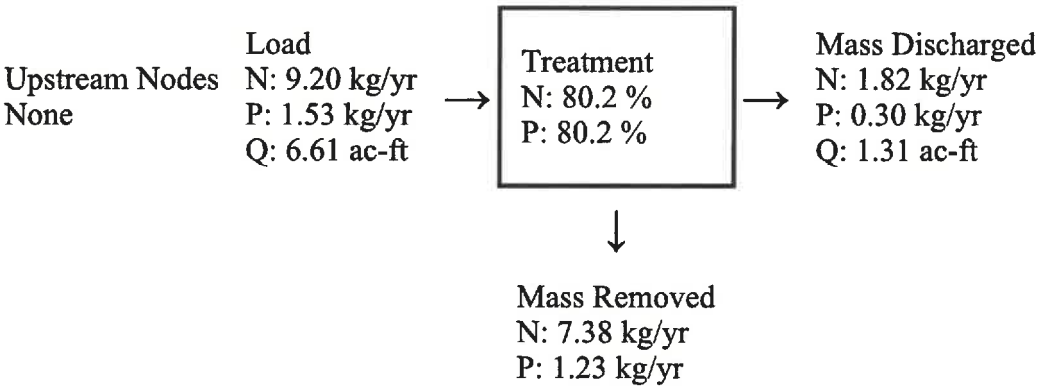
Groundwater Discharge (Stand-Alone)

Treatment Rate (MG/yr)	0.000
TN Mass Load (kg/yr)	7.380
TN Concentration (mg/L)	0.000
TP Mass Load (kg/yr)	1.228
TP Concentration (mg/L)	0.000

Load Diagram for Retention (stand-alone)



Load Diagram for Retention (As Used In Routing)



Summary Treatment Report Version: 4.3.3

Project: LCEC Gunnery Raod

Date:4/27/2026

Analysis Type: Net Improvement
BMP Types:
Catchment 1 - (Basin 1) Retention
Based on % removal values to the nearest percent

Routing Summary
Catchment 1 Routed to Outlet

Total nitrogen target removal met? **Yes**
Total phosphorus target removal met? **Yes**

Summary Report

Nitrogen

Surface Water Discharge	
Total N pre load	4.65 kg/yr
Total N post load	9.2 kg/yr
Target N load reduction	50 %

Target N discharge load	4.65 kg/yr	
Percent N load reduction	80 %	
Provided N discharge load	1.82 kg/yr	4.02 lb/yr
Provided N load removed	7.38 kg/yr	16.27 lb/yr

Phosphorus

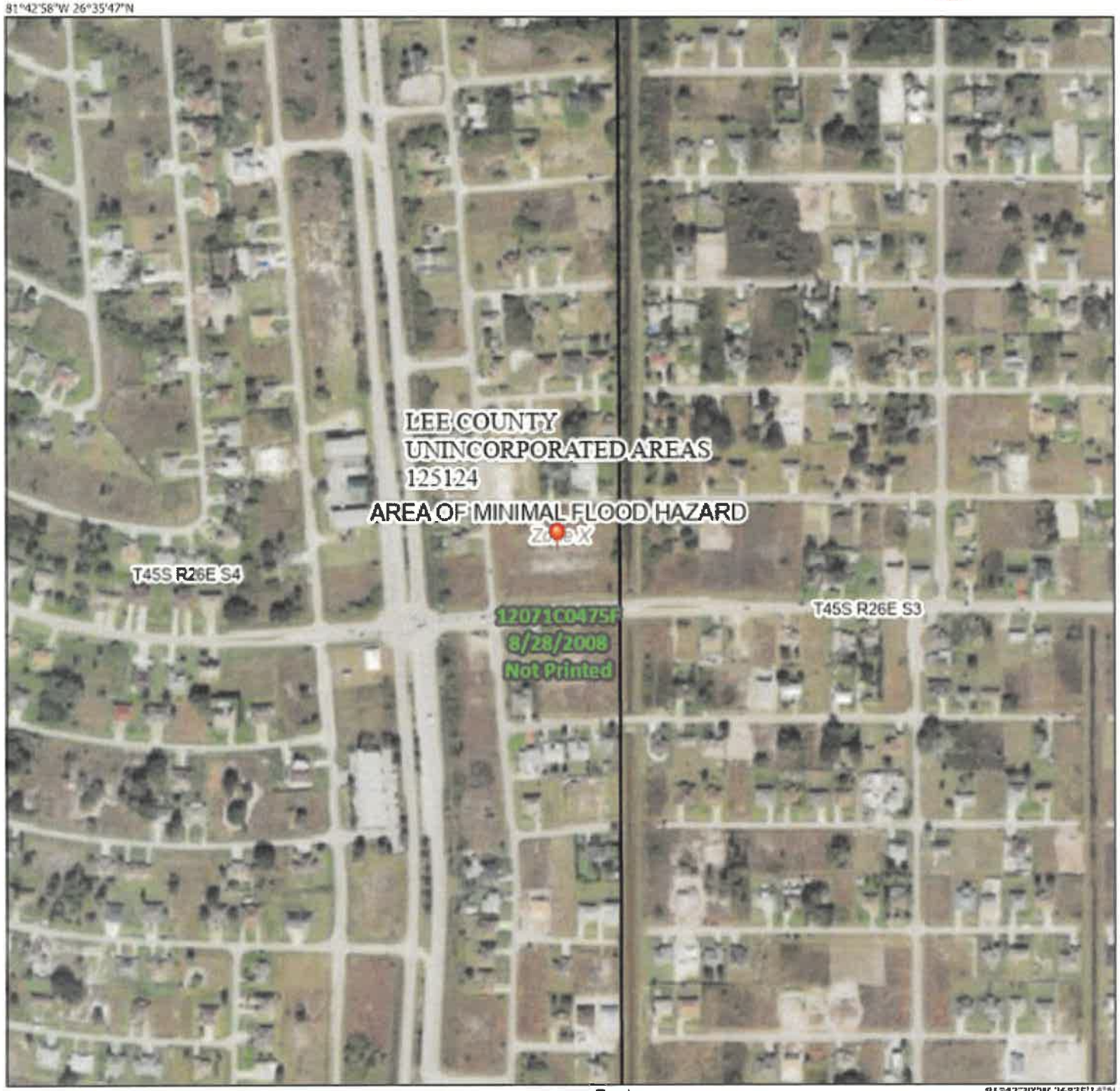
Surface Water Discharge

Total P pre load	.422 kg/yr	
Total P post load	1.531 kg/yr	
Target P load reduction	72 %	
Target P discharge load	.422 kg/yr	
Percent P load reduction	80 %	
Provided P discharge load	.304 kg/yr	.67 lb/yr
Provided P load removed	1.228 kg/yr	2.707 lb/yr

National Flood Hazard Layer FIRMette

EXHIBIT 1

FEMA



Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) Zone A, V, A99
- With BFE or Depth Zone AE, AO, AH, VE, AR
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Area of 1% annual chance flood with average depth less than one foot or with drainag areas of less than one square mile Zone
- Future Conditions 1% Annual Chance Flood Hazard Zone X
- Area with Reduced Flood Risk due to Levee. See Notes. Zone X
- Area with Flood Risk due to Levee Zone D

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard Zone X
- Effective LOMRs
- Area of Undetermined Flood Hazard Zone

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

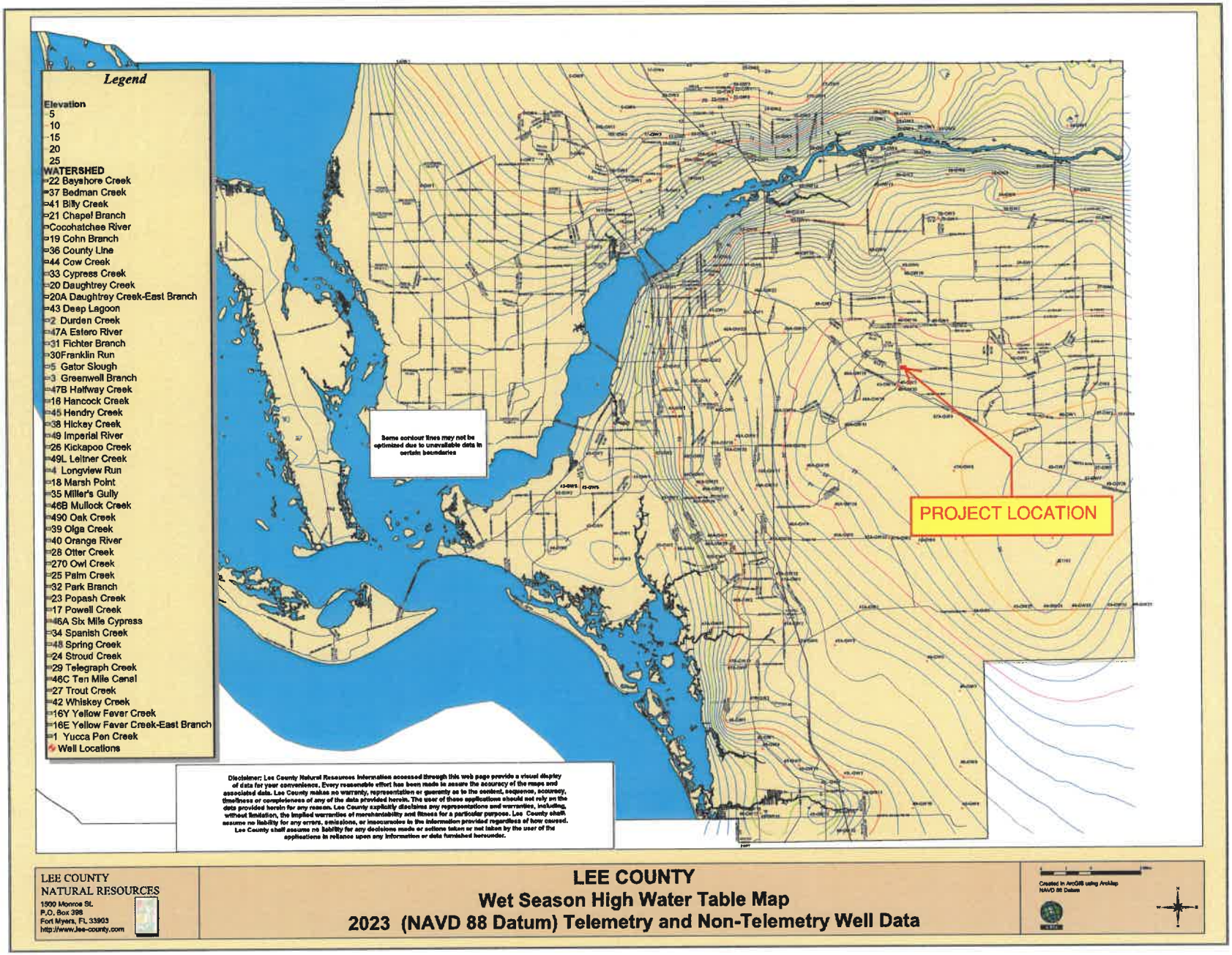
N

The pin displayed on the map is an approximat point selected by the user and does not repres an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 2/28/2025 at 7:34 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.


Legend
Elevation
5
10
15
20
25
WATERSHED
22 Bayshore Creek
37 Bedman Creek
41 Billy Creek
21 Chapel Branch
Cocohatchee River
19 Cohn Branch
36 County Line
44 Cow Creek
33 Cypress Creek
20 Daughtrey Creek
20A Daughtrey Creek-East Branch
43 Deep Lagoon
2 Durden Creek
47A Estero River
31 Fichter Branch
30Franklin Run
5 Gator Slough
3 Greenwell Branch
47B Halfway Creek
16 Hancock Creek
45 Hendry Creek
38 Hickey Creek
49 Imperial River
26 Kickapoo Creek
49L Leitner Creek
4 Longview Run
18 Marsh Point
35 Miller's Gully
46B Mullock Creek
490 Oak Creek
39 Olga Creek
40 Orange River
28 Otter Creek
270 Owl Creek
25 Palm Creek
32 Park Branch
23 Popash Creek
17 Powell Creek
46A Six Mile Cypress
34 Spanish Creek
48 Spring Creek
24 Stroud Creek
29 Telegraph Creek
46C Ten Mile Canal
27 Trout Creek
42 Whiskey Creek
16Y Yellow Fever Creek
16E Yellow Fever Creek-East Branch
1 Yucca Pen Creek
Well Locations
Some contour lines may not be optimized due to unavailable data in certain boundaries
PROJECT LOCATION
Disclaimer: Lee County Natural Resources information accessed through this web page provide a visual display of data for your convenience. Every reasonable effort has been made to assure the accuracy of the maps and associated data. Lee County makes no warranty, representation or guaranty as to the content, sequence, accuracy, timeliness or completeness of any of the data provided herein. The user of these applications should not rely on the data provided herein for any reason. Lee County explicitly disclaims any representations and warranties, including, without limitation, the implied warranties of merchantability and fitness for a particular purpose. Lee County shall assume no liability for any errors, omissions, or inaccuracies in the information provided regardless of how caused. Lee County shall assume no liability for any decisions made or actions taken or not taken by the user of the applications in reliance upon any information or data furnished hereunder.
LEE COUNTY
NATURAL RESOURCES
1500 Monroe St.
P.O. Box 398
Fort Myers, FL 33902
http://www.lee-county.com
LEE COUNTY
Wet Season High Water Table Map
2023 (NAVD 88 Datum) Telemetry and Non-Telemetry Well Data
Created in ArcGIS using ArcMap
NAVD 88 Datum

Location name: Lehigh Acres, Florida, USA*
Latitude: 26.5918°, Longitude: -81.7109°
Elevation: 27 ft**
* source: ESRI Maps
** source: USGS

POINT PRECIPITATION FREQUENCY ESTIMATES

Sanja Perica, Deborah Martin, Sandra Pavlovic, Ishani Roy, Michael St. Laurent, Carl Trypaluk, Dale Unruh, Michael Yekta, Geoffery Bonnin

NOAA, National Weather Service, Silver Spring, Maryland

PF_tabular | PF_graphical | Maps_&_aerials

PF tabular

PDS-based point precipitation frequency estimates with 90% confidence intervals (in inches)[1]

Duration	Average recurrence interval (years)									
	1	2	5	10	25	50	100	200	500	1000
5-min	0.551 (0.453-0.682)	0.620 (0.509-0.768)	0.733 (0.599-0.910)	0.826 (0.671-1.03)	0.953 (0.747-1.23)	1.05 (0.804-1.39)	1.15 (0.847-1.56)	1.25 (0.880-1.76)	1.38 (0.933-2.01)	1.47 (0.973-2.20)
10-min	0.807 (0.663-0.998)	0.908 (0.745-1.12)	1.07 (0.877-1.33)	1.21 (0.982-1.51)	1.40 (1.09-1.81)	1.54 (1.18-2.03)	1.68 (1.24-2.29)	1.82 (1.29-2.58)	2.02 (1.37-2.95)	2.16 (1.42-3.23)
15-min	0.984 (0.808-1.22)	1.11 (0.909-1.37)	1.31 (1.07-1.62)	1.47 (1.20-1.84)	1.70 (1.33-2.20)	1.88 (1.44-2.48)	2.05 (1.51-2.79)	2.23 (1.57-3.14)	2.46 (1.67-3.59)	2.63 (1.74-3.93)
30-min	1.56 (1.28-1.93)	1.76 (1.44-2.18)	2.07 (1.70-2.58)	2.34 (1.90-2.92)	2.69 (2.11-3.49)	2.97 (2.27-3.92)	3.24 (2.39-4.42)	3.52 (2.49-4.97)	3.89 (2.64-5.68)	4.16 (2.75-6.22)
60-min	2.07 (1.70-2.56)	2.32 (1.90-2.87)	2.72 (2.23-3.38)	3.06 (2.49-3.83)	3.54 (2.77-4.59)	3.90 (2.99-5.16)	4.27 (3.16-5.83)	4.65 (3.29-6.58)	5.16 (3.50-7.55)	5.55 (3.66-8.29)
2-hr	2.58 (2.13-3.17)	2.88 (2.37-3.54)	3.37 (2.77-4.16)	3.79 (3.10-4.71)	4.38 (3.46-5.65)	4.84 (3.73-6.36)	5.30 (3.94-7.20)	5.78 (4.12-8.13)	6.43 (4.39-9.36)	6.93 (4.60-10.3)
3-hr	2.80 (2.32-3.43)	3.13 (2.59-3.84)	3.69 (3.04-4.53)	4.16 (3.41-5.15)	4.84 (3.83-6.23)	5.37 (4.15-7.05)	5.92 (4.42-8.02)	6.49 (4.64-9.10)	7.27 (4.99-10.6)	7.88 (5.25-11.7)
6-hr	3.12 (2.59-3.80)	3.56 (2.96-4.34)	4.31 (3.57-5.27)	4.96 (4.08-6.10)	5.89 (4.70-7.57)	6.65 (5.17-8.69)	7.42 (5.58-10.0)	8.24 (5.93-11.5)	9.37 (6.47-13.5)	10.3 (6.88-15.1)
12-hr	3.42 (2.86-4.13)	4.04 (3.37-4.88)	5.10 (4.24-6.18)	6.02 (4.98-7.35)	7.36 (5.91-9.43)	8.45 (6.61-11.0)	9.58 (7.24-12.9)	10.8 (7.80-15.0)	12.4 (8.65-17.9)	13.7 (9.29-20.1)
24-hr	3.91 (3.28-4.70)	4.61 (3.87-5.54)	5.85 (4.89-7.06)	6.97 (5.79-8.45)	8.65 (7.00-11.1)	10.0 (7.92-13.1)	11.5 (8.78-15.5)	13.1 (9.58-18.2)	15.4 (10.8-22.1)	17.2 (11.7-25.0)
2-day	4.72 (3.98-5.63)	5.38 (4.54-6.42)	6.62 (5.56-7.93)	7.79 (6.50-9.38)	9.62 (7.87-12.3)	11.2 (8.91-14.5)	12.9 (9.92-17.3)	14.8 (10.9-20.5)	17.6 (12.4-25.1)	19.8 (13.6-28.5)
3-day	5.21 (4.41-6.19)	6.00 (5.07-7.14)	7.44 (6.26-8.88)	8.75 (7.33-10.5)	10.8 (8.80-13.6)	12.4 (9.91-16.0)	14.3 (11.0-18.9)	16.2 (12.0-22.3)	19.0 (13.5-27.0)	21.3 (14.7-30.6)
4-day	5.64 (4.78-6.68)	6.54 (5.54-7.76)	8.13 (6.86-9.67)	9.55 (8.01-11.4)	11.7 (9.54-14.7)	13.4 (10.7-17.2)	15.3 (11.8-20.2)	17.3 (12.7-23.6)	20.1 (14.2-28.3)	22.3 (15.4-31.9)
7-day	6.93 (5.90-8.17)	7.91 (6.73-9.33)	9.60 (8.14-11.4)	11.1 (9.34-13.2)	13.3 (10.9-16.5)	15.0 (12.0-19.0)	16.9 (13.0-22.1)	18.8 (14.0-25.5)	21.5 (15.4-30.2)	23.7 (16.4-33.8)
10-day	8.14 (6.94-9.56)	9.14 (7.79-10.7)	10.9 (9.22-12.8)	12.3 (10.4-14.6)	14.5 (11.9-17.9)	16.2 (13.0-20.5)	18.0 (13.9-23.4)	19.9 (14.8-26.8)	22.5 (16.1-31.4)	24.6 (17.1-34.9)
20-day	11.6 (9.93-13.5)	12.8 (10.9-14.9)	14.7 (12.6-17.2)	16.3 (13.9-19.2)	18.5 (15.2-22.6)	20.2 (16.2-25.2)	21.9 (17.0-28.1)	23.6 (17.6-31.4)	25.9 (18.6-35.6)	27.5 (19.3-38.8)
30-day	14.5 (12.4-16.8)	15.9 (13.7-18.5)	18.2 (15.6-21.2)	20.0 (17.0-23.5)	22.4 (18.4-27.1)	24.2 (19.4-29.8)	25.9 (20.1-32.9)	27.5 (20.6-36.3)	29.5 (21.3-40.4)	31.0 (21.8-43.5)
45-day	18.1 (15.6-21.0)	19.9 (17.2-23.1)	22.8 (19.6-26.5)	25.0 (21.3-29.2)	27.8 (22.8-33.3)	29.7 (24.0-36.4)	31.5 (24.6-39.9)	33.2 (24.9-43.5)	35.2 (25.4-47.8)	36.5 (25.8-51.0)
60-day	21.2 (18.3-24.5)	23.5 (20.2-27.1)	26.8 (23.1-31.1)	29.4 (25.2-34.3)	32.6 (26.8-39.0)	34.9 (28.1-42.5)	36.8 (28.8-46.4)	38.6 (29.0-50.4)	40.6 (29.4-54.9)	41.9 (29.7-58.4)

[1] Precipitation frequency (PF) estimates in this table are based on frequency analysis of partial duration series (PDS).

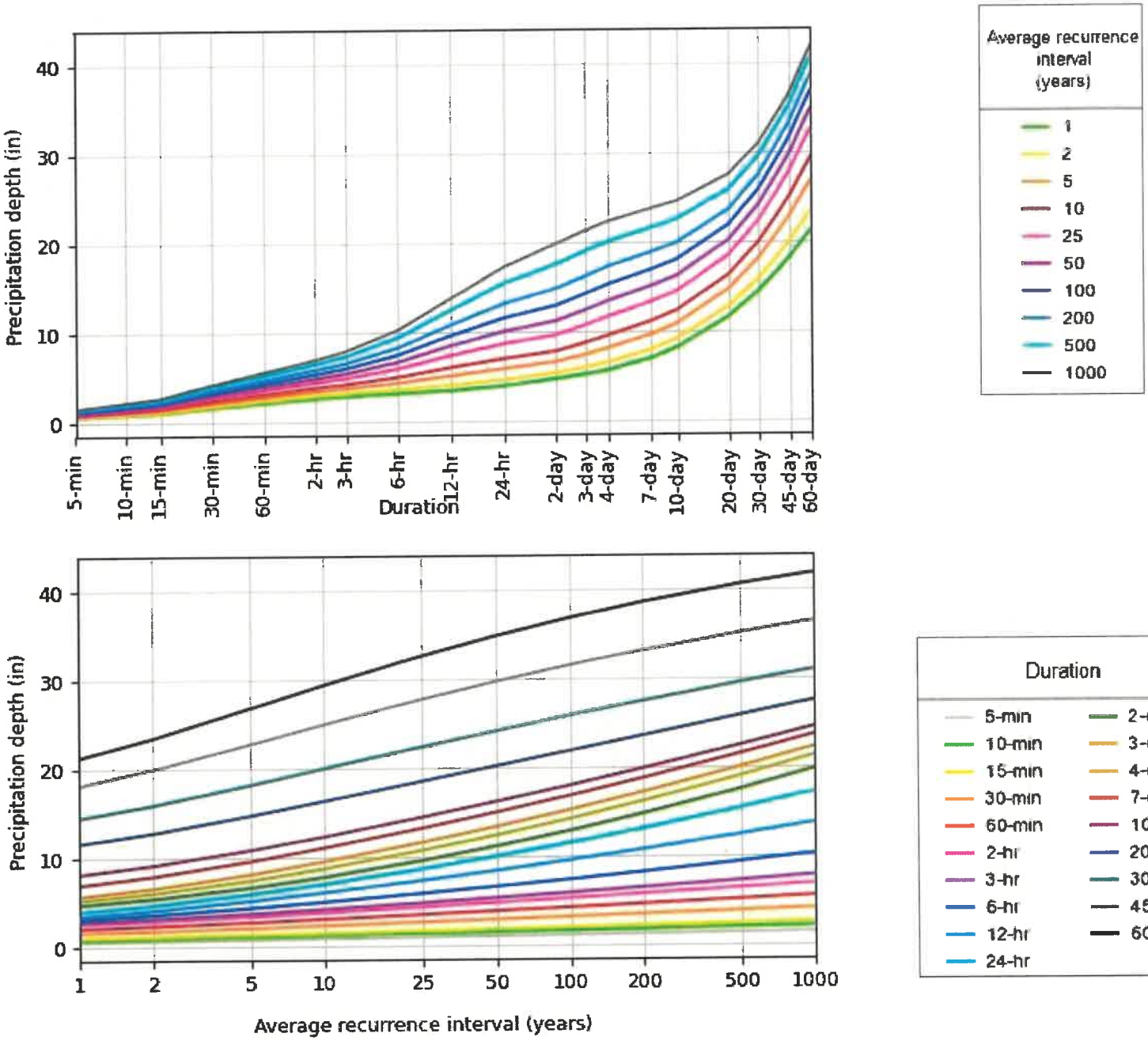
Numbers in parenthesis are PF estimates at lower and upper bounds of the 90% confidence interval. The probability that precipitation frequency estimates (for a given duration and average recurrence interval) will be greater than the upper bound (or less than the lower bound) is 5%. Estimates at upper bounds are not checked against probable maximum precipitation (PMP) estimates and may be higher than currently valid PMP values.

Please refer to NOAA Atlas 14 document for more information.

Back to Top

PF graphical

PDS-based depth-duration-frequency (DDF) curves
Latitude: 26.5918°, Longitude: -81.7109°



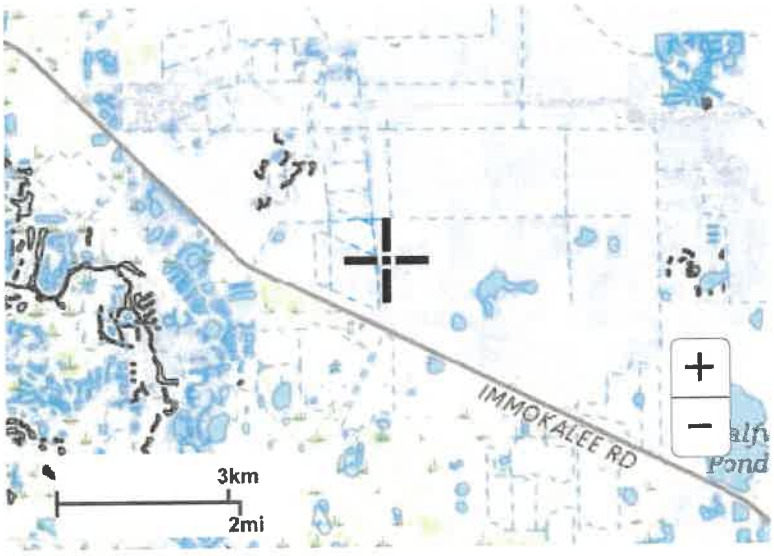
OAA Atlas 14, Volume 9, Version 2

Created (GMT): Thu Sep 18 18:43:29 2025

Back to Top

Maps & aerials

Small scale terrain



Large scale terrain



Large scale map



Large scale aerial

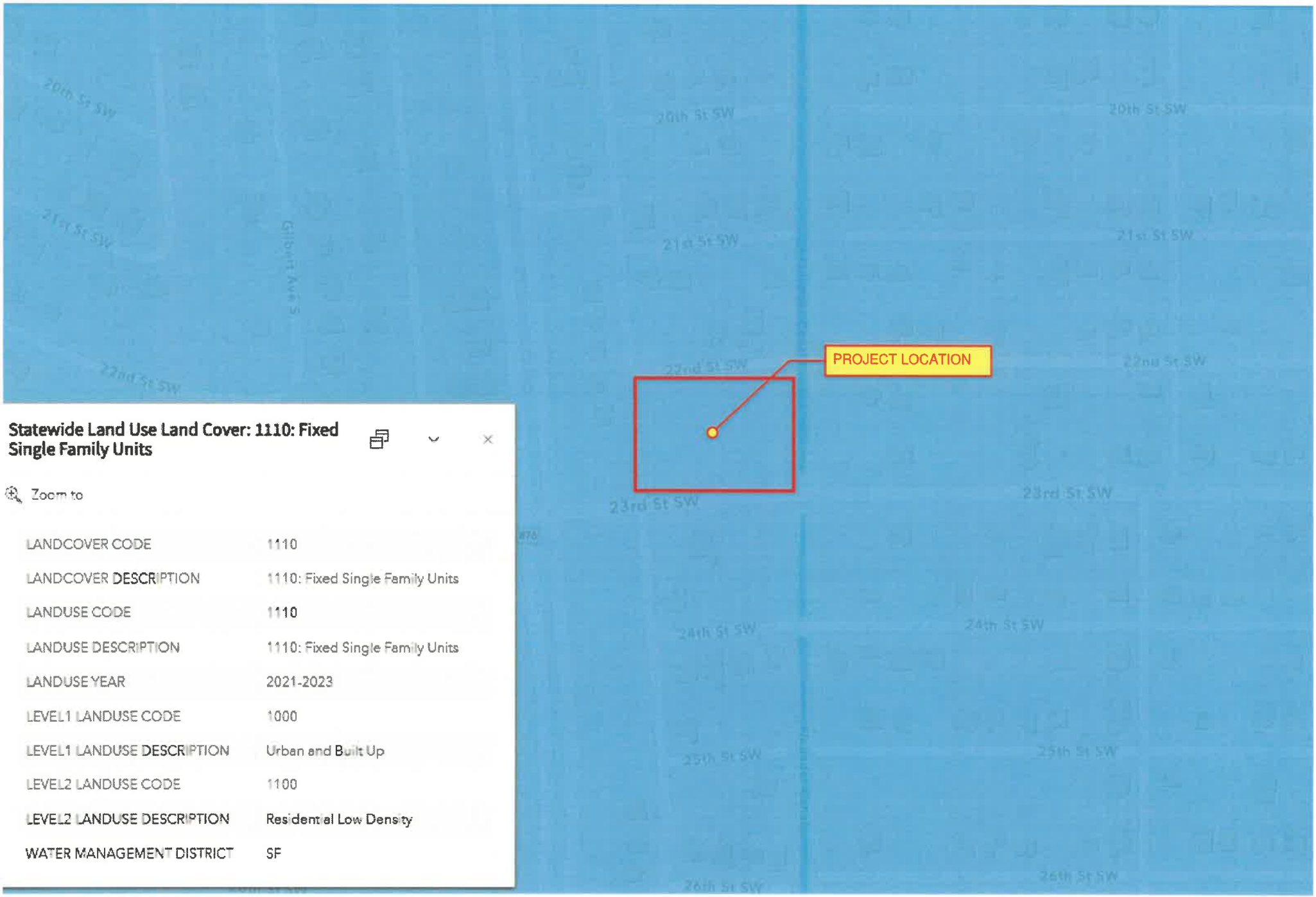


Back to Top

US Department of Commerce
National Oceanic and Atmospheric Administration
National Weather Service
National Water Center
1325 East West Highway
Silver Spring, MD 20910
Questions?: HDSC.Questions@noaa.gov

Disclaimer

FDEP LAND USE MAP



Statewide Land Use Land Cover: 1110: Fixed Single Family Units

Zoom to

LANDCOVER CODE	1110
LANDCOVER DESCRIPTION	1110: Fixed Single Family Units
LANDUSE CODE	1110
LANDUSE DESCRIPTION	1110: Fixed Single Family Units
LANDUSE YEAR	2021-2023
LEVEL1 LANDUSE CODE	1000
LEVEL1 LANDUSE DESCRIPTION	Urban and Built Up
LEVEL2 LANDUSE CODE	1100
LEVEL2 LANDUSE DESCRIPTION	Residential Low Density
WATER MANAGEMENT DISTRICT	SF

Soil Map—Lee County, Florida
(SOIL MAP)



Map Scale: 1:876 If printed on A landscape (11" x 8.5") sheet.

N

Meters
0 10 20 40 60

Feet
0 40 80 160 240

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 17N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Lee County, Florida
Survey Area Data: Version 22, Aug 21, 2024

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

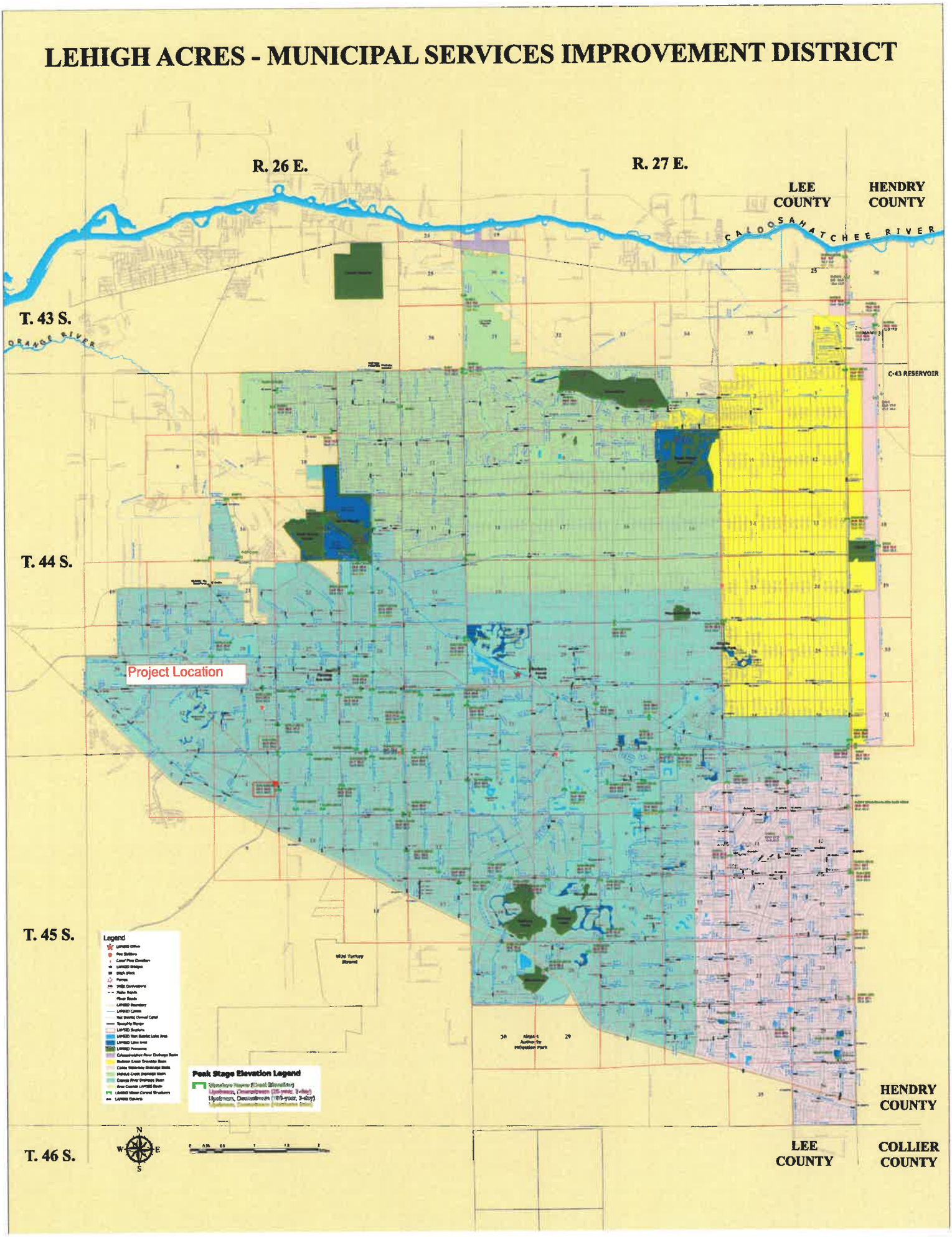
Date(s) aerial images were photographed: Nov 14, 2021—Nov 23, 2021

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

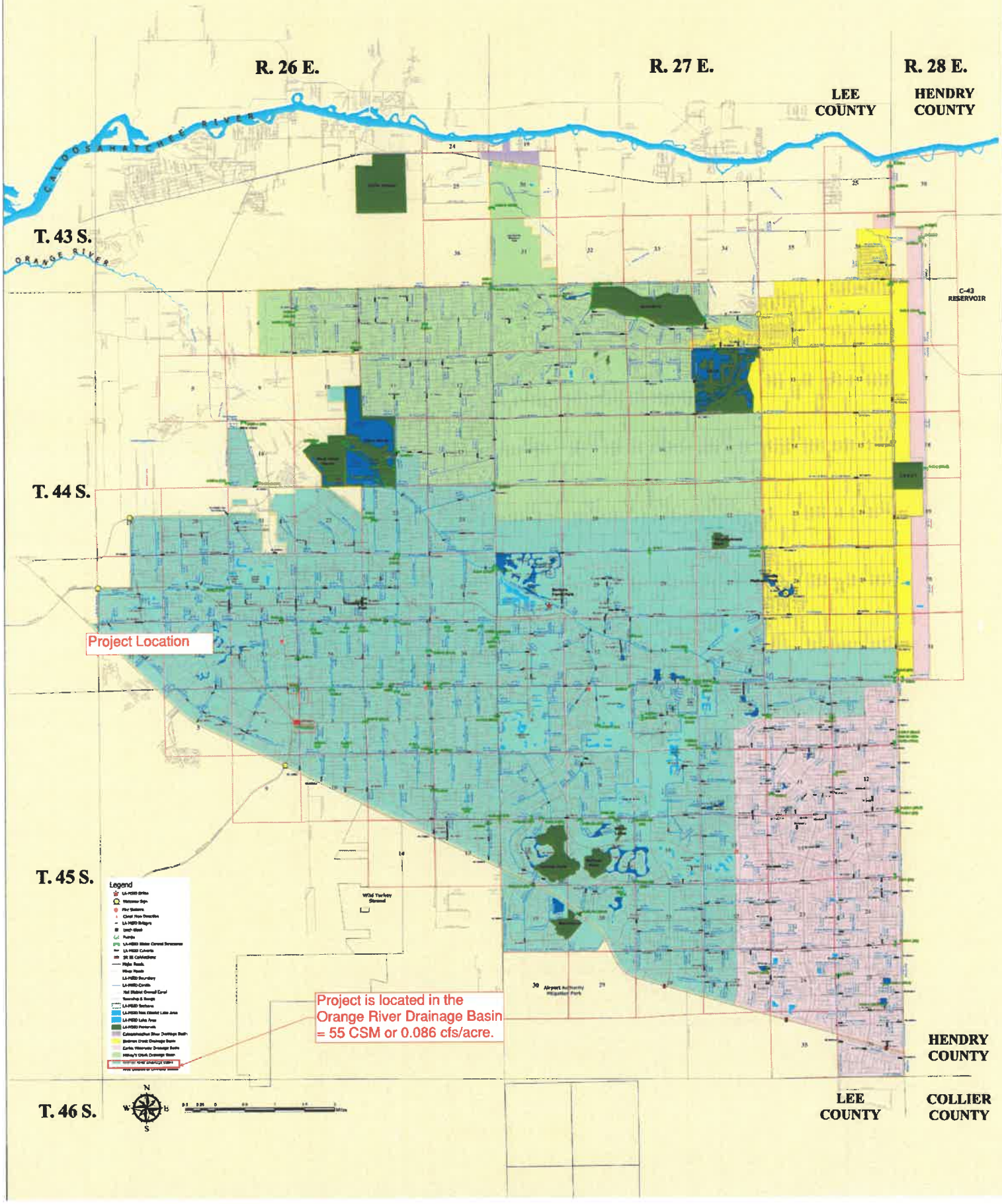
Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
125	Oldsmar sand-Urban land, 0 to 2 percent slopes	3.9	100.0%
Totals for Area of Interest		**3.9**	**100.0%**

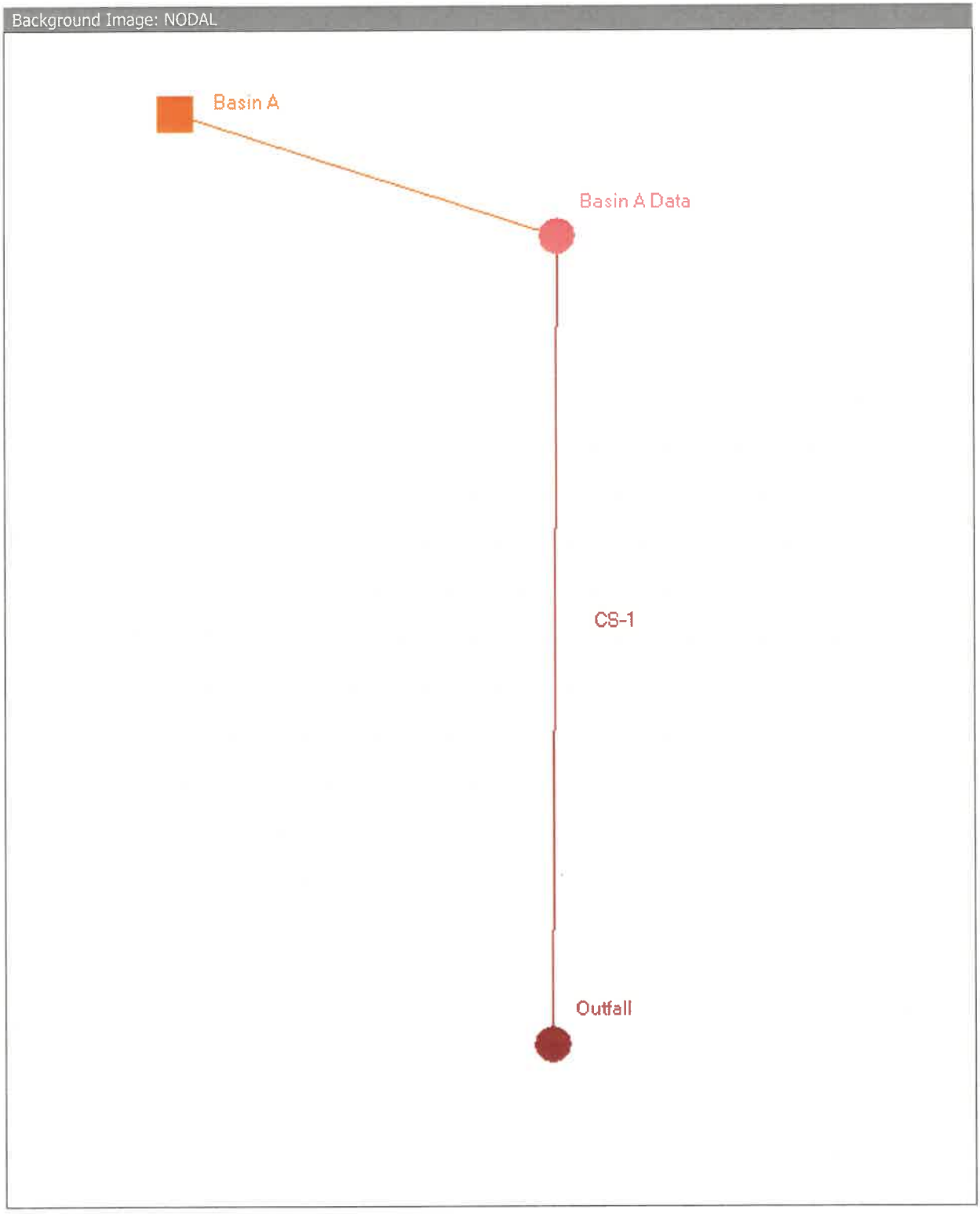
LEHIGH ACRES - MUNICIPAL SERVICES IMPROVEMENT DISTRICT



LEHIGH ACRES - MUNICIPAL SERVICES IMPROVEMENT DISTRICT



Background Image: NODAL



Simulation: 500 YR 3 DAY Zero Discharge

Scenario: NO ON-SITE Q
Run Date/Time: 4/13/2026 2:34:13 PM
Program Version: StormWise 4.08.03

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	360.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	60.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	60.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: site

Green-Ampt Set:
Vertical Layers Set:
Impervious Set: site

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft

IA Recovery Time: 24.0000 hr

Ia/S: 0.20 dec

Max dZ:	1.0000 ft	Smp/Man Basin Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft		
		Rainfall Name:	~SFWMD-72
		Rainfall Amount:	19.00 in
		Storm Duration:	72.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: 10 YR 1 Day

Scenario: STANDARD Q
Run Date/Time: 4/13/2026 2:34:43 PM
Program Version: StormWise 4.08.03

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	36.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	60.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	60.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: site

Green-Ampt Set:
Vertical Layers Set:
Impervious Set: site

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft

Link Optimizer Tol: 0.0001 ft

IA Recovery Time: 24.0000 hr

Ia/S: 0.20 dec

Smp/Man Basin Rain Opt: Global

Rainfall Name: ~FLMOD
Rainfall Amount: 6.97 in
Storm Duration: 24.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

Simulation: 25 YR 3 DAY

Scenario: STANDARD Q
Run Date/Time: 4/13/2026 2:34:48 PM
Program Version: StormWise 4.08.03

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	360.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	60.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	60.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: site

Green-Ampt Set:
Vertical Layers Set:
Impervious Set: site

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft

Link Optimizer Tol: 0.0001 ft

IA Recovery Time: 24.0000 hr

Ia/S: 0.20 dec

Smp/Man Basin Rain Opt: Global

Rainfall Name: ~SFWMD-72
Rainfall Amount: 10.80 in
Storm Duration: 72.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

Impervious: site [Set]

Land Cover Zone	% Impervious	% DCIA	% Direct	Ia/S [dec]	Ia Impervious [in]	Ia Pervious [in]
site	0.00	0.00	0.00	0.00	0.000	0.000

Curve Number: site [Set]

Land Cover Zone	Soil Zone	Curve Number [dec]
site	site	86.0

Manual Basin: Basin A

Scenario: NO ON-SITE Q
Node: Basin A Data
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 2.3600 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
2.3600	site	site	

Comment:

Manual Basin: Basin A

Scenario: STANDARD Q
Node: Basin A Data
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 2.3600 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
2.3600	site	site	

Comment:

Node: Basin A Data

Scenario: NO ON-SITE Q
Type: Stage/Volume
Base Flow: 0.00 cfs
Initial Stage: 22.50 ft
Warning Stage: 999.00 ft
Alert Stage: 0.00 ft

Stage [ft]	Volume [ac-ft]	Volume [ft3]
22.50	0.00	0
22.75	0.00	0
23.00	0.00	0
23.25	0.00	0
23.50	0.01	436
23.75	0.02	871
24.00	0.04	1742
24.25	0.06	2614
24.50	0.09	3920
24.75	0.12	5227
25.00	0.15	6534
25.25	0.18	7841
25.50	0.22	9583
25.90	0.29	12632
26.00	0.30	13068
26.25	0.35	15246
26.50	0.40	17424
26.75	0.46	20038
27.00	0.54	23522
27.25	0.65	28314
27.50	0.82	35719
27.80	1.31	57064
28.05	1.89	82328
28.30	2.47	107593
28.55	3.05	132858
28.80	3.64	158558
29.05	4.22	183823
29.30	4.80	209088
29.55	5.38	234353
29.80	5.97	260053
30.05	6.55	285318

Comment:

Node Max Conditions w/ Times [NO ON-SITE Q]

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage	Max Total Inflow	Max Total Outflow	Max Surface Area	Time to Max Stage	Time to Min/Ma	Time to Max Total	Time to Max Total

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
Basin A Data	500 YR 3 DAY Zero Discharge	999.00	0.00	28.69	0.0010	19.54	0.00	101930	72.9843	5.2756	60.0166	0.0000

Node: Basin A Data

Scenario: STANDARD Q
Type: Stage/Volume
Base Flow: 0.00 cfs
Initial Stage: 22.50 ft
Warning Stage: 999.00 ft
Alert Stage: 0.00 ft

Stage [ft]	Volume [ac-ft]	Volume [ft3]
22.50	0.00	0
22.75	0.00	0
23.00	0.00	0
23.25	0.00	0
23.50	0.01	436
23.75	0.02	871
24.00	0.04	1742
24.25	0.06	2614
24.50	0.09	3920
24.75	0.12	5227
25.00	0.15	6534
25.25	0.18	7841
25.50	0.22	9583
25.90	0.29	12632
26.00	0.30	13068
26.25	0.35	15246
26.50	0.40	17424
26.75	0.46	20038
27.00	0.54	23522
27.25	0.65	28314
27.50	0.82	35719
27.80	1.31	57064
28.05	1.89	82328
28.30	2.47	107593
28.55	3.05	132858
28.80	3.64	158558

Stage [ft]	Volume [ac-ft]	Volume [ft3]
29.05	4.22	183823
29.30	4.80	209088
29.55	5.38	234353
29.80	5.97	260053
30.05	6.55	285318

Comment:

Node Max Conditions w/ Times [STANDARD Q]

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
Basin A Data	10 YR 1 Day	999.00	0.00	27.43	0.0010	8.65	0.28	42774	18.6943	4.3510	12.0500	18.7026
Basin A Data	25 YR 3 DAY	999.00	0.00	27.80	0.0010	10.83	0.32	86209	68.0847	7.8644	60.0166	68.0930

Node: Outfall

Scenario: STANDARD Q
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 22.50 ft
Warning Stage: 999.00 ft
Alert Stage: 0.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	22.50
0	0	0	24.0000	24.50
0	0	0	180.0000	23.50
0	0	0	360.0000	22.50

Comment:

Node Max Conditions w/ Times [STANDARD Q]

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage	Max Total Inflow	Max Total Outflow	Max Surface Area	Time to Max Stage	Time to Min/Ma	Time to Max Total	Time to Max Total

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
Outfall	10 YR 1 Day	999.00	0.00	24.50	0.0007	0.28	0.00	0	24.0026	0.7194	18.7026	0.0000
Outfall	25 YR 3 DAY	999.00	0.00	24.50	0.0007	0.32	0.00	0	24.0028	0.7194	68.0930	0.0000

Drop Structure Link: CS-1

Scenario:	STANDARD Q
From Node:	Basin A Data
To Node:	Outfall
Link Count:	1
Pipe Flow Direction:	Both
Solution:	Combine
Increments:	0
Pipe Count:	1
Damping:	0.0000 ft
Length:	20.00 ft
FHWA Code:	0
Entr Loss Coef:	0
Exit Loss Coef:	0
Bend Loss Coef:	0
Bend Location:	0.00 dec
Energy Switch:	Energy

Upstream Pipe

Invert:	22.25 ft
Manning's N:	0.0130
Geometry: Circular	
Max Depth:	1.25 ft
Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Manning's N:	0.0000
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Manning's N:	0.0000

Downstream Pipe

Invert:	22.00 ft
Manning's N:	0.0130
Geometry: Circular	
Max Depth:	1.25 ft
Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Manning's N:	0.0000
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Manning's N:	0.0000

Pipe Comment:

Weir Component

Weir:	1
Weir Count:	1
Weir Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Sharp Crested Vertical
Geometry Type:	Circular
Invert:	25.85 ft
Control Elevation:	22.50 ft
Max Depth:	0.25 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

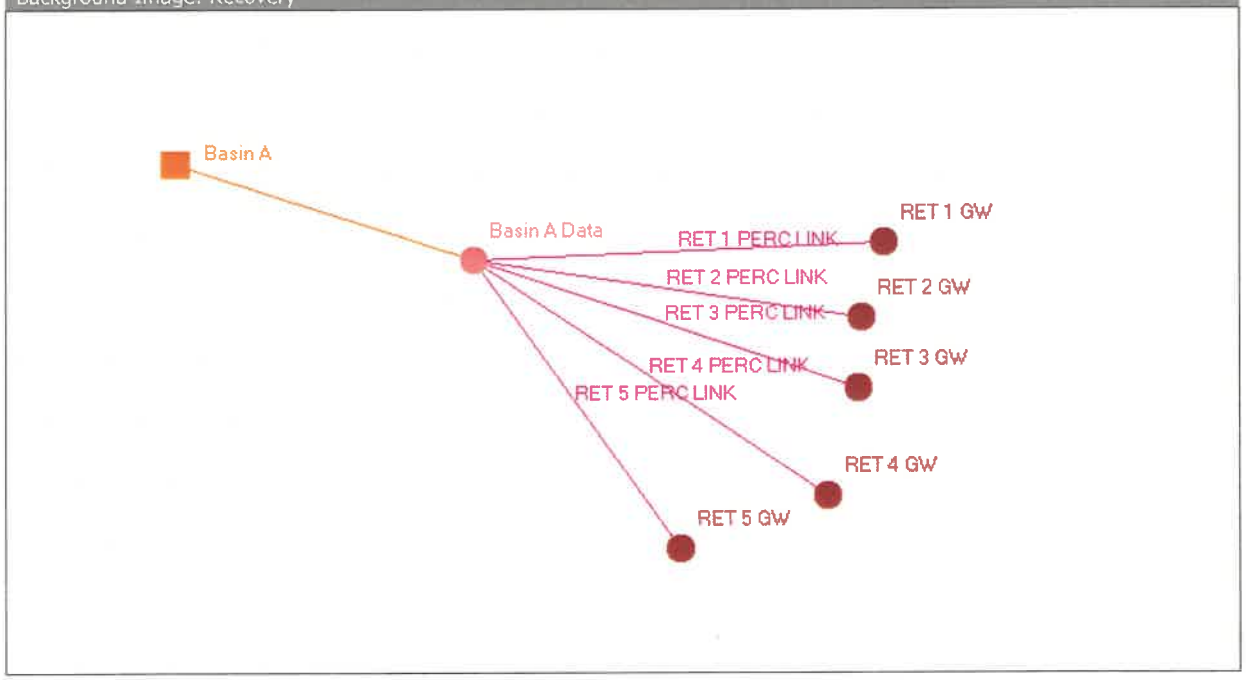
Weir Comment: BLEEDER

Drop Structure Comment:

Link Min/Max Conditions with Times [STANDARD Q]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
CS-1 - Pipe	10 YR 1 Day	0.28	0.00	0.00	0.00	0.00	18.7026	0.0000	11.9679	0.0000	0.0000
CS-1 - Weir: 1	10 YR 1 Day	0.28	0.00	0.00	0.00	0.00	18.6943	0.0000	11.9604	0.0000	0.0000
CS-1 - Pipe	25 YR 3 DAY	0.32	0.00	0.00	0.00	0.00	68.0930	0.0000	48.4195	0.0000	0.0000
CS-1 - Weir: 1	25 YR 3 DAY	0.32	0.00	0.00	0.00	0.00	68.0763	0.0000	48.4195	0.0000	0.0000

Background Image: Recovery



Simulation: RECOVERY SIM

Scenario: RECOVERY SIM
Run Date/Time: 4/13/2026 3:31:10 PM
Program Version: StormWise 4.08.03

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	72.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	60.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	60.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: site

Green-Ampt Set:
Vertical Layers Set:
Impervious Set: site

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft

Link Optimizer Tol: 0.0001 ft

IA Recovery Time: 24.0000 hr

Ia/S: 0.20 dec

Smp/Man Basin Rain Opt: No Rainfall

Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

Impervious: site [Set]

Land Cover Zone	% Impervious	% DCIA	% Direct	Ia/S [dec]	Ia Impervious [in]	Ia Pervious [in]
site	0.00	0.00	0.00	0.00	0.000	0.000

Curve Number: site [Set]

Land Cover Zone	Soil Zone	Curve Number [dec]
site	site	86.0

Manual Basin: Basin A

Scenario: RECOVERY SIM
Node: Basin A Data
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 2.3600 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
2.3600	site	site	

Comment:

Node: Basin A Data

Scenario: RECOVERY SIM
Type: Stage/Volume
Base Flow: 0.00 cfs
Initial Stage: 25.85 ft
Warning Stage: 99.00 ft
Alert Stage: 0.00 ft

Stage [ft]	Volume [ac-ft]	Volume [ft3]
22.50	0.00	0
22.75	0.00	0
23.00	0.00	0
23.25	0.00	0
23.50	0.01	436
23.75	0.02	871
24.00	0.04	1742
24.25	0.06	2614
24.50	0.09	3920
24.75	0.12	5227
25.00	0.15	6534
25.25	0.18	7841
25.50	0.22	9583
25.90	0.29	12632
26.00	0.30	13068
26.25	0.35	15246

Stage [ft]	Volume [ac-ft]	Volume [ft3]
26.50	0.40	17424
26.75	0.46	20038
27.00	0.54	23522
27.25	0.65	28314
27.50	0.82	35719
27.80	1.31	57064
28.05	1.89	82328
28.30	2.47	107593
28.55	3.05	132858
28.80	3.64	158558
29.05	4.22	183823
29.30	4.80	209088
29.55	5.38	234353
29.80	5.97	260053
30.05	6.55	285318

Comment:

Node Max Conditions w/ Times [RECOVERY SIM]

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
Basin A Data	RECOVERY SIM	99.00	0.00	25.85	-0.0014	0.00	95.93	7296	0.0000	0.0001	0.0000	0.0000

Node: RET 1 GW

Scenario: RECOVERY SIM
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 25.85 ft
Warning Stage: 999.00 ft
Alert Stage: 0.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	22.50
0	0	0	360.0000	22.50

Comment:

Node Max Conditions w/ Times [RECOVERY SIM]

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
RET 1 GW	RECOVERY SIM	999.00	0.00	22.50	0.0000	23.98	0.00	0	0.0000	0.0000	0.0000	0.0000

Node: RET 2 GW

Scenario: RECOVERY SIM
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 25.85 ft
Warning Stage: 999.00 ft
Alert Stage: 0.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	22.50
0	0	0	360.0000	22.50

Comment:

Node Max Conditions w/ Times [RECOVERY SIM]

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
RET 2 GW	RECOVERY SIM	999.00	0.00	22.50	0.0000	23.98	0.00	0	0.0000	0.0000	0.0000	0.0000

Node: RET 3 GW

Scenario: RECOVERY SIM
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 25.85 ft

Warning Stage: 999.00 ft
Alert Stage: 0.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	22.50
0	0	0	360.0000	22.50

Comment:

Node Max Conditions w/ Times [RECOVERY SIM]

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
RET 3 GW	RECOVERY SIM	999.00	0.00	22.50	0.0000	47.96	0.00	0	0.0000	0.0000	0.0000	0.0000

Percolation Link: RET 1 PERC LINK

Scenario: RECOVERY SIM
From Node: Basin A Data
To Node: RET 1 GW
Link Count: 1
Flow Direction: Both
Aquifer Base Elevation: 0.00 ft
Water Table Elevation: 22.50 ft
Annual Recharge Rate: 0 ipy
Horizontal Conductivity: 6.460 fpd
Vertical Conductivity: 6.460 fpd
Fillable Porosity: 0.200
Layer Thickness: 1.00 ft

Surface Area Option: User Specified
Bottom Elevation: 23.50 ft
Surface Area: 0.0500 ac
Vertical Flow Termination: Horizontal Flow Algorithm
Perimeter 1: 225.00 ft
Perimeter 2: 417.00 ft
Perimeter 3: 461.00 ft
Distance P1 to P2: 50.00 ft
Distance P2 to P3: 150.00 ft
# of Cells P1 to P2: 10
# of Cells P2 to P3: 15

Comment:

Percolation Link: RET 2 PERC LINK

Scenario: RECOVERY SIM
From Node: Basin A Data
To Node: RET 2 GW
Link Count: 1
Flow Direction: Both

Surface Area Option: User Specified
Bottom Elevation: 23.50 ft
Surface Area: 0.0500 ac
Vertical Flow Termination: Horizontal Flow Algorithm
Perimeter 1: 914.00 ft

Aquifer Base Elevation:	0.00 ft
Water Table Elevation:	22.50 ft
Annual Recharge Rate:	0 ipy
Horizontal Conductivity:	6.460 fpd
Vertical Conductivity:	6.460 fpd
Fillable Porosity:	0.200
Layer Thickness:	1.00 ft
Perimeter 2:	931.00 ft
Perimeter 3:	952.00 ft
Distance P1 to P2:	50.00 ft
Distance P2 to P3:	150.00 ft
# of Cells P1 to P2:	10
# of Cells P2 to P3:	15

Comment:

Percolation Link: RET 3 PERC LINK

Scenario:	RECOVERY SIM
From Node:	Basin A Data
To Node:	RET 3 GW
Link Count:	1
Flow Direction:	Both
Aquifer Base Elevation:	0.00 ft
Water Table Elevation:	22.50 ft
Annual Recharge Rate:	0 ipy
Horizontal Conductivity:	6.460 fpd
Vertical Conductivity:	6.460 fpd
Fillable Porosity:	0.200
Layer Thickness:	1.00 ft
Surface Area Option:	User Specified
Bottom Elevation:	23.50 ft
Surface Area:	0.1000 ac
Vertical Flow Termination:	Horizontal Flow Algorithm
Perimeter 1:	689.00 ft
Perimeter 2:	834.00 ft
Perimeter 3:	895.00 ft
Distance P1 to P2:	50.00 ft
Distance P2 to P3:	150.00 ft
# of Cells P1 to P2:	10
# of Cells P2 to P3:	15

Comment:

Sim	Node Name	Relative Time [hrs]	Stage [ft]
RECOVERY SIM	Basin A Data	0.0000	25.85
RECOVERY SIM	Basin A Data	1.0013	24.92
RECOVERY SIM	Basin A Data	2.0013	24.50
RECOVERY SIM	Basin A Data	3.0015	24.24
RECOVERY SIM	Basin A Data	4.0015	24.06
RECOVERY SIM	Basin A Data	5.0002	23.92
RECOVERY SIM	Basin A Data	6.0067	23.81
RECOVERY SIM	Basin A Data	7.0067	23.71
RECOVERY SIM	Basin A Data	8.0067	23.62
RECOVERY SIM	Basin A Data	9.0067	23.55
RECOVERY SIM	Basin A Data	10.0067	23.50
RECOVERY SIM	Basin A Data	11.0067	23.50
RECOVERY SIM	Basin A Data	12.0067	23.50
RECOVERY SIM	Basin A Data	13.0067	23.50
RECOVERY SIM	Basin A Data	14.0067	23.50
RECOVERY SIM	Basin A Data	15.0067	23.50
RECOVERY SIM	Basin A Data	16.0067	23.50
RECOVERY SIM	Basin A Data	17.0067	23.50
RECOVERY SIM	Basin A Data	18.0067	23.50
RECOVERY SIM	Basin A Data	19.0067	23.50
RECOVERY SIM	Basin A Data	20.0067	23.50
RECOVERY SIM	Basin A Data	21.0067	23.50
RECOVERY SIM	Basin A Data	22.0067	23.50
RECOVERY SIM	Basin A Data	23.0067	23.50
RECOVERY SIM	Basin A Data	24.0067	23.50
RECOVERY SIM	Basin A Data	25.0067	23.50
RECOVERY SIM	Basin A Data	26.0067	23.50
RECOVERY SIM	Basin A Data	27.0067	23.50
RECOVERY SIM	Basin A Data	28.0067	23.50
RECOVERY SIM	Basin A Data	29.0067	23.50
RECOVERY SIM	Basin A Data	30.0067	23.50
RECOVERY SIM	Basin A Data	31.0067	23.50
RECOVERY SIM	Basin A Data	32.0067	23.50
RECOVERY SIM	Basin A Data	33.0067	23.50
RECOVERY SIM	Basin A Data	34.0067	23.50
RECOVERY SIM	Basin A Data	35.0067	23.50
RECOVERY SIM	Basin A Data	36.0067	23.50
RECOVERY SIM	Basin A Data	37.0067	23.50
RECOVERY SIM	Basin A Data	38.0067	23.50
RECOVERY SIM	Basin A Data	39.0067	23.50
RECOVERY SIM	Basin A Data	40.0067	23.50
RECOVERY SIM	Basin A Data	41.0067	23.50

Sim	Node Name	Relative Time [hrs]	Stage [ft]
RECOVERY SIM	Basin A Data	42.0067	23.50
RECOVERY SIM	Basin A Data	43.0067	23.50
RECOVERY SIM	Basin A Data	44.0067	23.50
RECOVERY SIM	Basin A Data	45.0067	23.50
RECOVERY SIM	Basin A Data	46.0067	23.50
RECOVERY SIM	Basin A Data	47.0067	23.50
RECOVERY SIM	Basin A Data	48.0067	23.50
RECOVERY SIM	Basin A Data	49.0067	23.50
RECOVERY SIM	Basin A Data	50.0067	23.50
RECOVERY SIM	Basin A Data	51.0067	23.50
RECOVERY SIM	Basin A Data	52.0067	23.50
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RECOVERY SIM	Basin A Data	64.0067	23.50
RECOVERY SIM	Basin A Data	65.0067	23.50
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RECOVERY SIM	Basin A Data	67.0067	23.50
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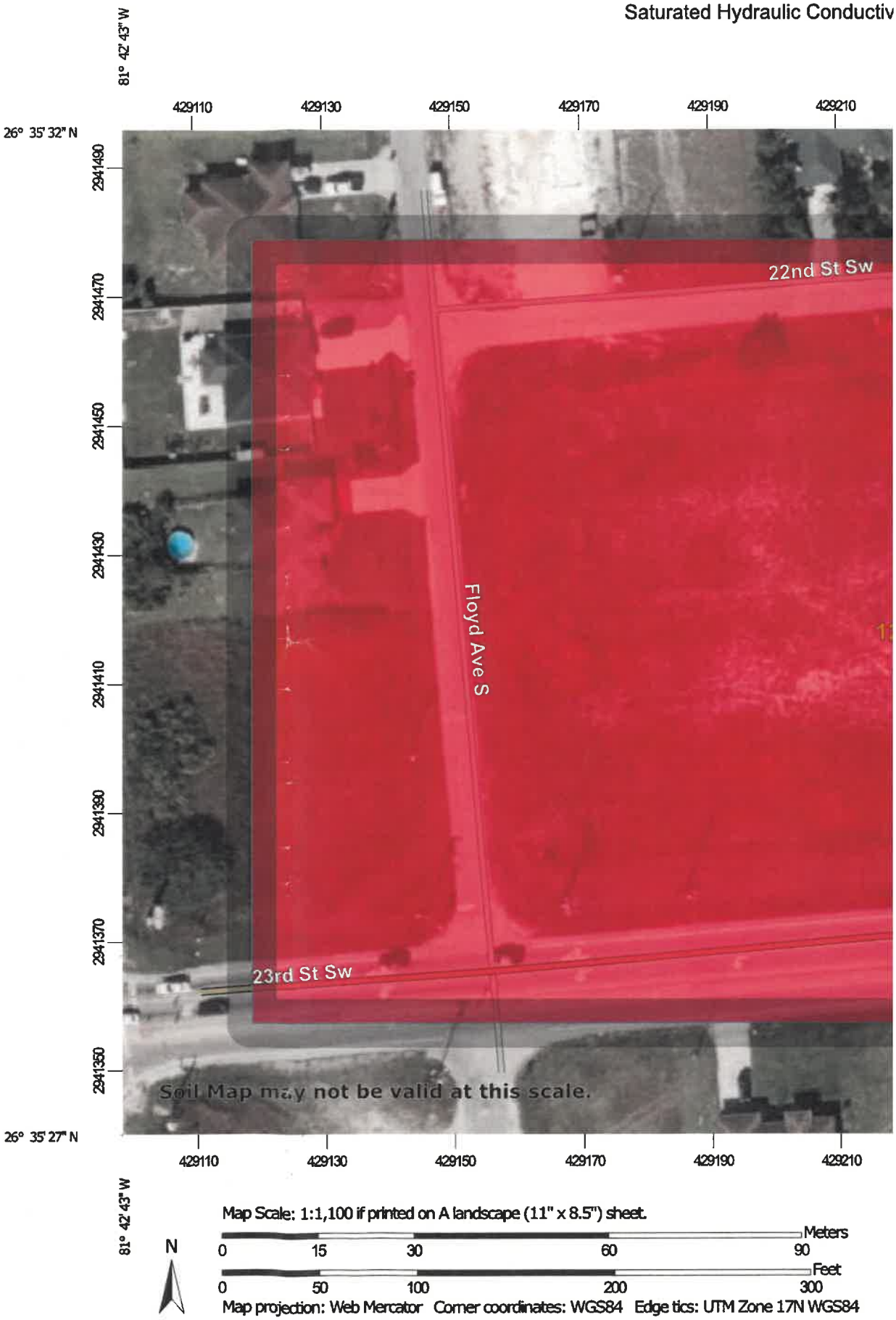
RECOVERY SIM	Basin A Data	69.0067	23.50
RECOVERY SIM	Basin A Data	70.0067	23.50
RECOVERY SIM	Basin A Data	71.0067	23.50
RECOVERY SIM	Basin A Data	72.0067	23.50



Natural Resources Conservation Service

Web So
National Cooper

MAP LEGEND

Area of Interest (AOI)

Area of Interest (AOI)

Soils

Soil Rating Polygons

= 47.5488

Not rated or not available

Soil Rating Lines

= 47.5488

Not rated or not available

Soil Rating Points

= 47.5488

Not rated or not available

Water Features

Streams and Canals

Transportation

Rails

Interstate Highways

US Routes

Major Roads

Local Roads

Background

Aerial Photography

attribute for the component. For this soil property, only the representative value is used.

The numeric Ksat values have been grouped according to standard Ksat class limits.

Rating Options

Units of Measure: micrometers per second

Aggregation Method: Dominant Component

Component Percent Cutoff: None Specified

Tie-break Rule: Fastest

Interpret Nulls as Zero: No

Layer Options (Horizon Aggregation Method): All Layers (Weighted Average)

FLORIDA DEPARTMENT OF
Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Ron DeSantis
Governor

Jay Collins
Lt. Governor

Alexis A. Lambert
Secretary

SELF-CERTIFICATION FOR A STORMWATER MANAGEMENT SYSTEM IN UPLANDS SERVING LESS THAN 10 ACRES OF TOTAL PROJECT AREA AND LESS THAN 2 ACRES OF IMPERVIOUS SURFACES

Owner(s)/Permittee(s):	Lee County Electric Cooperative (LCEC)
File No:	0471927001EG
File Name:	COMMERCIAL CONSTRUCTION
Site Address:	4307 22nd St SW Lehigh Acres FL - 33976 3218
County:	Lee
Latitude:	26° 35' 30.5356"
Longitude:	-81° 42' 39.1205"
Total Project Area:	2.36
Total Impervious Surface Area:	1.69
Approximate Date of Commencement of Construction:	07/20/2026
Registered Florida Professional:	Kevin Conor
License No.:	101582
Company:	Avalon Engineering, Inc.

Date: May 18, 2026

Kevin Conor certified through the Department's Enterprise Self-Service Application portal that the project described above was designed by the above-named Florida registered professional to meet the following requirements:

(a)The total project area involves less than 10 acres and less than 2 acres of impervious surface;
(b)Activities will not impact wetlands or other surface waters;
(c)Activities are not conducted in, on, or over wetlands or other surface waters;
(d)Drainage facilities will not include pipes having diameters greater than 24 inches, or the hydraulic equivalent, and will not use pumps in any manner;
(e)The project is not part of a larger common plan, development, or sale; and
(f)The project does not:

1.Cause adverse water quantity or flooding impacts to receiving water and adjacent lands;
2.Cause adverse impacts to existing surface water storage and conveyance capabilities;
3.Cause a violation of state water quality standards; or
4.Cause an adverse impact to the maintenance of surface or ground water levels or surface water flows established pursuant to s. 373.042 or a work of the district established pursuant to s. 373.086, F.S.

This certification was submitted before initiation of construction of the above project. The system is designed, and will be operated and maintained in accordance with applicable rules adopted pursuant to part IV of chapter 373, F.S. There is a rebuttable presumption that the discharge from such system will comply with state water quality standards.Therefore, construction, alteration, and maintenance of the stormwater management system serving this project is authorized in accordance with s.403.814(12), F.S.

In accordance with s. 373.416(2), F.S., if ownership of the property or the stormwater management system is sold or transferred to another party, continued operation of the system is authorized only if notice is provided to the Department within 30 days of the sale or transfer.This notice can be submitted to:

FDEP South District
2295 Victoria Ave
Ft. Myers, FL33901

This certification was submitted along with the following electronic documents:

File Description
Civil Plans
Stormwater Report
SWPPP
USWMP
Stormwater Report P2

If you have submitted this certification as a Florida Registered Professional, you may wish to sign and seal this certification, and return a copy to the Department, in accordance with your professional practice act requirements under Florida Statutes.

I, Kevin Conor, License No. 101582, do hereby certify that the above information is true and accurate, based upon my knowledge, information and belief. In the space below, affix signature, date, seal, company name, address and certificate of authorization (if applicable).



Digitally signed by
Kevin C Conor
Date: 2026.05.18
16:40:11-04'00'

Kevin C. Conor, Professional Engineer, State of Florida, License No. 101582. This item has been digitally signed and sealed by Kevin C Conor, P.E. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

This sealed certification may be submitted to the Department, either electronically (as an attachment in Adobe PDF or other secure, digital format) at FTMERP_Compliance@FloridaDEP.gov, or as a hardcopy, at the postal address below:

FDEP South District
2295 Victoria Ave
Ft. Myers, FL33901

PART IV #26-87

Recommended Action

Engineering Review:

By: _____ 6/16/2026 **Approved** _X_ **Denied** __

District Field Review:

By: _____ **Approved** ___ **Denied** ___

District Manager: _____ **Date**: _____

Comments:

The referenced permit application for LCEC Gunnery Rd. Substation at 4307 22nd St SW., in Lehigh Acres, submitted by Avalon Engineering, Inc., has been reviewed and is recommended for approval with the following stipulations/comments:

1. On sheet 8, the northeast berm section varies between 27.1' – 27.5'. Please revise plans and adjust berm elevation above the 25Y-72H flood water elevation (27.80').

2. The permittee shall submit signed and sealed record drawings within thirty (30) days of project completion. The drawings must include sufficient detail to demonstrate that the permitted facilities have been constructed in substantial compliance with LA-MSID–approved plans and design.

3. Prior to commencing construction, the permittee shall provide LA-MSID with copies of all applicable permits from other governing agencies.

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

AGENDA ITEM SUMMARY

Subject: PER #26-88 – Taco Bell – Parcel #14 Blackstone Corp Park

Meeting Date: July 20, 2026

Agenda Item # 2E

[x] **CONSENT** [ ] **ACTION** [ ] **OLD BUSINESS** [ ] **NEW BUSINESS**

Request Initiated By: [ ] **COMMISSIONER** _____ [ ] **ATTORNEY**

[ ] **BOARD** [x] **MANAGER** [ ] **ENGINEER** [ ] **AUDITOR**

Recommended motion: Move to approve PER #26-88 – Taco Bell – Parcel #14 Blackstone Corp Park, with any listed stipulations.

What the action accomplishes: Allows Taco Bell, to build a commercial site on Parcel #14 of Blackstone Corp Park, while certifying on their plans that their stormwater facilities are adequate and able to discharge less than 30 CSM.

Fiscal Impact: Permit Fees: $1,750.00

Staff comments: Approved according to the plans submitted May 21, 2026.

Staff review and recommended approval:

[x] **MANAGER** [ ] **ASSISTANT DISTRICT MGR**

[ ] **ATTORNEY** [ ] **FIELD SUPERINTENDENT**

[x] **ENGINEER** [x] **CONTROLLER**

Board Action:

[ ] **APPROVED** [ ] **DENIED** [ ] **DEFERRED**

LEHIGH ACRES - MUNICIPAL SERVICES IMPROVEMENT DISTRICT PERMIT

THIS PERMIT is granted this 20th day of July, 2026, by Lehigh Acres Municipal Services Improvement District (hereinafter referred to as "DISTRICT"), 601 East County Lane, Lehigh Acres, Florida 33936, to Taco Bell of America, LLC, 1 Glen Bell Way, Irvine, CA 92618, hereinafter referred to as the "Permittee") as a non-exclusive permit for a proposed drive thru restaurant on 0.75 acres (Parcel #14) located in the Blackstone Corp. Park, with a drainage connection to the Master Drainage System approved under the LAMSID Master Drainage Permit #25-40(M2), that has an approved outfall to Gecko Canal (57-20-3), in Lehigh Acres, FL.

W I T N E S S E T H:

1. In the event the DISTRICT is not the fee title owner of the real property (the "Property") to which this Permit is applicable, the Permittee agrees, prior to commencement, to obtain all necessary consents from the fee title owners of the Property.

2. This Permit does not constitute a waiver of the necessity by the Permittee to obtain such other necessary and appropriate permits required by other governmental bodies or agencies; therefore the Permittee, prior to commencement, is required to obtain any and all other applicable federal, state, and local permits required in connection with Permittee's use of the Property and agrees that at all times it will comply with the requirements of all federal, state and local laws, ordinances, rules and regulations applicable or pertaining to the use of the Property by the Permittee.

3. Permittee understands and agrees that the use of the Property pursuant to this Permit is subordinate to the rights and interests of the DISTRICT and to the extent applicable that of the fee title owner of the Property. Further, Permittee does hereby stipulate that the Permittee is not relying upon any representations whatsoever by the DISTRICT regarding the DISTRICT'S right, title, interest, or ownership as to the Property for which this Permit is applicable.

4. The Permittee, by accepting this permit, specifically agrees to allow authorized District Personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:
    a. Having access to and copying any records that must be kept under the conditions of the permit:
    b. Reviewing the facility, equipment, practices, or operations regulated or required under this permit; and
    c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or District rules.

5. The DISTRICT specifically reserves the right to maintain its facilities located over, under or upon the Property; to make improvements; add additional facilities; maintain, construct or alter its roads; maintain any facilities, devices, or improvements on the Property which aid in or are necessary to the DISTRICT'S operation; and the right to enter upon the Property at all times for such purposes. Permittee understands that in the exercise of such rights and interest, the DISTRICT may require Permittee, at no cost to DISTRICT, to relocate, alter, or remove the Permittee's facilities and equipment or other improvements made by Permittee pursuant to this Permit which interfere with or prevent the DISTRICT, in the DISTRICT'S opinion, from properly and faithfully constructing, improving and maintaining its facilities. If the Permittee should fail to relocate, alter, or remove the Permittee's facilities, equipment or other improvements made by the Permittee pursuant to this Permit within a reasonable time period following receipt of notice from the DISTRICT requesting same, then in that event the DISTRICT shall have the right to enter upon the lands and make such relocation, alterations or removal of the Permittee's facilities, equipment/or other improvements at no cost to DISTRICT.

6. Permittee agrees that it will not use the Property in any manner which interferes with the DISTRICT'S use of the Property or causes a hazardous condition to exist.

7. The DISTRICT assumes no responsibility for the ownership, operation and/or maintenance of the Permittee's facilities as permitted herein.

8. The Permittee agrees to backfill any excavation it makes within the Property and to repair or replace (i) any below-grade authorized facilities and features located therein, including but not limited to: water, sewer, stormwater or irrigation facilities, structures or appurtenances and (ii) as to at or above-grade facilities and features, this requirement shall only be applicable to grasses and sod, sidewalks, and roadway improvements (the term roadway improvements shall include but not be limited to curbing, roadway base, sub grade and asphaltic or concrete surfaces) which are removed or damaged as a direct result of said excavation. Such repair or replacement shall substantially restore these features to their condition as it existed immediately prior to the event precipitating the excavation.

9. All below-grade Permittee installations, including water and sewer lines, whether sub aqueous or not, together with appurtenant facilities, shall be located underground and have a minimum ground cover of thirty inches (30") below original design profile grade, including District waterways and roadways.

10. All Permittee activity related to sub aqueous utility, water and/or sewer lines, including appurtenant facilities, shall be conducted in such fashion that the primary functional purpose of the canal or lake body facility, specifically flood control, within which the activity is taking place is not adversely affected. More specifically, sub aqueous construction shall conform to the criteria given in the Lehigh Acres Municipal Services Improvement District (Lehigh Acres – MSID) Administrative Policy and Procedures.

11. Permittee shall, at no expense to DISTRICT and within a reasonable time following notice, adjust the positions and elevations of its facilities as may be required in connection with future improvements to, or construction of, works of the DISTRICT.

12. Permittee does hereby indemnify and hold harmless the DISTRICT, its Board of Commissioners, officers, personnel, and it's Engineers against any claims, losses, damages (including consequential), expenses, or legal fees that might arise out or result from the implementation of the proposed project by the Permittee or that may be caused by a failure of DISTRICT facilities or property.

13. The Permittee shall be obligated at the time of submission of its Permit application, to provide a detail of any other existing improvements located over, under, upon or through the Property and the Permittee's accompanying plans and specifications shall clearly indicate how the Permittee will comply with required clearances between the requested permitted activity and existing improvements located over, under and upon the Property, including compliance with other permitted users duly adopted and published standards.

14. Permittee shall reimburse the DISTRICT for its legal, engineering and other expenses incurred as a result of the implementation of the proposed project.

15. If Permittee should violate any of the terms or conditions of the Permit and shall not correct or remedy same within ten (10) days of receiving written notice of said violation from the DISTRICT, then in that event, the DISTRICT may, at its option, revoke, cancel and terminate this Permit.

16. This Permit may not be assigned by the Permittee without the prior written approval of the DISTRICT.

17. Unless otherwise adjusted, modified or terminated as set forth hereinabove, including the Conditions attached hereto, this Permit shall continue in full force and effect so long as Permittee complies with the terms of this Permit.

18. In any litigation, including breach, enforcement or interpretation arising out of this Permit, the prevailing party to this Permit shall be entitled to recover reasonable attorney's fees, costs and expenses related to said action from the non-prevailing party.

19. That attached hereto are Supplemental Conditions to this Permit which are incorporated herein and made a part hereof.

LEHIGH ACRES – MUNICIPAL SERVICES IMPROVEMENT DISTRICT

BY: _____

NAME TYPED: David E. Lindsay

TITLE: District Manager

SUPPLEMENTAL CONDITIONS TO PERMIT NO. 26-88

A. GENERAL CONDITIONS

1. Notification shall be given by the Permittee to the District Engineer, AIM Engineering, at 239-332-4569 forty-eight (48) hours prior to commencement of the permitted activity. The District Engineer shall establish points of construction, if applicable, which will require inspection by the District Engineer prior to construction of the permitted activity. When the Permittee considers the permitted activity complete, the Permittee shall notify the District Engineer and schedule an on-site final inspection which shall be held in the presence of a representative of the Permittee and the District Engineer.

2. The permitted activity shall be implemented, constructed and/or installed in full accordance with the approved plans and specifications within six (6) full calendar years from the date of permit approval. Deviations from the approved plans or specifications shall be coordinated with and approved by the District Engineer prior to implementation of any such deviation.

3. When working in a District road right-of-way, not more than one-half (½) of the road or street shall be closed and traffic shall be controlled so as to provide for the safety and minimum hindrance to the public. All traffic control operations shall conform to the most current issue of the Florida Department of Transportation publication "Manual on Traffic Controls and safe Practices for Street and Highway Construction, Maintenance and Utility Operations."

4. The District Engineer shall be the final authority as to the quality and quantity of the material and works required to satisfy the terms and conditions of this Permit as they relate to District improvements and facilities.

5. Upon completion of the permitted activity and after its final review and acceptance by the District Engineer THE PERMITTEE SHALL DELIVER TO THE DISTRICT OFFICE ONE COMPLETE SET OF THE FINAL "RECORD DRAWINGS." FAILURE TO PROVIDE THE FINAL RECORD DRAWINGS MAY RESULT IN THE REVOCATION, CANCELLATION AND TERMINATION OF THIS PERMIT.

6. The above Conditions shall be continuing obligations of the Permittee and shall be complied with in the event of any subsequent maintenance, repair, replacement or modification of the permitted improvement.

Stipulations:

1). Permit #26-88 is approved according to the site plans submitted May 20th, 2026 and the master drainage plans and calculations approved under Permit #25-40 (M2).

2). Maintenance of the entire master on-site storm water management system and outfall connection is the responsibility of the Permittee and any Master Associations established within the Blackstone Corporation Park.

3). Any disturbed canal right-of-way must be restored with sod and maintained until fully established. Seeding will not be permitted.

4). An "As-Built" survey showing the completed improvements (including perimeter berm, pipe inverts, finished floor elevations and all drainage structure elevations) must be submitted to Lehigh Acres - MSID within 30 days following completion of the improvements.

5). Permittee shall obtain any other permits required by EPA, FDEP, SFWMD, FDOT and Lee County prior to starting construction and submit a copy to LA-MSID.

05 - 20 - 26

26 - 88

APPLICATION FOR A PERMIT

*Note: The review of permit applications will be conducted per the Lehigh Acres Municipal Services Improvement District's Administrative Policy and Procedures

AGENT NAME: **PHONE #:** ( ) -

PROJECT NAME: Taco Bell Blackstone

TOTAL ACREAGE: 0.75

Property Address (STRAP associated with this address will be used as the primary STRAP for this project):					
Mailing Address:	TBD				
City:	Lehigh Acres	**State:**	FL	**Zip:**	33913

STRAP NUMBERS (*attach additional sheet if necessary*):

2	0	-	4	5	-	2	7	-	7	2	-	0	0	0	5	1	-	0	0	0	0

Brief description of proposed project:

Application for: The proposed project consists of a Taco Bell with a drive-through located on Parcel 14 within the Blacskstone Corporate Park Master Development.

Is the project proposed to be developed in phases? Yes No

Estimated # of Phases:		
***Permit Fee:**	$ 4,000.00	**(to be verified by staff)**

* See Administrative Policy and Procedures Sections 4.15 – 4.17 for current Permit Fee Amount.

PART II

OWNER/APPLICANT/ DEVELOPER INFORMATION

A.

Name of Applicant	Taco Bell of America, LLC						
Mailing Address:	**Street:**	1 Glen Bell Way					
City:	Irvine	**State:**	CA		**Zip:**	92618	
Phone No.	**Area Code:**	818	**Number:**	836-1782	**Ext.**		
Fax No.	**Area Code:**		**Number:**	-			
E-mail Address:	hayley.mallon@yum.com						

B. **Relationship of applicant to property*:**

Owner* **Trustee*** **Option holder*** **Lessee***

Contract Purchaser* **Other (indicate)***

C.

Name of Developer:						
Mailing Address:	**Street:**					
City		**State:**			**Zip:**	
Phone No.	**Area Code:**	( )	**Number:**	-	**Ext.**	
Fax No.	**Area Code:**	( )	**Number:**	-		
E-mail Address:						

D.

Name of Authorized Agent(s):	Bianca Moreschi -Bohler, LLC dba Bohler PLACES, LLC				
Mailing Address:	Street:	600 North Westshore Blvd., Suite 950			
City	Tampa	State:	FL	Zip:	33609
Phone No.	Area Code: (813)	Number:	812-4100	Ext.	
Fax No.	Area Code: ( )	Number:	-		
E-mail Address:	fl-permits@bohlereng.com				

E.

Name of Property Owner:	Taco Bell of America, LLC				
Mailing Address:	Street:	1 Glen Bell Way			
City	Irvine	State:	CA	Zip:	92618
Phone No.	Area Code: (818)	Number:	836-1782	Ext.	
Fax No.	Area Code: ( )	Number:	-		
E-mail Address:					

*A disclosure of the name of all persons or entities having an ownership interest in the property is required (attached).

PART III

DISCLOSURE OF OWNERSHIP INTEREST FORM FORM:

20 - 45 - 27 - 72 - 00051 - 0000

PRIMARY STRAP NUMBER:

1. If the property is owned in the fee simple by an **INDIVIDUAL**, tenancy by the entirety, tenancy in common, or joint tenancy, list all parties with an ownership interest as well as the percentage of such interest.

Name and Address	Percentage of Ownership

2. If the property is owned by a **CORPORATION**, list the officers and stockholders and the percentage of stock owned by each.

Name, Address, Office	Percentage of Stock

3. If the property is in the name of a **TRUSTEE**, list the beneficiaries of the trust with percentages of interest.

Name and Address	Percentage of Interest

4. If the property is in the name of a **GENERAL PARTNERSHIP OR LIMITED PARTNERSHIP**, list the names of general and limited partners.

Name and Address	Percentage of Interest

5. If there is a **CONTACT FOR PURCHASE**, whether contingent on this application Or not, and whether a Corporation, Trustee, or Partnership, list the names of the contract purchasers below, including the officers, stockholders, beneficiaries, or partners.

Name and Address	Percentage of Interest

Date of Contract (mm/dd/yy): / /

6. If any contingency clause or contract terms involve additional parties, list all individuals or officers, if a corporation, partnership, or trust.

Name and Address	Percentage of Interest

For any changes of ownership of changes in contracts for purchase subsequent to the date of the application, but prior to the date of final certificate for compliance, a supplemental disclosure of interest must be filed.

The above is a full disclosure of all parties of interest in this application, to the best of my knowledge and belief.

SIGNATURE OF APPLICANT

Thayley Nelson

PRINTED OR TYPED NAME OF APPLICANT

STATE OF ~~FLORIDA~~ DT California

COUNTY OF ~~LEE~~ DT Los Angeles

The foregoing instrument was acknowledged before me this 10 day of April (m), 2026 (y), by _____ who is personally know to me or has produced California Driver licence as identification.

See Attached for Notary Seal

SIGNATURE OF NOTARY PUBLIC

ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California
County of Los Angeles)

On 04/10/2026 before me, Darius Talley, Notary Public
(insert name and title of the officer)

personally appeared Hayley Elizabeth Mallon,
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

DARIUS TALLEY
COMM. #2485288
NOTARY PUBLIC - CALIFORNIA
LOS ANGELES COUNTY
My Comm. Expires MARCH 24, 2028

Signature Darius Talley (Seal)

PRINTED NAME OF NOTARY PUBLIC

PART IV

EXPLANATION

All Permit Application sections must be completed and submitted.

Permit Application fees and submittal items (see Part VI) must be submitted with the application.

Any and all work involving the lands and/or facilities of the District shall not commence without a Board approved permit.

All set policies, procedures, technical requirements, and fee schedules can be found and reviewed in the 'Administrative Policy and Procedures Guide'. The Guide is available at the District Office located at 601 East County Lane, Lehigh Acres, FL or online at la-msid.com/.

PART V

PROFESSIONAL CONSULTANT FORM

ATTORNEY

Name:							
Mailing Address:							
City:		State:				Zip:	
Business No.	Area Code:	( )	Number:		-	Ext.	
Other Contact:							

ENGINEER

Name:	Kyle Morel						
Mailing Address:	600 North Westshore Blvd., Suite 950						
City:	Tampa	State:	FL			Zip:	33609
Business No.	Area Code:	( )	Number:	813-8124100		Ext.	
Other Contact:							

OTHER REPRESENTATIVE/PROFESSIONAL

Name:							
Mailing Address:							
City:		State:				Zip:	
Business No.	Area Code:	( )	Number:		-	Ext.	
Other Contact:							

PART VI

SUBMITTALS

NO. OF COPIE		SUBMITTAL DOCUMENT
SUB'D	REQ'D	
		ITEMS REQUIRED FOR INITIAL SUBMITTA
	2	**Construction/Development Plans** signed and sealed by a L Florida Professional Engineer including: 1. Location map showing the location of the proposed project in re adjacent streets and LA-MSID facilities. 2. Details of proposed works that fully communicate the work and desired (i.e. Existing Conditions Survey, Proposed Site Plan, Pavi Grading & Drainage Plan, Cross Sections, Element Details, and I Control Plan sheets). 3. Sufficient survey data to determine elevations, property and ROV limits of existing and proposed conditions, and notation of utiliz vertical datum (NAVD/NGVD).

	2	**Stormwater Drainage Calculations** signed and sealed by a L Florida Professional Engineer including, but not limited to, co stormwater routing modeling data (ICPR4, Cascade, etc.) to ve compliance with the Design Criteria (input summary data belo **Water Quality Volume (Required):** _____(AC **Water Quality Volume (Provided):** _____(AC **Control Elevation:** _____(FT-N **Minimum Road/Parking Elevation:** _____(FT-N *(above the 10-year, 1-day design storm peak stage elevation)* **Minimum Perimeter Berm Elevation:** _____(FT-N *(above the 25-year, 3-day design storm peak stage elevation)* **Minimum Finished Floor Elevation:** _____(FT-N *(above the 100-year, 3-day design storm peak stage elevation ar previously experienced high-water levels external to project)*
	2	**Flash Drive / CD** containing plans in both AutoCAD (.dwg drawn in "State Plane Coordinates") and PDF formats.
	2	**Permit Application** (PARTS I & II)
	2	**Disclosure of Owner Form (signed and notarized)** (PART
	2	**Professional Consultant Form & Submittals** (PARTS V &
	2	**Copy of Approved FDEP Notice of Intent (NOI)** for all s (1) acre and greater in size.
	2	**Copy of approved SWFMD permit,** for all sites required to permit, **or FDEP "10/2 Self-Certification"** approval.
	1	**Check for appropriate Permit Fees** made out to LA-MSID.

090

BOHLER FL
TAMPA LOCAL ACCOUNT
600 NORTH WESTSHORE BLVD SUITE 950
TAMPA FLORIDA 33609

DATE 04/20/2026 1-2/210

PAY TO THE ORDER OF Lehigh Acres - MSID $ 1,500.00

one Thousand Five Hundred and 00/100 DOLLARS

CHASE
JPMorgan Chase Bank, N.A.
www.Chase.com

FOR Drainage Permit-Taco Bell Blackstone

Details on back
Security Features

⑈000090⑈ ⑆021000021⑆ 917601327⑈

Permit # 26-88

RECEIVED
MAY 20 2026
LEHIGH ACRES
MUNICIPAL SERVICES
IMPROVEMENT DISTRICT

LETTER OF AUTHORIZATION

To Whom It May Concern:

This letter authorizes Bohler, LLC dba as Bohler PLACES, LLC to act on behalf of Taco Bell of America, LLC to sign and notarize, in regards to permits and applications for site plan approval through Lee County, as well as but not limited to all regulatory agencies, departments and governmental agencies of SFWMD, FGUA, Lehigh Acres – Municipal Services Improvement District, and FDOT necessary for the construction and development of a proposed commercial development, located at Southwest Corner of SR 82 & Black Stone Drive Lehigh Acres, FL 33913

Signature: _____

Hayley Mallon
Name (printed)

STATE OF ~~FLORIDA~~ CA California
COUNTY OF ~~Brevard~~ Los Angeles

The foregoing instrument was acknowledged before me by means of [✓] physical presence or [_] online notarization this (numeric date) day of (month), (year), by (name of person) as (type of authority, e.g. officer, trustee, attorney in fact) for (name of party on behalf of whom instrument was executed).

April 10, 2026
Darius Talley Notary Public
Hayley Elizabeth Mallon

_____
Notary Public

Darius Talley
Print Name
Commission No. 2485283
Expiration Date: March 24, 2028

See Attached
for Notary Seal

ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California
County of Los Angeles)

On 04-10-2026 before me, Darius Talley, Notary Public
(insert name and title of the officer)

personally appeared Hayley Elizabeth Mallon,
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

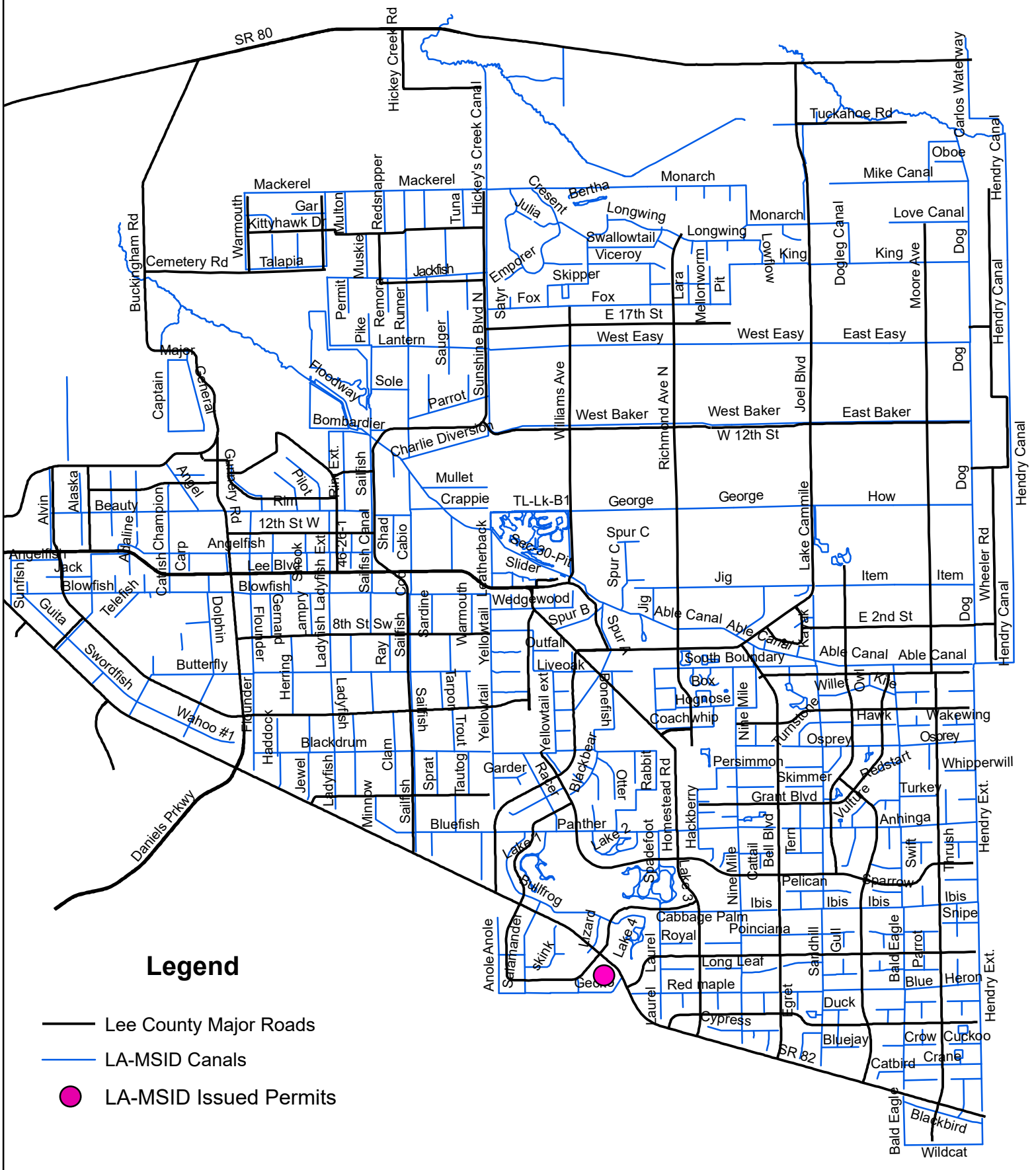
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

DARIUS TALLEY
COMM. #2485283
NOTARY PUBLIC - CALIFORNIA
LOS ANGELES COUNTY
My Comm. Expires MARCH 24, 2028

Signature _____ (Seal)

Permit # 2026-88



Legend

- Lee County Major Roads
- LA-MSID Canals
- LA-MSID Issued Permits

SITE DEVELOPMENT PLANS

FOR

PROPOSED

TACO BELL - BLACKSTONE

SOUTHWEST CORNER OF BLACKSTONE DRIVE & STATE ROAD 82

LEHIGH ACRES, FL 33913

SECTION 20, TOWNSHIP 45, RANGE 27 EAST

PID: 20-45-27-72-00051.0000 / FOLIO: 10422161

SITE #: 318123

STORE #: 470135

BUILDING TYPE: KITCHEN-X 3.0



LOCATION MAP

SCALE: 1" = 1000'

REFERENCES AND CONTACTS

REFERENCES

♦BOUNDARY & TOPOGRAPHIC SURVEY:
BOHLER
1900 NW CORPORATE BLVD; SUITE 101E
BOCA RATON, FL 33431
DATED: 01/30/2026
ELEVATIONS: NAVD88

♦GEOTECHNICAL INVESTIGATION REPORT:
PROFESSIONAL SERVICE INDUSTRIES, INC.
5801 BENJAMIN CENTER DRIVE
TAMPA, FLORIDA 33634
PSI PROJECT NO.: 0775-3960
DATED: 02/17/2026

♦ARCHITECTURAL PLAN:
GPD GROUP
1801 WATERMARK DRIVE, SUITE 210
COLUMBUS, OH 43215

♦MASTER DEVELOPMENT PLAN:
BLACKSTONE CORPORATE PARK PLANS
ATWELL, L.L.C.
10511 SIX MILE CYPRESS PARKWAY, SUITE 101
FORT MYERS, FL 33966
PHONE: (239) 939-5490
DATED: 2026-02-09

GOVERNING AGENCIES

♦PLANNING, ZONING COMMITTEE
LEE COUNTY PLANNING & ZONING
1500 MONROE ST
FORT MYERS, FL 33901
PHONE: (239) - 533 - 8329

♦BUILDING DEPARTMENT
LEE COUNTY BUILDING DEPARTMENT
1825 HENDRY STREET #2
FORT MYERS, FL 33901
PHONE: (239) - 533 - 8329

♦FIRE DEPARTMENT
11 HOMESTEAD RD SOUTH
LEHIGH ACRES, FL 33936
PHONE: (239) - 303 - 5300

ROW JURISDICTION

♦WATER & SEWER
FLORIDA GOVERNMENTAL UTILITIES AUTHORITY - LEHIGH
510 CO RD 466 #104-A
LADY LAKE, FL 32159
PHONE: (352) 633-9700

♦TRANSPORTATION & DRAINAGE
FDOT DISTRICT 1
801 N BROADWAY AVENUE
BARTOW, FL 33830
PHONE: (800) - 292 - 3368

SOUTH FLORIDA WATER MANAGEMENT DISTRICT
3301 GUN CLUB RD
WEST PALM BEACH, FL 33406
PHONE: (561) 686-8800

THE ABOVE REFERENCED DOCUMENTS ARE INCORPORATED BY REFERENCE AS PART OF THESE PLANS, HOWEVER, BOHLER ENGINEERING DOES NOT CERTIFY THE ACCURACY OF THE WORK REFERENCED OR DERIVED FROM THESE DOCUMENTS, BY OTHERS.

LEGAL DESCRIPTION

THE LAND REFERRED TO HEREIN BELOW IS SITUATED IN THE COUNTY OF LEE, STATE OF FLORIDA, AND IS DESCRIBED AS FOLLOWS:

A PORTION ("PORTION") OF THE LAND DESCRIBED AS:

PARCEL 51, UNITS 72 AND 73 OF MIRROR LAKES, SECTIONS 19 AND 20, TOWNSHIP 45 SOUTH, RANGE 27 EAST, LEHIGH ACRES, ACCORDING TO THE PLAT THEREOF RECORDED IN PLAT BOOK 27, PAGES 159 AND 160, PUBLIC RECORDS OF LEE COUNTY, FLORIDA.
LOT 14, BLACKSTONE CORPORATE PARK, ACCORDING TO THE PLAT THEREOF RECORDED IN PLAT BOOK __, PAGE __, OF THE PUBLIC RECORDS OF LEE COUNTY, FLORIDA BEING FURTHER DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHEAST CORNER OF PARCEL 51, UNIT 73, MIRROR LAKES, ACCORDING TO THE PLAT THEREOF RECORDED IN PLAT BOOK 27, PAGE 83, OF THE PUBLIC RECORDS OF LEE COUNTY, FLORIDA; THENCE RUNNING ALONG THE EAST LINE OF SAID PARCEL 51 ALSO BEING THE WEST RIGHT-OF-WAY LINE OF STATE ROAD 82 (200 FEET WIDE), NORTH 25°07'23" EAST, FOR A DISTANCE OF 96.33 FEET TO THE POINT OF BEGINNING; THENCE DEPARTING SAID COMMON LINE; SOUTH 56°52'55" WEST, FOR A DISTANCE OF 237.81 FEET; THENCE NORTH 57°04'35" WEST, FOR A DISTANCE OF 1.19 FEET; THENCE 17.46 FEET ALONG THE ARC OF A CURVE TO THE RIGHT, HAVING A RADIUS OF 40.00 FEET, A CENTRAL ANGLE OF 025°00'22", A CHORD BEARING AND DISTANCE OF NORTH 44°34'24" WEST, 17.32 FEET; THENCE NORTH 32°04'13" WEST, FOR A DISTANCE OF 113.00 FEET; THENCE NORTH 56°52'55" EAST, FOR A DISTANCE OF 258.07 FEET TO A POINT ON THE AFOREMENTIONED COMMON LINE; THENCE RUNNING ALONG SAID COMMON LINE, SOUTH 25°57'23" EAST, FOR A DISTANCE OF 132.33 FEET TO THE POINT OF BEGINNING.

CONTAINING: 32,744 SQUARE FEET OR 0.752 ACRES (MORE OR LESS).

BEING THE SAME PROPERTY AS DESCRIBED IN A COMMITMENT FOR TITLE INSURANCE PREPARED BY FIRST AMERICAN TITLE INSURANCE COMPANY, COMMITMENT NUMBER: NCS-1277566-CHAR, WITH A COMMITMENT DATE OF NOVEMBER 1, 2025, AND IS SUBJECT TO RESTRICTIONS, COVENANTS, AND/OR EASEMENTS WRITTEN OR IMPLIED.

OWNER

COASTAL QSR, LLC
17129 US HWY 19 N
CLEARWATER, FL 33764

DEVELOPER

TACO BELL OF AMERICA, LLC
1 GLEN BELL WAY
IRVINE, CA 92618

PREPARED BY

BOHLER

CONTACT: FL-PERMITS@BOHLERENG.COM

SHEET INDEX

SHEET TITLE	SHEET NUMBER
COVER SHEET	C-101
GENERAL NOTES AND LEGEND	C-102
EXISTING CONDITIONS/DEMOLITION PLAN	C-201
SITE PLAN	C-301
TRUCK TURN PLAN	C-302
GRADING AND DRAINAGE PLAN	C-401
UTILITY PLAN	C-501
EROSION AND SEDIMENT CONTROL PLAN PHASE 1	C-801
EROSION AND SEDIMENT CONTROL PLAN PHASE 2	C-802
CONSTRUCTION DETAILS	C-901
FDOT DETAILS	C-902
LEE COUNTY DETAILS	C-903

GENERAL NOTE:
IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL OF THE DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THIS PROJECT. WORK SCOPE PRIOR TO THE INITIATION OF CONSTRUCTION. SHOULD THE CONTRACTOR FIND A CONFLICT WITH THE DOCUMENTS RELATIVE TO THE SPECIFICATIONS OR APPLICABLE CODES, IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE PROJECT ENGINEER OF RECORD IN WRITING PRIOR TO THE START OF CONSTRUCTION. FAILURE BY THE CONTRACTOR TO NOTIFY THE PROJECT ENGINEER SHALL CONSTITUTE ACCEPTANCE OF FULL RESPONSIBILITY BY THE CONTRACTOR TO COMPLETE THE SCOPE OF THE WORK AS DEFINED BY THE DRAWINGS AND IN FULL CONFORMANCE WITH LOCAL REGULATIONS AND CODES.

BOHLER
SITE CIVIL AND CONSULTING ENGINEERING
LAND SURVEYING
PROGRAM MANAGEMENT
LANDSCAPE ARCHITECTURE
SUSTAINABLE DESIGN
PERMITTING SERVICES
TRANSPORTATION SERVICES
THE DESIGN, IDEAS AND CONCEPTS OF THESE PLANS ARE PROPRIETARY AND SHALL NOT BE USED OR DISCLOSED FOR ANY PURPOSE, WITHOUT PRIOR WRITTEN AUTHORIZATION FROM BOHLER. ONLY APPROVED & SEALED PLANS SHALL BE UTILIZED FOR CONSTRUCTION PURPOSES.
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REVISIONS

REV	DATE	COMMENT	DRAWN BY / CHECKED BY

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ISSUED FOR MUNICIPAL & AGENCY REVIEW & APPROVAL

THIS DRAWING IS INTENDED FOR MUNICIPAL AND/OR AGENCY REVIEW AND APPROVAL. IT IS NOT INTENDED AS A CONSTRUCTION DOCUMENT UNLESS INDICATED OTHERWISE.

PROJECT No.:	FLA250154.00
DRAWN BY:	~AH ~
CHECKED BY:	~ BM ~
DATE:	4/15/26
CAD I.D.:	P-CIVL-CNDS

PROJECT:

SITE DEVELOPMENT PLANS

FOR

TACO BELL

TACO BELL - BLACKSTONE

SWC BLACKSTONE DR & SR 82
LEHIGH ACRES, FL 33913
LEE COUNTY
S 20, T 45, R 27E

BOHLER
600 N. WESTSHORE BLVD. SUITE 950
TAMPA, FLORIDA 33609
Phone: (813) 812-4100
Fax: (813) 812-4101
FLORIDA BUSINESS CERT. OF AUTH. No. 30780

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY KYLE STEVEN MOREL, PE, ON THE DATE ADJACENT TO THE SEAL. SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

SHEET TITLE:

COVER SHEET

SHEET NUMBER:

C-101

ORG. DATE - 4/15/26

Apr 15, 2026
H:\2025\FLA250154.00\CAD\DRAWINGS\PLAN SETS\CIVIL PLANS\P-CIVL-CNDS-FLA250154.00 ----LAYOUT: C-101 COVR
AH

GENERAL NOTES

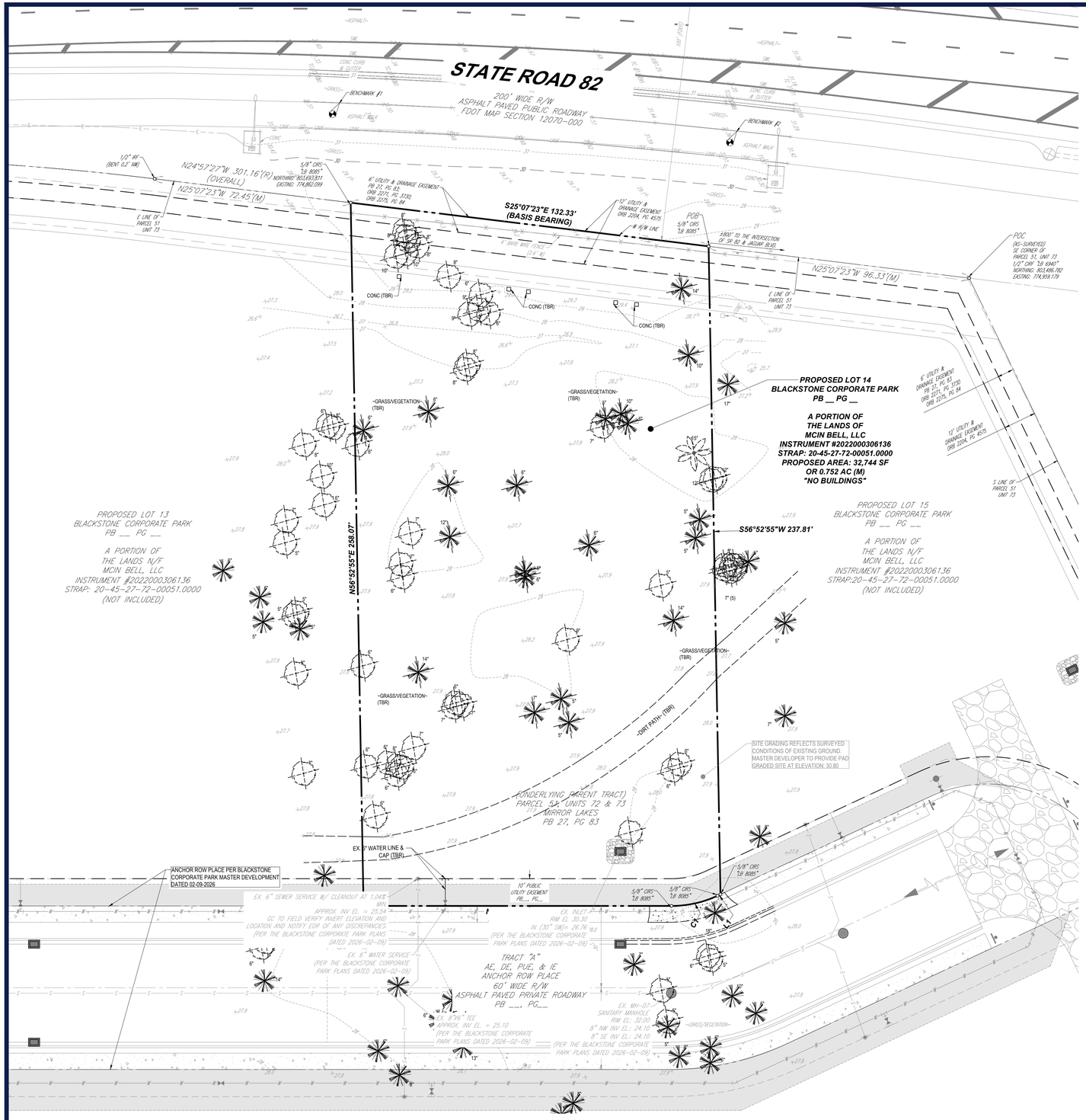
(Rev. 1/2023)

1. THESE PLANS ARE SOLELY BASED ON INFORMATION THE OWNER AND OTHERS PROVIDED TO BOHLER, LLC DBA BOHLER PLACES, LLC (HEREIN "BOHLER") PRIOR TO THE DATE ON WHICH THE PROFESSIONAL OF RECORD AND BOHLER PREPARED THESE PLANS. THE CONTRACTOR MUST FIELD VERIFY ALL EXISTING CONDITIONS AND IMMEDIATELY NOTIFY BOHLER, IN WRITING, IF ANY ACTUAL SITE CONDITIONS DIFFER FROM THOSE SHOWN ON THESE PLANS, OR IF THE PROPOSED WORK CONFLICTS WITH ANY OTHER SITE FEATURES.
2. THE CONTRACTOR MUST STRICTLY COMPLY WITH THESE NOTES AND ALL SPECIFICATIONS/REPORTS CONTAINED HEREIN. THE CONTRACTOR MUST ENSURE THAT ALL SUBCONTRACTORS FULLY AND COMPLETELY CONFORM TO AND COMPLY WITH THESE REQUIREMENTS. THESE NOTES, AND THE REQUIREMENTS ARTICULATED IN THE NOTES CONTAINED IN ALL THE OTHER DRAWINGS THAT COMPRISE THE PLAN SET OF DRAWINGS. ADDITIONAL NOTES AND SPECIFICATIONS MAY BE FOUND ON THE INDIVIDUAL PLANS. THESE GENERAL NOTES APPLY TO THIS ENTIRE DOCUMENT PACKAGE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW ALL CONSTRUCTION CONTRACT DOCUMENTS INCLUDING, BUT NOT LIMITED TO, ALL OF THE DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THE PROJECT WORK SCOPE, PRIOR TO THE INITIATION AND COMMENCEMENT OF CONSTRUCTION.
3. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR MUST CONFIRM WITH THE PROFESSIONAL OF RECORD AND BOHLER THAT THE LATEST EDITION OF THE DOCUMENTS AND/OR REPORTS REFERENCED WITHIN THE PLAN REFERENCES ARE BEING USED FOR CONSTRUCTION. THIS IS THE CONTRACTOR'S SOLE AND COMPLETE RESPONSIBILITY.
4. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR MUST ENSURE THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION IS TO BEGIN UNTIL THE CONTRACTOR HAS THOROUGHLY REVIEWED ALL PERMITS AND THE CONDITIONS OF APPROVAL TO ALL PLANS AND OTHER DOCUMENTS REVIEWED AND APPROVED BY THE PERMITTING AUTHORITIES AND HAS ALSO CONFIRMED THAT ALL NECESSARY AND REQUIRED PERMITS HAVE BEEN OBTAINED. THE CONTRACTOR MUST HAVE COPIES OF ALL PERMITS AND APPROVALS ON SITE AT ALL TIMES.
5. THE CONTRACTOR MUST ENSURE THAT ALL WORK IS PERFORMED IN ACCORDANCE WITH THESE PLANS, SPECIFICATIONS/REPORTS AND CONDITIONS OF APPROVAL, AND ALL APPLICABLE REQUIREMENTS, RULES, REGULATIONS, STATUTORY REQUIREMENTS, CODES, LAWS AND STANDARDS OF ALL GOVERNMENTAL ENTITIES WITH JURISDICTION OVER THIS PROJECT, AND ALL PROVISIONS IN AND CONDITIONS OF THE CONSTRUCTION CONTRACT WITH THE OWNER/DEVELOPER INCLUDING ALL EXHIBITS, ATTACHMENTS AND ADDENDA TO SAME.
6. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR MUST EXAMINE THE BUILDING LAYOUT BY CAREFULLY REVIEWING THE MOST CURRENT ARCHITECTURAL, CIVIL AND STRUCTURAL CONSTRUCTION DOCUMENTS (INCLUDING, BUT NOT LIMITED TO, MECHANICAL, ELECTRICAL, PLUMBING AND FIRE SUPPRESSION PLANS, WHERE APPLICABLE). THE CONTRACTOR MUST IMMEDIATELY NOTIFY OWNER, ARCHITECT AND PROFESSIONAL OF RECORD AND BOHLER, IN WRITING, OF ANY CONFLICTS, DISCREPANCIES OR AMBIGUITIES WHICH EXIST BETWEEN THESE PLANS AND ANY OTHER PLANS THAT COMPRISE THE CONSTRUCTION DOCUMENTS.
7. CONTRACTOR MUST REFER TO ARCHITECTURAL AND APPROVED ARCHITECTURAL/BUILDING PLANS OF RECORD FOR EXACT LOCATIONS AND DIMENSIONS OF ENTRY/EXIT POINTS, ELEVATIONS, PRECISE BUILDING DIMENSIONS, AND EXACT BUILDING UTILITY LOCATIONS.
8. THE CONTRACTOR MUST FIELD VERIFY ALL DIMENSIONS AND MEASUREMENTS SHOWN ON THESE PLANS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR MUST IMMEDIATELY NOTIFY PROFESSIONAL OF RECORD AND BOHLER, IN WRITING, IF ANY CONFLICTS, DISCREPANCIES, OR AMBIGUITIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION. NO EXTRA COMPENSATION WILL BE PAID TO THE CONTRACTOR FOR WORK WHICH HAS TO BE RE-DONE BECAUSE OF DIMENSIONS, MEASUREMENTS OR GRADES INCORRECTLY SHOWN ON THESE PLANS PRIOR TO BOTH (A) THE CONTRACTOR GIVING PROFESSIONAL OF RECORD AND BOHLER WRITTEN NOTIFICATION OF SAME AND (B) PROFESSIONAL OF RECORD AND BOHLER, THEREAFTER, PROVIDING THE CONTRACTOR WITH WRITTEN AUTHORIZATION TO PROCEED WITH SUCH ADDITIONAL WORK.
9. THE CONTRACTOR MUST VERIFY ALL DIMENSIONS AND MEASUREMENTS INCLUDED ON DESIGN DOCUMENTS HEREIN AND MUST NOT SCALE OFF THE DRAWINGS DUE TO POTENTIAL PRINTING INACCURACIES. ALL DIMENSIONS ARE MEASURED TO FACE OF CONCRETE OR CENTERLINE OF GRIDS. THE GENERAL CONTRACTOR PRIOR TO PREPARATION OF SHOP DRAWINGS, FABRICATION/ORDERING OF PARTS AND MATERIALS AND COMMENCEMENT OF SITE WORK, SITE PLAN DRAWINGS ARE NOT INTENDED AS SUCH. SHOP DOCUMENTS, DIMENSIONS AND ITEMS SUPERSEDE GRAPHICAL REPRESENTATIONS. THE CONTRACTOR MUST MAKE CONTRACTOR'S OWN MEASUREMENTS FOR LAYOUT OF IMPROVEMENTS.
10. THE OWNER AND CONTRACTOR MUST BE FAMILIAR WITH AND RESPONSIBLE FOR THE PROCUREMENT OF ANY AND ALL CERTIFICATIONS REQUIRED FOR THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY.
11. WHEN INCLUDED AS ONE OF THE REFERENCED DOCUMENTS, THE GEOTECHNICAL REPORT, SPECIFICATIONS AND RECOMMENDATIONS SET FORTH THEREIN ARE A PART OF THE REQUIRED CONSTRUCTION DOCUMENTS AND, IN CASE OF CONFLICT, DISCREPANCY OR AMBIGUITY, THE MORE STRINGENT REQUIREMENTS AND/OR RECOMMENDATIONS CONTAINED IN: (A) THE PLANS; OR, (B) THE GEOTECHNICAL REPORT AND RECOMMENDATIONS, MUST TAKE PRECEDENCE UNLESS SPECIFICALLY NOTED OTHERWISE ON THE PLANS. THE CONTRACTOR MUST NOTIFY THE PROFESSIONAL OF RECORD AND BOHLER, IN WRITING, OF ANY SUCH CONFLICT, DISCREPANCY OR AMBIGUITY BETWEEN THE GEOTECHNICAL REPORT AND PLANS AND SPECIFICATIONS, PRIOR TO PROCEEDING WITH ANY FURTHER WORK. IF A GEOTECHNICAL REPORT WAS NOT CREATED, THEN THE CONTRACTOR MUST FOLLOW AND COMPLY WITH ALL OF THE REQUIREMENTS OF ANY AND ALL MUNICIPAL, COUNTY, STATE, AND FEDERAL LAWS AND APPLICABLE SPECIFICATIONS WHICH HAVE JURISDICTION OVER THIS PROJECT.
12. PROFESSIONAL OF RECORD AND BOHLER ARE NEITHER LIABLE NOR RESPONSIBLE FOR ANY SUBSURFACE CONDITIONS AND FURTHER, HAS NO LIABILITY FOR ANY HAZARDOUS MATERIALS, HAZARDOUS SUBSTANCES OR POLLUTANTS ON, ABOUT OR UNDER THE PROPERTY.
13. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING WHEN AND WHERE SHORING IS REQUIRED AND FOR INSTALLING ALL SHORING REQUIRED DURING EXCAVATION (TO BE PERFORMED IN ACCORDANCE WITH CURRENT OSHA STANDARDS) AND ANY ADDITIONAL PRECAUTIONS TO BE TAKEN TO ASSURE THE STABILITY OF ADJACENT, NEARBY AND CONTIGUOUS STRUCTURES AND PROPERTIES. ALL OF THIS WORK IS TO BE PERFORMED AT CONTRACTOR'S SOLE COST AND EXPENSE.
14. THE CONTRACTOR MUST EXERCISE EXTREME CAUTION WHEN PERFORMING ANY WORK ACTIVITIES ADJACENT TO PAVEMENT, STRUCTURES, ETC. WHICH ARE TO REMAIN EITHER FOR AN INITIAL PHASE OF THE PROJECT OR AS PART OF THE FINAL CONDITION. THE CONTRACTOR IS RESPONSIBLE FOR TAKING ALL APPROPRIATE MEASURES REQUIRED TO ENSURE THE STRUCTURAL STABILITY OF SIDEWALKS AND PAVEMENT, UTILITIES, BUILDINGS, AND INFRASTRUCTURE WHICH ARE TO REMAIN, AND TO PROVIDE ALL SHORING REQUIRED FOR THE SAFETY OF ALL WORK AREA AND PERSONS INVOLVED WITH THE PROJECT.
15. DEBRIS MUST NOT BE BURIED ON THE SUBJECT SITE. ALL DEMOLITION AND CONSTRUCTION WASTES, UNSUITABLE EXCAVATED MATERIAL, EXCESS SOIL AND DEBRIS (SOLID WASTE) MUST BE DISPOSED OF IN ACCORDANCE WITH THE REQUIREMENTS OF ANY AND ALL MUNICIPAL, COUNTY, STATE, AND FEDERAL LAWS AND APPLICABLE CODES WHICH HAVE JURISDICTION OVER THIS PROJECT OR OVER THE CONTRACTOR.
16. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO MAINTAIN RECEIPTS TO DEMONSTRATE PROPER AND FULLY COMPLIANT DISPOSAL ACTIVITIES, TO BE PROMPTLY PROVIDED TO THE OWNER UPON REQUEST.
17. THE CONTRACTOR MUST REPAIR, AT CONTRACTOR'S SOLE COST, ALL DAMAGE DONE TO ANY NEW OR EXISTING CONSTRUCTION OR PROPERTY DURING THE COURSE OF CONSTRUCTION, INCLUDING BUT NOT LIMITED TO DRAINAGE, UTILITIES, PAVEMENT, STRIPING, CURB, ETC. AND MUST BEAR ALL COSTS ASSOCIATED WITH SAME TO INCLUDE, BUT NOT BE LIMITED TO, REDESIGN, RE-SURVEY, RE-PERMITTING AND CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE TO REPLACE ALL SIGNAL INTERCONNECTION CABLE, WIRING CONDUITS, AND ANY ASSOCIATED EQUIPMENT AND ACCESSORY EQUIPMENT DAMAGED DURING CONSTRUCTION AND MUST BEAR ALL COSTS ASSOCIATED WITH SAME. THE REPAIR OF ANY SUCH NEW OR EXISTING CONSTRUCTION OR PROPERTY TO A CONDITION EQUIVALENT OR BETTER THAN THAT WHICH EXISTED PRIOR TO OR BETTER THAN THE CONDITIONS PRIOR TO COMMENCEMENT OF THE CONSTRUCTION, AND IN CONFORMANCE WITH APPLICABLE CODES, LAWS, RULES, REGULATIONS, STATUTORY REQUIREMENTS AND STATUTES. THE CONTRACTOR MUST BEAR ALL COSTS ASSOCIATED WITH SAME. THE CONTRACTOR MUST, PROMPTLY, DOCUMENT ALL EXISTING DAMAGE AND NOTIFY, IN WRITING, THE OWNER AND THE CONSTRUCTION MANAGER OF SAME PRIOR TO THE START OF CONSTRUCTION.
18. THE PROFESSIONAL OF RECORD AND BOHLER ARE NOT RESPONSIBLE FOR AND HAVE NO CONTRACTUAL, LEGAL OR OTHER RESPONSIBILITIES FOR JOB SITE SAFETY JOB SITE SUPERVISION, OR ANYTHING RELATED TO SAME. THE PROFESSIONAL OF RECORD AND BOHLER HAVE NOT BEEN RETAINED TO PERFORM OR TO BE RESPONSIBLE FOR JOB SITE SAFETY, SAME BEING WHOLLY OUTSIDE OF PROFESSIONAL OF RECORD'S AND BOHLER SERVICES AS RELATED TO THE PROJECT. THE PROFESSIONAL OF RECORD AND BOHLER ARE NOT RESPONSIBLE TO DIRECT CONTRACTOR'S EMPLOYEES OR ANY JOB SITE SAFETY ISSUES OR ANY JOB SITE CONDITIONS, AT ANY TIME.
19. THE CONTRACTOR MUST IMMEDIATELY IDENTIFY IN WRITING THE PROFESSIONAL OF RECORD AND BOHLER , ANY DISCREPANCIES THAT MAY OR COULD AFFECT THE PUBLIC SAFETY, HEALTH OR GENERAL WELFARE, OR PROJECT COST. IF THE CONTRACTOR PROCEEDS WITH CONSTRUCTION WITHOUT PROVIDING PROPER WRITTEN NOTIFICATION AS DESCRIBED ABOVE, IT WILL BE AT THE CONTRACTOR'S OWN RISK AND, FURTHER, THE CONTRACTOR MUST INDEMNIFY, DEFEND AND HOLD HARMLESS THE PROFESSIONAL OF RECORD AND BOHLER FOR ANY AND ALL DAMAGES, COSTS, INJURIES, ATTORNEY'S FEES AND THE LIKE WHICH RESULT FROM OR ARE IN ANY WAY RELATED TO SAME INCLUDING, BUT NOT LIMITED TO, ANY THIRD PARTY AND FIRST PARTY CLAIMS.
20. THE PROFESSIONAL OF RECORD AND BOHLER ARE NOT RESPONSIBLE FOR ANY INJURY OR DAMAGES RESULTING FROM THE CONTRACTOR'S FAILURE TO BUILD OR CONSTRUCT IN STRICT ACCORDANCE WITH THE APPROVED PLANS, AND CURRENT CODES, RULES, STATUTES AND THE LIKE. IF THE CONTRACTOR AND/OR OWNER FAIL TO BUILD OR CONSTRUCT IN STRICT ACCORDANCE WITH APPROVED PLANS, AND CURRENT CODES, RULES, STATUTES AND THE LIKE, THE CONTRACTOR AND/OR OWNER AGREE TO AND MUST JOINTLY, INDEPENDENTLY, SEPARATELY, AND SEVERALLY INDEMNIFY AND HOLD THE PROFESSIONAL OF RECORD AND BOHLER HARMLESS FOR ANY AND ALL INJURIES, CLAIMS AND DAMAGES THAT PROFESSIONAL OF RECORD AND BOHLER SUFFER AND ANY AND ALL COSTS THAT PROFESSIONAL OF RECORD AND BOHLER INCUR AS RELATED TO SAME.
21. ALL CONTRACTORS MUST CARRY AT LEAST THE MINIMUM AMOUNT OF THE SPECIFIED AND COMMERCIALLY REASONABLE STATUTORY WORKER'S COMPENSATION INSURANCE, EMPLOYER'S LIABILITY INSURANCE AND COMMERCIAL GENERAL LIABILITY INSURANCE (CGL) INCLUDING ALSO ALL UMBRELLA COVERAGES. ALL CONTRACTORS MUST NAME BOHLER, AND ITS PAST, PRESENT AND FUTURE EMPLOYEES AND AGENTS AS ADDITIONAL OWNERS, OFFICERS, DIRECTORS, PARTNERS, SHAREHOLDERS, MEMBERS, PRINCIPALS, COMMISSIONERS, AGENTS, SERVANTS, EMPLOYEES, AFFILIATES, SUBSIDIARIES, AND RELATED ENTITIES, AND ITS SUBCONTRACTORS AND SUBCONSULTANTS AS ADDITIONAL NAMED INSUREDS AND TO PROVIDE CONTRACTUAL LIABILITY COVERAGE SUFFICIENT TO INSURE (DEFEND, IF APPLICABLE) AND HOLD HARMLESS AND INDEMNITY OBLIGATIONS ASSUMED AND AGREED TO BY THE CONTRACTOR HEREIN. ALL CONTRACTORS MUST FURNISH BOHLER WITH CERTIFICATIONS OF INSURANCE OR CERTIFICATES OF INSURANCE AS EVIDENCE OF THE REQUIRED INSURANCE COVERAGES PRIOR TO COMMENCING ANY WORK AND UPON RENEWAL OF EACH POLICY DURING THE ENTIRE PERIOD OF CONSTRUCTION AND FOR TWO YEARS AFTER THE COMPLETION OF CONSTRUCTION AND AFTER ALL PERMITS ARE ISSUED, WHICHEVER DATE IS LATER. ALL CONTRACTORS AGREE THAT THEY WILL, TO THE FULLEST EXTENT PERMITTED UNDER THE LAW, INDEMNIFY, DEFEND AND HOLD HARMLESS BOHLER AND ITS PAST, PRESENT AND FUTURE OWNERS, OFFICERS, DIRECTORS, PARTNERS, SHAREHOLDERS, MEMBERS, PRINCIPALS, COMMISSIONERS, AGENTS, SERVANTS, EMPLOYEES, AFFILIATES, SUBSIDIARIES, AND RELATED ENTITIES, AND ITS SUBCONTRACTORS AND SUBCONSULTANTS FROM AND AGAINST ANY AND ALL LIABILITIES, CLAIMS, ACTIONS, PENALTIES, EXPENSES, PUNITIVE DAMAGES, TORT DAMAGES, STATUTORY CLAIMS, STATUTORY CAUSES OF ACTION, LOSSES, CAUSES OF ACTION, LIABILITIES OR COSTS, INCLUDING, BUT NOT LIMITED TO, REASONABLE ATTORNEYS' FEES AND DEFENSE COSTS, ARISING OUT OF OR IN ANY WAY CONNECTED WITH OR TO THE PROJECT, INCLUDING ALL CLAIMS BY EMPLOYEES OF THE CONTRACTOR(S), ALL CLAIMS BY THIRD PARTIES AND ALL CLAIMS RELATED TO THE PROJECT. THE CONTRACTOR MUST NOTIFY PROFESSIONAL OF RECORD, IN WRITING, AT LEAST THIRTY (30) DAYS PRIOR TO ANY TERMINATION, SUSPENSION OR CHANGE OF THE INSURANCE COVERAGE.
22. THE PROFESSIONAL OF RECORD AND BOHLER ARE NOT RESPONSIBLE FOR CONSTRUCTION METHODS, MEANS, TECHNIQUES OR PROCEDURES, GENERALLY OR FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES OR PROCEDURES FOR CONSTRUCTION NOT DEPICTED ON THESE PLANS, AND FOR ANY CONFLICTS IN SCOPE AND REVISIONS THAT RESULT FROM SAME. THE CONTRACTOR IS FULLY AND SOLELY RESPONSIBLE FOR DETERMINING THE MEANS AND METHODS FOR COMPLETION OF THE WORK, PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
23. NEITHER THE PROFESSIONAL ACTIVITIES OF BOHLER, NOR THE PRESENCE OF BOHLER AND/OR ITS PERSONNEL AT A CONSTRUCTION/PROJECT SITE (HEREIN "BOHLER PARTIES"), RELIEVES OR WILL RELIEVE THE CONTRACTOR OF AND FROM CONSTRUCTION MEANS, METHODS, SEQUENCE, TECHNIQUES OR PROCEDURES NECESSARY FOR PERFORMING, OVERSEEING, SUPERINTENDING AND COORDINATING THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND COMPLIANCE WITH ALL HEALTH AND SAFETY PRECAUTIONS REQUIRED BY ANY REGULATORY AGENCIES WITH JURISDICTION OVER THE PROJECT AND/OR PROPERTY. BOHLER PARTIES HAVE NO AUTHORITY TO EXERCISE ANY CONTROL OVER (OR ANY RESPONSIBILITY FOR) ANY CONSTRUCTION, THE CONTRACTOR OR ITS EMPLOYEES IN CONNECTION WITH THEIR WORK AND ALL HEALTH AND SAFETY PROGRAMS OR PROCEDURES. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR JOB SITE SAFETY. THE CONTRACTOR MUST INDEMNIFY, DEFEND, PROTECT AND HOLD HARMLESS BOHLER PARTIES FOR AND FROM ANY LIABILITY TO BOHLER PARTIES RESULTING FROM THE CONTRACTOR'S WORK, SERVICES AND/OR VIOLATIONS OF THIS NOTE AND SET AND FURTHER, THE CONTRACTOR MUST ENSURE THAT CONTRACTOR MUST NAME BOHLER AS AN ADDITIONAL INSURED UNDER THE GENERAL CONTRACTOR'S POLICIES OF GENERAL LIABILITY INSURANCE AS DESCRIBED ABOVE.
24. WHEN IT IS CLEARLY AND SPECIFICALLY WITHIN BOHLER'S SCOPE OF SERVICES CONTRACT WITH THE OWNER/DEVELOPER, BOHLER WILL REVIEW OR TAKE OTHER APPROPRIATE ACTION ON THE CONTRACTOR SUBMITTALS, SUCH AS SHOP DRAWINGS, PRODUCT DATA, SAMPLES, AND OTHER DATA, WHICH THE CONTRACTOR IS REQUIRED TO SUBMIT, BUT ONLY FOR THE LIMITED PURPOSE OF EVALUATING CONFORMANCE WITH THE DESIGN INTENT AND THE INFORMATION SHOWN IN THE CONSTRUCTION CONTRACT DOCUMENTS. CONSTRUCTION MEANS AND METHODS AND/OR TECHNIQUES OR PROCEDURES, COORDINATION OF THE WORK WITH OTHER TRADES, AND CONSTRUCTION SAFETY PRECAUTIONS ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND BOHLER'S REVIEW OF SUBMITTALS SHALL NOT PERFORM ITS SHOP DRAWING REVIEW WITH REASONABLE PROMPTNESS, AS CONDITIONS PERMIT. ANY DOCUMENT, DOCUMENTING BOHLER'S REVIEW OF A SPECIFIC ITEM OR LIMITED SCOPE, MUST NOT INDICATE THAT BOHLER HAS REVIEWED THE ENTIRE ASSEMBLY OF WHICH THE ITEM IS A COMPONENT. BOHLER IS NOT RESPONSIBLE FOR ANY DEVIATIONS FROM THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR MUST, IN WRITING, PROMPTLY AND IMMEDIATELY BRING ANY DEVIATIONS FROM THE CONSTRUCTION DOCUMENTS TO BOHLER'S ATTENTION. BOHLER IS NOT REQUIRED TO REVIEW PARTIAL SUBMISSIONS OR THOSE FOR WHICH SUBMISSIONS OF CORRECTED ITEMS HAVE NOT BEEN RECEIVED.
25. IF THE CONTRACTOR DEVIATES FROM THESE PLANS AND/OR SPECIFICATIONS, INCLUDING THE NOTES CONTAINED HEREIN, WITHOUT FIRST OBTAINING THE PRIOR WRITTEN AUTHORIZATION OF THE PROFESSIONAL OF RECORD AND BOHLER FOR ALL DEVIATIONS WITHIN PROFESSIONAL OF RECORD'S SCOPE, THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE PAYMENT OF ALL COSTS INCURRED IN CORRECTING ANY WORK PERFORMED WHICH DEVIATES FROM THE PLANS, ALL FINES AND/OR PENALTIES ASSESSED WITH RESPECT THERETO AND ALL COMPENSATORY OR PUNITIVE DAMAGES RESULTING THEREFROM AND, FURTHER, MUST DEFEND, INDEMNIFY, PROTECT, AND HOLD HARMLESS THE PROFESSIONAL OF RECORD AND BOHLER PARTIES TO THE FULLEST EXTENT PERMITTED UNDER THE LAW, FOR AND FROM ALL FEES, ATTORNEYS' FEES, DAMAGES, COSTS, JUDGMENTS, CLAIMS, INJURIES, PENALTIES AND THE LIKE RELATED TO SAME.
26. THE CONTRACTOR IS RESPONSIBLE FOR A MAINTAINING AND PROTECTING THE TRAFFIC CONTROL PLAN AND ELEMENTS IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REQUIREMENTS, FOR ALL WORK THAT AFFECTS PUBLIC TRAVEL EITHER IN THE RIGHT OF WAY OR ON SITE. THE COST FOR THIS ITEM MUST BE INCLUDED IN THE CONTRACTOR'S PRICE AND IS THE CONTRACTOR'S SOLE RESPONSIBILITY.
27. OWNER MUST MAINTAIN AND PRESERVE ALL PHYSICAL SITE FEATURES AND DESIGN FEATURES DEPICTED ON THE PLANS AND RELATED DOCUMENTS IN STRICT ACCORDANCE WITH THE RECOMMENDATIONS OF THE PROFESSIONAL OF RECORD AND BOHLER AND FURTHER, OWNER AGREES TO BE SOLELY RESPONSIBLE FOR ANY FAILURE TO SO MAINTAIN OR PRESERVE SITE AND/OR DESIGN FEATURES. IF OWNER FAILS TO MAINTAIN AND/OR PRESERVE ALL PHYSICAL SITE FEATURES AND/OR DESIGN FEATURES DEPICTED ON THE PLANS AND RELATED DOCUMENTS, OWNER AGREES TO INDEMNIFY AND HOLD THE PROFESSIONAL OF RECORD AND BOHLER PARTIES, HARMLESS FOR ALL INJURIES, DAMAGES AND COSTS THAT PROFESSIONAL OF RECORD AND BOHLER INCUR AS A RESULT OF SAID FAILURE OR FAILURE TO PRESERVE.
28. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ENSURING THAT ALL CONSTRUCTION ACTIVITIES AND MATERIALS COMPLY WITH AND CONFORM TO APPLICABLE FEDERAL, STATE AND LOCAL RULES AND REGULATIONS, LAWS, ORDINANCES, AND CODES, AND ALL APPLICABLE REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970, (29 U.S.C. 651 ET SEQ.) AS AMENDED, AND ANY MODIFICATIONS, AMENDMENTS OR REVISIONS TO SAME.
29. THE CONTRACTOR MUST STRICTLY COMPLY WITH THE LATEST AND CURRENT OSHA STANDARDS AND REGULATIONS, AND/OR ANY OTHER AGENCY WITH JURISDICTION OVER EXCAVATION AND TRENCHING PROCEDURES. PROFESSIONAL OF RECORD AND BOHLER HAS NO RESPONSIBILITY FOR OR AS RELATED TO EXCAVATION AND TRENCHING PROCEDURES AND WORK.
30. THE CONTRACTOR AND THE OWNER MUST INSTALL ALL ELEMENTS AND COMPONENTS IN STRICT COMPLIANCE WITH AND IN ACCORDANCE WITH MANUFACTURER'S STANDARDS AND RECOMMENDED INSTALLATION CRITERIA AND SPECIFICATIONS. IF THE CONTRACTOR AND/OR OWNER FAIL TO DO SO, THEY AGREE TO JOINTLY, INDEPENDENTLY, SEPARATELY, COLLECTIVELY, AND SEVERALLY INDEMNIFY, DEFEND, PROTECT AND HOLD PROFESSIONAL OF RECORD AND BOHLER PARTIES HARMLESS FOR ALL INJURIES AND DAMAGES THAT PROFESSIONAL OF RECORD SUFFERS AND COSTS THAT PROFESSIONAL OF RECORD INCURS AS A RESULT OF SAID FAILURE.
31. THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN AN ON-SITE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) IN COMPLIANCE WITH THE ENVIRONMENTAL PROTECTION AGENCY (EPA) REQUIREMENTS OR LOCAL GOVERNING AGENCY FOR SITES WHERE ONE (1) ACRE OR MORE IS DISTURBED BY CONSTRUCTION ACTIVITIES (UNLESS THE LOCAL JURISDICTION REQUIRES A DIFFERENT THRESHOLD). THE CONTRACTOR MUST ENSURE THAT ALL ACTIVITIES, INCLUDING THOSE OF ALL SUBCONTRACTORS, ARE IN COMPLIANCE WITH THE SWPPP, INCLUDING BUT NOT LIMITED TO LOGGING ACTIVITIES (MINIMUM ONCE PER WEEK AND AFTER RAINFALL EVENTS) AND CORRECTIVE MEASURES, AS APPROPRIATE AND FURTHER, THE CONTRACTOR IS SOLELY AND COMPLETELY RESPONSIBLE FOR FAILING TO DO SO.
32. AS CONTAINED IN THESE DRAWINGS AND ASSOCIATED DOCUMENTS PREPARED BY THE PROFESSIONAL OF RECORD AND BOHLER, THE USE OF THE WORDS 'CERTIFY' OR 'CERTIFICATION' CONSTITUTE(S) AN EXPRESSION ONLY OF PROFESSIONAL OPINION REGARDING THE INFORMATION WHICH IS THE SUBJECT OF THE PROFESSIONAL OF RECORD'S AND BOHLER KNOWLEDGE OR BELIEF AND IN ACCORDANCE WITH COMMON AND ACCEPTED PROCEDURE CONSISTENT WITH THE APPLICABLE STANDARDS OF PRACTICE, AND DOES NOT CONSTITUTE A WARRANTY OR GUARANTEE OF ANY NATURE OR TYPE, EITHER EXPRESSED OR IMPLIED, UNDER ANY CIRCUMSTANCES.

DEMOLITION NOTES

(Rev. 1/2023)

1. THE GENERAL NOTES MUST BE INCLUDED AS PART OF THIS ENTIRE DOCUMENT PACKAGE AND ARE PART OF THE CONTRACT DOCUMENTS. THE GENERAL NOTES ARE REFERENCED HEREIN, AND THE CONTRACTOR MUST REFER TO THEM AND FULLY COMPLY WITH THESE NOTES, IN THEIR ENTIRETY. THE CONTRACTOR MUST BE FAMILIAR WITH AND ACKNOWLEDGE FAMILIARITY WITH ALL OF THE GENERAL NOTES AND ALL OF THE PLANS' SPECIFIC NOTES.
2. THE CONTRACTOR MUST CONDUCT DEMOLITION/REMOVALS ACTIVITIES IN SUCH A MANNER AS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, SIDEWALKS, WALKWAYS, AND ALL OTHER ADJACENT FACILITIES. THE CONTRACTOR MUST OBTAIN ALL APPLICABLE PERMITS FROM THE APPROPRIATE GOVERNMENTAL AUTHORITY(IES) PRIOR TO THE COMMENCEMENT OF ANY DEMOLITION/REMOVALS OR DEMOLITION ACTIVITIES IN OR ADJACENT TO THE RIGHT-OF-WAY.
3. NIGHTTIME DEMOLITION-RELATED ACTIVITIES IMPACT ROADWAYS AND/OR ROADWAY RIGHT-OF-WAY, THE CONTRACTOR MUST PROVIDE TRAFFIC CONTROL AND GENERALLY ACCEPTED SAFE PRACTICES IN CONFORMANCE WITH THE CURRENT FEDERAL HIGHWAY ADMINISTRATION (FHWA) MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), AND THE FEDERAL, STATE, AND LOCAL REGULATIONS.
4. THE DEMOLITION (AND/OR REMOVALS) PLAN IS INTENDED TO PROVIDE GENERAL INFORMATION AND TO IDENTIFY ONLY CONDITIONS REGARDING ITEMS TO BE DEMOLISHED, REMOVED, AND/OR TO REMAIN.
   A. THE CONTRACTOR MUST ALSO REVIEW ALL CONSTRUCTION DOCUMENTS AND INCLUDE WITHIN THE DEMOLITION ACTIVITIES ALL INCIDENTAL WORK NECESSARY AND REQUIRED FOR THE SAFE AND THOROUGH REMOVAL OF THE WAY SUITE IMPROVEMENTS.
   B. THIS PLAN IS NOT INTENDED TO AND DOES NOT PROVIDE DIRECTION REGARDING THE MEANS, METHODS, SEQUENCING, TECHNIQUES AND PROCEDURES TO BE EMPLOYED TO ACCOMPLISH THE WORK. ALL MEANS, METHODS, SEQUENCING, TECHNIQUES AND PROCEDURES TO BE EMPLOYED TO ACCOMPLISH THE WORK SHALL BE IN ACCORDANCE WITH ALL STATE, FEDERAL, LOCAL, AND JURISDICTIONAL REQUIREMENTS. THE CONTRACTOR MUST COMPLY WITH ALL OSHA AND OTHER SAFETY PRECAUTIONS NECESSARY TO PROTECT PERSONS, PROPERTY AND UTILITIES AND TO MAINTAIN A SAFE WORK SITE FOR THE CONTRACTOR AND THE PUBLIC.
5. THE CONTRACTOR MUST PROVIDE ALL "METHODS AND MEANS" NECESSARY TO PREVENT MOVEMENT, SETTLEMENT, OR COLLAPSE OF EXISTING STRUCTURES, AND ANY OTHER IMPROVEMENTS THAT ARE REMAINING ON OR OFF SITE. THE CONTRACTOR, AT THE CONTRACTOR'S SOLE COST, MUST REPAIR ALL DAMAGE TO ALL STRUCTURES AND FEATURES THAT ARE TO REMAIN. CONTRACTOR MUST USE NEW MATERIAL FOR ALL REPAIRS. CONTRACTOR'S REPAIRS MUST INCLUDE THE RESTORATION OF ALL ITEMS AND FEATURES DISTURBED UNDER PRE-DEMOLITION CONDITION, OR BETTER. CONTRACTOR MUST PERFORM ALL REPAIRS AT THE CONTRACTOR'S SOLE EXPENSE.
6. THE PROFESSIONAL OF RECORD AND BOHLER ARE NOT RESPONSIBLE FOR JOB SITE SAFETY OR SUPERVISION. THE CONTRACTOR MUST PROCEED WITH THE DEMOLITION IN STRICT ACCORDANCE AND COMPLIANCE WITH ALL OSHA REQUIREMENTS, TO ENSURE PUBLIC AND CONTRACTOR SAFETY AND SAFETY TO ALL PROPERTY ON THE SITE OR ADJACENT OR CONTIGUOUS TO THE SAME.
7. THE CONTRACTOR IS RESPONSIBLE FOR JOB SITE SAFETY, WHICH MUST INCLUDE, BUT IS NOT LIMITED TO, THE INSTALLATION AND MAINTENANCE OF BARRIERS, FENCING, OTHER APPROPRIATE AND/OR NECESSARY SAFETY FEATURES AND ITEMS NECESSARY TO PROTECT THE PUBLIC, PROPERTY AND CONTRACTOR DURING DEMOLITION ACTIVITIES. THE CONTRACTOR MUST SAFEGUARD THE SITE AS NECESSARY TO PERFORM THE DEMOLITION IN SUCH A MANNER AS TO PREVENT THE ENTRY OF UNAUTHORIZED PERSONS AT ANY TIME DURING THE DEMOLITION AREA.
8. PRIOR TO THE COMMENCEMENT OF ANY SITE ACTIVITY AND ANY DEMOLITION ACTIVITY, THE CONTRACTOR MUST, IN WRITING, RAISE ANY QUESTIONS CONCERNING THE ACCURACY OR INTENT OF THESE PLANS AND/OR SPECIFICATIONS, ALL CONCERNS OR QUESTIONS REGARDING THE APPLICABLE SAFETY PRECAUTIONS REQUIRED BY ANY REGULATORY AGENCIES AND/OR THIRD PARTIES IN PERFORMING THE WORK ON THIS PROJECT. ANY SUCH CONCERNS MUST BE CONVEYED TO THE PROFESSIONAL OF RECORD AND BOHLER



EXISTING LEGEND

CONTOUR	30' / 30'
SPOT ELEVATION	X 123.45
EDGE OF PAVEMENT ELEVATION	X EP 123.45
TOP OF CURB ELEVATION	X TC 123.45
GUTTER ELEVATION	X G 123.45
TOP OF WALL ELEVATION	X TW 123.45
BOTTOM OF WALL ELEVATION	X BW 123.45
TOP OF ISLAND ELEVATION	X TI 123.45
BOTTOM OF ISLAND ELEVATION	X BI 123.45
PROPERTY LINE	
EASEMENT LINE	
RIGHT-OF-WAY LINE	
GAS VALVE	GV
OVERHEAD WIRES	OH
APPROX LOC UNDERGROUND CABLE LINE PER UTILITY MARKOUT	C
APPROX LOC UNDERGROUND ELEC LINE PER UTILITY MARKOUT	E
APPROX LOC UNDERGROUND GAS LINE PER UTILITY MARKOUT	G
APPROX LOC UNDERGROUND WATER LINE PER UTILITY MARKOUT	W
APPROX LOC UNDERGROUND STORM SEWER LINE	
UTILITY POLE	
ELECTRIC BOX	E
SANITARY MANHOLE	S
STORM DRAIN MANHOLE	D
WATER METER	WM
SIGN	
BOLLARD	
LANDSCAPED AREA	LSA
AREA LIGHT	
CLEAN OUT	CO
PAINTED ARROWS	
TITLE REPORT EXCEPTION	7
DENOTES PARKING SPACE COUNT	3
BENCHMARK	BM
TO BE REMOVED / TO BE RELOCATED	TBR / TBRL
GUY WIRE	
TREE (SIZE AS NOTED)	
PROP CORNERS TO BE SET	
BORING LOCATION	B-29 ELEV=28.50
TREE (SIZE AS NOTED) TO BE REMOVED	

DEMOLITION NOTES

1. THE CONTRACTOR MUST BE FAMILIAR WITH ALL NOTES ON THE GENERAL NOTES SHEET.
2. PRIOR TO STARTING ANY DEMOLITION, THE CONTRACTOR SHALL OBTAIN A SUNSHINE STATE ONE CALL LOCATION CERTIFICATION PRIOR TO ANY EXCAVATION OR DEMOLITION. THE NUMBER IS 1-800-432-4770.
3. DEMOLITION ACTIVITIES AND EQUIPMENT SHALL NOT USE AREAS OUTSIDE THE DEFINED PROPERTY LINE WITHOUT WRITTEN PERMISSION OF THE OWNER, AND/OR APPROPRIATE GOVERNMENT AGENCY.
4. CONTRACTOR TO ESTABLISH NEW BENCHMARKS IF EXISTING BENCHMARK WILL BE DISTURBED OR REMOVED.
5. CONTRACTOR TO REMOVE EXISTING TREES OR PLANTS AS SHOWN ON THE TREE DISPOSITION PLAN WITHIN THE LIMITS OF DISTURBANCE. CONTRACTOR TO OBTAIN APPROVAL FROM THE OWNER AND ENGINEER OF RECORD PRIOR TO REMOVING EXISTING TREES NOT SHOWN ON THE TREE DISPOSITION PLAN.TREES TO BE PRESERVED SHALL BE ADEQUATELY FENCED PRIOR TO CONSTRUCTION. ANY DISCREPANCIES BETWEEN THE TREE DISPOSITION AND THE CIVIL PLANS SHALL BE SENT IN WRITING BY THE CONTRACTOR TO THE EOR AND LA PRIOR TO THE START OF ANY CONSTRUCTION FOR RESOLUTION.
6. A RIGHT-OF-WAY PERMIT WILL BE REQUIRED FOR ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY. SPECIFIC STIPULATIONS OR CONDITIONS WILL BE IMPOSED AT THE TIME OF PERMIT APPLICATION.
7. NO LANE CLOSURES ARE ALLOWED BETWEEN 5:00 A.M. AND 7:30 P.M. THE F.D.O.T. OR LOCAL AUTHORITY HAVING JURISDICTION (AHJ) RESERVES THE RIGHT TO REQUIRE DIFFERENT HOURS OF LANE CLOSURE. ALL LANE CLOSURES MUST BE APPROVED BY THE DEPARTMENT AT LEAST TWO WEEKS PRIOR TO THE LANE CLOSURE IN ACCORDANCE WITH THE DISTRICT LANE CLOSURE POLICY.
8. ALL AREAS WITHIN THE COUNTY OR F.D.O.T. RIGHT-OF-WAY DISTURBED THROUGH THE COURSE OF CONSTRUCTION WILL BE RE-GRADED AND SODDED.
9. IT SHALL BE THE DEVELOPER'S RESPONSIBILITY TO PROTECT ALL COUNTY OR F.D.O.T. OWNED AND/OR MAINTAINED INFRASTRUCTURE. ANY/ALL COSTS ASSOCIATED WITH ALTERATIONS, RELOCATIONS, OR REPAIRS MADE NECESSARY BY THIS DEVELOPMENT SHALL BE BORNE BY EITHER THE OWNER, DEVELOPER, AND/OR CONTRACTOR. SPLICES IN THE FIBER OPTIC CABLE, SIGNALIZATION OR ROADWAY LIGHTING CONDUCTORS, OR THE ADDITION OF ADDITIONAL PULL/JUNCTION BOXES WILL NOT BE PERMITTED. IN THE EVENT A CABLE IS CUT, DAMAGED, OR REQUIRES RELOCATION, THE CABLE(S) SHALL BE RESTORED BACK TO THE ORIGINAL CONFIGURATION. ORIGINAL CONFIGURATION IS DEFINED AS SYSTEM STATUS, LAYOUT, AND DESIGN PRIOR TO ANY WORK COMMENCING.
10. FOR UTILITIES TO BE RELOCATED BY THE UTILITY PROVIDER, CONTRACTOR SHALL COORDINATE DEMOLITION SCHEDULE WITH UTILITY PROVIDERS. DEMOLITION OF SIDEWALKS AND DRIVEWAYS SHALL OCCUR PRIOR TO UTILITY RELOCATIONS.
11. THERE ARE NO KNOWN WATER COURSES, WATER BODIES, FLOODPLAINS, XERIC UPLANDS, WETLANDS, CUTTHROAT GRASS SEEPS, HISTORICAL, AND ARCHAEOLOGICAL RESOURCES, OR CONES OF INFLUENCE FOR POTABLE WELLS, AND AQUIFER RECHARGE AREAS LOCATED WITHIN PROJECT LIMITS.

DATUM NOTE

ELEVATIONS ARE BASED ON NAVD88 DATUM DETERMINED BY GPS OBSERVATIONS AND TIED IN TO THE NGS BENCHMARK NO. AD8671 WITH A PUBLISHED ELEVATION OF 28.85 FEET.

FEMA NOTE

THE PROPERTY IS LOCATED IN OTHER AREAS ZONE X (AREA OF MINIMAL FLOOD HAZARD) PER FIRMETTE ENTITLED "NATIONAL FLOOD HAZARD LAYER FIRMETTE". THIS STATEMENT DOES NOT IMPLY THAT THE PROPERTY AND/OR THE STRUCTURES THEREON WILL BE FREE FROM FLOODING OR FLOOD DAMAGE. ON RARE OCCASIONS, GREATER FLOODS CAN AND WILL OCCUR AND FLOOD HEIGHTS MAY BE INCREASED BY MAN-MADE OR NATURAL CAUSES. THIS STATEMENT SHALL NOT CREATE LIABILITY ON THE PART OF THE SURVEYOR.

GENERAL NOTE

ALL EXISTING TREES WITHIN THE SITE WILL BE REMOVED BY THE MASTER DEVELOPER. THE SITE WILL BE DELIVERED PAD-READY.

THIS PLAN TO BE UTILIZED FOR DEMOLITION PURPOSES ONLY

BOHLER
SITE CIVIL AND CONSULTING ENGINEERING
LAND SURVEYING
PROGRAM MANAGEMENT
LANDSCAPE ARCHITECTURE
INDUSTRIAL ENGINEERING
PERMITTING SERVICES
TRANSPORTATION SERVICES

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REVISIONS

REV	DATE	COMMENT	DRAWN BY / CHECKED BY

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THIS DRAWING IS INTENDED FOR MUNICIPAL AND/OR AGENCY REVIEW AND APPROVAL. IT IS NOT INTENDED AS A CONSTRUCTION DOCUMENT UNLESS INDICATED OTHERWISE.

PROJECT No.:	FLA250154.00
DRAWN BY:	~AH ~
CHECKED BY:	~ BM ~
DATE:	4/15/26
CAD I.D.:	P-CIVL-EXDM

PROJECT:

SITE DEVELOPMENT PLANS

FOR

TACO BELL

TACO BELL - BLACKSTONE

SWC BLACKSTONE DR & SR 82
LEHIGH ACRES, FL 33913
LEE COUNTY
S 20, T 45, R 27E

BOHLER
600 N. WESTSHORE BLVD. SUITE 950
TAMPA, FLORIDA 33609
Phone: (813) 812-4100
Fax: (813) 812-4101
FLORIDA BUSINESS CERT. OF AUTH. No. 30780

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY KYLE STEVEN MOREL, PE, ON THE DATE ADJACENT TO THE SEAL. SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

SHEET TITLE:

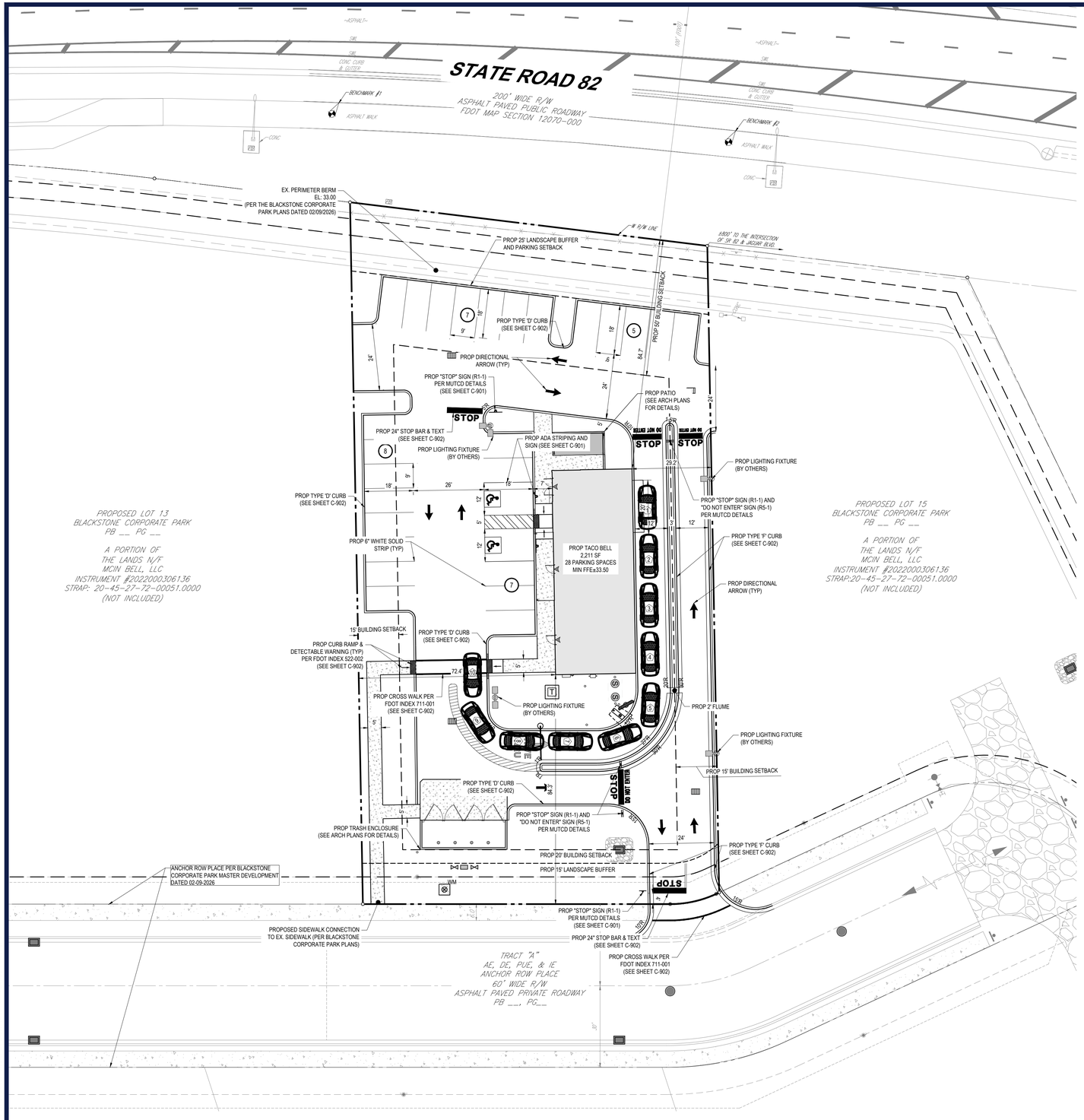
EXISTING CONDITIONS/ DEMOLITION PLAN

SHEET NUMBER:

C-201

ORG. DATE - 4/15/26

Apr 15, 2026
H:\2025\FLA\250154.00\CAD\DRAWINGS\PLAN SETS\CIVIL PLANS\P-CIVIL-EXDM-FLA250154.00-----LAYOUT: C-201 EXDM
AH



PROP SITE LEGEND

PROPERTY LINE	
EASEMENT LINE	
SETBACK LINE	
CURB	
UTILITY POLE	
TYPICAL SIGN	
BOLLARD	
TYPICAL LIGHT	
HEAVY DUTY CONCRETE	
PARKING COUNT	(X)

ZONING TABLE

ZONE: MUPD (MIXED-USE PLANNED DEVELOPMENT)

APPLICANT / OWNER INFORMATION

APPLICANT:	TACO BELL OF AMERICA, LLC 1 GLEN BELL WAY IRVINE, CA 92618

PARCEL INFORMATION

PARCEL NUMBER:	20-45-27-72-00051.0000
SITE ADDRESS:	SWC BLACKSTONE DR & SR 82 LEIGH ACRES, FL 33912
JURISDICTION:	LEE COUNTY
EXISTING LAND USE:	VACANT
FUTURE LAND USE	URBAN COMMUNITY, INDUSTRIAL DEVELOPMENT, AND WETLANDS
PROPOSED LAND USE:	QUICK SERVE RESTAURANT WITH DRIVE-THROUGH
FEMA ZONE:	ZONE X

BULK REQUIREMENTS

ITEM	REQUIRED	PROPOSED
MIN. LOT AREA	10,000 SF	32,729 SF
MIN. STRUCTURE SETBACKS		
FRONT	50'	84.7'
SIDE INTERIOR	15'	29.2' / 72.4'
REAR	15'	84.3'
MIN. LANDSCAPE SETBACKS		
FRONT	25'	25'
SIDE STREET / INTERIOR SIDE	N/A	N/A
REAR	15'	15'
MIN. ACCESS DRIVEWAY WIDTH	24'	24' / 26'
PROPOSED BUILDING HEIGHT	65'	23.55'
MIN. OPEN SPACE	30%	38%
MAX. IMPERVIOUS SURFACE AREA	80%	62%

AREA CALCULATIONS

TOTAL PROJECT AREA	32,729 SF (0.75 AC, 100%)
EXISTING GREEN SPACE	32,729 SF (0.75 AC, 100%)
EXISTING POND AREA	0 SF (0 AC, 0%)
EXISTING TOTAL IMPERVIOUS AREA	0 SF (0 AC, 0%)
EXISTING BUILDING AREA	0 SF (0 AC, 0%)
EXISTING VUA AREA	0 SF (0 AC, 0%)
EXISTING OTHER IMPERVIOUS AREA	0 SF (0 AC, 0%)
PROPOSED GREEN SPACE	12,433 SF (0.29 AC, 38%)
PROPOSED POND AREA	0 SF (0 AC, 0%)
PROPOSED TOTAL IMPERVIOUS AREA	20,296 SF (0.46 AC, 62%)
PROPOSED BUILDING AREA	2,211 SF (0.05 AC, 6.6%)
PROPOSED VUA AREA	16,150 SF (0.37 AC, 50%)
PROPOSED OTHER IMPERVIOUS AREA	1,935 SF (0.04 AC, 5.4%)

PARKING CALCULATIONS

REGULAR PARKING SPACES PROVIDED	26 SPACES
TOTAL ADA SPACES PROVIDED	2 SPACES
TOTAL SPACES PROVIDED	28 SPACES
REQUIRED PARKING SPACES	1 SPACE PER 100 SQ FT OF GROSS FLOOR AREA = 23 SPACES

SITE NOTES

1. THE CONTRACTOR MUST BE FAMILIAR WITH ALL NOTES ON THE GENERAL NOTES SHEET.
2. THE CONTRACTOR SHALL REFERENCE THE GENERAL NOTES SHEET FOR ADA NOTES.
3. THIS SET IS NOT INTENDED FOR BIDDING PURPOSES UNLESS STATED OTHERWISE ON THE PLANS.
4. THE PROPOSED ACTIVITIES SHALL COMPLY WITH AUTHORITY HAVING JURISDICTION (AHJ) DEVELOPMENT REGULATIONS (LATEST EDITION) INCLUDING, BUT NOT LIMITED TO THE TREE AND LANDSCAPE CODE, STORM WATER MANAGEMENT REGULATIONS, AND FIRE CODES AT THE TIME OF PERMITTING.
5. ALL RADII DIMENSIONS ARE 3' AT THE FACE OF CURB UNLESS OTHERWISE NOTED.
6. FREE STANDING SIGNAGE SHOWN ONLY FOR REPRESENTATIONAL PURPOSES, AND SHALL BE PERMITTED SEPARATELY.
7. STANDARD INDICES REFER TO THE LATEST VERSION OF F.D.O.T. "ROADWAY AND TRAFFIC DESIGN STANDARDS" AT THE TIME OF DRAWING PREPARATION.

THIS PLAN TO BE UTILIZED FOR SITE LAYOUT PURPOSES ONLY

BOHLER™

SITE CIVIL AND CONSULTING ENGINEERING
LAND SURVEYING
PROGRAM MANAGEMENT
LANDSCAPE ARCHITECTURE
SUSTAINABILITY SERVICES
PERMITTING SERVICES
TRANSPORTATION SERVICES

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PROJECT No.:	FLA250154.00
DRAWN BY:	~AH ~
CHECKED BY:	~ BM ~
DATE:	4/2/26
CAD I.D.:	P-CIVL-SITE

PROJECT:

SITE DEVELOPMENT PLANS

FOR

TACO BELL

TACO BELL - BLACKSTONE

SWC BLACKSTONE DR & SR 82
LEHIGH ACRES, FL 33913
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S 20, T 45, R 27E

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SHEET TITLE:

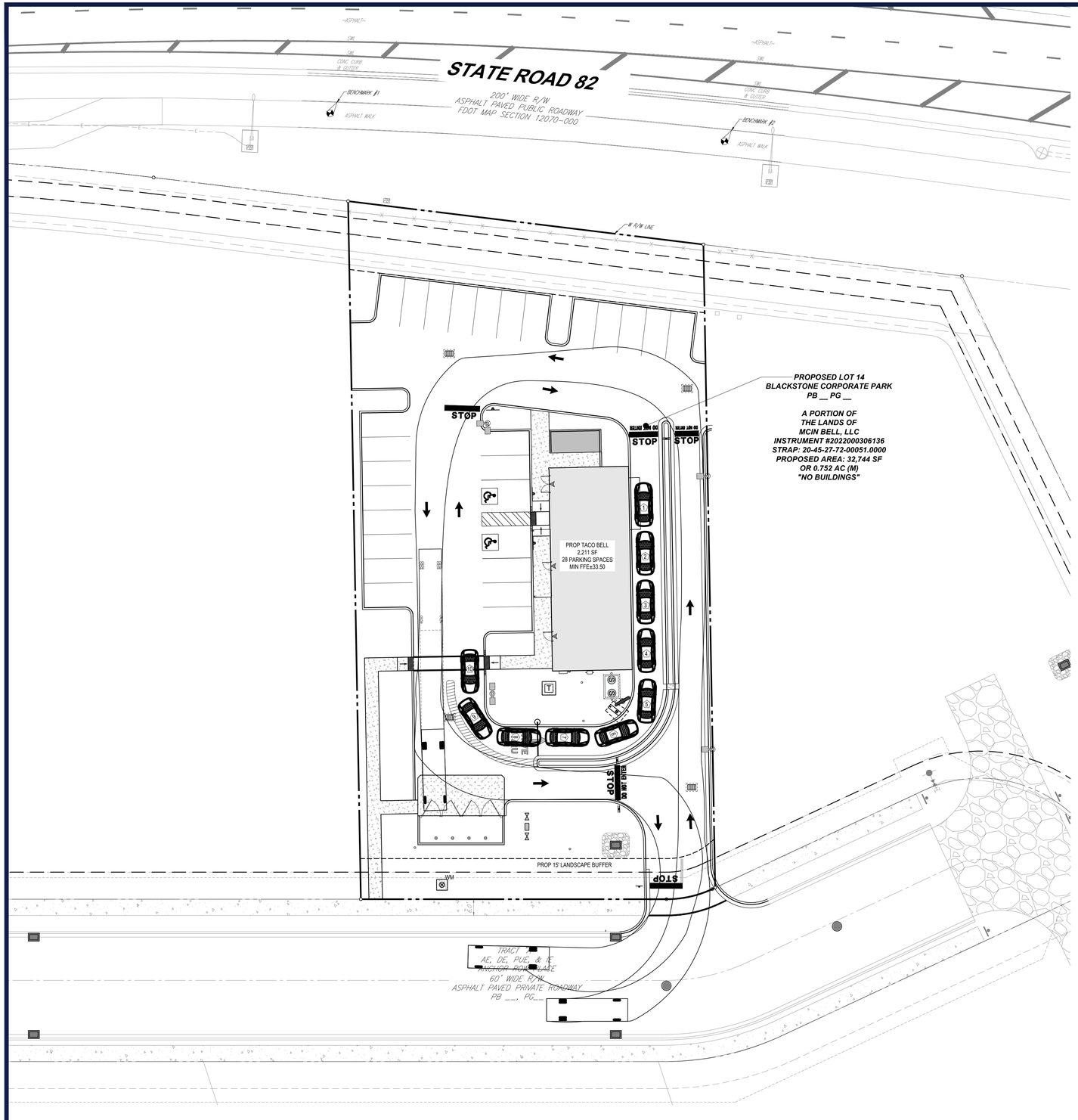
SITE PLAN

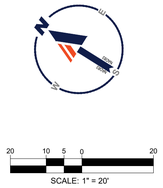
SHEET NUMBER:

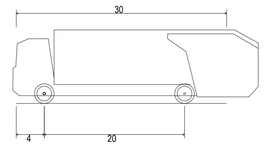
C-301

ORG. DATE - 4/2/26

Apr 02, 2026
AH
H:\2025\FLA250154.00\CAD\DRAWINGS\PLAN SETS\CIVIL PLANS\P-CIVIL SITE-FLA250154.00-BA.----=LAYOUT(C-301 SITE







30' FRONT LOAD GARBAGE TRUCK (GFL ENVIRONMENTAL)

Overall Length	30.000ft
Overall Width	8.375ft
Overall Body Height	10.481ft
Min Body Ground Clearance	0.934ft
Track Width	8.000ft
Lock-to-lock time	5.00s
Max Steering Angle (Virtual)	35.00°

THIS PLAN TO BE UTILIZED FOR SITE LAYOUT PURPOSES ONLY

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PROJECT No.:	FLA250154.00
DRAWN BY:	~AH ~
CHECKED BY:	~ BM ~
DATE:	4/15/26
CAD I.D.:	P-CIVL-SITE

PROJECT:

SITE DEVELOPMENT PLANS

FOR

TACO BELL

TACO BELL - BLACKSTONE

SWC BLACKSTONE DR & SR 82
LEHIGH ACRES, FL 33913
LEE COUNTY
S 20, T 45, R 27E

BOHLER™
600 N. WESTSHORE BLVD. SUITE 950
TAMPA, FLORIDA 33609
Phone: (813) 812-4100
Fax: (813) 812-4101
FLORIDA BUSINESS CERT. OF AUTH. No. 30780

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SHEET TITLE:

TRUCK TURN PLAN

SHEET NUMBER:

C-302

ORG. DATE - 4/15/26

Apr 15, 2026
H:\2025\FLA250154.00\CAD\DRAWINGS\PLAN SETS\CIVIL PLANS\P-CIVL-SITE-FLA250154.00-0A----->LAYOUT: C-302 TRCK
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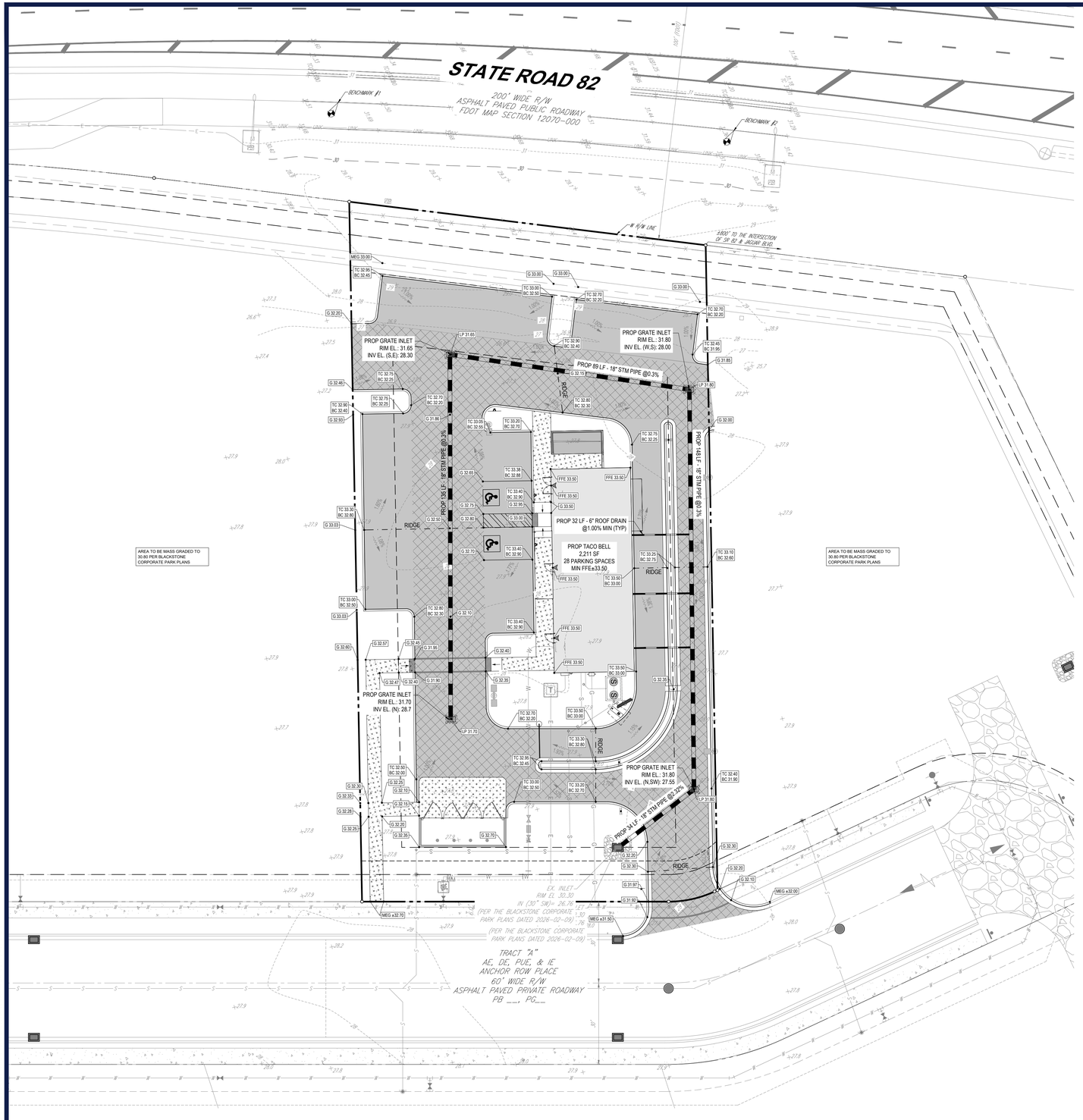



SCALE: 1" = 20'

LEGEND

GRADING PLAN

PROP PROPERTY LINE	
PROP ASPHALT PAVING	
PROP HEAVY DUTY ASPHALT PAVING	
PROP HEAVY DUTY CONCRETE	
PROP SPOT ELEVATION	G 33.00
EX STORM SEWER	
PROP STORM SEWER	
PROP GRATE INLET	
RIDGE LINE	

GENERAL NOTES

1. CONTRACTOR WILL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
2. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO CASTING STRUCTURES.
3. COORDINATE ALL UTILITY LEADS AND BUILDING CONNECTIONS WITH THE ARCHITECTURAL PLANS.
4. STANDARD INDEXES REFER TO THE LATEST EDITION OF F.D.O.T. "ROADWAY AND TRAFFIC DESIGN STANDARDS."
5. ALL DISTURBED AREAS WITHIN RIGHT-OF-WAY WILL NEED TO BE SODDED.

PAVING AND GRADING NOTES

A. GENERAL:
1. ALL ELEVATIONS SHOWN ARE IN REFERENCE TO THE SURVEYOR'S BENCHMARKS AND MUST BE VERIFIED BY THE GENERAL CONTRACTOR PRIOR TO GROUNDBREAK.
2. ALL GRADES SHOWN REFERENCE PROPOSED ELEVATIONS AT EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED. "TC" = TOP OF CURB ELEVATION; "G" = FINISHED GRADE; "MEG" = PROPOSED GRADE TO MATCH EXISTING GRADE; T/W = TOP OF RETAINING WALL ELEVATION; B/W = BOTTOM OF RETAINING WALL ELEVATION.
3. THE ALTA/ACSM LAND TITLE SURVEY SHALL BE CONSIDERED A PART OF THESE PLANS.
4. THE GEOTECHNICAL REPORT AND RECOMMENDATIONS SET FORTH THEREIN ARE A PART OF THE REQUIRED CONSTRUCTION DOCUMENTS AND IN CASE OF CONFLICT SHALL TAKE PRECEDENCE UNLESS SPECIFICALLY NOTED OTHERWISE ON THE PLANS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING OF ANY SUCH DISCREPANCY BETWEEN GEOTECHNICAL REPORT AND PLANS, ETC.
5. ALL UNDERGROUND UTILITIES SHALL BE COMPLETED PRIOR TO CONSTRUCTION OF LIMEROCK BASE.
6. ALL EXISTING PAVEMENT, CUT OR DAMAGED BY CONSTRUCTION, SHALL BE PROPERLY RESTORED AT THE CONTRACTOR'S EXPENSE.
7. WHERE ANY PROPOSED PAVEMENT IS TO BE CONNECTED TO EXISTING PAVEMENT, THE EXISTING EDGE OF PAVEMENT SHALL BE SAWCUT TO ENSURE A PROPER JOINT.
8. PRIOR TO CONSTRUCTION OR INSTALLATION, SHOP DRAWINGS SHALL BE SUBMITTED TO AND APPROVED BY THE ENGINEER OF RECORD. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL OTHER AGENCY APPROVALS IF REQUIRED.
9. AREA TO BE MASS GRADED TO 30.80 PER BLACKSTONE CORPORATE PARK PLANS.

B. MATERIALS:
1. BASE COURSE SHALL BE ABC-3 PER F.D.O.T. SPECIFICATIONS OR EQUIVALENT LIMEROCK THICKNESS W/ MINIMUM LBR-100 (MAX. 6" LIFTS).
2. ASPHALT SURFACES SHALL BE TYPE S-III ASPHALTIC CONCRETE, UNLESS OTHERWISE SPECIFIED ON THE PLANS, SHALL BE A MINIMUM OF 1-1/2" THICK, AND SHALL BE CONSTRUCTED IN TWO 3/4" LIFTS, WITH TACKCOAT BETWEEN LIFTS.
3. REINFORCED CONCRETE SLABS SHALL BE CONSTRUCTED OF CLASS I CONCRETE WITH A MINIMUM STRENGTH OF 3,000 PSI AND SHALL BE REINFORCED WITH A 6" x 6" NO. 6 GAUGE WIRE MESH.

C. INSTALLATION:
1. SUBGRADE FOR ROADWAY SHALL BE COMPACTED TO A MINIMUM OF 98% OF THE MAXIMUM DENSITY (AASHTO T-180), SHALL BE A MINIMUM 12", AND SHALL HAVE A MINIMUM LBR 40.
2. BASE COURSE MATERIAL FOR PAVED AREAS SHALL BE A MINIMUM THICKNESS OF 6" PLACED IN ONE LIFT. ADDITIONALLY, BASE COURSE MATERIAL SHALL HAVE A MINIMUM MARSHALL STABILITY OF 1000, UNLESS OTHERWISE INDICATED (OR LBR-100).
3. BASE COURSE SHALL BE COMPACTED TO 98% OF THE MAXIMUM DENSITY AS PER AASHTO T-180.
4. INSTALLATION OF THE WEARING SURFACE SHALL CONFORM TO THE REQUIREMENTS OF THE D.O.T. STANDARD SPECIFICATIONS FOR TYPE S-III ASPHALTIC CONCRETE OR THE LATEST REVISION.

D. TESTING
1. THE FINISHED SURFACE OF THE BASE COURSE AND THAT OF THE WEARING SURFACE SHALL NOT VARY MORE THAN 1/4" FROM THE TEMPLATE. ANY IRREGULARITIES EXCEEDING THIS LIMIT SHALL BE CORRECTED.
2. DENSITY TESTS SHALL BE TAKEN BY AN INDEPENDENT TESTING LABORATORY CERTIFIED BY THE STATE OF FLORIDA, WHERE DIRECTED BY THE ENGINEER.
3. ALL TESTING COSTS (PAVING) SHALL BE PAID FOR BY THE CONTRACTOR.
4. DENSITY TESTS ON THE STABILIZED SUBGRADE SHALL BE SUPPLIED TO AND APPROVED BY THE ENGINEER OF RECORD AND GEOTECHNICAL ENGINEER BEFORE ANY BASE IS CONSTRUCTED.
5. DENSITY TESTS AND "AS-BUILTS" ON THE FINISHED BASE SHALL BE SUPPLIED TO AND APPROVED BY THE GEOTECHNICAL ENGINEER BEFORE ANY ASPHALT PAVEMENT IS CONSTRUCTED.

DATUM NOTE

ELEVATIONS ARE BASED ON NAVD88 DATUM DETERMINED BY GPS OBSERVATIONS AND TIED IN TO THE NGS BENCHMARK NO. AD8671 WITH A PUBLISHED ELEVATION OF 28.85 FEET.

FEMA NOTE

THE PROPERTY IS LOCATED IN OTHER AREAS ZONE X (AREA OF MINIMAL FLOOD HAZARD) PER FIRMETTE ENTITLED "NATIONAL FLOOD HAZARD LAYER FIRMETTE". THIS STATEMENT DOES NOT IMPLY THAT THE PROPERTY AND/OR THE STRUCTURES THEREON WILL BE FREE FROM FLOODING OR FLOOD DAMAGE. ON RARE OCCASIONS, GREATER FLOODS CAN AND WILL OCCUR AND FLOOD HEIGHTS MAY BE INCREASED BY MAN-MADE OR NATURAL CAUSES. THIS STATEMENT SHALL NOT CREATE LIABILITY ON THE PART OF THE SURVEYOR.

DEWATERING NOTE

CONTRACTOR SHALL SUBMIT DEWATERING PLAN TO THE DISTRICT 14 DAYS PRIOR TO COMMENCEMENT, SUBJECT PLANS SHALL BE REVISED AS NECESSARY.

STORM DRAINAGE NOTES

A. GENERAL:
1. DISTANCES AND LENGTHS OF PIPE SHOWN ON PLANS ARE REFERENCED TO THE CENTER OF STRUCTURES.

B. MATERIALS:
1. REINFORCED CONCRETE PIPE (RCP) SHALL MEET THE REQUIREMENTS OF ASTM C-76, CLASS III, WALL THICKNESS "B", LATEST REVISION. RUBBER GASKETS OR OTHER MANUFACTURER SUPPLIED JOINT SEALER SHALL BE USED.
2. ALL PVC DRAINAGE PIPE AND FITTINGS SHALL BE NON-PRESSURE POLYVINYL CHLORIDE (PVC) PIPE CONFORMING TO ASTM D 3034, SDR 35, WITH PUSH-ON RUBBER GASKET JOINTS.
3. ALL HIGH DENSITY POLYETHYLENE PIPE AND FITTINGS SHALL MEET THE REQUIREMENTS OF AASHTO M - 294 LATEST REVISIONS. ALL PIPING TO BE NON-PERFORATED TUBING.

C. INSTALLATION:
1. PIPE SHALL BE PLACED ON A MINIMUM OF 8" STABLE GRANULAR MATERIAL FREE OF ROCK FORMATION AND OTHER FOREIGN FORMATIONS, AND CONSTRUCTED TO A UNIFORM GRADE AND LINE.
2. BACKFILL MATERIAL SHALL BE WELL GRADED GRANULAR MATERIAL, WELL TAMPED IN LAYERS NOT TO EXCEED 6" TO A HEIGHT OF 12" ABOVE PIPE AS SHOWN ON THE PLANS.
3. PROVIDE A MINIMUM PROTECTIVE COVER OF 18" OVER STORM SEWER AND AVOID UNNECESSARY CROSSING BY HEAVY CONSTRUCTION VEHICLES DURING CONSTRUCTION.

D. CONNECTIONS TO EXISTING STORM STRUCTURES:
1. THE HOLE INTO THE EXISTING STRUCTURE SHALL BE SAW CUT OR CORE DRILLED.
2. USE NON-SHRINKING GROUT TO FILL ALL GAPS AROUND THE JOINT.
3. AFTER PIPE IS CONNECTED WITH THE INLET, THE END OF THE PIPE MUST BE CUT FLUSH WITH THE INSIDE SURFACE OF THE INLET.
4. REFER TO F.D.O.T. STANDARD PLAN INDEX 425-001 FOR FILTER FABRIC WRAP ON GROUTED PIPE TO STRUCTURE JOINT DETAIL.

MASTER DEVELOPMENT PERMIT NUMBERS:

1. SFWMD ERP PERMIT # 36-110668-P
2. LA-MSID PERMIT# 25-40
3. FGUA: 24-088-LED
4. FDOT ACCESS PERMIT# 2025-A-192-00019
5. FDOT DRAINAGE PERMIT# 2025-D-192-00029

PER THE BLACKSTONE CORPORATE PARK PLANS DATED 02/09/2026:

SURFACE WATER MANAGEMENT SUMMARY FOR SITE BASIN EAST (FT - NAVD)	
SFWMD 10, 1 DAY	30.64 Ft
SFWMD 25 YEAR, 3 DAY	31.59 Ft
SFWMD 25 YEAR, 3 DAY BACKTO BACK	31.64 Ft
SFWMD 100 YEAR, ZERO DISCHARGE	32.30 Ft
FDOT 100 YEAR CRITICAL	31.95 Ft

THIS PLAN TO BE UTILIZED FOR GRADING, DRAINAGE AND UTILITIES PURPOSES ONLY

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PROJECT No.:	FLA250154.00
DRAWN BY:	~AH ~
CHECKED BY:	~ BM ~
DATE:	4/15/26
CAD I.D.:	P-CIVL-GRDR

PROJECT:

SITE DEVELOPMENT PLANS

FOR

TACO BELL

TACO BELL - BLACKSTONE

SWC BLACKSTONE DR & SR 82
LEHIGH ACRES, FL 33913
LEE COUNTY
S 20, T 45, R 27E

BOHLER
600 N. WESTSHORE BLVD. SUITE 950
TAMPA, FLORIDA 33609
Phone: (813) 812-4100
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SHEET TITLE:

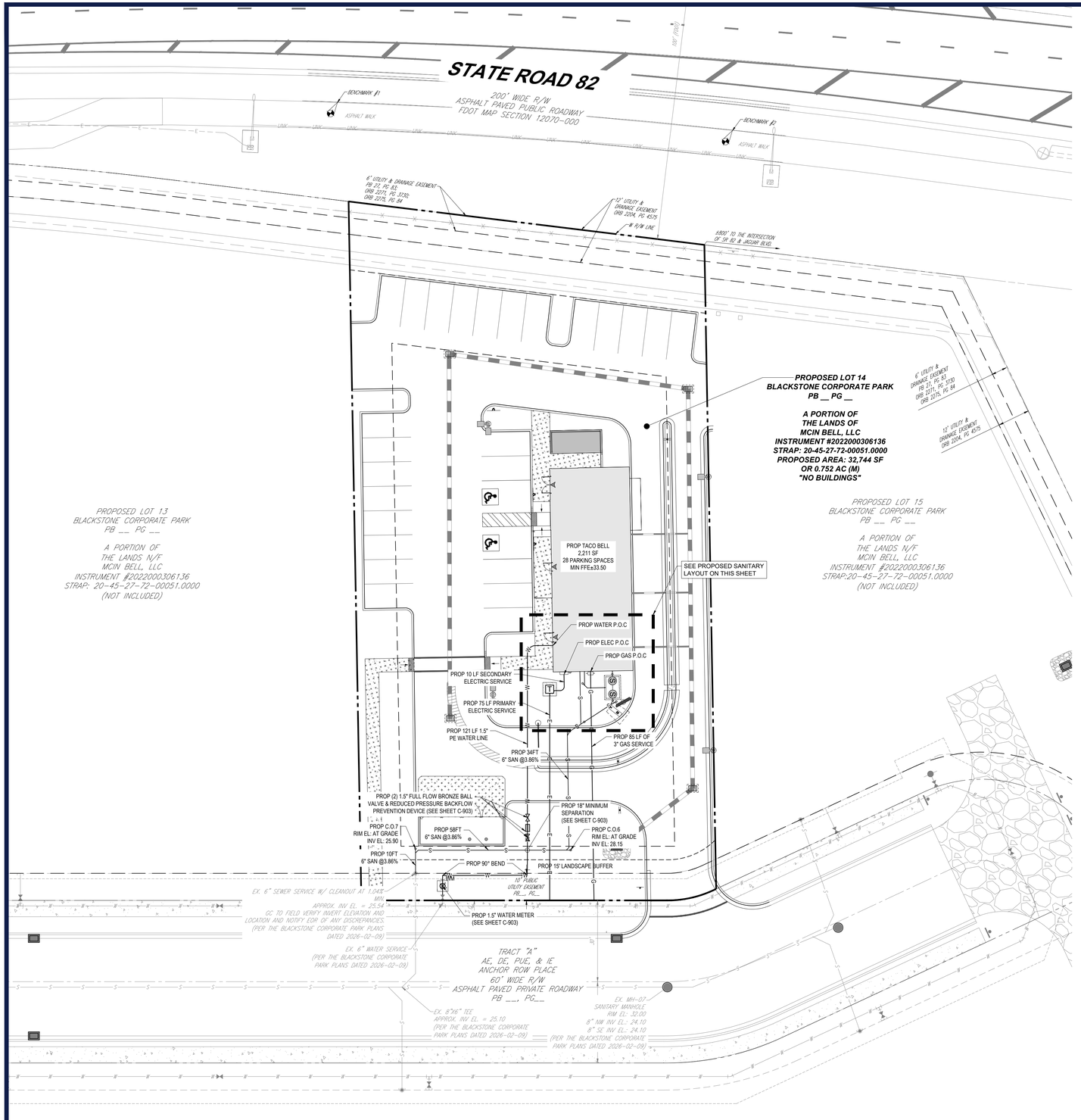
GRADING AND DRAINAGE PLAN

SHEET NUMBER:

C-401

ORG. DATE - 4/15/26

Apr 15, 2026
H:\2025\FLA250154.00\CAD\DRAWINGS\PLAN SETS\CIVIL PLANS\P-CIVL-GRDR-FLA250154.00-SA-----LAYOUT: C-401 GRDR
AH





20 10 5 0 20

SCALE: 1" = 20'

LEGEND

UTILITY PLAN

- EX. UNDERGROUND WATER LINE
- EX. UNDERGROUND ELECTRIC LINE
- EX. STORM SEWER
- EX. SANITARY SEWER MAIN
- EX. GAS LINE
- EX. OVERHEAD LINE
- EX. SANITARY MANHOLE
- PROP UNDERGROUND WATER LINE
- PROP UNDERGROUND ELECTRIC LINE
- PROP STORM SEWER
- PROP SANITARY SEWER MAIN
- PROP GAS LINE
- PROP SANITARY CLEANOUT
- PROP GREASE TRAP

GENERAL NOTE

ALL ONSITE WATER AND SEWER DISTRIBUTION/COLLECTION LINES/MAINS TO BE PRIVATELY OWNED & MAINTAINED UNLESS OR UNTIL A UTILITY EASEMENT IS DESCRIBED & APPROVED BY ALL INVOLVED PARTIES.

SANITARY SEWER NOTES

A. GENERAL:
1. DISTANCE AND LENGTHS SHOWN ON PLANS AND PROFILE DRAWINGS ARE REFERENCED TO THE CENTER OF STRUCTURES.
2. PRIOR TO COMMENCING CONSTRUCTION, CONTRACTOR TO TELEVISE EXISTING SANITARY SEWER LINE FROM POINT OF CONNECTION THROUGH THE NEXT SEQUENTIAL DOWNSTREAM RUN OF PIPE. ADDITIONALLY, PRIOR TO COMPLETION OF CONSTRUCTION, CONTRACTOR SHALL TELEVISE THE NEWLY INSTALLED SANITARY SEWER MAIN TO ENSURE NO DIPS OR DEBRIS WITHIN LINE.
3. EXISTING SERVICES WITHIN MANHOLES SHALL BE RELOCATED TO NEW SEWER.
4. BYPASS PUMPING MAY BE REQUIRED AND SANITARY SERVICE MAINTAINED WHILE EXISTING SEWER IS BEING REPLACED.
5. CONTRACTOR WILL BE REQUIRED TO COORDINATE WITH CITY WITH MAKING CONNECTION TO PUMP STATION / MANHOLE.
6. CONTRACTOR MUST COORDINATE WITH CITY AND SHOPPING CENTER AND PROVIDE AT LEAST 48-HOURS NOTICE PRIOR TO REPLACING SERVICES.

B. MATERIALS:
1. ALL PVC SEWER PIPE AND FITTINGS SHALL BE NON-PRESSURE POLYVINYL CHLORIDE (PVC) PIPE CONFORMING TO ASTM D 3034, SDR 26, WITH PUSH-ON RUBBER GASKET JOINTS.
2. ALL FITTINGS AND ACCESSORIES SHALL BE AS MANUFACTURED OR SUPPLIED BY THE PIPE MANUFACTURER OR APPROVED EQUAL.
3. ALL SANITARY CLEANOUTS WITHIN PAVEMENT SHALL HAVE A LID THAT IS H20 LOADING.

C. INSTALLATION:
1. PIPE AND FITTINGS:
   a. SEWER PIPE SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, AND THE UNI-BELL PLASTICS PIPE ASSOCIATION'S 'RECOMMENDED PRACTICE FOR THE INSTALLATION OF PVC SEWER PIPE.'
   b. BEDDING AND INITIAL BACKFILL (12") OVER SEWER MAINS AND SERVICES SHALL BE SAND WITH NO ROCK LARGER THAN 1" IN DIAMETER. PEA ROCK OR 3/4 " WASHED ROCK WILL BE USED IN WATER OR WHERE UNSUITABLE BEDDING EXISTS. ALL OTHER FILL SHALL NOT HAVE ROCK LARGER THAN 6" IN DIAMETER.
2. CLEANOUTS:
   a. CLEANOUTS SHALL BE SET PLUMB TO LINE AND GRADE ON FIRM CLEAN SUBGRADE PROVIDING UNIFORM BEARING UNDER THE BASE.
   b. ALL OPENINGS AND JOINTS SHALL BE SEALED WATER-TIGHT.
3. SERVICE:
   a. MINIMUM SLOPE OF ALL SERVICE LINES SHALL BE 1.00%.
   b. EACH SERVICE CONNECTION SHALL BE PLUGGED WATER-TIGHT WITH AN APPROVED PLUG.
   c. CONNECTION OF SERVICES TO BUILDING'S PLUMBING SHALL BE COORDINATED WITH THE ARCHITECTURAL DRAWINGS.

D. TESTING:
1. AFTER CONSTRUCTION OF THE SEWER SYSTEM, THE ENGINEER MAY REQUIRE A VISUAL INFILTRATION AND/OR EXFILTRATION TEST TO BE PERFORMED ON THE ENTIRE SYSTEM OR ANY PART THEREOF.
2. AN AIR TEST MAY BE SUBSTITUTED FOR THE WATER EXFILTRATION TEST, UPON APPROVAL OF THE ENGINEER.
3. SEWER PIPE LEAKAGE ALLOWABLE SHALL NOT EXCEED 150 GALLONS PER DAY PER INCH DIAMETER PER MILE IN A TWO HOUR TEST PERIOD FOR ANY SECTION TESTED. NO VISIBLE LEAKAGE SHALL BE ALLOWED.
4. CONTRACTOR IS RESPONSIBLE FOR CORRECTING ANY DEFICIENCIES PRIOR TO THE CERTIFICATION TO ANY AGENCY.
5. GENERAL CONTRACTOR SHALL EMPLOY AN INDEPENDENT INSPECTOR FOR 100% CONTINUOUS INSPECTION OF THE BEDDING AND BACKFILL OPERATION. COMPACTION TEST SHALL BE TAKEN AT THE BOTTOM OF TRENCH AND AT EACH LIFT OF BACKFILL.
6. GENERAL CONTRACTOR SHALL EMPLOY A LICENSED SURVEYOR AS-BUILT TOP OF PIPE ELEVATIONS TAKEN WHEN BEDDING OPERATIONS IS 75% COMPLETE. THESE ELEVATIONS SHALL BE TAKEN AT POINTS OF CONNECTION, CHANGES IN DIRECTION AND AT MINIMUM 20' INTERVALS ALONG THE LENGTH OF THE PIPE. THESE ELEVATIONS SHALL BE RECORDED AS AS-BUILT DIMENSIONS ON SITE PLAN REVIEW BY PROJECT ENGINEER.
7. ALL SANITARY LINES ARE TO BE FLUSHED PRIOR TO CONTRACTOR TURNOVER OF THE FACILITY.

WATER DISTRIBUTION NOTES

1. CONTRACTOR SHALL FOLLOW GUIDELINES AND PROCEDURES OUTLINED BY UTILITY PROVIDER, AND HAVE UTILITY PROVIDER'S MANUAL ON-SITE AT ALL TIMES. THIS POLICY MANUAL SHALL BE CONSIDERED PART OF THE CONSTRUCTION DOCUMENTS AS IT PERTAINS TO APPROVED MATERIALS, INSTALLATION METHODS, INSPECTION NOTIFICATION, AND AS-BUILT/PROJECT CLOSEOUT REQUIREMENTS.
2. ALL HIGH DENSITY POLYETHYLENE PIPE AND FITTINGS SHALL MEET THE REQUIREMENTS OF AASHTO M - 294 LATEST REVISIONS. ALL PIPING TO BE NON-PERFORATED TUBING.
3. CONTRACTOR TO COORDINATE WITH COUNTY AND ADJACENT PROPERTY OWNERS AND BUSINESSES FOR ANY ANTICIPATED WATER INTERRUPTIONS FOR CONNECTION TO EXISTING WATER LINE.
4. CONTRACTOR TO DEFLECT OR BEND WATER LINES AS NECESSARY TO MAINTAIN 12" VERTICAL SEPARATION FROM STORM SEWER PER FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION.

SANITARY SEWER GRAVITY NOTES

1. IF REQUIRED, THE CONTRACTOR SHALL RECONSTRUCT THE BENCH IN THE EXISTING MANHOLE TO ACCOMMODATE THE NEW FLOW DIRECTION.
2. WASTEWATER FLOW IN THE EXISTING SEWER MUST BE MAINTAINED DURING THE INSTALLATION OF THE LATERAL. IF A BY-PASS IS REQUIRED, THE CONTRACTOR MUST SUBMIT DETAILS OF THE SYSTEM FOR REVIEW AND APPROVAL TO THE LEE COUNTY PUBLIC WORKS DEPARTMENT PRIOR TO STARTING CONSTRUCTION.

DATUM NOTE

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FEMA NOTE

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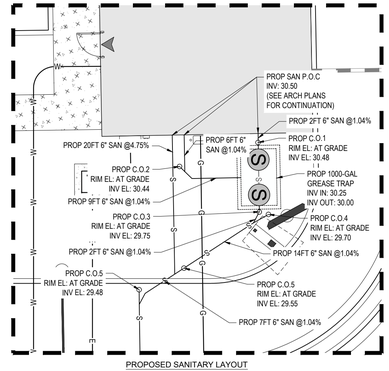

PROPOSED SANITARY LAYOUT

10 5 2.5 0 10

SCALE: 1" = 10'

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PROJECT No.:	FLA250154.00
DRAWN BY:	~AH ~
CHECKED BY:	~ BM ~
DATE:	4/15/26
CAD I.D.:	P-CIVL-UTIL

PROJECT:

SITE DEVELOPMENT PLANS

FOR

TACO BELL

TACO BELL - BLACKSTONE

SWC BLACKSTONE DR & SR 82
LEHIGH ACRES, FL 33913
LEE COUNTY
S 20, T 45, R 27E

BOHLER™

600 N. WESTSHORE BLVD. SUITE 950
TAMPA, FLORIDA 33609
Phone: (813) 812-4100
Fax: (813) 812-4101

FLORIDA BUSINESS CERT. OF AUTH. No. 30780

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SHEET TITLE:

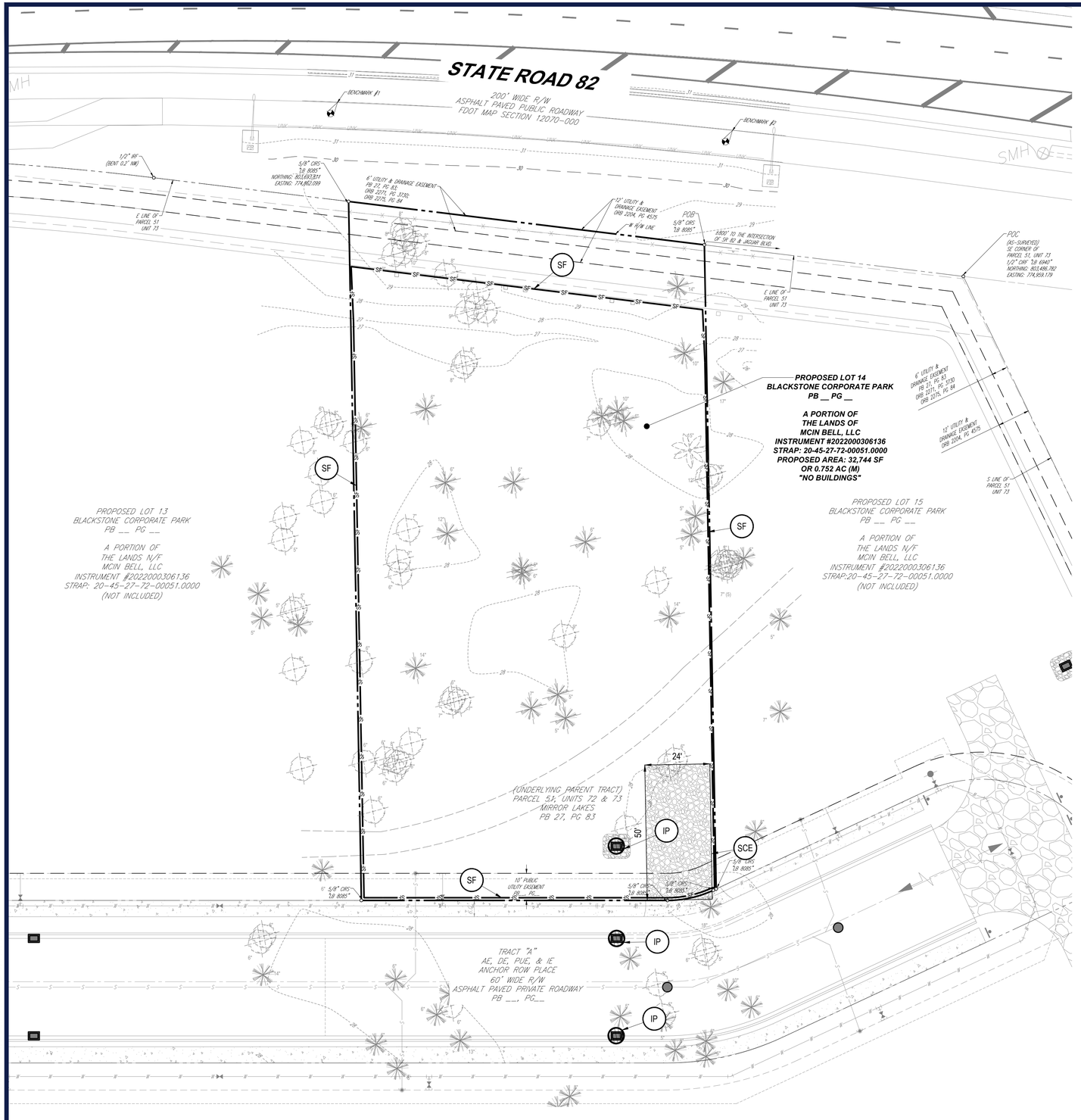
UTILITY PLAN

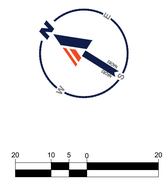
SHEET NUMBER:

C-501

ORG. DATE - 4/15/26

Apr 15, 2026
H:\2025\FLA250154.00\CAD\DRAWINGS\PLAN SETS\CIVIL PLANS\P-CIVIL-UTIL-FLA250154.00-SIA.dwg, ---=LAYOUT: C-501 UTIL, AH





LEGEND

SOIL EROSION AND SEDIMENT CONTROL PLAN PHASE I

ONSITE PROPERTY LINE / R.O.W. LINE	
NEIGHBORING PROPERTY LINE	
EX. EASEMENT	
EX. ROADWAY C/L	
EX. OVERHEAD ELECTRIC	OH OH OH
EX. STORM SEWER	
EX. SANITARY LINE	S S S
EX. FENCE	X X X
EX. SPOT ELEVATION	8' SWA DF SWA
EX. TREE	20" PINE
EX. CONCRETE	
TO BE REMOVED/ TO BE RELOCATED	(TBR)/(TBRL)
SOIL TRACKING PREVENTION MAT	
PROP. SILT FENCE	SF SF
PROP. INLET PROTECTION	
CONC. TO BE REMOVED	
ASPHALT TO BE REMOVED	
EX. TREE TO BE REMOVED	20" PINE

DEMOLITION NOTES

1. BOHLER FL, LLC IS NOT RESPONSIBLE FOR JOB SITE SAFETY OR SUPERVISION. CONTRACTOR IS TO PROCEED WITH THE DEMOLITION IN A SYSTEMATIC AND SAFE MANNER, FOLLOWING ALL THE OSHA REQUIREMENTS, TO ENSURE PUBLIC AND CONTRACTOR SAFETY.
2. ALL DEMOLITION ACTIVITIES ARE TO BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AS WELL AS ALL FEDERAL, STATE, AND LOCAL REGULATIONS. ANY DISCREPANCIES OR DEVIATIONS SHALL BE IDENTIFIED BY THE CONTRACTOR TO BOHLER FL, LLC IN WRITING FOR RESOLUTION PRIOR TO INITIATION OF SITE ACTIVITY.
3. PRIOR TO STARTING ANY DEMOLITION CONTRACTOR IS RESPONSIBLE FOR/TO:
   A. THE CONTRACTOR SHALL OBTAIN A SUNSHINE STATE ONE CALL LOCATION CERTIFICATION PRIOR TO ANY EXCAVATION OR DEMOLITION. THE NUMBER IS 1-800-432-4770.
   B. ENSURING COPIES OF ALL PERMITS AND APPROVALS MUST BE MAINTAINED ON SITE AND AVAILABLE FOR REVIEW.
   C. INSTALLING THE REQUIRED SOIL EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO SITE DISTURBANCE.
   D. LOCATE/CAP ALL UTILITIES AND SERVICES, INCLUDING BUT NOT LIMITED TO GAS, WATER, ELECTRIC, SANITARY AND STORM SEWER, TELEPHONE, CABLE, FIBER OPTIC CABLE, ETC. WITHIN THE LIMITS OF DISTURBANCE.
   E. PROTECTING AND MAINTAINING IN OPERATION, ALL ACTIVE SYSTEMS THAT ARE NOT BEING REMOVED DURING ALL DEMOLITION ACTIVITIES.
   F. FAMILIARIZING THEMSELVES WITH THE APPLICABLE UTILITY SERVICE PROVIDER AND BEING RESPONSIBLE FOR ALL COORDINATION REGARDING UTILITY DEMOLITION REQUIRED FOR THE PROJECT. THE CONTRACTOR SHALL PROVIDE THE OWNER WRITTEN NOTIFICATION THAT THE EXISTING UTILITIES AND SERVICES HAVE BEEN TERMINATED AND ABANDONED IN ACCORDANCE WITH JURISDICTION AND UTILITY COMPANY REQUIREMENTS.
   G. COORDINATION WITH UTILITY COMPANIES REGARDING WORKING "OFF-PEAK" HOURS OR ON WEEKENDS AS MAY BE REQUIRED TO MINIMIZE THE IMPACT ON THE AFFECTED PARTIES.
   H. A COMPLETE INSPECTION OF CONTAMINANTS BY A LICENSED ENVIRONMENTAL TESTING AGENCY, OF ALL BUILDINGS AND/OR STRUCTURES TO BE REMOVED. SAME SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL ENVIRONMENTAL REGULATIONS. ANY/ALL CONTAMINANTS SHALL BE REMOVED AND DISPOSED OF BY A FEDERALLY LICENSED CONTRACTOR IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS. ALL ENVIRONMENTAL WORK INCLUDING HAZARDOUS MATERIAL, SOILS, ASBESTOS, OR OTHER REFERENCED OR IMPLIED HEREIN IS THE SOLE RESPONSIBILITY OF THE OWNER'S ENVIRONMENTAL CONSULTANT.
4. THE CONTRACTOR SHALL PROVIDE ALL THE "MEANS AND METHODS" NECESSARY TO PREVENT MOVEMENT, SETTLEMENT, OR COLLAPSE OF EXISTING STRUCTURES, AND ANY OTHER IMPROVEMENTS THAT ARE REMAINING ON OR OFF SITE. THE DEMOLITION CONTRACTOR IS RESPONSIBLE FOR ALL REPAIRS OF DAMAGE TO ALL ITEMS THAT ARE TO REMAIN AS A RESULT OF HIS ACTIVITIES. ALL REPAIRS SHALL USE NEW MATERIAL. THE REPAIRS SHALL RESTORE THE ITEM TO THE PRE-DEMOLITION CONDITION.
5. IN THE ABSENCE OF SPECIFICATIONS, THE CONTRACTOR SHALL PERFORM EARTH MOVEMENT ACTIVITIES, DEMOLITION AND REMOVAL OF ALL FOUNDATION WALLS, FOOTINGS, AND OTHER MATERIALS WITHIN THE LIMITS OF DISTURBANCE IN ACCORDANCE WITH DIRECTION BY OWNER'S STRUCTURAL OR GEOTECHNICAL ENGINEER.
6. EXPLOSIVES SHALL NOT BE USED WITHOUT PRIOR WRITTEN CONSENT OF BOTH THE OWNER AND APPLICABLE GOVERNMENTAL AUTHORITIES. ALL THE REQUIRED PERMITS AND EXPLOSIVE CONTROL MEASURES THAT ARE REQUIRED BY THE FEDERAL, STATE, AND LOCAL REGULATIONS SHALL BE IN PLACE PRIOR TO STARTING AN EXPLOSIVE PROGRAM. THE CONTRACTOR IS ALSO RESPONSIBLE FOR ALL INSPECTION AND SEISMIC VIBRATION TESTING THAT IS REQUIRED TO MONITOR THE EFFECTS ON ALL LOCAL STRUCTURES.
7. CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL AND GENERALLY ACCEPTED SAFE PRACTICES IN CONFORMANCE WITH: THE "MANUAL ON UNIFORM TRAFFIC CONTROL," AS WELL AS FEDERAL, STATE, AND LOCAL REGULATIONS WHEN DEMOLITION RELATED ACTIVITIES IMPACT ROADWAYS OR ROADWAY RIGHT - OF - WAY.
8. CONDUCT DEMOLITION ACTIVITIES IN SUCH A MANNER TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, SIDEWALKS, WALKWAYS, AND OTHER ADJACENT FACILITIES. STREET CLOSURE PERMITS MUST BE RECEIVED FROM THE APPROPRIATE GOVERNMENTAL AUTHORITY.
9. DEMOLITION ACTIVITIES AND EQUIPMENT SHALL NOT USE AREAS OUTSIDE THE DEFINED PROPERTY LINE WITHOUT WRITTEN PERMISSION OF THE OWNER, AND/OR APPROPRIATE GOVERNMENT AGENCY.
10. USE DUST CONTROL MEASURES TO LIMIT AIRBORNE DUST AND DIRT RISING AND SCATTERING IN THE AIR IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS. AFTER THE DEMOLITION IS COMPLETE, ADJACENT STRUCTURES AND IMPROVEMENTS SHALL BE CLEANED OF ALL DUST AND DEBRIS CAUSED BY THE DEMOLITION OPERATIONS. THE CONTRACTOR IS RESPONSIBLE FOR RETURNING ALL ADJACENT AREAS TO THEIR "PRE-DEMOLITION" CONDITION.
11. CONTRACTOR IS RESPONSIBLE TO SAFEGUARD SITE AS NECESSARY TO PERFORM THE DEMOLITION IN SUCH A MANNER AS TO PREVENT THE ENTRY OF UNAUTHORIZED PERSONS AT ANY TIME.
12. THIS DEMOLITION PLAN IS INTENDED TO IDENTIFY THOSE EXISTING ITEMS/CONDITIONS WHICH ARE TO BE REMOVED. IT IS NOT INTENDED TO PROVIDE DIRECTION OTHER THAN THAT ALL METHODS AND MEANS ARE TO BE IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OSHA AND OTHER SAFETY PRECAUTIONS NECESSARY TO PROVIDE A SAFE WORK SITE.
13. DEBRIS SHALL NOT BE BURIED ON THE SUBJECT SITE. ALL DEMOLITION WASTES AND DEBRIS (SOLID WASTE) SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS AND APPLICABLE CODES.
14. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL EXISTING SITE IMPROVEMENTS AND UTILITIES. ALL DISCREPANCIES SHALL BE IDENTIFIED TO THE ENGINEER IN WRITING.
15. ALL EXISTING UTILITIES BEING REMOVED SHALL BE DONE SO BY THE CONTRACTOR IN ACCORDANCE WITH STATE AND LOCAL REGULATIONS.
16. THERE ARE NO KNOWN WATER COURSES, WATER BODIES, FLOODPLAINS, XERIC UPLANDS, WETLANDS, CUTTHROAT GRASS SEEPS, HISTORICAL, AND ARCHAEOLOGICAL RESOURCES, OR CONES OF INFLUENCE FOR POTABLE WELLS, AQUIFER RECHARGE AREAS, SOIL TYPES, AND VEGETATIVE COVER LOCATED WITHIN PROJECT LIMITS.

DATUM NOTE

ELEVATIONS ARE BASED ON NAVD88 DATUM DETERMINED BY GPS OBSERVATIONS AND TIED IN TO THE NGS BENCHMARK NO. AD8671 WITH A PUBLISHED ELEVATION OF 28.85 FEET.

FEMA NOTE

THE PROPERTY IS LOCATED IN OTHER AREAS ZONE X (AREA OF MINIMAL FLOOD HAZARD) PER FIRMETTE ENTITLED "NATIONAL FLOOD HAZARD LAYER FIRMETTE". THIS STATEMENT DOES NOT IMPLY THAT THE PROPERTY AND/OR THE STRUCTURES THEREON WILL BE FREE FROM FLOODING OR FLOOD DAMAGE. ON RARE OCCASIONS, GREATER FLOODS CAN AND WILL OCCUR AND FLOOD HEIGHTS MAY BE INCREASED BY MAN-MADE OR NATURAL CAUSES. THIS STATEMENT SHALL NOT CREATE LIABILITY ON THE PART OF THE SURVEYOR.

THIS PLAN TO BE UTILIZED FOR SOIL EROSION AND SEDIMENT CONTROL PURPOSES ONLY

BOHLER
SITE CIVIL AND CONSULTING ENGINEERING
LAND SURVEYING
PROGRAM MANAGEMENT
LANDSCAPE ARCHITECTURE
PLANNING SERVICES
PERMITTING SERVICES
TRANSPORTATION SERVICES

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PROJECT No.:	FLA250154.00
DRAWN BY:	~AH ~
CHECKED BY:	~ BM ~
DATE:	4/15/26
CAD I.D.:	P-CIVIL-EROS

PROJECT:

SITE DEVELOPMENT PLANS

FOR

TACO BELL

TACO BELL - BLACKSTONE

SWC BLACKSTONE DR & SR 82
LEHIGH ACRES, FL 33913
LEE COUNTY
S 20, T 45, R 27E

BOHLER
600 N. WESTSHORE BLVD. SUITE 950
TAMPA, FLORIDA 33609
Phone: (813) 812-4100
Fax: (813) 812-4101
FLORIDA BUSINESS CERT. OF AUTH. No. 30780

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SHEET TITLE:

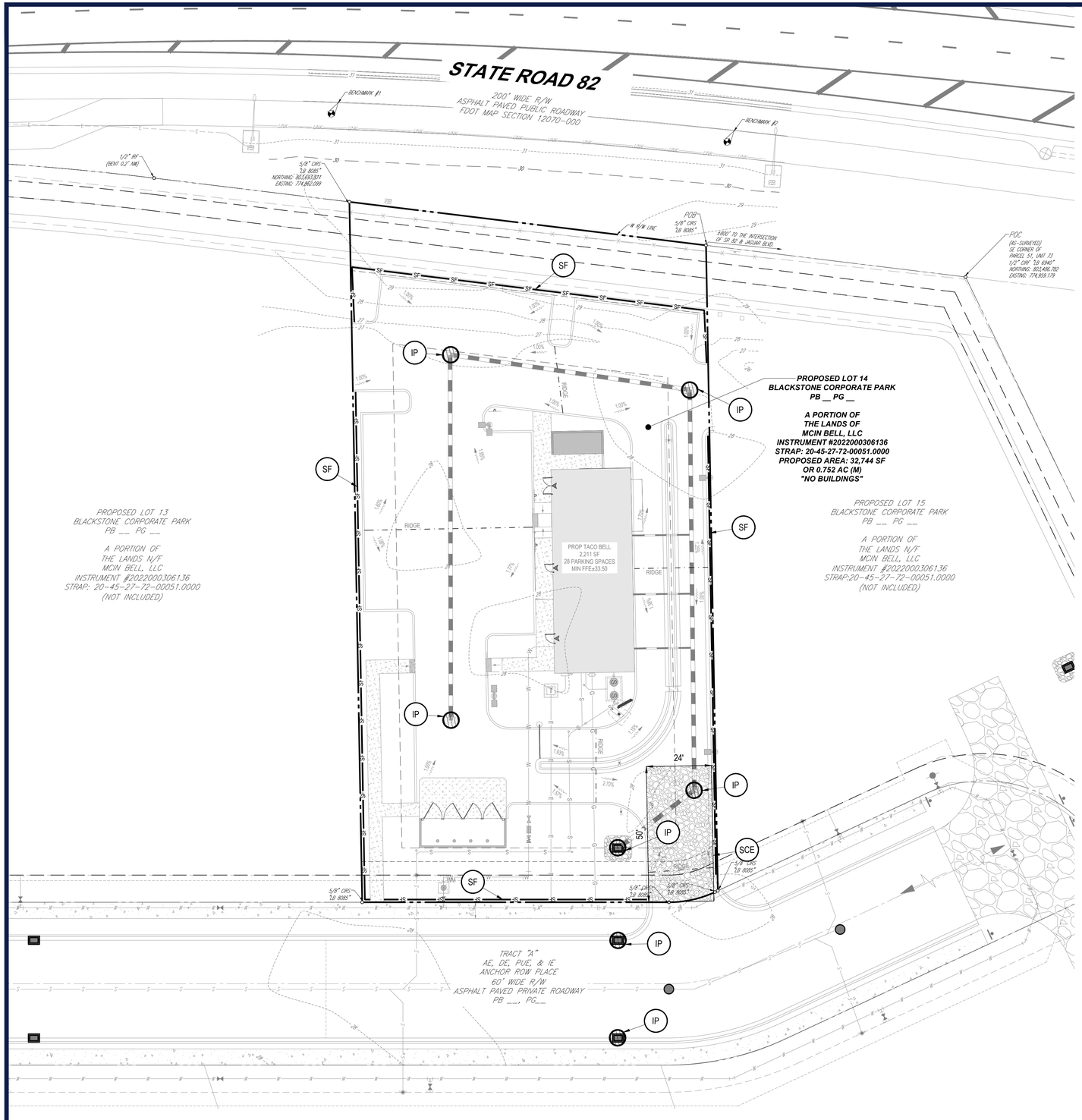
EROSION AND SEDIMENT CONTROL PLAN PHASE 1

SHEET NUMBER:

C-801

ORG. DATE - 4/15/26

Apr 15, 2026
H:\2025\FLA250154.00\CAD\DRAWINGS\PLAN SETS\CIVIL PLANS\P-CIVIL-EROS-FLA250154.00-00.dwg——LAYOUT: C-801 ERO1
~AH~





LEGEND

SOIL EROSION AND SEDIMENT CONTROL PLAN PHASE II

ONSITE PROPERTY LINE / R.O.W. LINE	
NEIGHBORING PROPERTY LINE	
EX. OVERHEAD ELECTRIC	OH OH OH
EX. SPOT ELEVATION	TC 59.4 OR 59.4
PROP STORM SEWER	
RIDGE LINE	
PROP. SILT FENCE	SF SF
PROP. INLET PROTECTION	

POLLUTION PREVENTION NOTES

1. EROSION AND SEDIMENT CONTROL BMP'S IN ADDITION TO THOSE PRESENTED ON THESE PLANS SHALL BE IMPLEMENTED AS NECESSARY TO PREVENT TURBID DISCHARGES FROM FLOWING ONTO ADJACENT PROPERTIES OR ROADWAYS, OFF SITE STORMWATER CONVEYANCES OR RECEIVING WATERS, OR ON SITE WETLANDS AND SURFACE WATERS. BMP'S SHALL BE DESIGNED, INSTALLED, AND MAINTAINED BY THE SITE OPERATOR TO ENSURE THAT OFF SITE SURFACE WATER QUALITY REMAINS CONSISTENT WITH FEDERAL, STATE, AND LOCAL REGULATIONS. [THE OPERATOR IS THE ENTITY THAT OWNS OR OPERATES THE CONSTRUCTION ACTIVITY AND HAS AUTHORITY TO CONTROL THOSE ACTIVITIES AT THE PROJECT NECESSARY TO ENSURE COMPLIANCE.]
2. OFF SITE SURFACE WATER DISCHARGES, DISCHARGES TO ONSITE WETLANDS, OR SURFACE WATERS WITH TURBIDITY IN EXCESS OF 29 NEPHELOMETRIC TURBIDITY UNITS (NTU'S) ABOVE BACKGROUND LEVEL SHALL BE IMMEDIATELY CORRECTED. SUCH INCIDENTS SHALL BE REPORTED TO WATER RESOURCES WITHIN 24 HOURS OF THE OCCURRENCE. THE REPORT SHALL INCLUDE THE CAUSE OF THE DISCHARGE AND CORRECTIVE ACTIONS TAKEN.
3. THE OPERATOR SHALL ENSURE THAT ADJACENT PROPERTIES ARE NOT IMPACTED BY WIND EROSION, OR EMISSIONS OF UNCONFINED PARTICULATE MATTER IN ACCORDANCE WITH RULE 62-296.320(4)(C)1, F.A.C., BY TAKING APPROPRIATE MEASURES TO STABILIZE AFFECTED AREAS.
4. FUEL AND OTHER PETROLEUM PRODUCT SPILLS THAT ENTER STORMWATER DRAINS OR WATERBODIES, OR FUEL AND OTHER PETROLEUM PRODUCT SPILLS THAT ARE IN EXCESS OF 25 GALLONS SHALL BE CONTAINED, CLEANED UP, AND IMMEDIATELY REPORTED TO WATER RESOURCES. SMALLER GROUND SURFACE SPILLS SHALL BE CLEANED UP AS SOON AS PRACTICAL.
5. IF CONTAMINATED SOIL AND/OR GROUNDWATER IS DISCOVERED DURING DEVELOPMENT OF THE SITE, ALL ACTIVITY IN THE VICINITY OF THE CONTAMINATION SHALL IMMEDIATELY CEASE AND WATER RESOURCES SHALL BE CONTACTED.
6. PRIOR TO DEMOLITION OF EXISTING ON SITE STRUCTURES AN ASBESTOS SURVEY AND/OR ASBESTOS NOTIFICATION MAY BE REQUIRED.
7. NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM:
   - A. NPDES CONSTRUCTION GENERIC PERMIT COVERAGE SHALL BE OBTAINED AT LEAST 48 HOURS IN ADVANCE OF CONSTRUCTION COMMENCEMENT IN ACCORDANCE WITH RULE 62-621.300(4)(a), F.A.C.
   - B. A COPY OF THE CERTIFIED NPDES NOI, OR A COPY OF THE FDEP COVERAGE CONFIRMATION LETTER SHALL BE POSTED AT THE SITE IN ACCORDANCE WITH RULE 62-621.300(4)(A) PART III.C.2, F.A.C.
   - C. A COPY OF THE CERTIFIED NPDES NOI, OR A COPY OF THE FDEP COVERAGE CONFIRMATION LETTER SHALL BE PROVIDED TO WATER RESOURCES IN ACCORDANCE WITH RULE 62-621.300(4)(a)PART III.D.1, F.A.C.
   - D. THE SWPPP SHALL BE CERTIFIED IN ACCORDANCE WITH RULE 62-621.300(4)(a)PART V.D.6, F.A.C.
   - E. A COPY OF THE SWPPP, AND COPIES OF THE INSPECTION AND MAINTENANCE RECORDS SHALL BE MAINTAINED AT THE PROJECT SITE; AND SHALL BE READILY AVAILABLE TO COUNTY OR STATE INSPECTORS.
8. THE DISCHARGE OF GROUNDWATER PRODUCED THROUGH DEWATERING, TO SURFACE WATERS, OR ANY PORTION OF THE MS4 WILL REQUIRE SEPARATE PERMITTING FROM THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEP). PERMIT(S) SHALL BE OBTAINED PRIOR TO THE COMMENCEMENT OF DEWATERING.

MAINTENANCE NOTES

N.P.D.E.S. PERMIT COMPLIANCE REQUIRES INSPECTIONS EVERY 7 CALENDAR DAYS BY A NPDES QUALIFIED INSPECTOR AND PERIODIC INSPECTIONS WITHIN 24 HOURS OF ANY RAINFALL EVENT OF 0.5" OR GREATER. THESE INSPECTIONS MAY RESULT IN RECOMMENDATIONS FOR ROUTINE MAINTENANCE OF THE SOIL EROSION CONTROL DEVICES, AS WELL AS FURTHER MAINTENANCE AS OUTLINED BELOW. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO ENSURE N.P.D.E.S. COMPLIANCE.

1. INSPECTIONS BY CONTRACTOR MUST OCCUR AT LEAST ONCE A WEEK OR WITHIN 24 HOURS OF A STORM EVENT 0.5" OR GREATER.
2. THROUGHOUT THE CONSTRUCTION PERIOD, ALL MUD/SILT TRACKED ONTO EXISTING ROADS FROM THE SITE DUE TO CONSTRUCTION SHALL BE IMMEDIATELY REMOVED BY THE CONTRACTOR.
3. CATCH BASIN INLET AND CONCRETE FLUME FILTERS SHALL BE MAINTAINED CLEAN AT ALL TIMES THROUGHOUT THE CONSTRUCTION PERIOD. WEEKLY INSPECTIONS WILL BE PERFORMED EVERY 7 CALENDAR DAYS. IF A FILTER HAS HOLES OR IS INUNDATED WITH SEDIMENT, THE FILTER WILL REQUIRE REPLACEMENT BY CONTRACTOR.
4. CONSTRUCTION ACCESS AND TRACKING MAT MUST BE MAINTAINED BY CONTRACTOR. REPLENISH CRUSHED AGGREGATE IF PRESENT LAYER IS FILLED WITH SEDIMENT, POOLING WATER, OR HAS RUTS. A NEW LAYER MAY BE ADDED IF OLD LAYERS BECOME COMPACTED.
5. SILT FENCE IS TO BE INSPECTED DAILY BY CONTRACTOR AND EVERY 7 CALENDAR DAYS BY N.P.D.E.S. QUALIFIED INSPECTOR. IF REPAIRS OR REPLACEMENT IS NECESSARY, IT SHALL BE PERFORMED IMMEDIATELY. THE SILT FENCE SHOULD BE TRENCHED IN, BACK-FILLED, AND STAPLED OR STAKED ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS. MAINTENANCE INCLUDES THE REMOVING OF BUILT-UP SEDIMENT. WHEN THE SEDIMENT ACCUMULATES TO 1/3 OF THE HEIGHT OF THE FENCE, CONTRACTOR MAY HAVE TO REMOVE, REPLACE, RETRENCH, OR RE-BACKFILL THE FENCE IF IT FAILS. IT WOULD ALSO BE NECESSARY TO REINSTALL IF ANY PORTION OF THE FENCING WAS DAMAGED BY CONSTRUCTION MACHINERY.
6. SEEDING OR RESEEDING MAY BE REQUIRED IMMEDIATELY TO AREAS WHICH HAVE BEEN DAMAGED BY RUNOFF.
7. THE CONTRACTOR SHALL CONTINUOUSLY ENSURE THAT THE PERIMETER OF THE SITE, INCLUDING CONSTRUCTION ENTRANCES, IS SECURED FROM ALLOWING DEBRIS TO LEAVE THE SITE DUE TO CONSTRUCTION ACTIVITY OR RAINFALL EVENTS. A WEEKLY LOG SHALL BE UPDATED AND KEPT ON-SITE IN ACCORDANCE WITH THE N.P.D.E.S. PERMIT. BY BIDDING DOCUMENTS CONTRACTOR ACKNOWLEDGES HE/SHE IS AWARE OF N.P.D.E.S. GUIDELINES AND POLICIES AS WELL AS BEST MANAGEMENT PRACTICES AND ASSUMES SOLE RESPONSIBILITY FOR FINES IMPOSED BY GOVERNMENTAL AGENCIES DUE TO VIOLATIONS.

SEQUENCE OF CONSTRUCTION

UPON IMPLEMENTATION AND INSTALLATION OF THE FOLLOWING AREAS: TRAILER,PARKING, LAYDOWN, PORTABLE RESTROOMS, WHEELED WASTE DISPOSAL DUMPSTER(S), WHEEL WASH, CONCRETE WASHOUT, FUEL AND MATERIAL STORAGE CONTAINERS, SOLID WASTE CONTAINERS, ETC. IMMEDIATELY DENOTE THEM ON THE SITE MAPS AND NOTE ANY CHANGES IN THEIR LOCATIONS ON THE SITE MAP.

PHASE 1
1. CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE AND INSTALL SILT FENCE.
2. INSTALL INLET PROTECTION AT EXISTING INLET(S).
3. PREPARE CLEARING AND GRUBBING OF THE SITE, IF APPLICABLE.
4. INSTALL STORMWATER CONVEYANCE STRUCTURES AND CULVERTS, ENSURE THAT NEW INLETS ARE PROTECTED PRIOR TO MAKING THE OUTFALL CONNECTION.

PHASE 2
1. PERFORM MASS GRADING, ROUGH GRADE TO ESTABLISH PROPOSED DRAINAGE PATTERNS.
2. START CONSTRUCTION OF THE PROPOSED BUILDING PAD AND STRUCTURES.
3. TEMPORARILY SEED WITH PURE LIVE SEED THROUGHOUT THE CONSTRUCTION DISTURBED AREAS THAT WILL BE INACTIVE FOR 7 DAYS OR MORE AS REQUIRED BY THE GENERIC PERMIT.

THIS PLAN TO BE UTILIZED FOR SOIL EROSION AND SEDIMENT CONTROL PURPOSES ONLY

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SITE CIVIL AND CONSULTING ENGINEERING
LAND SURVEYING
PROGRAM MANAGEMENT
LANDSCAPE ARCHITECTURE
ENVIRONMENTAL SERVICES
PERMITTING SERVICES
TRANSPORTATION SERVICES

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PROJECT No.: FLA250154.00
DRAWN BY: ~AH ~
CHECKED BY: ~ BM ~
DATE: 4/15/26
CAD I.D.: P-CIVL-EROS

PROJECT:

SITE DEVELOPMENT PLANS

FOR

TACO BELL

TACO BELL - BLACKSTONE

SWC BLACKSTONE DR & SR 82
LEHIGH ACRES, FL 33913
LEE COUNTY
S 20, T 45, R 27E

BOHLER™
600 N. WESTSHORE BLVD. SUITE 950
TAMPA, FLORIDA 33609
Phone: (813) 812-4100
Fax: (813) 812-4101
FLORIDA BUSINESS CERT. OF AUTH. No. 30780

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SHEET TITLE:

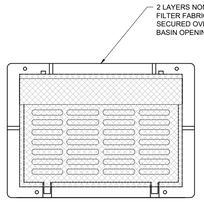
EROSION AND SEDIMENT CONTROL PLAN PHASE 2

SHEET NUMBER:

C-802

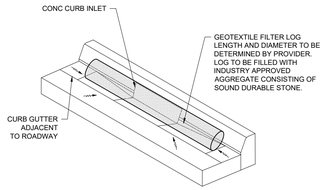
ORG. DATE - 4/15/26

Apr 15, 2026
H:\2025\FLA250154.00\CAD\DRAWINGS\PLAN SETS\CIVIL PLANS\P-CIVIL-EROS-FLA250154.00-SA-----LAYOUT C-802 EROS2
AH



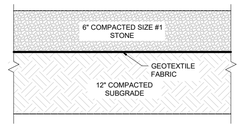
INLET PROTECTION

NOT TO SCALE (FL-O050102 - 09/2024)



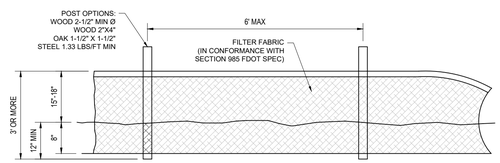
CURB INLET FILTER LOG

NOT TO SCALE (FL-O050101 - 09/2024)



SOIL TRACKING PAD

NOT TO SCALE (FL-O020101 - 09/2024)



SILT FENCE

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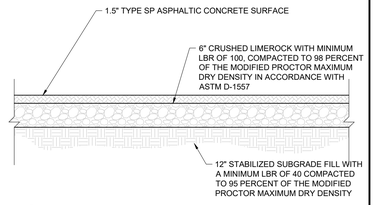
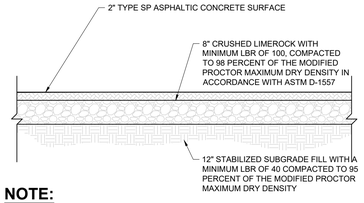


NOTE:

1. SECTION SHOWN IS BASED ON GEOTECHNICAL REPORT PREPARED BY PROFESSIONAL SERVICE INDUSTRIES, INC., ENTITLED GEOTECHNICAL ENGINEERING SERVICES REPORT, PROPOSED TACO BELL DEVELOPMENT - WEST SIDE OF SR 82, SOUTH OF BLACKSTONE DRIVE LEHIGH ACRES, FLORIDA 33913 , DATED 02/17/26 (PROJECT #0775-3960). FINAL DESIGN TO BE PROVIDED ONCE FINAL CBR'S ARE AVAILABLE ON COMPACTED SUB-BASE.

STANDARD DUTY ASPHALT PAVEMENT

NOT TO SCALE (MS-S010101 - 06/2023)

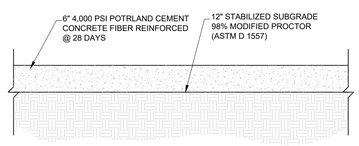


NOTE:

1. SECTION SHOWN IS BASED ON GEOTECHNICAL REPORT PREPARED BY PROFESSIONAL SERVICE INDUSTRIES, INC., ENTITLED GEOTECHNICAL ENGINEERING SERVICES REPORT, PROPOSED TACO BELL DEVELOPMENT - WEST SIDE OF SR 82, SOUTH OF BLACKSTONE DRIVE LEHIGH ACRES, FLORIDA 33913 , DATED 02/17/26 (PROJECT #0775-3960). FINAL DESIGN TO BE PROVIDED ONCE FINAL CBR'S ARE AVAILABLE ON COMPACTED SUB-BASE.

HEAVY DUTY ASPHALT PAVEMENT

NOT TO SCALE (MS-S010102 - 06/2023)

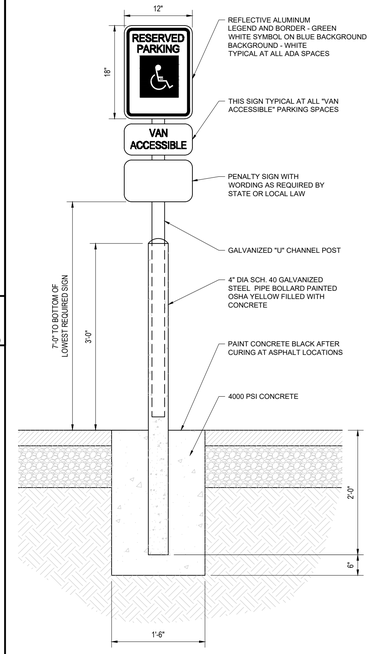


NOTE:

1. SECTION SHOWN IS BASED ON GEOTECHNICAL REPORT PREPARED BY PROFESSIONAL SERVICE INDUSTRIES, INC., ENTITLED GEOTECHNICAL ENGINEERING SERVICES REPORT, PROPOSED TACO BELL DEVELOPMENT - WEST SIDE OF SR 82, SOUTH OF BLACKSTONE DRIVE LEHIGH ACRES, FLORIDA 33913 , DATED 02/17/26 (PROJECT #0775-3960). FINAL DESIGN TO BE PROVIDED ONCE FINAL CBR'S ARE AVAILABLE ON COMPACTED SUB-BASE

HEAVY DUTY CONCRETE PAVEMENT

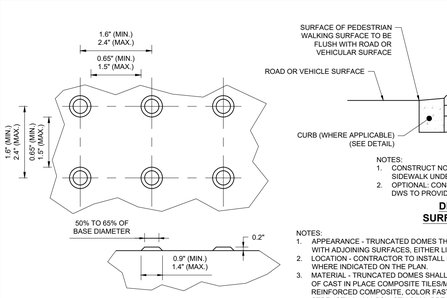
NOT TO SCALE (MS-S010202 - 06/2023)



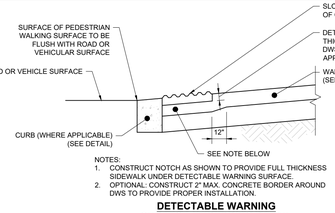
NOTES:
ONE AT EACH ADA SPACE. WHERE ADA SPACES FACE EACH OTHER WITHOUT WALKWAY, THERE SHALL BE ONE POST WITH SIGNS MOUNTED BOTH SIDES

BOLLARD MOUNTED ADA PARKING SIGN

NOT TO SCALE (FL-S060101 - 09/2024)



SIZE AND SPACING DETAIL



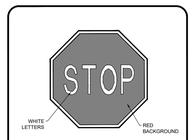
NOTES:
1. CONSTRUCT NOTCH AS SHOWN TO PROVIDE FULL THICKNESS SIDEWALK UNDER DETECTABLE WARNING SURFACE.
2. OPTIONAL: CONSTRUCT 2" MAX. CONCRETE BORDER AROUND DWS TO PROVIDE PROPER INSTALLATION.

DETECTABLE WARNING SURFACE EMBEDDING DETAIL

NOTES:
1. APPEARANCE - TRUNCATED DOMES THAT PROVIDE THE DETECTABLE WARNING SURFACE SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES, EITHER LIGHT ON DARK OR DARK ON LIGHT.
2. LOCATION - CONTRACTOR TO INSTALL DETECTABLE WARNING SURFACES WHEN SIDEWALK IS WITHIN PUBLIC ROW AND WHERE INDICATED ON THE PLAN.
3. MATERIAL - TRUNCATED DOMES SHALL BE AN INTEGRAL PART OF THE ADA CURB RAMP CONSTRUCTION CONSISTING OF CAST IN PLACE COMPOSITE TILES/MAT. THE TILE/MAT MATERIAL SHALL BE A HOMOGENEOUS GLASS AND CARBON REINFORCED COMPOSITE, COLOR FAST AND UV STABLE, COMP. STRENGTH 23,800 PSI ASTM D695 AND FLEXUAL STRENGTH 24,600 PSI ASTM D796. PRECAST CONCRETE PAVER BLOCKS HAVING COMPLIANT TRUNCATED DOMES, MAY ALSO BE USED FOR THE DETECTABLE WARNING SURFACE. RUBBERIZED MATERIAL TO BE GLUED TO RAMP SURFACE SHALL NOT BE ACCEPTABLE
4. PLACEMENT - TRUNCATED DOMES SHALL EXTEND THE FULL WIDTH OF THE TRAVEL PATH EXCLUDING FLARES. LOCATE ONE CORNER OF THE DWS AT THE BACK OF CURB OR EDGE OF WALKING SURFACE. NO OTHER POINT ON THE LEADING EDGE OF THE DWS MAY BE MORE THAN 5' AWAY FROM THE BACK OF CURB OR EDGE OF WALKING SURFACE.

DETECTABLE WARNING SURFACE (DWS)

NOT TO SCALE (BE-S030509 - 08/2023)



R1-1
30"x30"

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PROJECT No.:	FLA250154.00
DRAWN BY:	~AH ~
CHECKED BY:	~ BM ~
DATE:	4/15/26
CAD I.D.:	P-CIVL-CNDS

PROJECT:

SITE DEVELOPMENT PLANS

FOR

TACO BELL

TACO BELL - BLACKSTONE

SWC BLACKSTONE DR & SR 82
LEHIGH ACRES, FL 33913
LEE COUNTY
S 20, T 45, R 27E

BOHLER™
600 N. WESTSHORE BLVD. SUITE 950
TAMPA, FLORIDA 33609
Phone: (813) 812-4100
Fax: (813) 812-4101
FLORIDA BUSINESS CERT. OF AUTH. No. 30780

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SHEET TITLE:

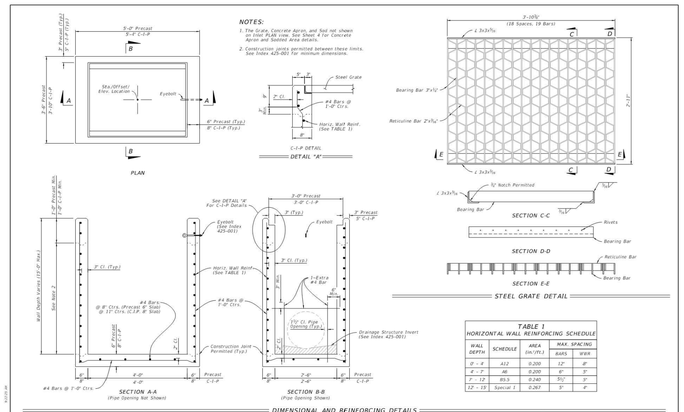
CONSTRUCTION DETAILS

SHEET NUMBER:

C-901

ORG. DATE - 4/15/26

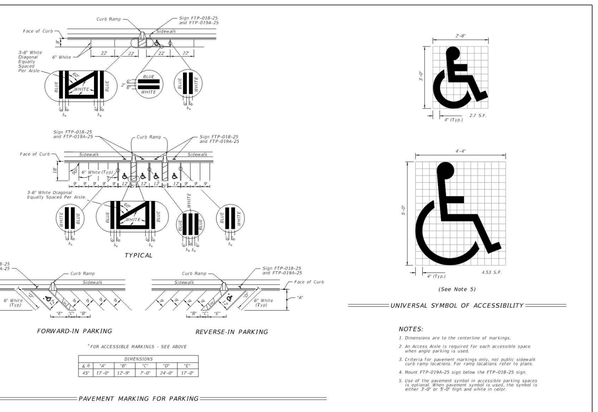
Apr 16, 2026
H:\2025\FLA250154.00\CAD\DRAWINGS\PLAN SETS\CIVIL PLANS\P-CIVIL-CNDS-FLA250154.00-----LAYOUT: C-901 DETL



TYPE F - DIMENSIONAL, REINFORCING, AND GRATE DETAILS

DIMENSIONAL AND REINFORCING DETAILS

LAST REVISION 11/01/20	DESCRIPTION:	FY 2026-27 STANDARD PLANS	DITCH BOTTOM INLET TYPES F AND G	INDEX 425-053	SHEET 2 of 4

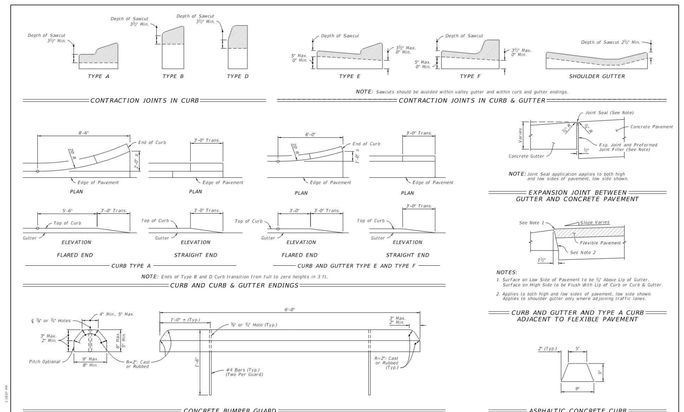


PAVEMENT MARKING FOR PARKING

UNIVERSAL SYMBOL OF ACCESSIBILITY

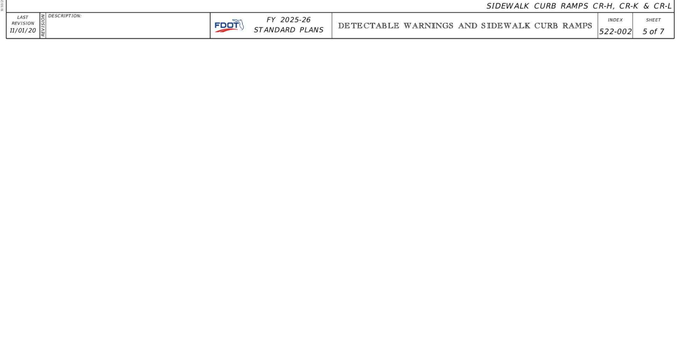
NOTES:
1. Dimensions are to the centerline of markings.
2. An Access Aisle is required for each accessible space when angle parking is used.
3. Criteria for pavement markings only, not public sidewalk curb ramp locations. For ramp locations refer to plans.
4. Mount FTP-018A-25 sign below the FTP-018-25 sign.
5. Use of the pavement symbol in accessible parking spaces is optional. When the pavement symbol is used, the symbol is either 3'-0" to 5'-0" high and white in color.

LAST REVISION 11/01/20	DESCRIPTION:	FY 2026-27 STANDARD PLANS	PAVEMENT MARKINGS	INDEX 711-001	SHEET 11 of 13



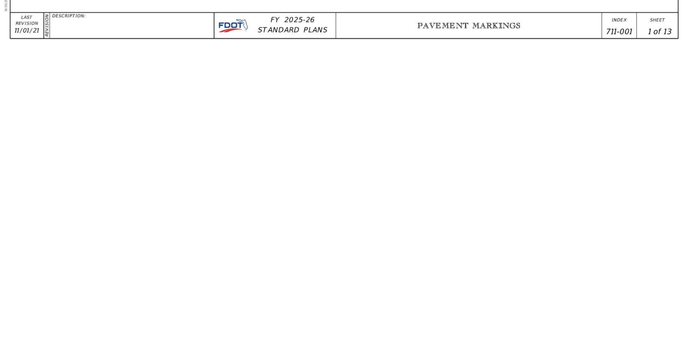
CURB AND GUTTER JOINTS AND ENDINGS, CONCRETE BUMPER GUARD, AND ASPHALTIC CONCRETE CURB

LAST REVISION 11/01/21	DESCRIPTION:	FY 2025-26 STANDARD PLANS	CURB AND GUTTER	INDEX 520-001	SHEET 3 of 3



SIDEWALK CURB RAMPS CR-H, CR-K & CR-L

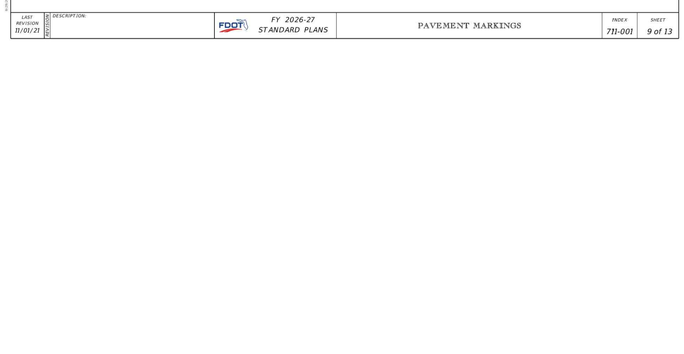
LAST REVISION 11/01/20	DESCRIPTION:	FY 2025-26 STANDARD PLANS	DETECTABLE WARNINGS AND SIDEWALK CURB RAMPS	INDEX 522-002	SHEET 5 of 7



PAVEMENT MESSAGE AND ARROW DETAILS

PAVEMENT MESSAGES NOTES:
1. Place all pavement messages 25' back from the stop line.
2. Dimensions are within 5" ±.
3. All grids are 4' x 4'.
4. All pavement messages must be white except Route Shields and In Pavement Warning Markings.
5. Increase width of route shield for routes with three digits.

LAST REVISION 11/01/21	DESCRIPTION:	FY 2025-26 STANDARD PLANS	PAVEMENT MARKINGS	INDEX 711-001	SHEET 1 of 13



NOTES:
1. For crosswalk width, exceed width of the adjacent sidewalk, but do not make width less than 6' for intersection crosswalks and 10' for midblock crosswalks. Measure width from the inside of the transverse crosswalk markings.
2. When the Special Emphasis Crosswalk is not perpendicular to the lane lines, make the longitudinal markings parallel to the lane lines.
3. Refer to Index 522-002 when Curb Ramps are present.

LAST REVISION 11/01/21	DESCRIPTION:	FY 2026-27 STANDARD PLANS	PAVEMENT MARKINGS	INDEX 711-001	SHEET 9 of 13

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PROJECT No.:	FLA250154.00
DRAWN BY:	~AH ~
CHECKED BY:	~ BM ~
DATE:	4/15/26
CAD I.D.:	P-CIVIL-OCDS

PROJECT:

SITE DEVELOPMENT PLANS

FOR

TACO BELL

TACO BELL - BLACKSTONE

SWC BLACKSTONE DR & SR 82
LEHIGH ACRES, FL 33913
LEE COUNTY
S 20, T 45, R 27E

BOHLER
600 N. WESTSHORE BLVD. SUITE 950
TAMPA, FLORIDA 33609
Phone: (813) 812-4100
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SHEET TITLE:

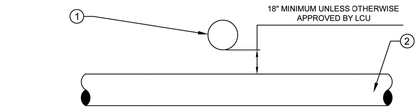
FDOT DETAILS

SHEET NUMBER:

C-902

ORG. DATE - 4/15/26

Apr 15, 2026
H:\2025\FLA250154.00\CAD\DRAWINGS\PLAN SETS\CIVIL PLANS\P-CIVIL_OCDS-FLA250154.00-SA-----LAYOUT: C-902 DETL
AH

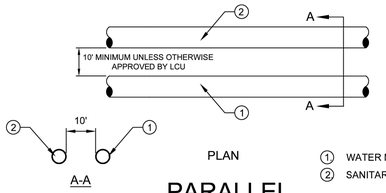


SECTION

CROSSING

1. WATER MAIN
2. SANITARY SEWER MAIN

NOTE: IF LESS THAN 18" CLEARANCE ENCASE WATER MAIN IN STEEL CASING



PLAN

A-A

PARALLEL

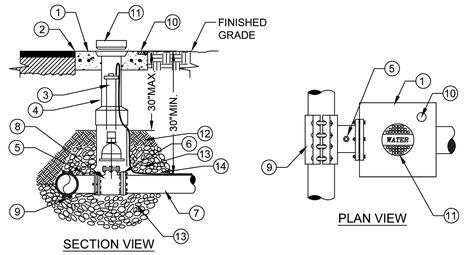
1. WATER MAIN
2. SANITARY SEWER MAIN

NOTE: IF LESS THAN 10' CLEARANCE ENCASE WATER MAIN IN STEEL CASING

Lee County Southwest Florida	LEE COUNTY UTILITIES ENGINEERING 1500 MONROE STREET FORT MYERS, FLORIDA 33901
TITLE:	WATER AND SEWER CROSSING
REVISION: 6/27/24	DETAIL NO: G-08.dwg

NOT TO SCALE

June 27, 2024 6:30 AM S:\Utilities\ENGINEERING\ACAD\LCU-CAD-Stnds\151209 LCU STD DETAILS\CAD FILES\G-08.dwg



SECTION VIEW

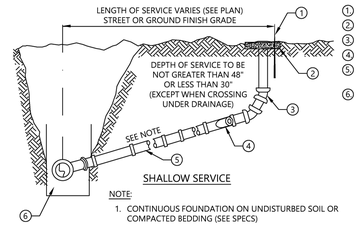
PLAN VIEW

1. CONCRETE PAD - 24"X24"X4" THK. (SEE VALVE INSTALLATION DETAIL G-02)
2. SET TOP OF BOX FLUSH WITH FINISHED GRADE
3. EXTENSION STEM IF TOP OF OPERATING NUT IS MORE THAN 30" BELOW FINISH GRADE
4. VALVE BOX (SEE VALVE INSTALLATION DETAIL G-02)
5. OUTLET FOR TESTING
6. MJ RESTRAINED
7. MAIN SIZE VARIES
8. TAPPING VALVE (SEE VALVE INSTALLATION DETAIL G-02)
9. LCU APPROVED ALL STAINLESS STEEL PRESSURE RATED TAPPING SLEEVE. FOR SIZE ON SIZE TAPS A FLANGED TAPPING SLEEVE IS REQUIRED. SPRING LOADED TAPPING SLEEVE IS REQUIRED WHEN CONNECTING TO HDPE (SEE APPROVED MATERIAL LIST)
10. BRASS PLATE (SEE VALVE INSTALLATION DETAIL G-02)
11. CAST IRON DROP COVER MARKED "WATER", "SEWER" OR "REUSE"
12. COMPACTED SUITABLE EARTH BACKFILL
13. ¾" GRANULAR MATERIAL #57 STONE
14. 10 GAUGE DOUBLE INSULATED COPPER LOCATING WIRE (SEE LCU STANDARD DETAIL)

Lee County Southwest Florida	LEE COUNTY UTILITIES ENGINEERING 1500 MONROE STREET FORT MYERS, FLORIDA 33901
TITLE:	TAPPING SLEEVE & VALVE
REVISION: 1/26/24	DETAIL NO: G-01.dwg

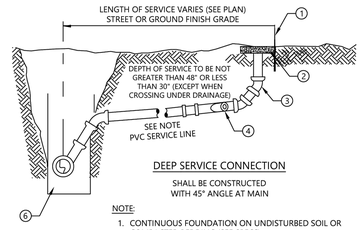
NOT TO SCALE

January 26, 2024 6:29 AM S:\Utilities\ENGINEERING\ACAD\LCU-CAD-Stnds\151209 LCU STD DETAILS\CAD FILES\G-01.dwg



SHALLOW SERVICE

NOTE:
1. CONTINUOUS FOUNDATION ON UNDISTURBED SOIL OR COMPACTED BEDDING (SEE SPECS)



DEEP SERVICE CONNECTION

SHALL BE CONSTRUCTED WITH 45° ANGLE AT MAIN

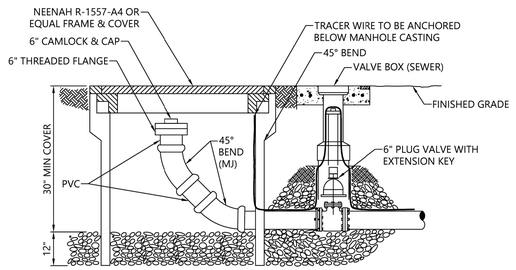
NOTE:
1. CONTINUOUS FOUNDATION ON UNDISTURBED SOIL OR COMPACTED BEDDING (SEE SPECS)

1. FLAGGED STAKE
2. CONCRETE COLLAR 24"X24"X4"
3. SEWER CLEANOUT (SEE STANDARD DETAIL S-14)
4. DOUBLE 45° WYE (SIZE TBD)
5. SERVICE SHALL BE INSTALLED AT SLOPE OF NOT LESS THAN 0.63% OR GREATER THAN 2%
6. SEE TRENCH SECTION DETAIL

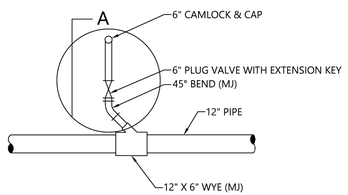
Lee County Southwest Florida	LEE COUNTY UTILITIES ENGINEERING 1500 MONROE STREET FORT MYERS, FLORIDA 33901
TITLE:	STANDARD SEWER SERVICE LATERAL
REVISION: 3/27/24	DETAIL NO: S-13.dwg

NOT TO SCALE

March 27, 2024 7:33 AM S:\Utilities\ENGINEERING\ACAD\LCU-CAD-Stnds\151209 LCU STD DETAILS\CAD FILES\S-13.dwg



SECTION "A"



Lee County Southwest Florida	LEE COUNTY UTILITIES ENGINEERING 1500 MONROE STREET FORT MYERS, FLORIDA 33901
TITLE:	PRESSURE CLEANOUT DETAIL
REVISION: 1/19/24	DETAIL NO: S-15.dwg

NOT TO SCALE

January 19, 2024 8:38 AM S:\Utilities\ENGINEERING\ACAD\LCU-CAD-Stnds\151209 LCU STD DETAILS\CAD FILES\S-15.dwg

Apr 15, 2026
H:\2025\FLA250154.00\CAD\DRAWINGS\PLAN SETS\CIVIL PLANS\P-CIVL-OCDS-FLA250154.00-SA-----\LAYOUT\ C-903 DETL

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DRAWN BY:	~AH ~
CHECKED BY:	~ BM ~
DATE:	4/15/26
CAD I.D.:	P-CIVL-OCDS

PROJECT:

SITE DEVELOPMENT PLANS

FOR

TACO BELL

TACO BELL - BLACKSTONE

SWC BLACKSTONE DR & SR 82
LEHIGH ACRES, FL 33913
LEE COUNTY
S 20, T 45, R 27E

BOHLER™
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LEE COUNTY DETAILS

SHEET NUMBER:

C-903

ORG. DATE - 4/15/26

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600 N Westshore Blvd, Suite 950
Tampa, FL 33609
o. 813.812.4100

April 15, 2026

South Florida Water Management District
2301 McGregor Blvd,
Fort Myers, FL 33901
(239) 338-2929

RE: Minor Modification Request
Taco Bell – Blackstone

To whom it may concern:

Please find enclosed submittal for Minor Modification to Blackstone Corporate Park (Permit # 36-110668-P). The site is located at the southwest corner of Blackstone Drive and State Road 82. Lehigh Acres, FL 33913 (Parcel ID: 20-45-27-72-00051.0000 / Folio: 10422161). The project lies within section 20, township 45, range 27E in Lee County. Per the existing Permit Modification (36-110668-P) the master system encompasses a total of 61.78 acres onsite.

The site will be located on Parcel 14 as illustrated in Permit Modification (36-110668-P) which is within Site Basin East. Per the approved permitted plan Parcel 14 was designed for a total parcel area of 0.75 acres and a maximum impervious surface area of 80%.

The proposed conditions are described in further detail for Parcel 14:

Parcel 14	Land Use Description	CN	Area (ac.)	Area (%)	Total Area (ac)	Weighted CN
PREVIOUSLY PERMITTED (36-110668-P)	Impervious	98	0.60	80%	78.6	**94.4**
	Open Space (Good Condition)	80	0.15	20%		
	Open Water	98	0.00	0%		
POST-DEVELOPMENT	Impervious	98	0.46	61%	0.75	**91.0**
	Open Space (Good Condition)	80	0.29	39%		
	Open Water	98	0.00	0%		

The post-development impervious area is 61% and therefore falls under the maximum impervious area of 80% per approved ERP(4-061-63357-3).

BOHLER //

Should there be any questions, or should additional information required, please feel free to contact us at (813) 812-4100 or via email: Kmorel@bohlereng.com

Sincerely,

BOHLER ENGINEERING

Kyle Morel, P.E.
Associate/Branch Manager



Digitally signed by Kyle Morel
DN, E=kmorel@bohlereng.com, CN=Kyle Morel, O="BOHLER ENGINEERING FL, LLC", L=Boca Raton, S=Florida, SERIALNUMBER=MAS20250902465768, C=US
Date: 2026.04.16 09:38:05-04'00'

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PART IV #26-88

Recommended Action

Engineering Review:

By: _____ 6/5/2026 **Approved _X_ Denied __**

District Field Review:

By: _____ Approved ___ Denied ___

District Manager: _____ Date: _____

Comments:

The referenced permit application for Taco Bell Located on Parcel #14 of the Co., in Lehigh Acres, submitted by Taco Bell of America LLC., has been reviewed and is recommended for approval for the following reasons:

1. The permittee shall submit signed and sealed recoded drawings within thirty (30) days of project completion. The drawings must include sufficient detail to demonstrate that the permitted facilities have been constructed in substantial compliance with LA-MSID – approved plans and design.
2. Prior to commencing construction, the permittee shall provide LA-MSID with copies of all applicable permits from other governing agencies.

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

AGENDA ITEM SUMMARY

Subject: PER #26-89 – LCEC Substation – 1006 North Ave

Meeting Date: July 20, 2026

Agenda Item # 2F

[x] **CONSENT** [ ] **ACTION** [ ] **OLD BUSINESS** [ ] **NEW BUSINESS**

Request Initiated By: [ ] **COMMISSIONER** _____ [ ] **ATTORNEY**

[ ] **BOARD** [x] **MANAGER** [ ] **ENGINEER** [ ] **AUDITOR**

Recommended motion: Move to approve PER #26-89 – LCEC Substation – 1006 North Ave, with any listed stipulations.

What the action accomplishes: Allows LCEC, to develop a commercial site at 1006 North Ave, while certifying on their plans that their stormwater facilities are adequate and able to discharge less than 30 CSM.

Fiscal Impact: Permit Fees: $

Staff comments: Approved according to the

Staff review and recommended approval:

[x] **MANAGER** [ ] **ASSISTANT DISTRICT MGR**

[ ] **ATTORNEY** [ ] **FIELD SUPERINTENDENT**

[x] **ENGINEER** [x] **CONTROLLER**

Board Action:

[ ] **APPROVED** [ ] **DENIED** [ ] **DEFERRED**

LEHIGH ACRES - MUNICIPAL SERVICES IMPROVEMENT DISTRICT
PERMIT

THIS PERMIT is granted this 20th day of July, 2026, by Lehigh Acres Municipal Services Improvement District (hereinafter referred to as "DISTRICT"), 601 East County Lane, Lehigh Acres, Florida 33936, to LCEC, 4980 Bayline Drive, North Fort Myers, FL 33917, hereinafter referred to as the "Permittee") as a non-exclusive permit for a proposed electrical substation on a 4.25 +/- acre site located at 1006 North Ave, with a drainage outfall pipe to the adjacent road ditch along North Ave., in Lehigh Acres, FL.

W I T N E S S E T H:

1. In the event the DISTRICT is not the fee title owner of the real property (the "Property") to which this Permit is applicable, the Permittee agrees, prior to commencement, to obtain all necessary consents from the fee title owners of the Property.

2. This Permit does not constitute a waiver of the necessity by the Permittee to obtain such other necessary and appropriate permits required by other governmental bodies or agencies; therefore the Permittee, prior to commencement, is required to obtain any and all other applicable federal, state, and local permits required in connection with Permittee's use of the Property and agrees that at all times it will comply with the requirements of all federal, state and local laws, ordinances, rules and regulations applicable or pertaining to the use of the Property by the Permittee.

3. Permittee understands and agrees that the use of the Property pursuant to this Permit is subordinate to the rights and interests of the DISTRICT and to the extent applicable that of the fee title owner of the Property. Further, Permittee does hereby stipulate that the Permittee is not relying upon any representations whatsoever by the DISTRICT regarding the DISTRICT'S right, title, interest, or ownership as to the Property for which this Permit is applicable.

4. The Permittee, by accepting this permit, specifically agrees to allow authorized District Personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:
    a. Having access to and copying any records that must be kept under the conditions of the permit:
    b. Reviewing the facility, equipment, practices, or operations regulated or required under this permit; and
    c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or District rules.

5. The DISTRICT specifically reserves the right to maintain its facilities located over, under or upon the Property; to make improvements; add additional facilities; maintain, construct or alter its roads; maintain any facilities, devices, or improvements on the Property which aid in or are necessary to the DISTRICT'S operation; and the right to enter upon the Property at all times for such purposes. Permittee understands that in the exercise of such rights and interest, the DISTRICT may require Permittee, at no cost to DISTRICT, to relocate, alter, or remove the Permittee's facilities and equipment or other improvements made by Permittee pursuant to this Permit which interfere with or prevent the DISTRICT, in the DISTRICT'S opinion, from properly and faithfully constructing, improving and maintaining its facilities. If the Permittee should fail to relocate, alter, or remove the Permittee's facilities, equipment or other improvements made by the Permittee pursuant to this Permit within a reasonable time period following receipt of notice from the DISTRICT requesting same, then in that event the DISTRICT shall have the right to enter upon the lands and make such relocation, alterations or removal of the Permittee's facilities, equipment/or other improvements at no cost to DISTRICT.

6. Permittee agrees that it will not use the Property in any manner which interferes with the DISTRICT'S

use of the Property or causes a hazardous condition to exist.

7. The DISTRICT assumes no responsibility for the ownership, operation and/or maintenance of the Permittee's facilities as permitted herein.

8. The Permittee agrees to backfill any excavation it makes within the Property and to repair or replace (i) any below-grade authorized facilities and features located therein, including but not limited to: water, sewer, stormwater or irrigation facilities, structures or appurtenances and (ii) as to at or above-grade facilities and features, this requirement shall only be applicable to grasses and sod, sidewalks, and roadway improvements (the term roadway improvements shall include but not be limited to curbing, roadway base, sub grade and asphaltic or concrete surfaces) which are removed or damaged as a direct result of said excavation. Such repair or replacement shall substantially restore these features to their condition as it existed immediately prior to the event precipitating the excavation.

9. All below-grade Permittee installations, including water and sewer lines, whether sub aqueous or not, together with appurtenant facilities, shall be located underground and have a minimum ground cover of thirty inches (30") below original design profile grade, including District waterways and roadways.

10. All Permittee activity related to sub aqueous utility, water and/or sewer lines, including appurtenant facilities, shall be conducted in such fashion that the primary functional purpose of the canal or lake body facility, specifically flood control, within which the activity is taking place is not adversely affected. More specifically, sub aqueous construction shall conform to the criteria given in the Lehigh Acres Municipal Services Improvement District (Lehigh Acres – MSID) Administrative Policy and Procedures.

11. Permittee shall, at no expense to DISTRICT and within a reasonable time following notice, adjust the positions and elevations of its facilities as may be required in connection with future improvements to, or construction of, works of the DISTRICT.

12. Permittee does hereby indemnify and hold harmless the DISTRICT, its Board of Commissioners, officers, personnel, and it's Engineers against any claims, losses, damages (including consequential), expenses, or legal fees that might arise out or result from the implementation of the proposed project by the Permittee or that may be caused by a failure of DISTRICT facilities or property.

13. The Permittee shall be obligated at the time of submission of its Permit application, to provide a detail of any other existing improvements located over, under, upon or through the Property and the Permittee's accompanying plans and specifications shall clearly indicate how the Permittee will comply with required clearances between the requested permitted activity and existing improvements located over, under and upon the Property, including compliance with other permitted users duly adopted and published standards.

14. Permittee shall reimburse the DISTRICT for its legal, engineering and other expenses incurred as a result of the implementation of the proposed project.

15. If Permittee should violate any of the terms or conditions of the Permit and shall not correct or remedy same within ten (10) days of receiving written notice of said violation from the DISTRICT, then in that event, the DISTRICT may, at its option, revoke, cancel and terminate this Permit.

16. This Permit may not be assigned by the Permittee without the prior written approval of the DISTRICT.

17. Unless otherwise adjusted, modified or terminated as set forth hereinabove, including the Conditions attached hereto, this Permit shall continue in full force and effect so long as Permittee complies with the

terms of this Permit.

18. In any litigation, including breach, enforcement or interpretation arising out of this Permit, the prevailing party to this Permit shall be entitled to recover reasonable attorney's fees, costs and expenses related to said action from the non-prevailing party.

19. That attached hereto are Supplemental Conditions to this Permit which are incorporated herein and made a part hereof.

LEHIGH ACRES – MUNICIPAL SERVICES IMPROVEMENT DISTRICT

BY: _____

NAME TYPED: David E. Lindsay

TITLE: District Manager

SUPPLEMENTAL CONDITIONS TO PERMIT NO. 26-89

A. GENERAL CONDITIONS

1. Notification shall be given by the Permittee to the District Engineer, AIM Engineering, at 239-332-4569 forty-eight (48) hours prior to commencement of the permitted activity. The District Engineer shall establish points of construction, if applicable, which will require inspection by the District Engineer prior to construction of the permitted activity. When the Permittee considers the permitted activity complete, the Permittee shall notify the District Engineer and schedule an on-site final inspection which shall be held in the presence of a representative of the Permittee and the District Engineer.

2. The permitted activity shall be implemented, constructed and/or installed in full accordance with the approved plans and specifications within six (6) full calendar years from the date of permit approval. Deviations from the approved plans or specifications shall be coordinated with and approved by the District Engineer prior to implementation of any such deviation.

3. When working in a District road right-of-way, not more than one-half (½) of the road or street shall be closed and traffic shall be controlled so as to provide for the safety and minimum hindrance to the public. All traffic control operations shall conform to the most current issue of the Florida Department of Transportation publication "Manual on Traffic Controls and safe Practices for Street and Highway Construction, Maintenance and Utility Operations."

4. The District Engineer shall be the final authority as to the quality and quantity of the material and works required to satisfy the terms and conditions of this Permit as they relate to District improvements and facilities.

5. Upon completion of the permitted activity and after its final review and acceptance by the District Engineer THE PERMITTEE SHALL DELIVER TO THE DISTRICT OFFICE ONE COMPLETE SET OF THE FINAL "RECORD DRAWINGS." FAILURE TO PROVIDE THE FINAL RECORD DRAWINGS MAY RESULT IN THE REVOCATION, CANCELLATION AND TERMINATION OF THIS PERMIT.

6. The above Conditions shall be continuing obligations of the Permittee and shall be complied with in the event of any subsequent maintenance, repair, replacement or modification of the permitted improvement.

Stipulations:

1). Permit #26-89 is approved according to the plans submitted May 21st, 2026.

2). The Permittee will be responsible for any repairs, alterations, or maintenance required on the outfall pipe and control structure in the future.

3). Provide LAMSID with a copy of your signed/sealed record drawings showing all perimeter berm elevations, all pipe inverts and control structure elevations within 30 days following completion of the improvements.

4). Lee County DOT must review and approve any work that is outside of the project site along adjacent roads.

05 - 21 - 26
26 - 89

APPLICATION FOR A PERMIT

***Note:** The review of permit applications will be conducted per the Lehigh Acres Municipal Services Improvement District's Administrative Policy and Procedures

AGENT NAME: Kevin Conor **PHONE #:** (239) 573-2077

PROJECT NAME: LCEC North Lehigh Substation

TOTAL ACREAGE: 4.25 +/-

Property Address (STRAP associated with this address will be used as the primary STRAP for this project): 22-44-27-L1-07023.0080					
Mailing Address:	1006 North Ave				
City:	Lehigh Acres	**State:**	FL	**Zip:**	33972

STRAP NUMBERS (attach additional sheet if necessary):

2	2	-	4	4	-	2	7	-	L	1	-	0	7	0	2	3	-	0	0	8	0		
		-			-			-			-						-						
		-			-			-			-						-						
		-			-			-			-						-						

Brief description of proposed project:

Application for:

Construction of a storm water management system on a 4.25 acre site for an electrical substation

RECEIVED
MAY 21 2026
LEHIGH ACRES
MUNICIPAL SERVICES
IMPROVEMENT DISTRICT

Is the project proposed to be developed in phases? Yes **No**

Estimated # of Phases:	1	
***Permit Fee:**	$ 1,750	**(to be verified by staff)**

* See Administrative Policy and Procedures Sections 4.15 – 4.17 for current Permit Fee Amount.

PART II

OWNER/APPLICANT/ DEVELOPER INFORMATION

A.

Name of Applicant	Lee County Electric Cooperative, Inc						
Mailing Address:	**Street:**	PO Box 3455					
City:	North Fort Myers	**State:**	FL			**Zip:**	33918
Phone No.	**Area Code:**	239	**Number:**	656- 2246		**Ext.**	
Fax No.	**Area Code:**		**Number:**	-			
E-mail Address:	Mike.Rajapakse@lcec.net						

B. Relationship of applicant to property*:

Owner* **Trustee*** **Option holder*** **Lessee***

Contract Purchaser* **Other (indicate)***

C.

Name of Developer:	Lee County Electric Cooperative, Inc						
Mailing Address:	**Street:**	PO Box 3455					
City	North Fort Myers	**State:**	FL			**Zip:**	33918
Phone No.	**Area Code:**	(239)	**Number:**	656 - 2246		**Ext.**	
Fax No.	**Area Code:**	( )	**Number:**	-			
E-mail Address:	Mike.Rajapakse@lcec.net						

D.

Name of Authorized Agent(s):	Avalon Engineering, Inc./ Kevin Conor					
Mailing Address:	**Street:**	2503 Del Prado Blvd, Suite 200				
City	Cape Coral	**State:**	FL		**Zip:**	33904
Phone No.	**Area Code:**	(239)	**Number:**	573 - 2077	**Ext.**	
Fax No.	**Area Code:**	( )	**Number:**	-		
E-mail Address:	kevin@avaloneng.com					

E.

Name of Property Owner:	Lee County Electric Cooperative, Inc.					
Mailing Address:	**Street:**	PO Box 3455				
City	North Fort Myers	**State:**	FL		**Zip:**	33918
Phone No.	**Area Code:**	(239)	**Number:**	656-2246	**Ext.**	
Fax No.	**Area Code:**	( )	**Number:**	-		
E-mail Address:	Mike.Rajapakse@lcec.net					

*A disclosure of the name of all persons or entities having an ownership interest in the property is required (attached).

PART III

DISCLOSURE OF OWNERSHIP INTEREST FORM FORM:

2	2	-	4	4	-	2	7	-	L	1	-	0	7	0	2	3	-	0	0	8	0

PRIMARY STRAP NUMBER:

1. If the property is owned in the fee simple by an **INDIVIDUAL**, tenancy by the entirety, tenancy in common, or joint tenancy, list all parties with an ownership interest as well as the percentage of such interest.

Name and Address	Percentage of Ownership

2. If the property is owned by a **CORPORATION**, list the officers and stockholders and the percentage of stock owned by each.

Name, Address, Office	Percentage of Stock
Lee County Electric Cooperative, Inc	100%
P.O. Box 3455	
North Fort Myers, FL 33918	

3. If the property is in the name of a **TRUSTEE**, list the beneficiaries of the trust with percentages of interest.

Name and Address	Percentage of Interest

4. If the property is in the name of a **GENERAL PARTNERSHIP OR LIMITED PARTNERSHIP**, list the names of general and limited partners.

Name and Address	Percentage of Interest

5. If there is a **CONTACT FOR PURCHASE**, whether contingent on this application Or not, and whether a Corporation, Trustee, or Partnership, list the names of the contract purchasers below, including the officers, stockholders, beneficiaries, or partners.

Name and Address	Percentage of Interest

Date of Contract (mm/dd/yy): / /

6. If any contingency clause or contract terms involve additional parties, list all individuals or officers, if a corporation, partnership, or trust.

Name and Address	Percentage of Interest

For any changes of ownership of changes in contracts for purchase subsequent to the date of the application, but prior to the date of final certificate for compliance, a supplemental disclosure of interest must be filed.

The above is a full disclosure of all parties of interest in this application, to the best of my knowledge and belief.

Sarah Bullock

SIGNATURE OF APPLICANT

Sarah Bullock, CFO

PRINTED OR TYPED NAME OF APPLICANT

STATE OF FLORIDA
COUNTY OF LEE

The foregoing instrument was acknowledged before me this 15th day of April (m), 2026(y), by Sarah Bullock, CFO who is personally know to me or has produced N/A as identification.

CHRISTINE T. DANIELS
Commission # HH 615292
Expires March 21, 2029

SIGNATURE OF NOTARY PUBLIC

PART IV

EXPLANATION

All Permit Application sections must be completed and submitted.

Permit Application fees and submittal items (see Part VI) must be submitted with the application.

Any and all work involving the lands and/or facilities of the District shall not commence without a Board approved permit.

All set policies, procedures, technical requirements, and fee schedules can be found and reviewed in the 'Administrative Policy and Procedures Guide'. The Guide is available at the District Office located at 601 East County Lane, Lehigh Acres, FL or online at lamsid.com/.

PART V

PROFESSIONAL CONSULTANT FORM

ATTORNEY

Name:							
Mailing Address:							
City:		**State:**			**Zip:**		
Business No.	**Area Code:**	**( )**	**Number:**	**-**	**Ext.**		
Other Contact:							

ENGINEER

Name:	Avalon Engineering, Inc/ Kevin Conor						
Mailing Address:	2503 Del Prado Blvd, Suite 200						
City:	Cape Coral	**State:**	FL		**Zip:**	33904	
Business No.	**Area Code:**	**(239)**	**Number:**	573 - 2077	**Ext.**		
Other Contact:	kevin@avaloneng.com						

OTHER REPRESENTATIVE/PROFESSIONAL

Name:							
Mailing Address:							
City:		**State:**			**Zip:**		
Business No.	**Area Code:**	**( )**	**Number:**	**-**	**Ext.**		
Other Contact:							

PART VI

SUBMITTALS

NO. OF COPIES		SUBMITTAL DOCUMENT
SUB'D	REQ'D	
		ITEMS REQUIRED FOR INITIAL SUBMITTAL
2	2	**Construction/Development Plans** signed and sealed by a Licensed Florida Professional Engineer including: 1. Location map showing the location of the proposed project in relation to adjacent streets and LA-MSID facilities. 2. Details of proposed works that fully communicate the work and/or use desired (i.e. Existing Conditions Survey, Proposed Site Plan, Paving Grading & Drainage Plan, Cross Sections, Element Details, and Erosion Control Plan sheets). 3. Sufficient survey data to determine elevations, property and ROW lines, limits of existing and proposed conditions, and notation of utilized vertical datum (NAVD/NGVD).
2	2	**Stormwater Drainage Calculations** signed and sealed by a Licensed Florida Professional Engineer including, but not limited to, computer stormwater routing modeling data (ICPR4, Cascade, etc.) to verify compliance with the Design Criteria (input summary data below): **Water Quality Volume (Required):** **___0.558__**(ACRE-FT) **Water Quality Volume (Provided):** **__0.558 _**(ACRE-FT) **Control Elevation:** **__18.80__**(FT-NGVD) **Minimum Road/Parking Elevation:** **__22.30__**(FT-NGVD) *(above the 10-year, 1-day design storm peak stage elevation)* **Minimum Perimeter Berm Elevation:** **__23.10__**(FT-NGVD) *(above the 25-year, 3-day design storm peak stage elevation)* **Minimum Finished Floor Elevation:** **___24.00_**(FT-NGVD) *(above the 100-year, 3-day design storm peak stage elevation and previously experienced high-water levels external to project)*
2	2	**Flash Drive / CD** containing plans in both AutoCAD (.dwg file drawn in "State Plane Coordinates") and PDF formats.
2	2	**Permit Application** (PARTS I & II)
2	2	**Disclosure of Owner Form (signed and notarized)** (PART III)
2	2	**Professional Consultant Form & Submittals** (PARTS V & VI)
1	1	**Check for appropriate Permit Fees** made out to LA-MSID.

LCEC
PEOPLE. POWER. POSSIBILITIES.
P.O. Box 3455 • North Fort Myers, FL 33918-3455

PLEASE DETACH AND RETAIN

No. 39207 (EFT)
Date: 05/07/2026

DATE	INVOICE	DESCRIPTION		GROSS	NET
05/01/2026	05012026	PERMIT APP WO 40987317		1,750.00	1,750.00
	Vendor: 6273 LEHIGH ACRES MSID		Totals:	1,750.00	1,750.00

Direct Deposit Information
Financial Institution: SYNOVUS BANK
Account: **********9803

Permit #26-89

LCEC
PEOPLE. POWER. POSSIBILITIES.
P.O. Box 3455 • North Fort Myers, FL 33918-3455

No. 39207 (EFT)
64-10/610

TRUIST

PAY TO THE ORDER OF
LEHIGH ACRES MSID
601 EAST COUNTY LANE
LEHIGH ACRES FL 33936

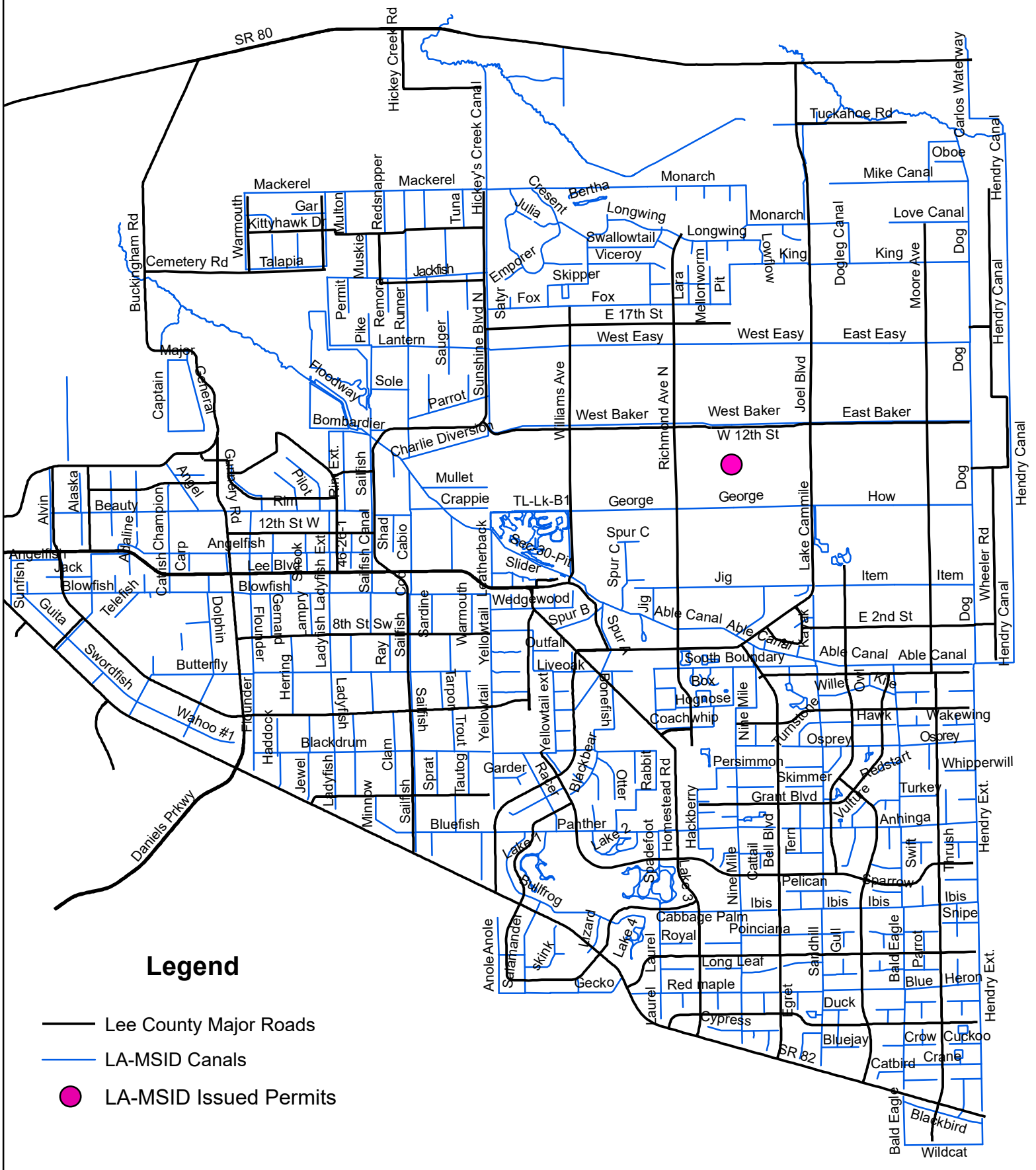
6273

DATE	CHECK NO.	AMOUNT
05/07/2026	39207	$*****1,750.00

Notice of Fund Transfer

NON-NEGOTIABLE

Permit # 2026-89



Legend

- Lee County Major Roads
- LA-MSID Canals
- LA-MSID Issued Permits

© Avalon Engineering Inc., 2025 Avalon Engineering Inc.

P:\CAD\2025\25-135\CONSTRUCTION\PLOT\25-135-01 - COVER.dwg, 01 COVER SHEET, 5/21/2026 2:41:19 PM, 2025 Avalon Engineering Inc.

SITE CONSTRUCTION PLANS
FOR

NORTH LEHIGH
LCEC SUBSTATION

1002 and 1008 NORTH AVE, LEHIGH ACRES - LEE COUNTY, FLORIDA 33972





THIS AREA LEFT BLANK FOR APPROVAL STAMPS

KEVIN C. CONOR LICENSE No. 101582 STATE OF FLORIDA PROFESSIONAL ENGINEER

KEVIN C. CONOR, P.E.
LICENSE# 101582

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY KEVIN C. CONOR, P.E. ON THE DATE ADJACENT TO THE SEAL. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

DEVELOPER:
LEE COUNTY ELECTRIC COOPERATIVE
P.O. BOX 3455
NORTH FORTH MYERS, FL. 33917

ARCHITECT:
HARVARD JOLLY
12751 NEW BRITTANY BLVD. S #401
FORT MYERS, FL 33907

CIVIL ENGINEER/PLANNER:
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD. S #200
CAPE CORAL, FL. 33904

LANDSCAPE:
LANDESCO PLLC
6681 RICH ROAD
N. FORT MYERS, FL. 33917

SURVEYOR:
COLLIERS ENGINEERING & DESIGN
5471 W WATERS AVE. SUITE 100
TAMPA, FL. 33634

ENVIRONMENTAL:
COLLIERS ENGINEERING & DESIGN
5471 W WATERS AVE. SUITE 100
TAMPA, FL. 33634

TRAFFIC ENGINEER:
TR TRANSPORTATION CONSULTANTS, INC.
2726 OAK RIDGE COURT, SUITE 503
FORT MYERS, FL. 33901

RADIO ENHANCEMENT
PLEASE NOTE: PER 2021 NFPA 1: 11.10, TWO WAY RADIO COMMUNICATION ENHANCEMENT SYSTEMS SHALL COMPLY AT THE CONCLUSION OF CONSTRUCTION (NFPA 72 24.5.2)
PLEASE BE AWARE THAT A DIRECTIVE FROM THE FIRE MARSHAL IS IN EFFECT FOR ALL NEW BUILDINGS. THE FIRE MARSHAL HAS REQUIRED, PER CODE, THAT A THIRD PARTY WILL VERIFY BEFORE (AT BUILDING PLAN REVIEW AS A MODEL) OR AFTER (PRIOR TO FIRE FINAL INSPECTION) CONSTRUCTION THAT THE BUILDING MEETS THE REQUIREMENTS OF NFAP 72 FOR RADIO SIGNAL STRENGTH. IF THE BUILDING IS NON COMPLIANT, THE OWNER AND/OR THE CONTRACTOR IS RESPONSIBLE TO MEET THE CODE REQUIREMENTS PRIOR TO THE FIRE FINAL INSPECTION.

Sunshine 811
CALL SUNSHINE (1-800-432-4770)
48 HOURS BEFORE YOU DIG
IT'S THE LAW IN FLORIDA

ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN REDUCED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

VICINITY MAP
0 25 50
FULL SCALE = 50
HALF SCALE = 100

THE INFORMATION AND LINEWORK ON THIS SET OF PLANS IS INTENDED TO BE VIEWED IN FULL COLOR OR AS A PDF FILE. PRINTING THIS PLAN SET IN BLACK & WHITE MAY INHIBIT IMPORTANT VISUAL ELEMENTS NECESSARY TO CLEARLY REPRESENT THE PROVIDED INFORMATION.

SITE DATA:
PROPOSED SITE: 4.25 AC.±

SITE INFORMATION:
ADDRESS: 1002 (SUBSTATION) NORTH AVE, LEHIGH ACRES FLORIDA 33972
1008 (RELAY VAULT) NORTH AVE, LEHIGH ACRES FLORIDA 33972

LOCATION: LOTS 8, 9, 10, 11, 12, 14, 15, 16 AND WEST 1/2 OF LOT 13, BLOCK 23, UNIT 7 "LEHIGH ACRES" PB. 15, PG. 32
SECTION 22, TOWNSHIP 44 SOUTH, RANGE 27 EAST
LEE COUNTY, FLORIDA

STRAP#: 22-44-27-L1-07023.0080

EXISTING ZONING: RS-1 (RESIDENTIAL)
FUTURE LAND USE: UC (URBAN COMMUNITY)
DEVELOPMENT TYPE: SUBSTATION
PROP. FLOOR AREA RATIO: 1,200 SF (0.6% LOT COVERAGE)
BUILDING USE: ELECTRICAL VAULT
FLOOD ZONE: ZONE 'X'
BUILDING HEIGHT: 35' MAX (12' PROPOSED)
BUILDING FINISH FLOOR ELEVATION: (24.00 NAVD)
CONTROL ELEV.: 18.80 NAVD 1988
BUILDING CONSTRUCTION TYPE: IIB
WATER, SEWER & IRRIGATION: ON SITE WELL & SEPTIC TANK (PRIVATE)

SHEET INDEX

1	COVER SHEET
2	GENERAL NOTES AND LEGEND
3	AERIAL AND HYDROLOGY MAP
4	EXISTING CONDITIONS AND DEMOLITION PLAN
5	EROSION CONTROL PLAN
6	SITE DIMENSION AND STRIPING PLAN
7	TYPICAL PAVING DETAILS
8	PAVING, GRADING AND DRAINAGE PLAN
9	TYPICAL SECTIONS
10	TYPICAL INLETS AND DRAINAGE DETAILS
11	UTILITY PLAN

LANDSCAPE AND IRRIGATION PLAN (BY OTHERS)
LIGHTING PLAN (BY OTHERS)
SURVEY (BY OTHERS)

DATE	BY	REVISION DESCRIPTION
5/21/26	KCC	INITIAL DO SUBMITTAL

AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD. S #200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

NORTH LEHIGH
LCEC SUBSTATION
1002-1008 NORTH AVE, 1201-1205 E 10TH ST.
1003 THOMPSON AVE, LEHIGH ACRES.
FLORIDA 33972

COVER SHEET

#25-135/CONST.

VERTICAL ELEVATIONS BASED ON: NAVD 88

GENERAL CONSTRUCTION NOTES

1. ALL ELEVATIONS REFER TO N.A.V.D. 1988, UNLESS OTHERWISE NOTED.
2. CONTRACTOR SHALL LOCATE AND VERIFY THE SIZE, LOCATION AND DEPTH OF ALL EXISTING UTILITIES IN THE FIELD AND SHALL NOTIFY THE UTILITY COMPANIES IN THE AREA BEFORE BEGINNING CONSTRUCTION. ANY UTILITIES THAT ARE DISTURBED OR DAMAGED BY THE CONTRACTOR SHALL BE IMMEDIATELY REPAIRED OR REPLACED BY THE CONTRACTOR AT HIS EXPENSE. ANY DISCREPANCY NOT CALLED TO THE ENGINEER'S ATTENTION PRIOR TO ACCOMPLISHMENT OF THE WORK SHALL BE CORRECTED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
3. ALL MATERIALS AND WORKMANSHIP UNDER THIS PROJECT SHALL BE IN STRICT ACCORDANCE WITH THE CURRENT CONSTRUCTION STANDARDS AND SPECIFICATIONS OF LEE COUNTY DEVELOPMENT STANDARDS AND FLORIDA DEPARTMENT OF (FDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE TRANSPORTATION CONSTRUCTION AND LEE COUNTY UTILITIES (LCU) UNLESS OTHERWISE NOTED.
4. CONCRETE SIDEWALK: USE CLASS I, 3000 PSI (MINIMUM) CONCRETE. APPLY A BROOM FINISH AND MAKE VERTICAL SAW CUTS AT 5' ON CENTER AT A DEPTH OF 1/4 OF THE SLAB THICKNESS. PROVIDE PRE-FORMED EXPANSION JOINTS AT 50' ON CENTER.
5. CONCRETE CURB & GUTTER AND STRAIGHT CURB: USE CLASS I, 3000 PSI (MINIMUM) CONCRETE. MAKE VERTICAL SAW CUTS EVERY 10' ON CENTER WITH PRE-MOLDED EXPANSION JOINTS EVERY 50' ON CENTER.
6. CONSTRUCTION OF NEW DRIVEWAYS AND/OR ALLEYS SHALL BE IN STRICT ACCORDANCE WITH THE CONSTRUCTION STANDARDS AND SPECIFICATIONS OF LEE COUNTY TRANSPORTATION. ALL EXISTING GRADES ALONG RIGHT-OF-WAY SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
7. ALL CONSTRUCTION WITHIN THE RIGHT-OF-WAY SHALL BE IN STRICT ACCORDANCE WITH THE CURRENT FLORIDA DEPARTMENT OF TRANSPORTATION STANDARDS AND ALL REQUIRED INSPECTIONS PERFORMED BY THEM. CONTRACTOR SHALL PROVIDE BOND AND PERMIT FEE AND OBTAIN PERMIT AS REQUIRED.
8. PAVEMENT MARKINGS AND SIGNS SHALL BE IN STRICT ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" AND FDOT STANDARD INDEX #711-001.
9. ALL PERVIOUS AREAS WITHIN THE PROJECT CONSTRUCTION LIMITS SHALL BE GRASSED, SODDED OR MULCHED IN ACCORDANCE WITH THE APPROVED LANDSCAPE PLAN.
10. THE CONTRACTOR SHALL BE REQUIRED TO MEET ALL "MAINTENANCE OF TRAFFIC" REQUIREMENTS AS PRESCRIBED IN THE CURRENT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", F.H.W.A. MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, PART VI, CURRENT EDITION, AND ALL APPLICABLE SECTIONS OF THE ROAD AND TRAFFIC DESIGN STANDARDS, FLORIDA DEPARTMENT OF TRANSPORTATION, CURRENT EDITION.
11. THERE ARE NO KNOWN WELLS LOCATED ON THIS JOB SITE. IF ANY WELLS ARE LOCATED DURING CONSTRUCTION THE CONTRACTOR IS RESPONSIBLE TO NOTIFY THE ENGINEER.
12. ALL PRACTICABLE AND NECESSARY EFFORT SHALL BE TAKEN DURING CONSTRUCTION TO CONTROL AND PREVENT EROSION AND TRANSPORT OF SEDIMENT TO SURFACE DRAINS, SWALES AND OUTFALLS. (REFER TO EROSION CONTROL PLAN)
13. WHERE THE NEW PAVEMENT IS DISCONTINUED IT SHALL BE FLUSH WITH OR HAVE A SMOOTH TRANSITION WITH ADJACENT PAVEMENT.
14. ALL INVERT ELEVATIONS NOTED FOR DRAINAGE STRUCTURES ARE FLOW LINE ELEVATIONS.
15. ALL DISTURBED AREAS WITHIN R/W'S SHALL BE REGRADED AS REQUIRED AND STABILIZED WITH SOD.
16. STORM DRAIN (SD) SHALL BE REINFORCED CONCRETE PIPE, ADS N-12, ALUMINUM, PVC SDR-35, A-2000 PVC, OR AS SHOWN ON PLANS. NO STEEL PIPE, NON REINFORCED CONCRETE PIPE, OR FIBER REINFORCED PIPE.
17. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER SHOP DRAWINGS OF ANY AND ALL MATERIALS, STRUCTURES, PIPING, VALVES, VALVE BOXES, ETC, TO BE USED ON SITE PRIOR TO ORDERING OR INSTALLING, INCLUDING MFG. OF SAME.
18. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION AND CONDUIT INSTALLATION FOR UNDERGROUND ELECTRIC, PHONE AND CABLE.
19. THIS PROJECT DOES NOT PROPOSE ANY IMPACTS TO GROUND WATER OR SURFACE WATER. CONTRACTOR SHALL INFORM ENGINEER OF RECORD OF ANY POTENTIAL IMPACTS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
20. THE EXISTING LCDOT TRAFFIC DETECTORS AND COMMUNICATIONS INFRASTRUCTURE INCLUDING TRAFFIC COUNT STATIONS, PULL BOXES, AND FIBER OPTIC CABLES ALONG SR 80 MUST BE PROTECTED ALL THE TIME DURING THE CONSTRUCTION OF THE PROJECT. THE CONTRACTOR MUST COORDINATE WITH THE LCDOT TRAFFIC SECTION TO REPAIR ALL DAMAGES TO TRAFFIC SIGNAL EQUIPMENT, TRAFFIC DETECTORS, FIBER OPTIC CABLES, AND COMMUNICATIONS INFRASTRUCTURE WITHIN 24 HOURS OF BEING DAMAGED.
21. WHERE RCP STORM PIPE IS SPECIFIED ON THE PLANS, ADS HP STORM PIPE CAN BE UTILIZED AS AN EQUAL ALTERNATIVE AT THE OWNER'S DISCRETION. SPECIAL BEDDING, BACKFILL, WATER-TIGHT GASKETS / JOINT JACKETS, AND/OR DEWATERING PRACTICES MAY BE REQUIRED TO FACILITATE THE USE OF THE PIPE ALTERNATE. THE CONTRACTOR IS REQUIRED TO CONTACT ADVANCED DRAINAGE SYSTEMS, INC. TO REQUEST A DRAINAGE NETWORK ANALYSIS TO ASSESS THE SYSTEM FOR FLOTATION PREVENTION, MINIMUM COVER AND PIPE CLASSIFICATION. COPIES OF THE ANALYSIS MUST BE PROVIDED TO ENGINEER OF RECORD PRIOR TO COMMENCEMENT OF CONSTRUCTION FOR APPROVAL.
22. CONTRACTOR IS RESPONSIBLE FOR BRINGING ANY CONFLICTS AND/OR DISCREPANCIES RELEVANT TO DESIGN AND/OR DETAILS PROPOSED WITHIN CONSTRUCTION PLANS TO ATTENTION OF THE ENGINEER OF RECORD PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES.

TRANSFORMER PAD NOTES:

1. CONTRACTOR TO COORDINATE TRANSFORMER PAD SIZE AND LOCATION WITH UTILITY COMPANY PRIOR TO CONSTRUCTION.
2. TRANSFORMER SYMBOL SHOWN ON PLANS IS FOR GRAPHICAL PURPOSES ONLY.
3. TOP OF PAD SHALL BE AT FINISH GRADE BUT NOT TO EXCEED 6 INCHES ABOVE FINISH GRADE.
4. MAINTAIN ACCESS TO PAD-MOUNTED EQUIPMENT LOCATED ON THE PROPERTY.
5. THERE SHALL BE 8 FEET OF CLEARANCE FROM THE DOOR SIDE AND 3 FEET OF CLEARANCE FROM OTHER SIDES OF PAD FROM ITEMS SUCH AS FENCES, SHRUBS AND OTHER OBSTRUCTIONS.
6. SUITABLE BARRIERS SHALL BE INSTALLED, IF SPECIFIED BY ELECTRIC COMPANY, TO PROTECT THE PAD MOUNTED TRANSFORMER AND ASSOCIATED METERING EQUIPMENT FROM VEHICULAR TRAFFIC.
7. UTILITY EASEMENT SHALL BE PROVIDED FOR THE TRANSFORMER PAD AND DISTRIBUTION CABLES. SIZE TO BE DETERMINED BY THE UTILITY COMPANY.

RIGHT-OF-WAY CONSTRUCTION NOTES

1. CONTRACTOR SHALL LOCATE AND VERIFY THE SIZE, LOCATION AND DEPTH OF ALL EXISTING UTILITIES IN THE FIELD AND SHALL NOTIFY THE UTILITY COMPANIES IN THE AREA BEFORE BEGINNING CONSTRUCTION. ANY UTILITIES THAT ARE DISTURBED OR DAMAGED BY THE CONTRACTOR SHALL BE IMMEDIATELY REPAIRED OR REPLACED BY THE CONTRACTOR AT HIS EXPENSE. ANY DISCREPANCY NOT CALLED TO THE ENGINEER'S ATTENTION PRIOR TO ACCOMPLISHMENT OF THE WORK SHALL BE CORRECTED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
2. ALL MATERIALS AND WORKMANSHIP UNDER THIS PROJECT SHALL BE IN STRICT ACCORDANCE WITH THE CURRENT CONSTRUCTION STANDARDS AND SPECIFICATIONS OF LEE COUNTY DEVELOPMENT STANDARDS AND FLORIDA DEPARTMENT OF (FDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE TRANSPORTATION CONSTRUCTION UNLESS OTHERWISE NOTED.
3. CONCRETE SIDEWALK: USE CLASS I, 3000 PSI (MINIMUM) CONCRETE. APPLY A BROOM FINISH AND MAKE VERTICAL SAW CUTS AT 5' ON CENTER AT A DEPTH OF 1/4 OF THE SLAB THICKNESS. PROVIDE PRE-FORMED EXPANSION JOINTS AT 50' ON CENTER.
4. CONCRETE CURB & GUTTER AND STRAIGHT CURB: USE CLASS I, 3000 PSI (MINIMUM) CONCRETE. MAKE VERTICAL SAW CUTS EVERY 10' ON CENTER WITH PRE-MOLDED EXPANSION JOINTS EVERY 50' ON CENTER.
5. CONSTRUCTION OF NEW DRIVEWAYS AND/OR ALLEYS SHALL BE IN STRICT ACCORDANCE WITH THE CONSTRUCTION STANDARDS AND SPECIFICATIONS OF LEE COUNTY TRANSPORTATION. ALL EXISTING GRADES ALONG RIGHT-OF-WAY SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
6. ALL CONSTRUCTION WITHIN THE COUNTY RIGHT-OF-WAY SHALL BE IN STRICT ACCORDANCE WITH THE CURRENT LEE COUNTY DEPARTMENT OF TRANSPORTATION STANDARDS AND ALL REQUIRED INSPECTIONS PERFORMED BY THEM. CONTRACTOR SHALL PROVIDE BOND AND PERMIT FEE AND OBTAIN LCDOT PERMIT AS REQUIRED.
7. PAVEMENT MARKINGS AND SIGNS SHALL BE IN STRICT ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" AND FDOT STANDARD INDEX #711-001.
8. ALL PERVIOUS AREAS WITHIN THE PROJECT CONSTRUCTION LIMITS SHALL BE GRASSED, SODDED OR MULCHED IN ACCORDANCE WITH THE APPROVED LANDSCAPE PLAN.
9. THE CONTRACTOR SHALL BE REQUIRED TO MEET ALL "MAINTENANCE OF TRAFFIC" REQUIREMENTS AS PRESCRIBED IN THE CURRENT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", F.H.W.A. MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, PART VI, CURRENT EDITION, AND ALL APPLICABLE SECTIONS OF THE ROAD AND TRAFFIC DESIGN STANDARDS, FLORIDA DEPARTMENT OF TRANSPORTATION, CURRENT EDITION.
10. ALL PRACTICABLE AND NECESSARY EFFORT SHALL BE TAKEN DURING CONSTRUCTION TO CONTROL AND PREVENT EROSION AND TRANSPORT OF SEDIMENT TO SURFACE DRAINS, SWALES AND OUTFALLS. (REFER TO EROSION CONTROL PLAN)
11. WHERE THE NEW PAVEMENT IS DISCONTINUED IT SHALL BE FLUSH WITH OR HAVE A SMOOTH TRANSITION WITH ADJACENT PAVEMENT.
12. ALL INVERT ELEVATIONS NOTED FOR DRAINAGE STRUCTURES ARE FLOW LINE ELEVATIONS.
13. ALL DISTURBED AREAS WITHIN COUNTY R/W'S SHALL BE REGRADED AS REQUIRED AND STABILIZED WITH SOD.
14. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER SHOP DRAWINGS OF ANY AND ALL MATERIALS, STRUCTURES, PIPING, VALVES, VALVE BOXES, ETC, TO BE USED ON SITE PRIOR TO ORDERING OR INSTALLING, INCLUDING MFG. OF SAME.

MISC. NOTES

1. THE SIZES AND LOCATIONS OF THE UNDERGROUND ELECTRIC CONDUITS, SLEEVES, TRANSFORMERS, ENCLOSURES, LIGHT POLES AND OTHER APPURTENANCES ARE BASED UPON THE DESIGN PROVIDED BY THE LEE COUNTY ELECTRIC COOPERATIVE (LCEC). THE LCEC SHALL VERIFY ACTUAL LOCATION, SIZE AND DEPTH PRIOR TO INSTALLATION OF THEIR FACILITIES. THE SITE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE CONSTRUCTION OF THE OTHER SITE-RELATED IMPROVEMENTS (I.E. PAVING, DRAINAGE, WATER, SEWER, ETC.) WITH THE VERIFIED LAYOUT BY LCEC.
2. OUTDOOR LIGHTING SHALL COMPLY WITH ALL LEE COUNTY CODES, STANDARDS AND REGULATIONS, AND SHALL BE DESIGNED IN A FASHION TO PROVIDE ADEQUATE VISIBILITY WITHIN THE DEVELOPMENT WHILE NOT ADVERSELY IMPACTING ADJOINING PROPERTIES. PRIOR TO ISSUANCE OF ANY BUILDING PERMIT, SITE LIGHTING PLAN AND PHOTOMETRIC PLAN SHALL BE SUBMITTED AND APPROVED BY LEE COUNTY.
3. PLANTINGS AT BOTTOM OF RETENTION/DETENTION AREAS I.E. TREES, PALMS AND SHRUBS, MUST NOT INTERFERE WITH THE VOLUME OF STORMWATER STORAGE, OR IMPEDE THE FLOW OF RUNOFF. TREES AND SHRUBS MUST NOT INTERFERE WITH THE REQUIRED SIDE SLOPES AND SHALL NOT BE PLANTED ON SLOPES GREATER THAN 3:1. RETENTION/DETENTION AREAS MUST BE STABILIZED WITH SOD UNLESS AN ALTERNATIVE METHOD IS SPECIFICALLY PERMITTED PRIOR TO PLANS APPROVAL. NO ORGANIC MULCH WILL BE PERMITTED IN RETENTION/DETENTION AREAS. LAND USE REGULATION 5.2

FIRE FLOW CALC'S:

REFER T0 ARCH./FIRE PROTECTION PLANS FOR DESIGN, NOTES, DETAILS AND FIRE FLOW RATING AND CALCULATIONS

FIRE SERVICE NOTES:

FIRE SERVICE LAYOUT AND/OR DETAILS SHOWN FOR INFORMATION PURPOSES ONLY. ALL FIRE SERVICE MAINS, CONNECTIONS, DETAILS AND SPECIFICATIONS SHALL BE DESIGNED BY FIRE PROTECTION ENGINEER AND INSTALLED BY A LICENSED FIRE SPRINKLER CONTRACTOR AND SHALL BE INSPECTED, VERIFIED AND APPROVED BY THE LOCAL FIRE DEPARTMENT AS REQUIRED. ALL UNDERGROUND FIRE MAIN CONSTRUCTION SHALL CONFORM TO NFPA 13, CHAPTER 10 AND NFPA 24. REFER TO ARCH./FIRE PROTECTION PLANS FOR ADDITION INFORMATION.

GEOTECH REPORT NOTE:

THE SITE CONTRACTOR SHALL BECOME FAMILIAR WITH THE GEOTECHNICAL REPORT IF ONE WAS PREPARED. THE CONTRACTOR SHALL COMPLY WITH ALL THE SITE PREPARATION AND OTHER SITE RELATED ITEMS, RECOMMENDATIONS AND PROCEDURES.

UTILITIES:

FIRE
LEHIGH ACRES FIRE DISTRICT
636 THOMAS SHERWIN AVE S
LEHIGH ACRES, FL 33974
(239)-303-5300

TELEPHONE
CENTURY LINK
2820 CARGO STREET
FT. MYERS, FL. 33916
(239) 645-4922

CABLE
COMCAST CABLE
301 TOWER ROAD
NAPLES, FL. 34113
(239) 432-9227

REFUSE
WASTEPRO
13110 RICKENBACKER PKWY
FT. MYERS, FL. 33913
(239) 337-0800

ELECTRIC
LCEC, INC.
4980 BAYLINE DR.
N. FORT MYERS, FL 33917
(239) 656-2296

GAS
TECO/PEOPLE & GAS
5901 ENTERPRISE PARKWAY
FT. MYERS, FL. 33905
(239) 690-5508

WATER
FGUA
9400 SOUTHPARK CENTER LOOP
SUITE 400
ORLANDO, FL. 32819
(407) 629-6900

SEWER
FGUA
9400 SOUTHPARK CENTER LOOP
SUITE 400
ORLANDO, FL. 32819
(407) 629-6900

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MISC. ON-SITE UTILITY NOTES:

1. WATER PIPE 2" AND SMALLER TO BE POLYVINYL CHLORIDE (PVC) AND SHALL CONFORM TO ASTM D-1785, PVC CLASS 1120 OR 1220 SCHEDULE 40 OR 80, 30" MINIMUM COVER. WATER PIPE GREATER THAN 2" UP TO AND INCLUDING 10" DIAMETER SHALL BE AWWA D-900, CLASS 150, DR-18, MINIMUM 30" COVER. ALL APPURTENANCES USED SHALL BE NSF ANSI-GI AND OR ANSI-14 APPROVED PER CONTRACT.
2. GRAVITY SEWER PIPE 4" DIAMETER AND GREATER SHALL BE PVC AND SHALL CONFORM TO ASTM D-3034, SDR 26, 3 FOOT MINIMUM COVER, UNLESS OTHERWISE SHOWN. FORCE MAIN PIPE SHALL BE AWWA C-900, CLASS 150, DR-18, MINIMUM 30" COVER.
3. WHERE WATER AND SEWER MAINS CROSS THE MINIMUM VERTICAL SEPARATION SHALL BE 18 INCHES. WHERE THIS IS NOT POSSIBLE, THE SEWER MAIN SHALL BE ENCASED IN CONCRETE 10 FEET EITHER SIDE OF THE POINT OF CROSSING (SEE DETAIL FOR OTHER OPTIONS). THE CONTRACTOR SHALL COMPLY WITH RULE 62-555.345 FAC. SEE CROSSING DETAILS.

LEGEND

- C-1 COM — ZONING AND LANDUSE
- EXIST. WATER MAIN & G.V.
- PROP. WATER MAIN & G.V.
- METER AND/OR BACKFLOW DEVICE
- FIRE HYDRANT ASSEMBLY
- FDC ASSY. W/ PIV & CHECK VALVE
- PROP. BLOW-OFF VALVE
- PROP. D.I.P. WATER LINE
- EXIST. IRRIGATION MAIN & G.V.
- PROP. IRRIGATION MAIN & G.V.
- EXIST. FIRE MAIN & G.V.
- PROP. FIRE MAIN & SERVICE
- EXIST. SANITARY SEWER MAIN (SDR 26 PVC) AND MANHOLE
- PROP. SANITARY SEWER MAIN (SDR 26 PVC) AND MANHOLE
- SANITARY SEWER LATERAL W/ CLEANOUT
- EXIST. SEWER FORCE MAIN
- PROP. SEWER FORCE MAIN
- PROP. PLUG VALVE
- EXIST. STORM DRAIN & INLET
- PROP. STORM DRAIN & INLET
- PROP. YARD DRAIN
- PROP. ROOF DRAIN HEADER
- P-25 — STRUCTURE I.D.
- RETENTION AREAS
- (2) 4" PVC SLEEVES AT 24" MIN. COVER
- PVC SLEEVES (MIN. 24" COVER) FOR CONDUIT RUN ONLY. (QTY. & SIZE TO BE DETERMINED BY ELECTRIC COMPANY)
- 4.50 — EXISTING ELEVATION
- DRAINAGE FLOW ARROW
- PROPOSED ELECTRIC CAR CHARGING POST WITH SIGN
- PROPOSED BIKE RACK
- XX.XX — PROPOSED ELEVATION
- XX.XX — PROPOSED CITY DESIGN ELEVATION **
- LIGHT POLE (BY OTHERS)
- HANDICAP RAMP (12:1 MAX. SLOPE)
- ROCK BOULDER RIP-RAP OVER FILTER FABRIC
- POWER POLE W/OVERHEAD LINES
- TF — TRANSFORMER PAD (BY OTHERS, COORDINATE W/ELEC. COMPANY)
- T — PHONE/CABLE BOX (BY OTHERS)
- CONCRETE
- DETECTABLE WARNING MATERIAL
- HEAVY DUTY ASPHALT PAVEMENT (SEE SECTIONS)
- TYPICAL ASPHALT PAVEMENT (SEE SECTIONS)
- PROPOSED BUILDING
- DRY RETENTION AREA
- LAKE

** ALL DESIGN ELEVATIONS WITHIN CITY R/W INCLUDING PAVEMENT, WALKS, DRIVES & ALLEYS ARE TO BE COORDINATED WITH CITY PUBLIC WORKS DEPT. PRIOR TO CONSTRUCTION.

NOTE:
SEWER, WATER/IRRIGATION SERVICES AND FIRE HYDRANT ASSEMBLIES ARE SHOWN IN A SCHEMATIC FORMAT FOR CLARITY. REFER TO SEWER & WATER/IRRIGATION DETAIL SHEETS FOR PLACEMENT OF SERVICES AND HYDRANTS.

VERTICAL ELEVATIONS BASED ON: NAVD 88

KEVIN C. CONOR LICENSE No. 101582 STATE OF FLORIDA PROFESSIONAL ENGINEER
KEVIN C. CONOR, P.E.
LICENSE# 101582

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004,FAC

DATE	BY	REVISION DESCRIPTION
5/21/26	KC	INITIAL DO SUBMITTAL

AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD. S #200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

NORTH LEHIGH
LCEC SUBSTATION
1002-1008 NORTH AVE, 1201-1205 E 10TH ST.
1003 THOMPSON AVE LEHIGH ACRE,
FLORIDA 33972

GENERAL NOTES AND LEGEND

#25-135/CONST.

2 OF 11

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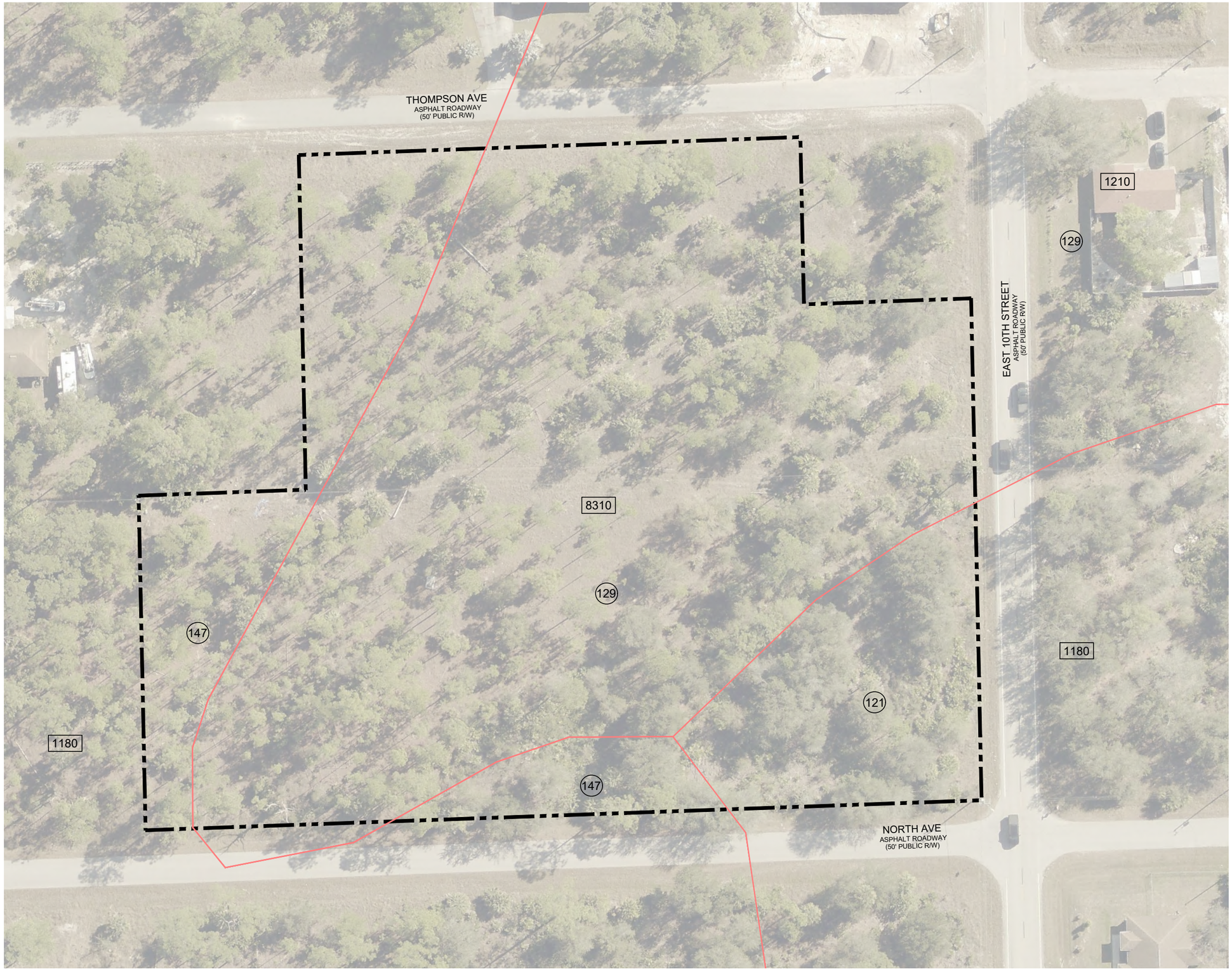

SOIL LEGEND

- 121 MALABAR FINE SAND, HIGH-URBAN LAND COMPLEX, 0 TO 2% SLOPES
- 129 PINEDA FINE SAND-URBAN LAND COMPLEX, 0 TO 2% SLOPES
- 147 PINEDA FINE SAND, LIMESTONE SUBSTRATUM-URBAN LAND COMPLEX, 0 TO 2% SLOPES

FLUCCS

- 1180 RURAL RESIDENTIAL, UPLAND SHRUB AND BRUSHLAND
- 1210 FIXED SINGLE FAMILY UNITS
- 8310 ELECTRICAL POWER FACILITIES

LEGEND

- PROTECTED SPECIES BURROW

FLOOD ZONE DESCRIPTION

RELATIVE FLOOD ZONE:
ZONE 'X'

VERTICAL ELEVATIONS BASED ON: NAVD 88

MAJ SCALE = 60
HALF SCALE = 60

KEVIN C. CONOR LICENSE No. 101582 STATE OF FLORIDA PROFESSIONAL ENGINEER

KEVIN C. CONOR, P.E.
LICENSE# 101582

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1003 THOMPSON AVE, LEHIGH ACRE,
FLORIDA 33972

AERIAL AND HYDROLOGY MAP

#25-135/CONST.

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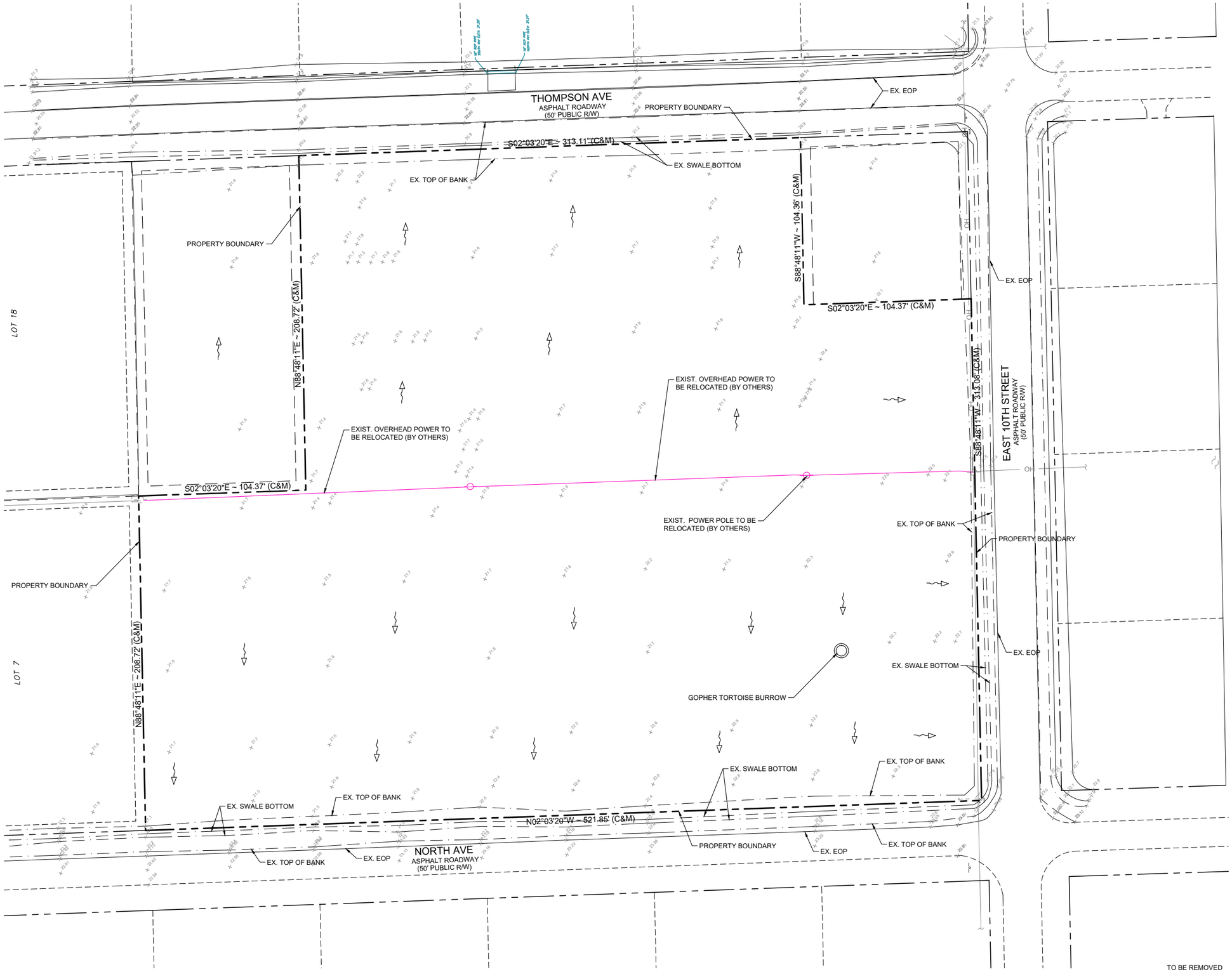

CLEARING NOTES:

1. EXOTIC VEGETATION AS DEFINED BY LEE COUNTY LAND DEVELOPMENT CODE SHALL BE ERADICATED FROM THE SITE AND SUBSEQUENT ANNUAL EXOTIC ERADICATION (IN PERPETUITY) SHALL BE THE RESPONSIBILITY OF THE PROPERTY OWNER.
2. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, ALL EXISTING NATIVE VEGETATION TO BE RETAINED SHALL BE IDENTIFIED. THE CONTRACTOR SHALL INSTALL ENVIROFENCE (OR EQUAL) BEYOND THE DRIP LINES OF THE PRESERVED VEGETATION AND ALONG THE LIMITS OF CLEARING. THE FENCE SHALL REMAIN ERECTED AND MAINTAINED THROUGHOUT THE DURATION OF THE CONSTRUCTION ACTIVITIES.

LEGEND

EXISTING DRAINAGE FLOW ARROW

GOPHER TORTOISE BURROW

VERTICAL ELEVATIONS BASED ON: NAVD 88

KEVIN C. CONOR, P.E.
LICENSE# 101582

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CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

NORTH LEHIGH
LCEC SUBSTATION
1002-1008 NORTH AVE, 1201-1205 E 10TH ST,
1003 THOMPSON AVE LEHIGH ACRE,
FLORIDA 33972

EXISTING CONDITIONS AND DEMOLITION PLAN

#25-135/CONST.

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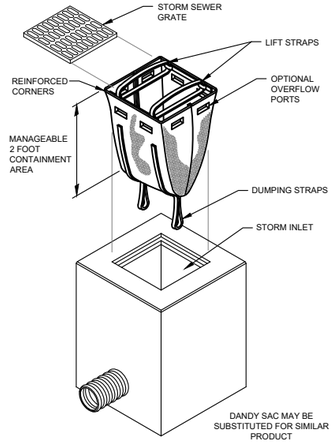
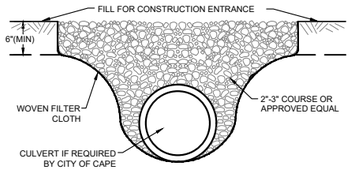
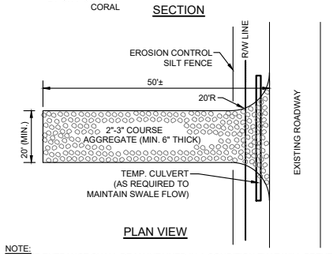


DANDY SACK™ INLET PROTECTION

N.T.S.



SECTION

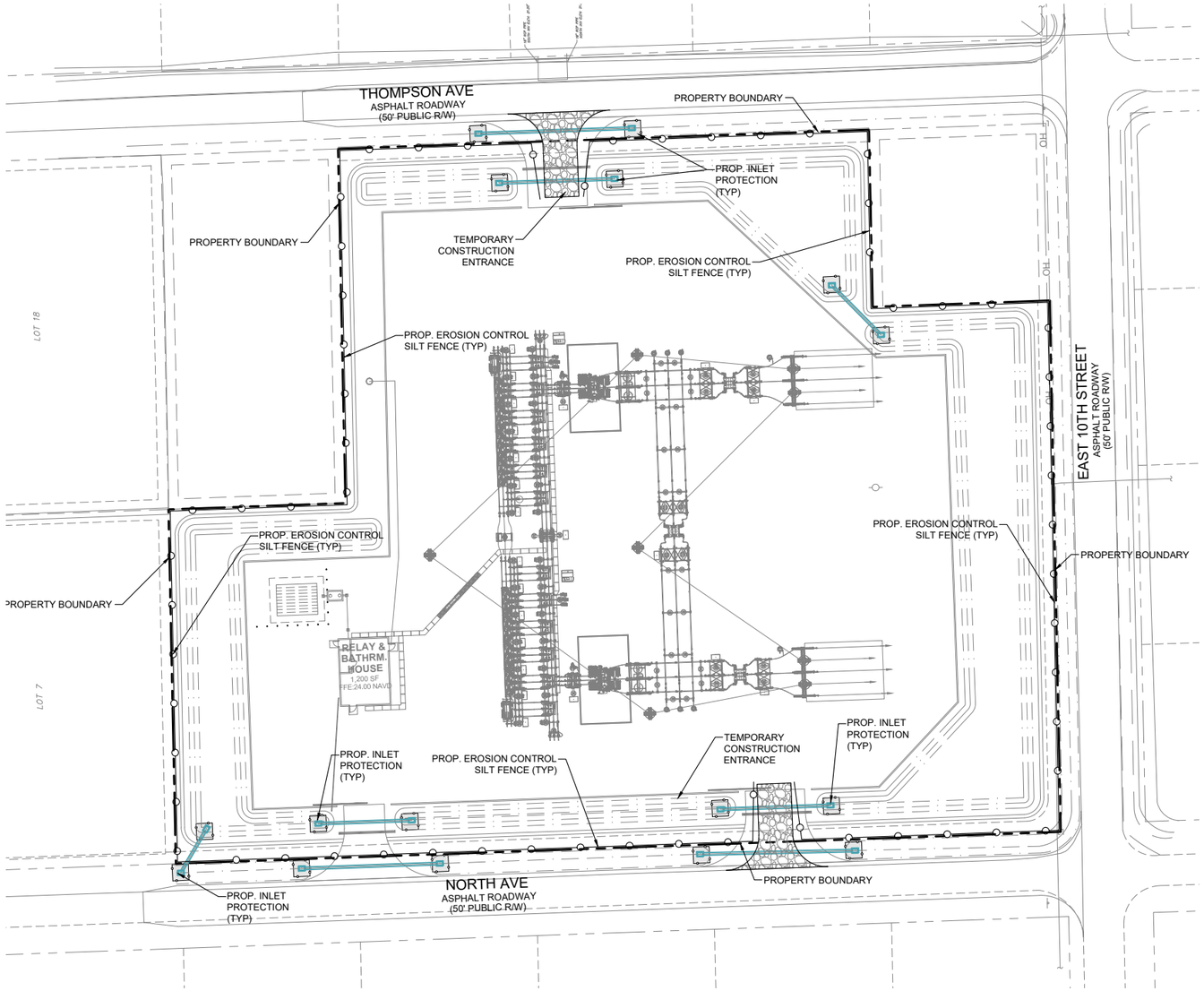


PLAN VIEW

NOTE:
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC R/W. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC R/W.
3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED W/ CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

TEMP. CULVERT @ CONST. ENTRANCE

N.T.S.



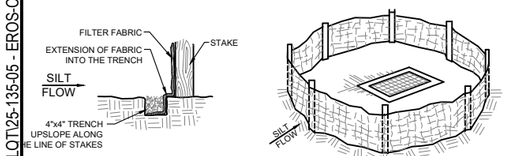
EROSION CONTROL NOTES

1. THE CONTRACTOR SHALL ADHERE TO THE SEQUENCE OF OPERATIONS FOR EROSION CONTROL IMPLEMENTATION HEREON. ANY DEVIATION FROM THIS SEQUENCE DEEMED NECESSARY BY THE CONTRACTOR SHALL BE APPROVED BY THE OWNER.
2. THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS INVOLVED WITH THE CONSTRUCTION ACTIVITIES RELATED TO EROSION CONTROL AS SHOWN OR NOTED HEREON SHALL OBTAIN A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP), AS WELL AS THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT FOR THIS SITE, AND BECOME FAMILIAR WITH THEIR CONTENTS.
3. ALL WASH WATER SHALL BE DISPOSED OF IN A MANNER THAT PREVENTS CONTACT BETWEEN WASH WATER POLLUTANTS AND STORM RUNOFF DISCHARGED FROM THIS SITE.
4. OIL AND GREASE ABSORBING MATERIALS SHALL BE READILY AVAILABLE ON-SITE AND SHALL BE PROMPTLY USED TO CONTAIN AND/OR CLEAN UP ALL FUEL OR CHEMICAL SPILLS OR LEAKS.
5. DUST CONTROL SHALL BE ACCOMPLISHED BY WATERING DRY, EXPOSED AREAS ON A REGULAR BASIS. SPRAYING OF PETROLEUM BASED OR TOXIC LIQUIDS FOR THIS IS PROHIBITED.
6. ALL CITY RIGHT-OF-WAYS THAT ARE DISTURBED DURING CONSTRUCTION SHALL BE PERMANENTLY SODDED PRIOR TO THE COMPLETION OF THE PROJECT.
7. DISTURBED AREAS OF THE SITE WHERE CONSTRUCTION AREAS HAVE PERMANENTLY CEASED SHALL BE PERMANENTLY SEEDED OR SODDED, AS SHOWN ON THE ATTACHED PLAN, WITHIN FOURTEEN DAYS.
8. ALL VEHICLES SHALL BE CLEANED AT THE CONSTRUCTION SITE PRIOR TO EXITING.
9. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED ONTO ADJACENT ROADWAYS BY VEHICLES EXITING THE SITE SHALL BE CLEANED OR REMOVED IMMEDIATELY.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROMPT REMOVAL OF ALL ACCUMULATED SILT IN THE STORM SEWER SYSTEM AND ALONG SILT FENCES.
11. SILT FENCES SHALL BE PLACED AROUND ANY STOCKPILES USED ON THIS SITE.
12. ANY ADDITIONAL EROSION CONTROL MEASURES REQUIRED TO ENSURE COMPLIANCE WITH THE U.S.E.P.A.; FLORIDA DEP AND LOCAL GOVERNING AGENCY STORM WATER POLLUTION REGULATIONS SHALL BE IMPLEMENTED BY THE CONTRACTOR, AT NO ADDITIONAL COST TO THE OWNER.
13. ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED AND PROPERLY DISPOSED OF OFF-SITE WITHIN THIRTY DAYS AFTER STABILIZATION OF ALL SURFACES.
14. THE CONTRACTOR SHALL ASSUME LIABILITY FOR DAMAGE TO ADJACENT PROPERTIES AND/OR PUBLIC RIGHT-OF-WAY RESULTING FROM FAILURE TO FULLY IMPLEMENT AND EXECUTE ALL EROSION CONTROL PROCEDURES SHOWN AND NOTED IN THE PLANS.
15. WHENEVER DIRT, ROCK OR OTHER MATERIALS ARE EXPORTED FOR USE OFF OF THE PRIMARY CONSTRUCTION SITE, THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THAT EPA STORMWATER PERMITTING REQUIREMENTS ARE MET. PRIOR TO ANY EXPORT OF MATERIALS, THE CONTRACTOR SHALL FURNISH THE ENGINEER WITH A WRITTEN AGREEMENT WITH ANY LANDOWNER WHO WILL RECEIVE EXPORTED MATERIALS, STATING THAT THE SITE WILL BE PROPERLY PERMITTED WHEN REQUIRED AND DESCRIBE THE EROSION CONTROL MEASURES WHICH WILL BE USED. AT A MINIMUM, EROSION CONTROL MEASURES MUST CONSIST OF PERIMETER CONTROLS (SYNTHETIC BALES OR SILT FENCES) ON ALL DOWNSLOPE AND SIDESLOPE BOUNDARIES OF ANY DISTURBED AREAS, PLUS PROVISIONS FOR RE-VEGETATION AFTER THE FILL MATERIALS ARE IN PLACE.
16. PRIOR TO CONSTRUCTION FILTER FABRIC SILT FENCE, OR OTHER APPROVED EROSION CONTROL DEVICES SHALL BE INSTALLED ACROSS THE SWALE AT THE LOWEST DISTURBED POINT TO PREVENT EROSION MATERIAL FROM LEAVING THE CONSTRUCTION AREA, INCLUDING ANY VACANT AREAS USED FOR INGRESS AND EGRESS. ALTERNATIVE USES COULD BE GEO-HAY, WADDLES, TERRA TUBES, SEDIMENT LOGS, ETC.
17. ALL AFFECTED STORMWATER PIPES, INLETS AND CATCH BASINS SHALL BE PROTECTED BY EROSION CONTROL DEVICES TO PREVENT CONSTRUCTION RELATED EROSION MATERIAL FROM ENTERING THE STORMWATER SYSTEM. SHOULD THE EROSION CONTROLS NOT BE INSTALLED AND/OR FAIL THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING THE ENTIRE SYSTEM AS DEEMED NECESSARY BY THE ENGINEER AND GOVERNING AGENCY.
18. THE EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO ANY CONSTRUCTION PROCESS AND SHALL REMAIN IN PLACE UNTIL STABILIZED WITH SOD AND THE VACANT AREAS ARE SEEDED AND MULCHED.
19. REFER TO FDOT EROSION AND SEDIMENT CONTROL MANUAL & DETAILS.
20. ALL DEWATERING SHALL BE IN ACCORDANCE WITH S.F.W.M.D. CRITERIA.

NOTES:

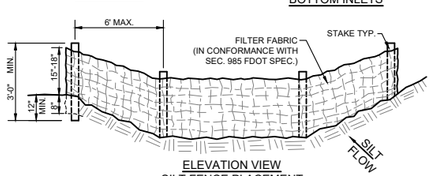
1. DOUBLE-ROW SILT FENCING TO BE REMOVED ONCE SURROUNDING SIDE SLOPES HAVE BEEN STABILIZED.
2. DOUBLE-ROW SILT FENCING TO BE IN ACCORDANCE WITH FLORIDA EROSION AND SEDIMENT CONTROL INSPECTORS MANUAL. THE SECOND ROW SHOULD BE LOCATED LANDWARD OF THE LIMITS OF CONSERVATION EASEMENT BOUNDARY WITH A 3' MINIMUM SPACE BETWEEN THE FIRST AND SECOND ROW

CONTRACTOR TO SUPPLY
"SIDEWALK CLOSED"
SIGNAGE AS REQUIRED



CONSTRUCTION OF A SILT FENCE

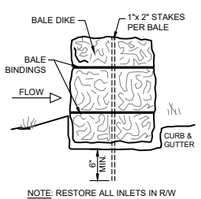
SILT FENCE PROTECTION AROUND DITCH BOTTOM INLETS



ELEVATION VIEW
SILT FENCE PLACEMENT

SILT FENCE DETAILS

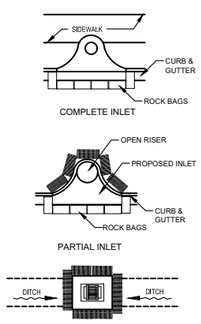
N.T.S.



NOTE: RESTORE ALL INLETS IN R/W WITH SOD ON ALL SIDES (10' TYP.)

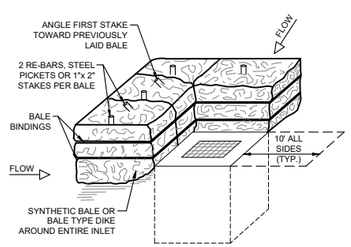
BEDDING DETAIL

N.T.S.



EROSION CONTROL

N.T.S.



ANCHORING DETAIL
SYNTHETIC BALE PLACEMENT

N.T.S.

LEGEND

- STAKED SILT FENCE
- TURBIDITY BARRIER
- STAKED SYNTHETIC HAY BALE OR STAKED SILT FENCE @ INLETS

VERTICAL ELEVATIONS BASED ON: NAVD 88

KEVIN C. CONOR
LICENSE
No. 101582
STATE OF FLORIDA
PROFESSIONAL ENGINEER

KEVIN C. CONOR, P.E.
LICENSE# 101582

FULL SCALE = 40
HALF SCALE = 80

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DATE	BY	REVISION DESCRIPTION
5/21/26	KCC	INITIAL DO SUBMITTAL

AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD. S #200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

NORTH LEHIGH
LCEC SUBSTATION
1002-1008 NORTH AVE., 1201-1205 E. 10TH ST.
1003 THOMPSON AVE., LEHIGH ACRE,
FLORIDA 33972

EROSION CONTROL PLAN

#25-135/CONST.

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P:\CAD\2025\25-135\CONSTRUCTION\PLOT\25-135-06 - SITE-PLN.dwg, 06 SITE PLAN, 5/21/2026 2:42:58 PM, 2025 Avalon Engineering Inc.
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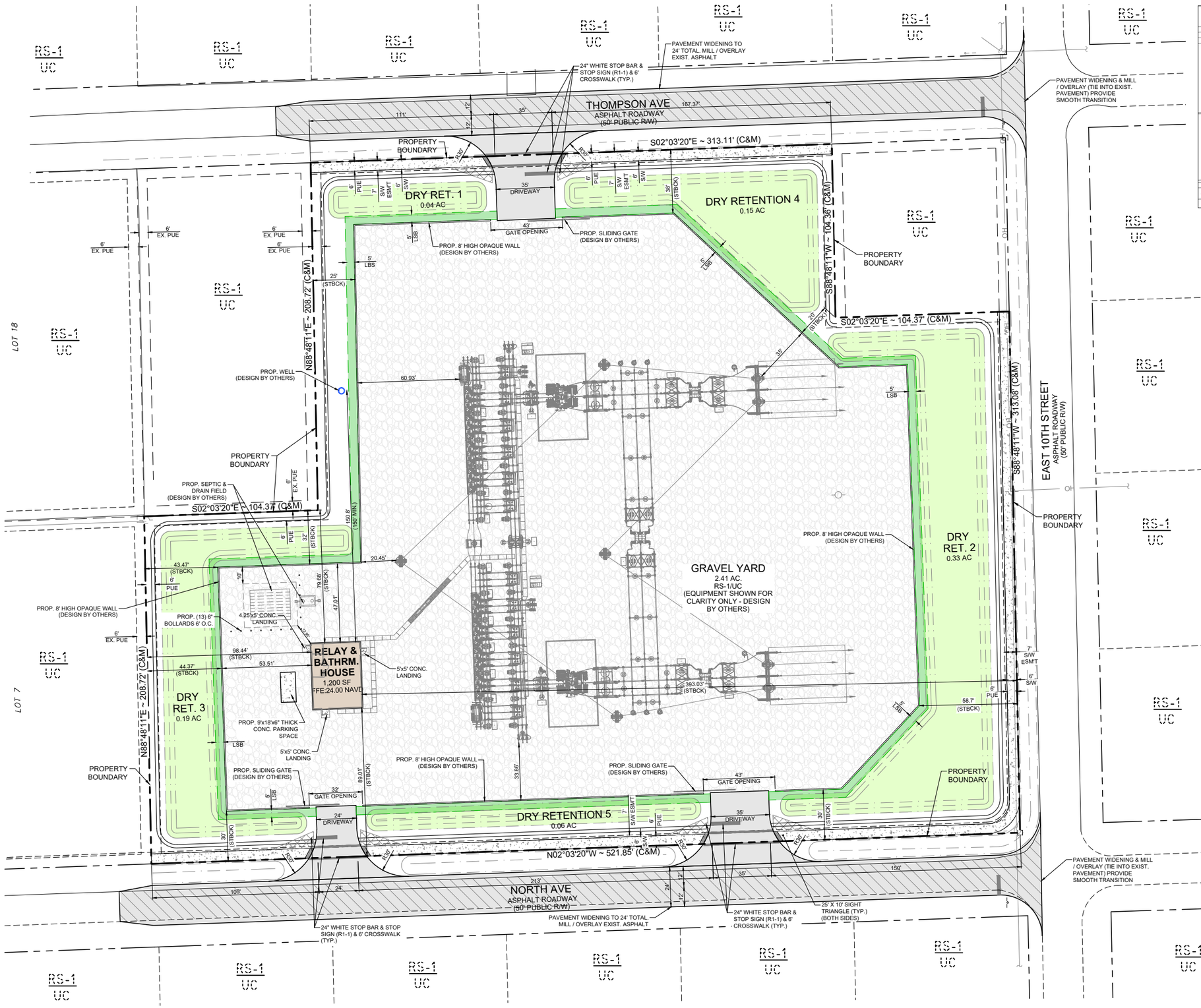

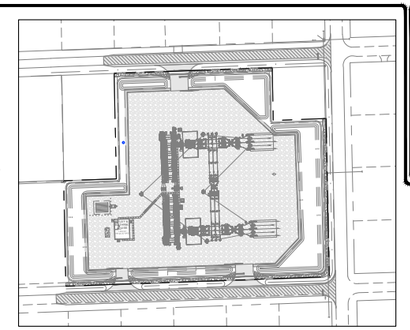

HEAVY DUTY PAVEMENT SECTION (ON-SITE: 3,337 SF)

R.O.W. MILL & OVERLAY (18,686 SF) (SEE TYPICAL PAVEMENT SECTIONS)

LEE COUNTY R/W PAVEMENT SECTION: (8,023 SF)

GRAVEL PAVEMENT SECTION (116,369 SF)

PAVEMENT KEY MAP

N.T.S.

TOTAL SITE AREA BREAKDOWN

TOTAL SITE AREA:	**4.25 AC**	**(100%)**
TOTAL IMPERVIOUS AREA:	**2.92 AC**	**(68.7%)**
BUILDING AREA: 1,200 SF	0.03 AC	(0.7%)
PAVEMENT/GRAVEL/CONCRETE AREA:	2.89 AC	(68.0%)
TOTAL OPEN SPACE AREA:	**1.33 AC**	**(31.3%)**
GREEN SPACE AREA:	0.56 AC	(13.2%)
RETENTION AREA:	0.77 AC	(18.1%)
ADDITIONAL IMPERV. R/W AREA:	**0.18 AC**	

BUILDING SETBACKS				
BUILDING	SIDE (NORTH)	REAR (EAST)	SIDE (SOUTH)	FRONT (WEST)
BUILDING	98.44'	79.68'	393.03'	89.01'

OPEN SPACE PARAMETERS:

SITE AREA: SF 4.25 AC. (100%)

OPEN SPACE
REQUIRED MIN. OPEN SPACE: 0.85 AC. (20%)
PROVIDED OPEN SPACE: 1.33 AC. (31.3%)

MILL & OVERLAY NOTE:

AN AVERAGE DEPTH OF CUT FOR MILLING AND RESURFACING THE COUNTY ROW IS ONE INCH (1"). HOWEVER, DEPENDING UPON THE CONDITIONS OF THE ROADWAY, A GREATER CUT DEPTH MAY BE REQUIRED AT PERMITTEE'S SOLE EXPENSE.

GATE NOTE:

*ELECTRONIC GATES SHALL BE PROVIDED WITH AN EVAC SYSTEM FOR FIRE DEPARTMENT ACCESS (18.2.2.2-5)

LIGHTING NOTE:

THIS PROJECT IS FOR AN UNMANNED LCEC ELECTRICAL SUBSTATION. AS SUCH, NO SITE LIGHTING WILL BE INSTALLED AND A PHOTOMETRIC STUDY IS NOT REQUIRED.

STRIPING NOTES:

1. ALL PAVEMENT MARKING AND STRIPING WITHIN SITE SHALL BE IN ACCORDANCE WITH M.U.T.C.D.
2. ALL STRIPING AND PAVEMENT MARKINGS SHALL BE TWO (2) COATS OF TRAFFIC REFLECTIVE PAINT (F.D.O.T. SECT. #710) FOR ADDITIONAL INFORMATION SEE PARKING
3. FOR CONCRETE SURFACE OPTIONAL SHERWIN WILLIAMS SETFAST CHLORINATED RUBBER ZONE MARKING PAINT (SPEC. TM5127 LEAD-FREE YELLOW),. FOR ADDITIONAL INFORMATION SEE PARKING SPACE STRIPING COLOR DETAIL ABOVE.
4. ALL MARKING WITHIN A PUBLIC R/W SHALL BE IN THERMOPLASTIC, UNLESS OTHERWISE NOTED.

VERTICAL ELEVATIONS BASED ON: NAVD 88

KEVIN C. CONOR
LICENSE
No. 101582
STATE OF FLORIDA
PROFESSIONAL ENGINEER
KEVIN C. CONOR, P.E.
LICENSE# 101582

FULL SCALE = 30
HALF SCALE = 60

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DATE	BY	REVISION DESCRIPTION
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AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD. S #200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

NORTH LEHIGH
LCEC SUBSTATION
1002-1008 NORTH AVE, 1201-1205 E 10TH ST, 1003 THOMPSON AVE, 1.57 HIGH ACRE, FT. CORONA 33972

SITE DIMENSION AND STRIPING PLAN

#25-135/CONST.

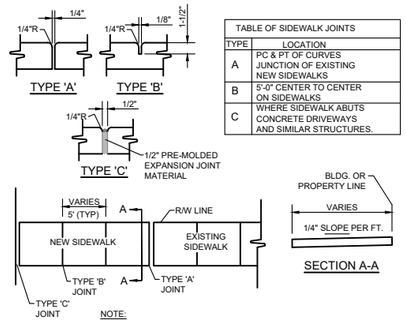
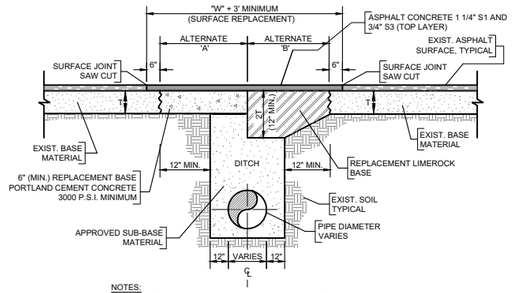


TABLE OF SIDEWALK JOINTS	
TYPE	LOCATION
A	PC & PT OF CURVES JUNCTION OF EXISTING NEW SIDEWALKS
B	5'-0" CENTER TO CENTER ON SIDEWALKS
C	WHERE SIDEWALK ABUTS CONCRETE DRIVEWAYS AND SIMILAR STRUCTURES.

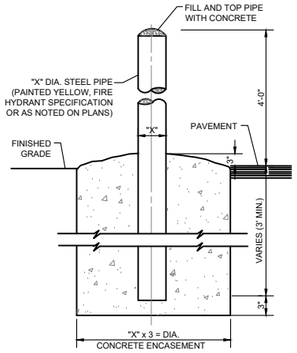
NOTE:
3,000 PSI MIN. CONCRETE (MIN. 4" THICK) FOUNDATION SHALL BE FREE OF SOD AND OTHER ORGANIC MATERIAL. SAW CUT JOINTS SHALL BE ON 5' CENTER.

SIDEWALK JOINTS DETAIL
N.T.S.

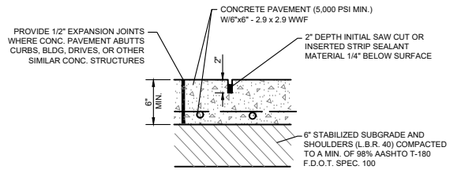


NOTES:
1. LIMEROCK MATERIAL (MIN. LBR 100) SHALL BE COMPACTED TO 98% DENSITY, AASHTO T-180.
2. APPROVED SUB-BASE MATERIAL (MIN. LBR 40) SHALL BE COMPACTED IN 6" LAYERS MAXIMUM, TO 98% DENSITY, AASHTO T-180.
3. ASPHALT CONCRETE PAVEMENT JOINT SHALL BE MECHANICALLY SAWED.
4. 'W' IS WIDTH OF DITCH AT ITS WIDEST POINT.

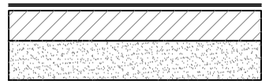
PAVEMENT REPAIR DETAIL
N.T.S.



BOLLARD POST DETAIL
ST-BOLLARD-1.dwg (2005)
N.T.S.



TYPICAL CONCRETE PAVEMENT
N.T.S.



HEAVY DUTY (HD) PAVEMENT SECTION WITHIN CITY R/W & (ON-SITE WHERE SHOWN)

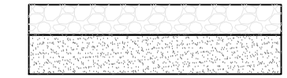
(2.5") 1.5" ASPHALTIC CONC (SP-12.5) BASE AND & 1" (SP-9.5) TOP WEARING SURFACE FDOT SPEC 334, OVER TACK COAT FOR CITY RIGHT OF WAY

PRIME COAT,GRADE RC-70 OR RC-250,SHALL BE APPLIED AT A RATE OF 0.10 GAL. SQ. YD. F.D.O.T. SPEC. 300

8" LIMEROCK BASE COURSE COMPACTED TO A MIN DENSITY OF 98% AASHTO T-180 F.D.O.T. SPEC 200 (LBR 100)

12" STABILIZED SUBGRADE AND SHOULDERS (L.B.R.40) COMPACTED TO A MIN. OF 98% AASHTO T-180 F.D.O.T. SPEC. 100

TYPICAL ON-SITE AND R/W H.D. PAVEMENT SECTION
N.T.S.

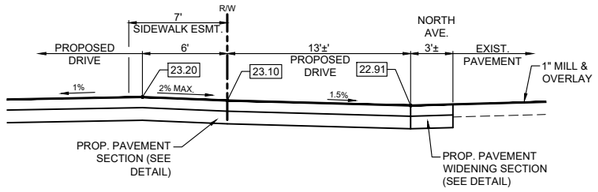


GRAVEL YARD SECTION (ON-SITE WHERE SHOWN)

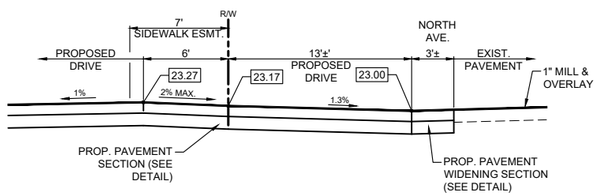
(12") OF 3/4" GRAVEL

12" STABILIZED SUBGRADE AND SHOULDERS (L.B.R.40) COMPACTED TO A MIN. OF 98% AASHTO T-180 F.D.O.T. SPEC. 100

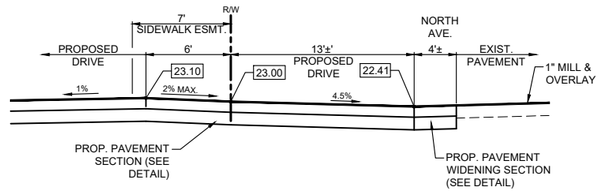
TYPICAL GRAVEL YARD SECTION
N.T.S.



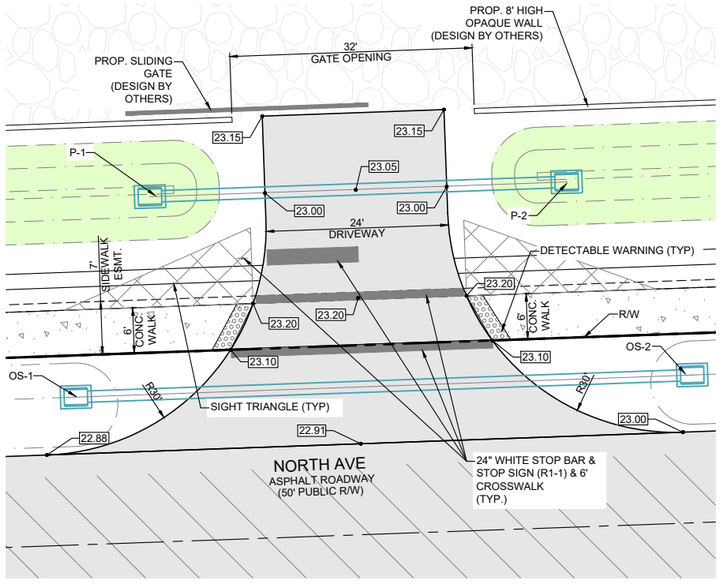
DRIVEWAY SECTION
N.T.S.



DRIVEWAY SECTION
N.T.S.

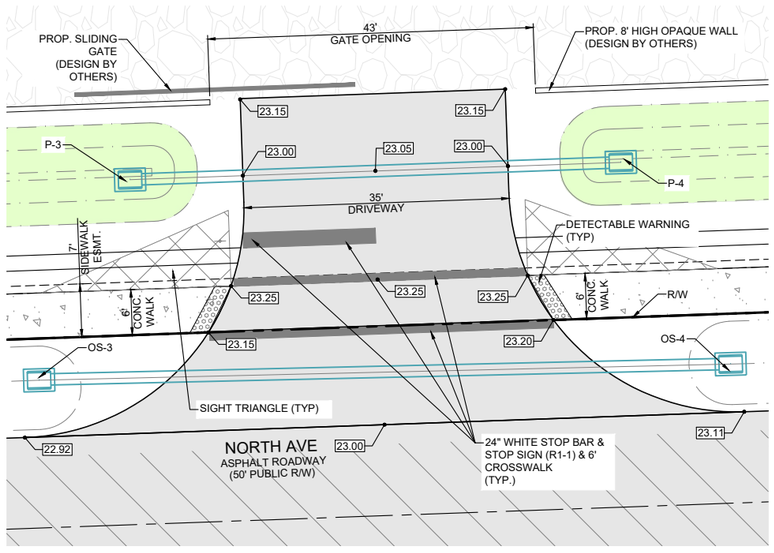


DRIVEWAY SECTION
N.T.S.



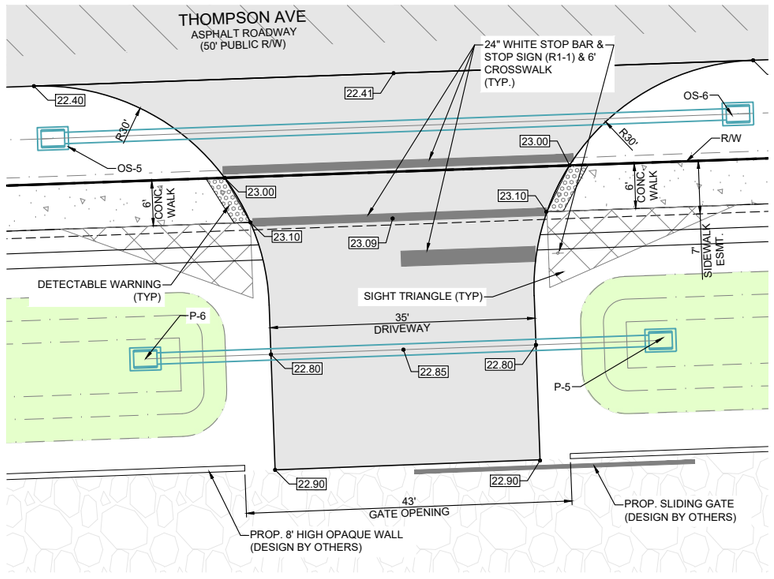
PLAN VIEW

NORTH DRIVEWAY DETAIL
(NORTH AVENUE)



PLAN VIEW

SOUTH DRIVEWAY DETAIL
(NORTH AVENUE)



PLAN VIEW

DRIVEWAY DETAIL
(THOMPSON AVENUE)

NOTES:
1. ALL MATERIALS AND WORKMANSHIP UNDER THIS PROJECT SHALL BE IN STRICT ACCORDANCE WITH THE CURRENT CONSTRUCTION STANDARDS AND SPECIFICATIONS OF LEE COUNTY DEVELOPMENT STANDARDS AND FLORIDA DEPARTMENT OF (FDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE TRANSPORTATION CONSTRUCTION UNLESS OTHERWISE NOTED.
2. A STOP BAR AND STOP SIGN ARE REQUIRED AT THE EXIT SIDE OF THE DRIVEWAY. SIGNS TO BE INSTALLED PER MUTCD.
3. SIDEWALK DESIGN TO MEET ADA REQUIREMENTS.
4. REFER TO FDOT INDEX #522-002 FOR DETECTABLE WARNING MATERIAL REQUIREMENTS.

FULL SCALE = 10
HALF SCALE = 20

LEGEND

XX.XX	PROP. ELEV. (HARD SURFACE)
XX.X	PROP. ELEV. (GROUND)

VERTICAL ELEVATIONS BASED ON: NAVD 88

KEVIN C. CONOR LICENSE No. 101582 STATE OF FLORIDA PROFESSIONAL ENGINEER

KEVIN C. CONOR, P.E.
LICENSE# 101582

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AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD. S #200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

NORTH LEHIGH
LCEC SUBSTATION
1002-1008 NORTH AVE. 1201-1205 E 10TH ST.
1003 THOMPSON AVE. LEHIGH ACRE,
FLORIDA 33972

TYPICAL PAVING DETAILS

#25-135/CONST.

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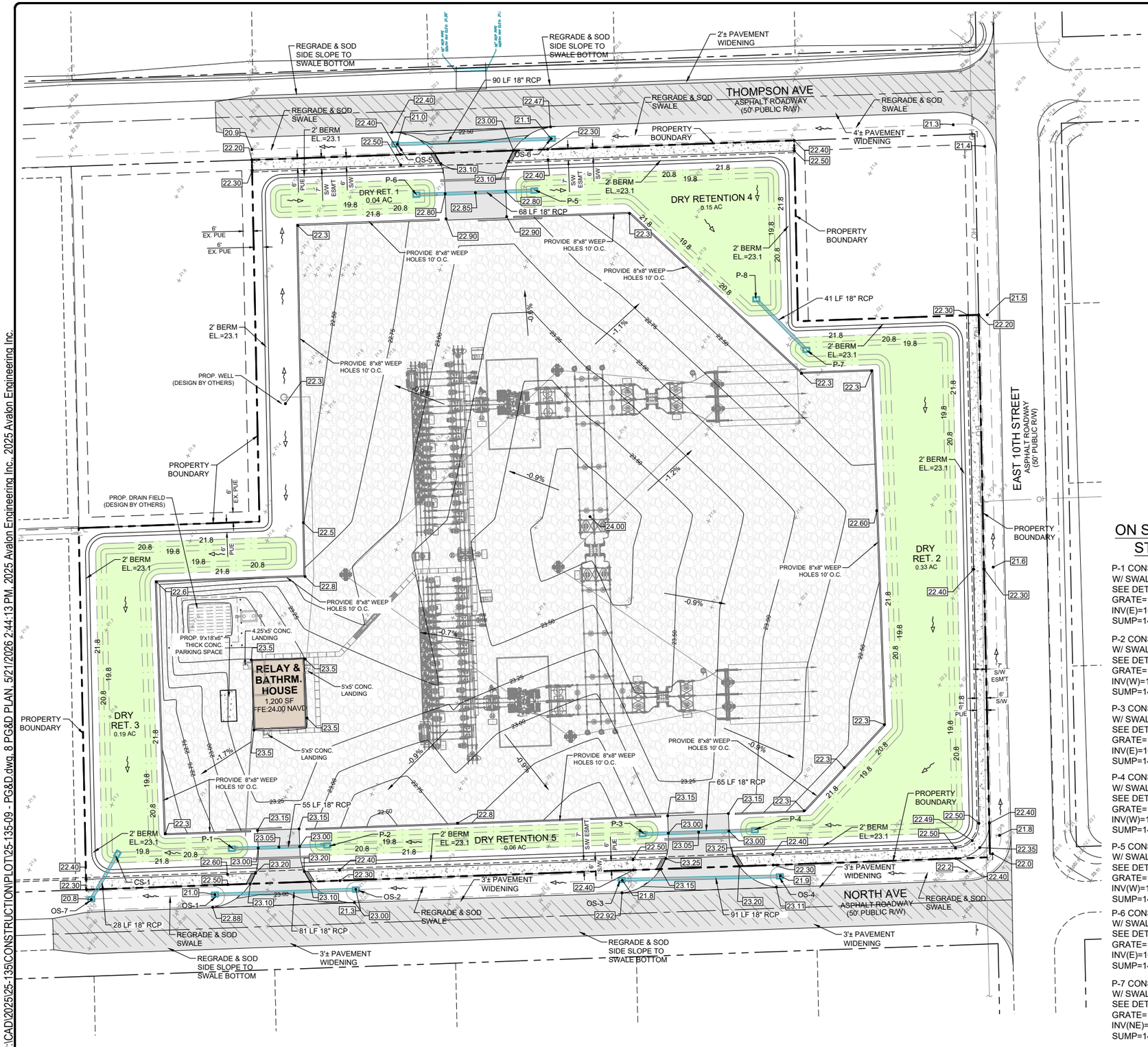

SWMS DESIGN CONDITIONS SUMMARY

Nutrient Removal	
Wet Season Water Table Elevation (ft)	**18.80**
Control Elevation (ft)	**18.80**
Retention Volume Required (ac-ft)	**0.558**
Retention Volume Provided (ac-ft)	**0.558**
10 Year - 1 Day Storm Event	
Rainfall Amount (in)	**6.79**
Peak Stage/Min. Pavement (ft)	**22.30**
Minimum Proposed Pavement Elevation (ft)	**22.30**
25 Year - 3 Day Storm Event	
Rainfall Amount (in)	**10.60**
*Allowable Discharge (cfs)	**0.43**
Design Discharge (cfs)	**0.34**
Peak Stage/Min. Berm Elevation (ft)	**23.07**
Minimum Proposed Berm Elevation (ft)	**23.10**
500 Year - 3 Day Storm Event	
Rainfall Amount (in)	**18.40**
FEMA Base Flood Elevation (ft)	**X**
FEMA Governed Minimum Building FFE (ft)	**X**
Peak Stage/Minimum Building FFE (ft)	**23.73**
Proposed Building FFE (ft)	**24.00**

Notes:
1) *Maximum Allowable Discharge 0.1 CFS/AC.
2) Site Located in FEMA Floodzones 'X'.
3) All Elevations in this design are in NAVD 88.
4) To Convert from NAVD to NGVD, +1.18'.

LEGEND

- EXIST. STORM DRAIN & INLET
- PROP. STORM DRAIN & INLET
- PROP. YARD DRAIN
- PROP. ROOF DRAIN HEADER
- P-25 — STRUCTURE I.D. * (* SEE STRUCTURE TABLE ON SHT. 12)
- 4.50 — EXISTING ELEVATION
- XX.XX — PROPOSED CITY DESIGN ELEVATION **
- XX.XX — PROPOSED ELEVATION (HARD SURFACE)
- XX.X — PROPOSED ELEVATION (GROUND)
- DRAINAGE FLOW ARROW

ON SITE DRAINAGE STRUCTURES

P-1 CONST. INLET TYPE 'C'
W/ SWALE GRATE
SEE DETAIL
GRATE=19.80
INV(E)=16.30 (18" RCP)
SUMP=14.30

P-2 CONST. INLET TYPE 'C'
W/ SWALE GRATE
SEE DETAIL
GRATE=19.80
INV(W)=16.50 (18" RCP)
SUMP=14.50

P-3 CONST. INLET TYPE 'C'
W/ SWALE GRATE
SEE DETAIL
GRATE=19.80
INV(E)=16.30 (18" RCP)
SUMP=14.30

P-4 CONST. INLET TYPE 'C'
W/ SWALE GRATE
SEE DETAIL
GRATE=19.80
INV(W)=16.50 (18" RCP)
SUMP=14.50

P-5 CONST. INLET TYPE 'C'
W/ SWALE GRATE
SEE DETAIL
GRATE=19.80
INV(W)=16.30 (18" RCP)
SUMP=14.30

P-6 CONST. INLET TYPE 'C'
W/ SWALE GRATE
SEE DETAIL
GRATE=19.80
INV(E)=16.50 (18" RCP)
SUMP=14.50

P-7 CONST. INLET TYPE 'C'
W/ SWALE GRATE
SEE DETAIL
GRATE=19.80
INV(NE)=16.30 (18" RCP)
SUMP=14.30

P-8 CONST. INLET TYPE 'C'
W/ SWALE GRATE
SEE DETAIL
GRATE=19.80
INV(E)=16.50 (18" RCP)
SUMP=14.50

CS-1 CONST. INLET TYPE 'C'
W/ SWALE GRATE
SEE DETAIL
GRATE=23.07
3" BLEED DOWN=20.70
INV(SW)=16.50 (18" RCP)
SUMP=14.50

OFF SITE DRAINAGE STRUCTURES

OS-1 CONST. INLET TYPE 'C'
W/ SWALE GRATE
SEE DETAIL
GRATE=21.00
INV(E)=17.60 (18" RCP)
SUMP=15.60

OS-2 CONST. INLET TYPE 'C'
W/ SWALE GRATE
SEE DETAIL
GRATE=21.30
INV(W)=17.80 (18" RCP)
SUMP=15.80

OS-3 CONST. INLET TYPE 'C'
W/ SWALE GRATE
SEE DETAIL
GRATE=21.80
INV(E)=17.80 (18" RCP)
SUMP=15.80

OS-4 CONST. INLET TYPE 'C'
W/ SWALE GRATE
SEE DETAIL
GRATE=21.90
INV(W)=18.00 (18" RCP)
SUMP=16.00

OS-5 CONST. INLET TYPE 'C'
W/ SWALE GRATE
SEE DETAIL
GRATE=21.00
INV(W)=17.10 (18" RCP)
SUMP=15.10

OS-6 CONST. INLET TYPE 'C'
W/ SWALE GRATE
SEE DETAIL
GRATE=21.00
INV(E)=16.90 (18" RCP)
SUMP=14.90

OS-7 CONST. INLET TYPE 'C'
W/ SWALE GRATE
SEE DETAIL
GRATE=20.80
INV(NE)=16.30 (18" RCP)
SUMP=14.30

VERTICAL ELEVATIONS BASED ON: NAVD 88

KEVIN C. CONOR
LICENSE
No. 101582
STATE OF FLORIDA
PROFESSIONAL ENGINEER

KEVIN C. CONOR, P.E.
LICENSE# 101582

0 15 30
FULL SCALE = 30
HALF SCALE = 60

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2503 DEL PRADO BLVD. S #200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

NORTH LEHIGH
LCEC SUBSTATION
1002-1008 NORTH AVE, 1201-1205 E 10TH ST.
1003 THOMPSON AVE, LEHIGH ACRE,
FLORIDA 33972

PAVING, GRADING AND DRAINAGE PLAN

#25-135/CONST.

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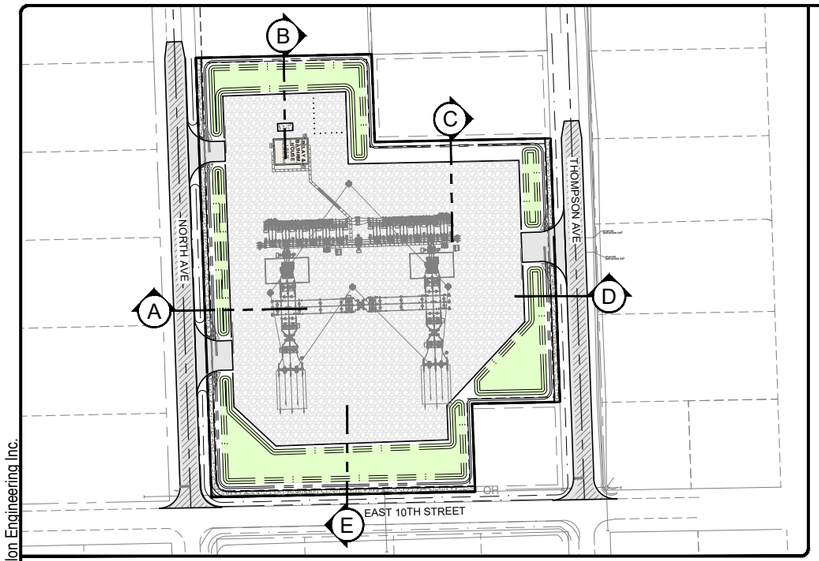

CROSS SECTION MAP
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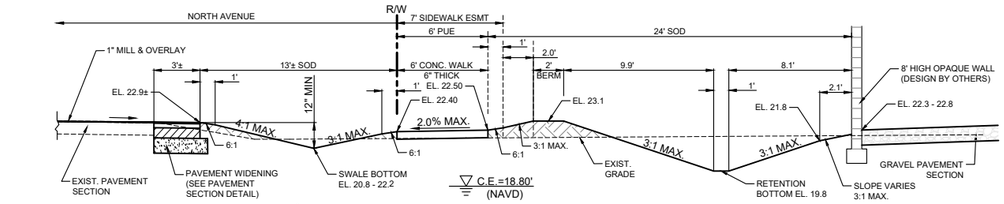

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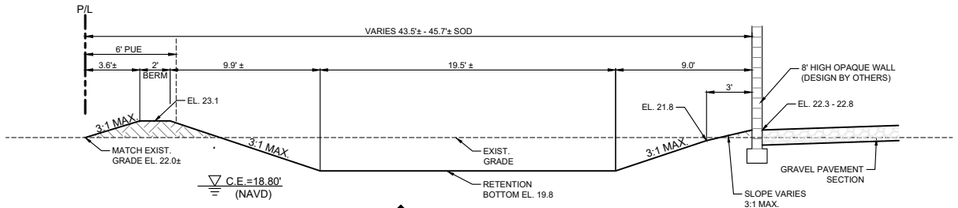
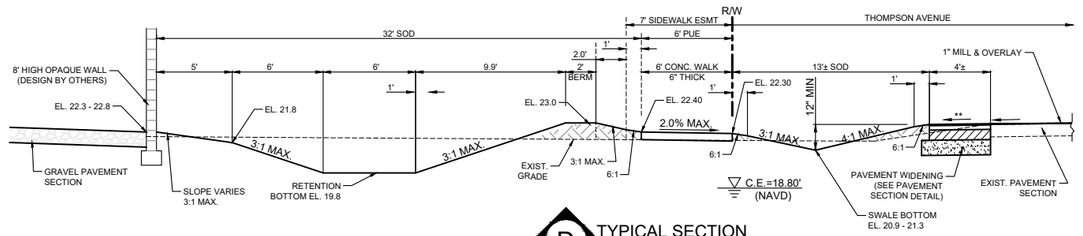


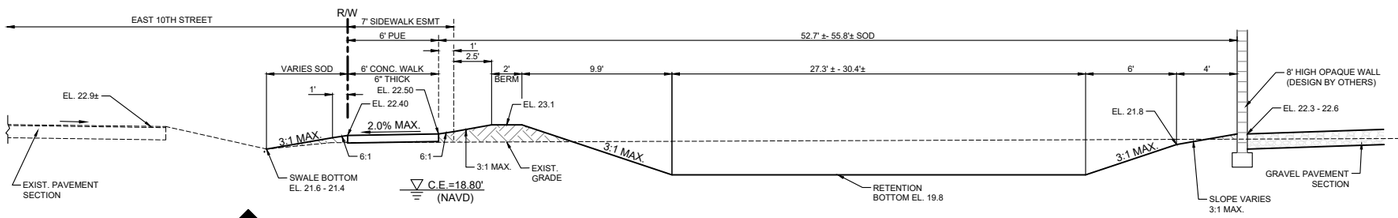
B TYPICAL SECTION
(NTS)

C TYPICAL SECTION
(NTS)



D TYPICAL SECTION
(NTS)

** MATCH EXISTING PAVEMENT CROSS SLOPE



E TYPICAL SECTION
(NTS)

VERTICAL ELEVATIONS BASED ON: NAVD 88

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KEVIN C. CONOR, P.E.
LICENSE# 101582

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(239) 573-2077
FBPE#3128

NORTH LEHIGH
LCEC SUBSTATION
1002-1008 NORTH AVE, 1201-1205 E 10TH ST.
1003 THOMPSON AVE, FT. MYERS
FT. MYERS, FLORIDA 33972

TYPICAL SECTIONS

#25-135/CONST.

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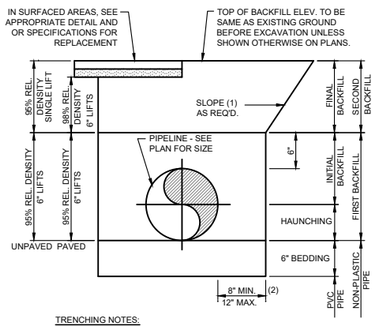
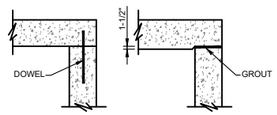


TRENCHING NOTES:

1. SLOPE OR BRACE TRENCH WALLS AS REQ'D WHERE SAFE SLOPES WOULD INTERFERE WITH EXISTING UTILITIES OR IMPROVEMENTS OR EXTEND BEYOND THE EASEMENT OR R/W LINE.
2. MINIMUM CLEARANCE MAY BE REDUCED UPON REVIEW OF ALTERNATE TRENCHING METHODS.

STORM DRAIN TRENCH

N.T.S.

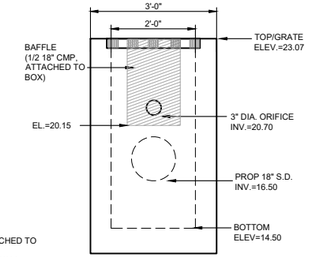


1. JOINT DOWELS ARE TO BE #4 BARS, 12" LONG WITH A MINIMUM OF 2 BARS PER SIDE AT APPROX. QUARTER POINTS FOR RECTANGULAR STRUCTURES.

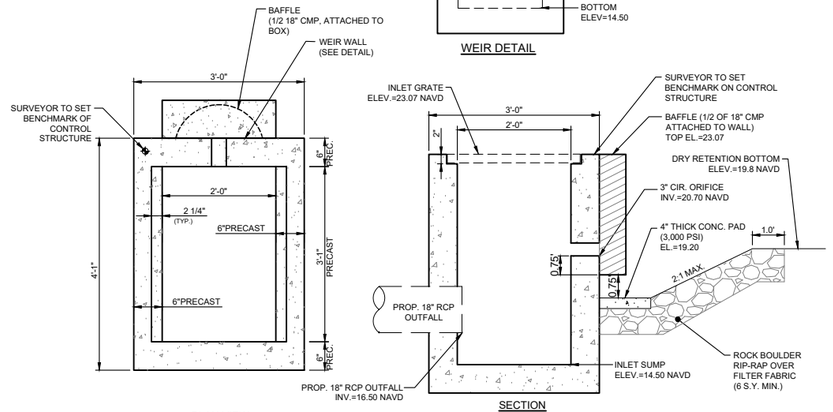
2. MINIMUM COVER ON REINFORCING BARS IS 1-1/2".

DOWEL DETAIL

N.T.S.



WEIR DETAIL

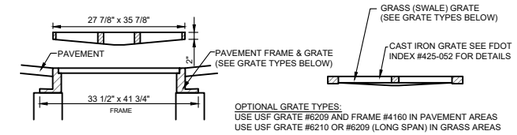


PLAN VIEW

SECTION

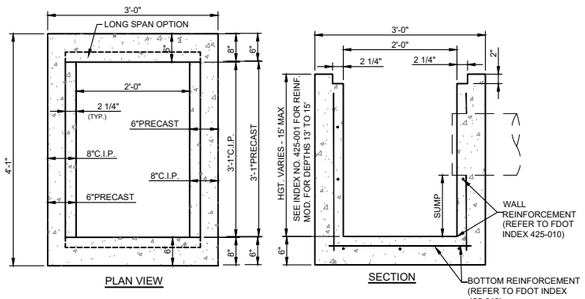
PROPOSED CONTROL STRUCTURE CS-1
(MOD. TYPE 'C' INLET)

N.T.S.



OPTIONAL GRATE TYPES:
USE USF GRATE #6209 AND FRAME #4160 IN PAVEMENT AREAS
USE USF GRATE #6210 OR #6209 (LONG SPAN) IN GRASS AREAS

FRAME & GRATE DETAIL



PLAN VIEW

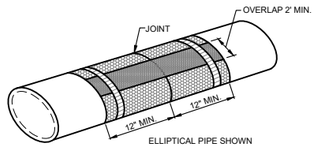
SECTION

RECOMMENDED MAXIMUM PIPE SIZES:
2'-0" WALL-18" PIPE
3'-1" WALL-24" PIPE

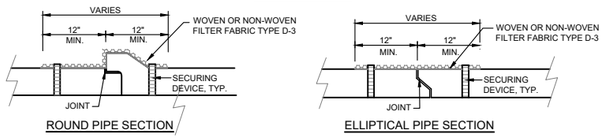
INLET NOTES:
1. REFER TO FDOT STANDARD INDEX NO. 425-010, 425-001, AND 425-052 FOR ADDITIONAL AND SUPPLEMENTARY DETAILS.
2. STRUCTURES MAY BE CAST IN PLACE OR PRE CAST WITH CLASS 1 (MIN 3000 PSI) CONCRETE PER FDOT SECTION 425. CONCRETE AS SPECIFIED BY ASTM C-478 (MIN 4000 PSI) MAY BE USED IN PRE CAST ITEMS MANUFACTURED IN PLANTS AS SPECIFIED IN FDOT STANDARD INDEX NO. 425-001.
3. R.C.P. SHALL BE REINFORCED CONCRETE PIPE CONFORMING TO F.D.O.T. SEC. 941.
4. PLACE SOD 4' ON ALL SIDES OF INLET IN GREEN AREAS UNLESS OTHERWISE NOTED.
5. ALL INLET GRATES SHALL BE COVERED WITH FILTER FABRIC DURING CONSTRUCTION.
*AT INLETS INDICATED WITH SUMP, SEE PLANS.

TYPE 'C' INLET

N.T.S.



ISOMETRIC VIEW



ROUND PIPE SECTION

ELLIPTICAL PIPE SECTION

CONCRETE PIPE SHOWN - COST OF FILTER FABTIC JACKET TO BE INCLUDED IN COST OF PIPE CULVERTS. (SEE F.D.O.T. INDEX 430-001)

FILTER FABRIC JACKET

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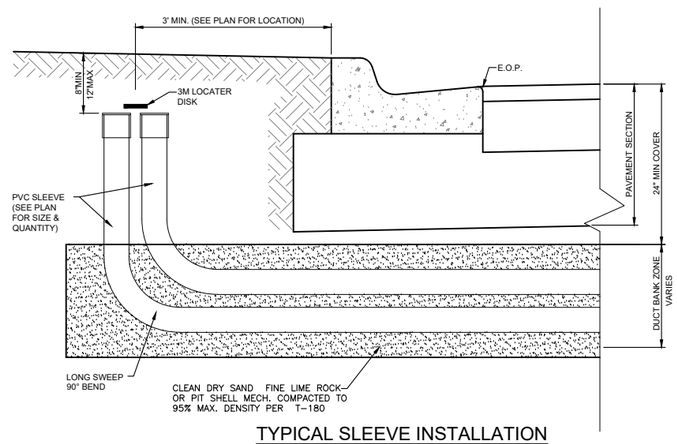

TYPICAL SLEEVE INSTALLATION

DR-SLEEVES-SECTION.dwg (2007)

N.T.S.

VERTICAL ELEVATIONS BASED ON: NAVD 88

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KEVIN C. CONOR, P.E.
LICENSE# 101582

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AVALON ENGINEERING, INC.
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CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

NORTH LEHIGH
LCEC SUBSTATION
1002-1008 NORTH AVE., 1201-1205 E 10TH ST.
1003 THOMPSON AVE.
LEHIGH ACRE, FLORIDA 33972

TYPICAL INLETS AND DRAINAGE DETAILS

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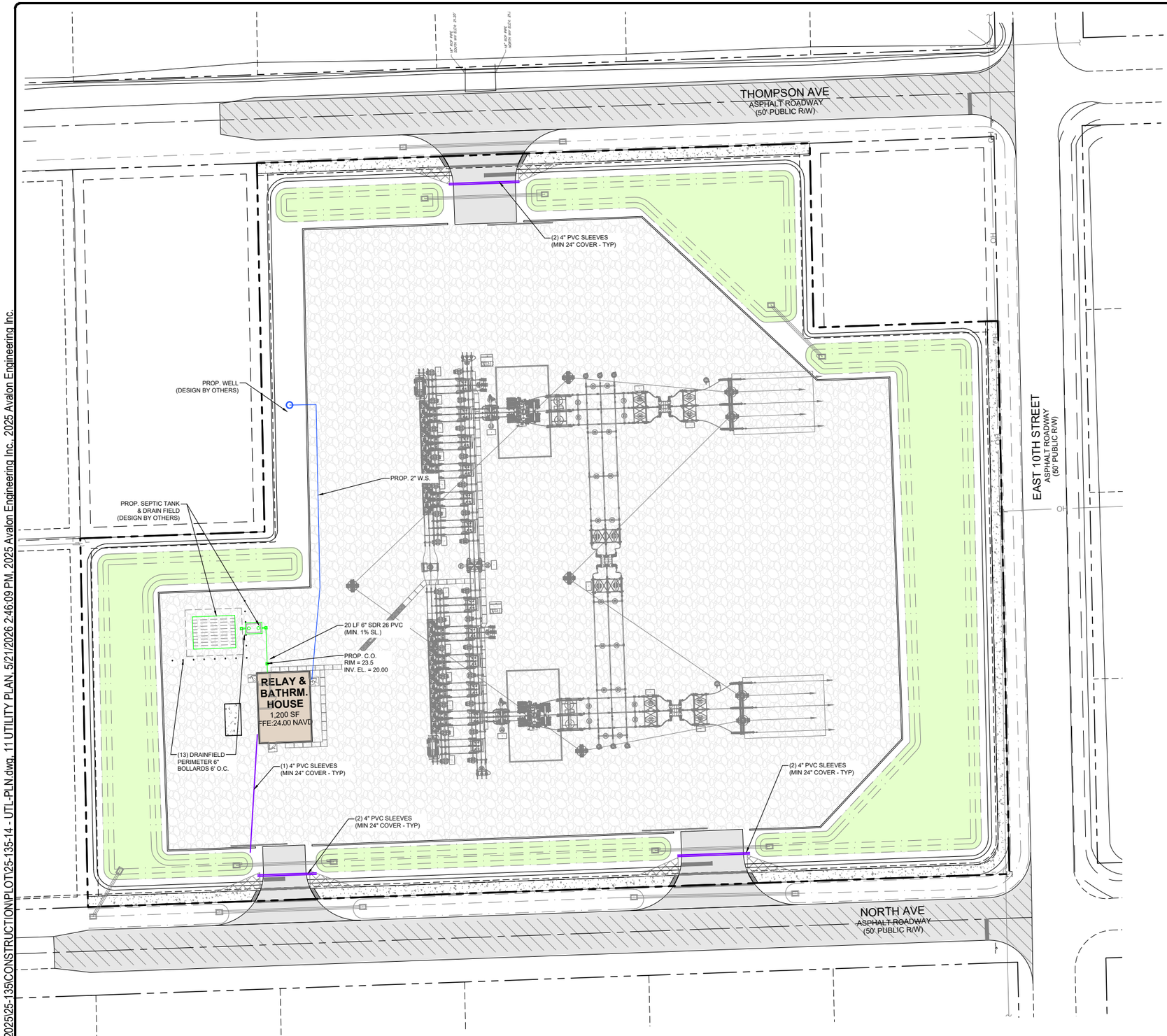
P:\CAD\2025\25-135\CONSTRUCTION\PLOT\25-135-14 - UTL-PLN.dwg, 11 UTILITY PLAN, 5/21/2026 2:46:09 PM, 2025 Avalon Engineering Inc.
© 2025 Avalon Engineering Inc.



LEGEND

- PROP. WELL MAIN & WATER SERVICE (DESIGN BY OTHERS)
- SANITARY SEWER LATERAL W/ CLEANOUT
- (2) 4" PVC SLEEVES AT 24" MIN. COVER

0 15 30
FULL SCALE = 30
HALF SCALE = 60

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LCEC SUBSTATION
1002-1008 NORTH AVE, 1201-1205 E 10TH ST.
1003 THOMPSON AVE, LEHIGH ACRE.
FLORIDA 33972

UTILITY PLAN

#25-135/CONST.

11 OF 11

VERTICAL ELEVATIONS BASED ON: NAVD 88

Stormwater Report

FOR

NORTH LEHIGH LCEC SUBSTATION

REV00

Avalon Project No. 25-135

Prepared by:

Avalon Engineering
Established in 1980

2503 Del Prado Boulevard, Suite 200
Cape Coral, FL 33904
Phone: (239) 573-2077
Fax: (239) 573-2076

Prepared for:

Lee County Electric Cooperative INC
PO Box 3455
North Fort Myers, FL 33918

Engineer of Record:

KEVIN C. CONOR LICENSE No. 101582 STATE OF FLORIDA PROFESSIONAL ENGINEER

Digitally signed by Kevin C Conor
Date: 2026.05.05 17:11:56-04'00'

Kevin C. Conor, Professional Engineer, State of Florida, License No. 101582. This item has been digitally signed and sealed by Kevin C Conor, P.E. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Kevin C. Conor, P.E
FL. License #101582
FBPE #3128

Table of Contents

- Stormwater Management System Narrative
- Area & Design Conditions Summary
- Water Quality – Nutrient Loading Analysis Calculations
- Stage Storage Calculations
- Curve Numbers and Time of Concentration Calculations
- SFWMD A.H. Vol I Appendix N – ROC Value Table
- SFWMD A.H. Vol I Appendix O – 2" Retention Depth Table
- FEMA Flood Map
- NOAA Rainfall Amounts
- NRCS Soils Data / Map
- FDEP Land Use Map
- LAMSID Canal Map & LAMSID High Water Map
- SFWMD Drainage Basin Map
- West Baker Canal Elevation
- Retention Horizontal Flow Algorithm Recovery Exhibit
- StormWise Flood Routings Inputs and Results:
    - Node Max Report
    - 10 Year - 1 Day
    - 25 Year - 3 day
    - 500 Year - 3 day
    - Recovery Time Series (25 Year - 3 Day)

Stormwater Management System Narrative

Existing Site Conditions/Previous Permitting:

The 4.25-acre project site consists of multiple parcels (Strap #: 22-44-27-L1-07023.0080, 0090,0110,0120,012A,013A,0140) and (Strap #: 22-44-27-99-07023-0100) owned by Lee County Electric CO-OP INC and is located at 1002-1008 North Avenue, 1201-1205 E 10th St, and 1003 Thompson Avenue, Lehigh Acres, Florida, 33972. The nearest major intersection is Joel Blvd and E 10th Street located to the east of the subject property. The parcels (Unit 7, Blk 23,DB 254,PG 60, Lots 8,9,11,14,15,16),(Unit 7, Blk 23, DB 15, PG 32, Lot 10), (Unit 7, Blk 23, PB 15, PG 32, Lot 12 W ½, E ½, 13 W ½,) are currently vacant, wooded, and predominately hydraulicly flat with a minor high point in the middle of the site that sheet flows runoff towards the North Avenue and Thompson Avenue ROWs. The property is zoned RS-1 (Residential)/ UC (Urban Community). The site is bordered by Thompson Avenue and a single-family residence to the east, East 10th Street to the south, a single-family residence and a vacant lot to the north, and North Avenue to the west. There are not any permits associated with the subject site. The proposed project is located within FEMA 'X' Flood Zone.

PROJECT AREA BREAKDOWN

Land Use	Project Total	% of Total
Total Impervious Area	**2.92 ac**	**68.7%**
Building Area	*0.03 ac*	*0.7%*
Pavement/Concrete Area	*2.89 ac*	*68.0%*
Total Open Space Area	**1.33 ac**	**31.3%**
Green Space Area	*0.56 ac*	*13.2%*
Retention Area	*0.77 ac*	*18.1%*
Total Project Site Area	**4.25 ac**	***100%***

Control Elevation Considerations:

The subject project's control elevation has been determined to be **18.80' NAVD.** This correlates to the **18.80' NAVD (20.0 NGVD)** control elevation established by the surface water management system for the existing residential development known as Meadowbrook Park located just southeast of the proposed project site. The East County Water Control District was the permitee for the stormwater management system for the Meadowbrook Park development. Meadowbrook Park was permitted with the SFWMD under permit **# 36-00142-S,** application **# 000113-6.** The engineering decision was made to closely inherit the control elevation of the neighboring stormwater systems to preserve the ground water table of the immediate area as well as the functionality of the adjacent stormwater systems.

Tailwater Considerations:

The project's stormwater discharge flows off-site through the site's proposed control structure, CS-1, and into an existing drainage swale system located in the North Avenue ROW. This swale has an average top-of-bank elevation of **22.50' NAVD.** The site's discharge will be conveyed northward via the North Avenue swale drainage system, eventually reaching Lehigh Acres West Baker Canal to the north of the project. The West Baker Canal has an elevation of 22.0 MSL. The project's tailwater was conservatively modeled with the simulation starting at the control elevation of **18.80' NAVD**. Then the storm event raises that tailwater to the top-of-bank elevation of **22.50' NAVD** at hour 24. The water elevation begins to recede with the tailwater elevation at hour 72 at **21.50' NAVD** and finally returns to the control elevation of **18.80' NAVD** at hour 180. Refer to StormWise simulation inputs included in this report for more information.

Storm Water Management System Design:

The 4.25-acre project site has been modeled with one basin labeled as Basin A. The project will utilize an on-site retention system to provide the required stormwater attenuation and water quality treatment in accordance with District criteria. This project also provides nutrient removal for the 0.18 acers of the offsite right-of-way improvements proposed in this project. From the retention system, the stormwater flows through a control structure labeled CS-1 and into the existing Lehigh Acres swale drainage system as previously described. The proposed control structure utilizes a 3" diameter circular orifice set at the water quality elevation of **20.70' NAVD.** The control elevation is set at elevation **18.80' NAVD**. Refer to the civil construction plans for more information.

Nutrient Removal (Water Quality Treatment):

Per the current SFWMD Applicant Handbook's Vol I & II, minimum nutrient removal efficiencies are required based on a sites pre vs post loadings or the sites outfall condition. The more restrictive of the two parameters establishes the required removal efficiencies for Nitrogen & Phosphorus.

This offsite and onsite outfall condition is classified as general outfall condition water body by the FDEP which establishes an **80.0%** removal efficiency for phosphorus and a **55.0%** removal efficiency for nitrogen.

The offsite site improvement area's (0.18 Acres of right-of-way improvements) pre vs post required load reduction percentages are 76.5% for phosphorus and 64.2% for nitrogen. Therefore, the off-site improvement area is required a phosphorus removal efficiency of 80.0% and a nitrogen removal efficiency of 64.2%. The offsite improvement area requires impounding a retention depth of **1.75"** to provide **82.8%** removal efficiency for both nitrogen and phosphorus.

The onsite site improvement area's (4.25 acres) pre vs post required load reduction percentages are 79.6% for phosphorus and 51.3% for nitrogen. Therefore, the on-site area is required a phosphorus removal efficiency of 80.0% and a nitrogen removal efficiency of 55.0%. The on-site area requires **1.50"** of retention volume to provide **82.8%** removal efficiency of both nutrients. The stormwater management system must

provide **0.558 ac-ft** of retention volume to provide the necessary treatment for combined offsite and onsite post development areas, and this volume is impounded at elevation **20.70' NAVD**; meeting the requirement. Refer to the Nutrient Loading Analysis section of this report for more information on these calculations.

Stormwater Discharge:

The maximum allowable discharge rate for the project, located in the Hickey Creek watershed is 65 CSM which converts to **0.1 cfs/acre** design criteria for the site watershed basin which equates to a maximum allowable discharge rate of **0.43 cfs**. The maximum simulated discharge rate observed during the 25 Year-3 Day storm event through control structure CS-1 was **0.34 cfs;** meeting the requirement. Refer to the StormWise simulation results included in this report for more information.

Minimum Perimeter Berm Elevation:

The maximum flood stage achieved during the 25 Year-3 Day design storm event is **23.07' NAVD**. Therefore, the overfill grate elevation proposed of CS-1 will be designed to match this maximum stage. The minimum perimeter berm elevation for this project has been designed to **23.10' NAVD**, meeting the minimum requirement. Refer to the StormWise simulation results included in this report for more information.

Minimum Road Crown Elevation:

The maximum flood stage achieved during the 10 Year-1 Day design storm event is **22.30' NAVD**. The proposed site design will provide a minimum pavement elevation of **22.30' NAVD**, meeting this requirement. Refer to the StormWise simulation results included in this report for more information.

Minimum Finished Floor Elevation:

Per FEMA and SFWMD, the finished floor of all proposed habitable structures must be set at either 1 foot above the sites lowest flood zone elevation or equal to or greater than the maximum stage of the 500 Year - 3 Day, zero discharge storm event. Since the site currently exists within a FEMA 'X' Flood Zone, no minimum FEMA flood elevation is applicable. The maximum stage during the 500 Year-3 Day, zero discharge storm event was determined to be **23.73' NAVD**. To satisfy the above stated requirement, the project proposes a minimum finished floor elevation of **24.00' NAVD** for the site's single commercial building. Refer to the StormWise simulation results included in this report for more information.

Curve Number & Time of Concentration Calculation:

The design for Basin A utilizes the NRCS Urban Hydrology for Small Watersheds (TR-55) to determine the time of concentration. The time of concentration utilized in modeling Basin A was calculated to be **32.10 minutes**. This value exceeds the minimum time of concentration of **10 minutes.** This calculation is detailed in the water management calculations and Storm Wise modeling report.

The predevelopment and post-development curve numbers were found using the (TR-55) curve number tables. The predevelopment curve number was determined to be **84**, based on the predevelopment condition of open space, fair condition, type D soil group. The post-development composite curve number was determined by factoring the percentages of impervious and pervious areas and their associated curve numbers. The impervious areas amounted to **2.92-acres** and were assigned a curve number of 91 (gravel type d soil group) while **1.33-acres** of pervious open space were given the CN number of 84, consistent with the NRCS TR-55 curve number tables provided in the calculations. The composite post-development curve number equals **89.** Refer to the curve number, time of concentration calculations, and StormWise simulation results included in this report for more information.

Surface Water Management Recovery:

The SFWMD requires all retention systems to substantially recover (within 0.2') its retained volume (bottom of retention area – elevation **19.80' NAVD**) within **72 hours**. To model this, a recovery simulation (draw down) was conducted in Storm Wise using a percolation link for each retention area. The Vertical Flow method used for this analysis was the Horizontal Flow Algorithm which allows for the accounting of groundwater mounding of surrounding areas/ water bodies. The retention areas recover to an elevation of **19.80' NAVD** at **hour 13**, meeting the requirement. See the Storm Wise Recovery Analysis inputs and results and the Horizontal Flow Algorithm exhibit included in this report for more information.

PROJECT AREA BREAKDOWN

Land Use	Project Total	% of Total
Total Impervious Area	**2.92 ac**	**68.7%**
Building Area	*0.03 ac*	*0.7%*
Pavement/Concrete Area	*2.89 ac*	*68.0%*
Total Open Space Area	**1.33 ac**	**31.3%**
Green Space Area	*0.56 ac*	*13.2%*
Retention Area	*0.77 ac*	*18.1%*
Total Project Site Area	**4.25 ac**	***100%***

SWMS DESIGN CONDITIONS SUMMARY

Nutrient Removal	
Wet Season Water Table Elevation (ft)	18.80
Control Elevation (ft)	18.80
Retention Volume Required (ac-ft)	0.558
Retention Volume Provided (ac-ft)	0.558
10 Year - 1 Day Storm Event	
Rainfall Amount (in)	6.79
Peak Stage/Min. Pavement (ft)	22.30
Minimum Proposed Pavement Elevation (ft)	22.30
25 Year - 3 Day Storm Event	
Rainfall Amount (in)	10.60
*Allowable Discharge (cfs)	0.43
Design Discharge (cfs)	0.34
Peak Stage/Min. Berm Elevation (ft)	23.07
Minimum Proposed Berm Elevation (ft)	23.10
500 Year - 3 Day Storm Event	
Rainfall Amount (in)	18.40
FEMA Base Flood Elevation (ft)	X
FEMA Governed Minimum Building FFE (ft)	X
Peak Stage/Minimum Building FFE (ft)	23.73
Proposed Building FFE (ft)	24.00

Notes:

1) *Maximum Allowable Discharge 65 CSM Hickey Creek = 0.1 CFS/AC.

2) Site Located in FEMA Floodzones 'X'.

3) All Elevations in this design are in NAVD 88.

4) To Convert from NAVD to NGVD, +1.18'.

WATER QUALITY TREATMENT - NUTRIENT LOADING ANALYSIS (OFF-SITE IMPROVEMENTS)

Off-Site Improvement Area	0.18 ac

Area (acres) x Average Annual Rainfall (inches) x ROC Value x (1ft/12in) = Annual Runoff Volume (ac-ft)

Area (acres) =	0.18 ac	(AH V I : Appendix N)
Annual Rainfall (inches) =	52	
ROC Value Pre-Condition =	0.182	
ROC Value Post-Condition =	0.823	
Annual Runoff Volume Pre-Condition (ac-ft) =	0.14	
Annual Runoff Volume Post Condition (ac-ft) =	0.64	

	EMC		
	Landuse	Total N (mg/l)	Total P (mg/l)
Pre-Development	Dry Prairie	2.025	0.184
Post-Development	Highway	1.250	0.173

*Use FDEP Statewide Landuse / Land Cover Map to determine Pre-Development Landuse

Annual Average Mass Loading = Annual Runoff Volume x EMC

	Pre-Dev.	Post-Dev.
Annual Nitrogen Mass Loading (lbs/year) =	0.78	2.18
Annual Phosphorus Mass Loading (lbs/year) =	0.07	0.30

Calculated Pre vs Post	
Required Load Reduction (Net Improv.)	%
Nitrogen	64.2%
Phosphorus	76.5%

Post Dev Max Load to Meet % Treatment Required = (1 - Load Reduction) x Post Dev Annual Average Loading

Max Nitrogen Load (lbs) =	0.78
Max Phosphorus Load (lbs) =	0.07

	Standard Removal Requirements	
	Nitrogen	Phosphorus
General Outfall Condition	55.0%	80.0%
Impaired Outfall Condition	80.0%	80.0%
OFW Outfall Condition	80.0%	90.0%
OFW + Impaired Outfall Condition	95.0%	95.0%

Governing Treatment Efficiencies	Nitrogen	Phosphorus
Treatment Efficiency	64.2%	80.0%

Note: Determine Target Removal Efficiency (Greater of Calculated vs Standard)

	Removal Eff. %	
BMP Methods	Nitrogen	Phosphorus
Retention	82.8%	82.8%

	Conclusion	
	Nitrogen	Phosphorus
Required Removal Efficiency	64.2%	80.0%
Provided Removal Efficiency	82.8%	82.8%
Requirement Met?	Yes	Yes

TABLE 9.2 EMC VALUES ERP AH VOL. 1		
Land Use Category	Total N (mg/l)	Total P (mg/l)
Low Density Residential	1.65	0.270
Single Family	1.77	0.327
Multi-Family	1.84	0.520
Low Intensity Commerical	0.93	0.190
High Intensity Commercial	2.40	0.345
Light Industrial	1.20	0.260
Highway	1.25	0.173
Dry Prairie	2.025	0.184
Marl Prairie	0.684	0.012
Mesic Flatwoods	1.087	0.043
Ruderal/Upland Pine	1.694	0.162
Scrubby Flatwoods	1.155	0.027
Upland Hardwood	1.042	0.346
Upland Mixed Forest	0.606	1.166
Wet Flatwoods	1.213	0.021
Wet Prairie	1.095	0.015
Xeric Scrub	1.596	0.156
Rangeland/parkland	1.150	0.055
General Agricultural	2.29	0.381
Pasture	3.03	0.593
Citrus	2.11	0.180
Row Crops	2.50	0.577

Off-Site Improvements BMPs Demand

Retention Volume = Project Area x Retention Depth

Project Area = 0.18 ac

Retention Depth = 1.75 in

Retention Volume = 0.026 ac-ft

WATER QUALITY TREATMENT - NUTRIENT LOADING ANALYSIS (ON-SITE PROJECT AREA)

Project Area Breakdown:	
Total Project Site Area	**4.25 ac**
Total Impervious Area	**2.92 ac**
Building Area	*0.03 ac*
Pavment/ Concrete	*2.89 ac*
Total Open Space Area	**1.33 ac**
Green Space Area	*0.56 ac*
Retention Area	*0.77 ac*

7.00 ac

Area (acres) x Average Annual Rainfall (inches) x ROC Value x (1ft/12in) = Annual Runoff Volume (ac-ft)

Area (acres) =	4.25 ac	(AH V I : Appendix N)
Annual Rainfall (inches) =	52	
ROC Value Pre-Condition =	0.182	
ROC Value Post-Condition =	0.631	
Annual Runoff Volume Pre-Condition (ac-ft) =	3.35	
Annual Runoff Volume Post Condition (ac-ft) =	11.62	

	EMC		
	Landuse	Total N (mg/l)	Total P (mg/l)
Pre-Development	Dry Prairie	2.025	0.184
Post-Development	Light Industrial	1.200	0.260

*Use FDEP Statewide Landuse / Land Cover Map to determine Pre-Development Landuse

TABLE 9.2 EMC VALUES ERP AH VOL. 1		
Land Use Category	Total N (mg/l)	Total P (mg/l)
Low Density Residential	1.65	0.270
Single Family	1.77	0.327
Multi-Family	1.84	0.520
Low Intensity Commerical	0.93	0.190
High Intensity Commercial	2.40	0.345
Light Industrial	1.20	0.260
Highway	1.25	0.173
Dry Prairie	2.025	0.184
Marl Prairie	0.684	0.012
Mesic Flatwoods	1.087	0.043
Ruderal/Upland Pine	1.694	0.162
Scrubby Flatwoods	1.155	0.027
Upland Hardwood	1.042	0.346
Upland Mixed Forest	0.606	1.166
Wet Flatwoods	1.213	0.021
Wet Prairie	1.095	0.015
Xeric Scrub	1.596	0.156
Rangeland/parkland	1.150	0.055
General Agricultural	2.29	0.381
Pasture	3.03	0.593
Citrus	2.11	0.180
Row Crops	2.50	0.577

Annual Average Mass Loading = Annual Runoff Volume x EMC

	Pre-Dev.	Post-Dev.
Annual Nitrogen Mass Loading (lbs/year) =	18.45	37.92
Annual Phosphorus Mass Loading (lbs/year) =	1.68	8.21

Calculated Pre vs Post	
Required Load Reduction (Net Improv.)	%
Nitrogen	51.3%
Phosphorus	79.6%

Post Dev Max Load to Meet % Treatment Required = (1 - Load Reduction) x Post Dev Annual Average Loading

Max Nitrogen Load (lbs) =	18.45
Max Phosphorus Load (lbs) =	1.68

	Standard Removal Requirements	
	Nitrogen	Phosphorus
General Outfall Condition	55.0%	80.0%
Impaired Outfall Condition	80.0%	80.0%
OFW Outfall Condition	80.0%	90.0%
OFW + Impaired Outfall Condition	95.0%	95.0%

Governing Treatment Efficiencies	Nitrogen	Phosphorus
Treatment Efficiency	55.0%	80.0%

Note: Determine Target Removal Efficiency (Greater of Calculated vs Standard)

	Removal Eff. %	
BMP Methods	Nitrogen	Phosphorus
Retention (1.50")	82.6%	82.6%

	Conclusion	
	Nitrogen	Phosphorus
Required Removal Efficiency	55.0%	80.0%
Provided Removal Efficiency	82.6%	82.6%
Requirement Met?	Yes	Yes

On-Site Improvements BMPs Demand

Retention Volume = Project Area x Retention Depth

Project Area = 4.25 ac

Retention Depth = 1.50 in

Retention Volume = 0.531 ac-ft

Total Project BMP Demand

Off-Site Retention Volume + On-Site Retention Volume = Total Retention Volume

Total Required Retention Volume = 0.558 ac-ft

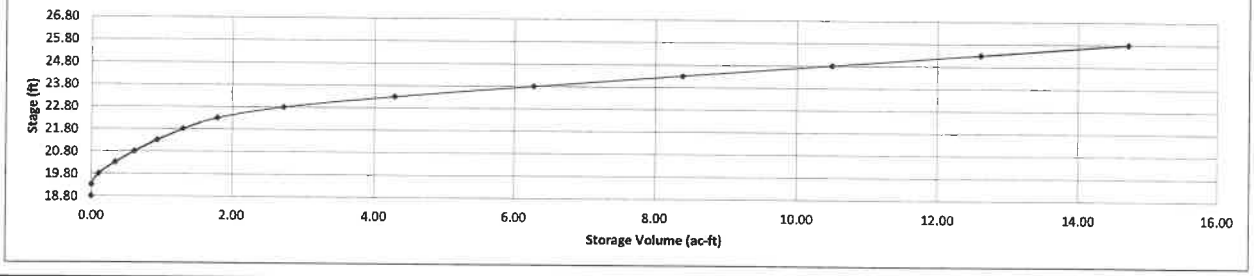
***Retention Volume Provided @ Elevation 20.70' = 0.558 ac-ft**

*(*Elevation interpolated from Stage vs Storage Table)*

STAGE vs STORAGE TABLE

Stage	Surface Water					Dry Retention					Cumulative Total Site Volume
	Green Space	Pavement	Total Surface Area	Incremental Surface Volume	Cumulative Surface Volume	A = 0.420 ac	A = 0.353 ac	Incremental Dry Retention Area	Incremental Dry Retention Volume	Cumulative Dry Retention Volume	
	A = 0.56 ac	A = 2.89 ac				Bottom	Bank				
Start Elevation	21.80	22.30				19.80	19.80				
End Elevation	22.50	23.50	(ac)	(ac-ft)	(ac-ft)	19.80	21.80	(ac)	(ac-ft)	(ac-ft)	(ac-ft)
18.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19.80	0.00	0.00	0.00	0.00	0.00	0.42	0.00	0.42	0.11	0.11	0.11
20.30	0.00	0.00	0.00	0.00	0.00	0.42	0.09	0.51	0.23	0.34	0.34
20.80	0.00	0.00	0.00	0.00	0.00	0.42	0.18	0.60	0.28	0.61	0.61
21.30	0.00	0.00	0.00	0.00	0.00	0.42	0.26	0.68	0.32	0.93	0.93
21.80	0.00	0.00	0.00	0.00	0.00	0.42	0.35	0.77	0.36	1.30	1.30
22.30	0.40	0.00	0.40	0.10	0.10	0.42	0.35	0.77	0.39	1.69	1.79
22.80	0.56	1.20	1.76	0.54	0.64	0.42	0.35	0.77	0.39	2.07	2.71
23.30	0.56	2.41	2.97	1.18	1.82	0.42	0.35	0.77	0.39	2.46	4.28
23.80	0.56	2.89	3.45	1.60	3.43	0.42	0.35	0.77	0.39	2.84	6.27
24.30	0.56	2.89	3.45	1.73	5.15	0.42	0.35	0.77	0.39	3.23	8.38
24.80	0.56	2.89	3.45	1.73	6.88	0.42	0.35	0.77	0.39	3.62	10.50
25.30	0.56	2.89	3.45	1.73	8.60	0.42	0.35	0.77	0.39	4.00	12.61
25.80	0.56	2.89	3.45	1.73	10.33	0.42	0.35	0.77	0.39	4.39	14.72

STAGE vs STORAGE GRAPH



CURVE NUMBER DETERMINATION

Pre-Development Curve Number:

Condition Type	Curve Number
Open space, Fair condition, D soil group (4.25 ac)	**84**

Post-Development Curve Number:

Condition Type	Curve Number
Impervious Areas (2.92 ac)	91
Open space, Fair condition, D soil group (1.33 ac)	84
Composite Curve Number	**89**

Note: Curve Numbers determined using NRCS TR-55 Curve Number Tables.

TIME OF CONCENTRATION CALCULATION

Note: The following time of concentration calculations have been performed using the method outlined in the NRCS Urban Hydrology for Small Watersheds (TR-55)

Sheet Flow	
Manning's Roughness Coef "n" =	0.013
Flow Length "L" =	1750 ft
2 Year 24 Hour Rainfall "P" =	5.0 in
Hydraulic Grade Line Slope "s" =	0.02 ft/ft
Time = 0.007*(n*L)^0.8/[(P)^0.5*s^0.4]*60 =	**10.9 min**
Shallow Concentrated Flow	
Impervious Surface:	
Slope =	0.003 ft/ft
Velocity = 20.3282*s^(0.5) =	1.1 fps
Travel Distance =	300 ft
Time = (distance/Velocity) =	**4.5 min**
Pervious Surface:	
Slope =	0.003 ft/ft
Velocity = 16.1345*s^(0.5) =	0.9 fps
Travel Distance =	787 ft
Time = (distance/Velocity) =	**14.8 min**
Pipe Flow	
Velocity (estimated) =	1.0 fps
Travel Distance =	110 ft
Time = (distance/Velocity) =	**1.8 min**
Conclusion	
Time of Concentration (sum of all travel times) =	**32.1 min**
Time of Concentration used In Flood Routing Model =	**32.1 min**
(Minimum Allowable = 10 Minutes)	

Zone 4 - Mean Annual Runoff Coefficients (ROC Value) as a Function of DCIA Percentage and Non DCIA Curve Number

NDCIA CN	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
	0.004	0.045	0.086	0.127	0.168	0.209	0.250	0.291	0.332	0.373	0.414	0.455	0.496	0.536	0.577	0.618	0.659	0.700	0.741	0.782	0.823
35	0.007	0.048	0.089	0.129	0.170	0.211	0.252	0.293	0.333	0.374	0.415	0.456	0.497	0.537	0.578	0.619	0.660	0.701	0.741	0.782	0.823
40	0.011	0.051	0.092	0.133	0.173	0.214	0.254	0.295	0.336	0.376	0.417	0.458	0.498	0.539	0.579	0.620	0.661	0.701	0.742	0.782	0.823
45	0.016	0.056	0.096	0.137	0.177	0.217	0.258	0.298	0.339	0.379	0.419	0.460	0.500	0.540	0.581	0.621	0.662	0.702	0.742	0.783	0.823
50	0.022	0.062	0.102	0.142	0.182	0.222	0.262	0.302	0.342	0.382	0.423	0.463	0.503	0.543	0.583	0.623	0.663	0.703	0.743	0.783	0.823
55	0.030	0.070	0.109	0.149	0.189	0.228	0.268	0.308	0.347	0.387	0.427	0.466	0.506	0.546	0.585	0.625	0.664	0.704	0.744	0.783	0.823
60	0.040	0.080	0.119	0.158	0.197	0.236	0.275	0.314	0.353	0.393	0.432	0.471	0.510	0.549	0.588	0.627	0.667	0.706	0.745	0.784	0.823
65	0.054	0.092	0.131	0.169	0.208	0.246	0.285	0.323	0.362	0.400	0.438	0.477	0.515	0.554	0.592	0.631	0.669	0.708	0.746	0.785	0.823
70	0.071	0.109	0.147	0.184	0.222	0.259	0.297	0.335	0.372	0.410	0.447	0.485	0.522	0.560	0.598	0.635	0.673	0.710	0.748	0.785	0.823
75	0.096	0.132	0.168	0.205	0.241	0.277	0.314	0.350	0.387	0.423	0.459	0.496	0.532	0.568	0.605	0.641	0.678	0.714	0.750	0.787	0.823
80	0.130	0.165	0.199	0.234	0.268	0.303	0.338	0.372	0.407	0.442	0.476	0.511	0.546	0.580	0.615	0.650	0.684	0.719	0.754	0.788	0.823
85	0.182	0.214	0.246	0.278	0.310	0.342	0.374	0.406	0.438	0.470	0.502	0.534	0.566	0.599	0.631	0.663	0.695	0.727	0.759	0.791	0.823
90	0.266	0.294	0.322	0.350	0.378	0.406	0.433	0.461	0.489	0.517	0.545	0.573	0.600	0.628	0.656	0.684	0.712	0.740	0.767	0.795	0.823
95	0.429	0.449	0.469	0.488	0.508	0.528	0.547	0.567	0.587	0.606	0.626	0.646	0.665	0.685	0.705	0.725	0.744	0.764	0.784	0.803	0.823
98	0.616	0.626	0.636	0.647	0.657	0.667	0.678	0.688	0.699	0.709	0.719	0.730	0.740	0.750	0.761	0.771	0.782	0.792	0.802	0.813	0.823

Mean Annual Mass Removal Efficiencies of 1.75-inches of Retention for Zone 4 By Percent DCIA (Off-Site Project Area)

Non DCIA CN	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
30	98.2	98.7	98.8	98.7	98.4	97.9	97.3	96.5	95.7	94.8	93.8	92.8	91.7	90.5	89.3	88.0	86.7	85.4	84.1	82.8
35	97.3	98.1	98.3	98.2	97.9	97.5	96.9	96.2	95.5	94.6	93.6	92.6	91.5	90.4	89.2	87.9	86.7	85.4	84.1	82.8
40	96.2	97.4	97.7	97.7	97.4	97.0	96.5	95.9	95.1	94.3	93.4	92.4	91.3	90.2	89.0	87.8	86.6	85.4	84.1	82.8
45	95.1	96.5	96.9	97.0	96.8	96.5	96.0	95.4	94.7	93.9	93.1	92.1	91.1	90.0	88.9	87.7	86.5	85.3	84.1	82.8
50	93.9	95.5	96.0	96.1	96.0	95.8	95.4	94.8	94.2	93.5	92.7	91.8	90.8	89.6	88.7	87.6	86.4	85.2	84.0	82.8
55	92.4	94.3	95.0	95.2	95.2	95.0	94.6	94.2	93.6	93.0	92.2	91.4	90.5	89.5	88.5	87.4	86.3	85.2	84.0	82.8
60	90.9	92.9	93.7	94.1	94.2	94.0	93.8	93.4	92.9	92.4	91.7	90.9	90.1	89.2	88.2	87.2	86.2	85.1	83.9	82.8
65	89.4	91.4	92.4	92.9	93.0	93.0	92.8	92.5	92.1	91.6	91.0	90.4	89.6	88.8	87.9	87.0	86.0	84.9	83.9	82.8
70	87.9	89.9	90.9	91.5	91.7	91.8	91.7	91.5	91.2	90.7	90.3	89.7	89.0	88.3	87.5	86.6	85.7	84.8	83.8	82.8
75	86.5	88.4	89.4	90.0	90.3	90.5	90.4	90.3	90.1	89.7	89.3	88.9	88.3	87.7	87.0	86.2	85.4	84.6	83.7	82.8
80	85.3	86.8	87.8	88.4	88.8	88.9	89.0	88.9	88.8	88.6	88.3	87.9	87.4	86.9	86.4	85.7	85.1	84.4	83.6	82.8
85	84.3	85.4	86.2	86.7	87.1	87.3	87.4	87.4	87.3	87.2	87.0	86.7	86.4	86.0	85.6	85.1	84.6	84.0	83.4	82.8
90	83.5	84.1	84.7	85.0	85.3	85.5	85.7	85.7	85.7	85.6	85.5	85.4	85.2	84.9	84.7	84.4	84.0	83.7	83.3	82.8
95	82.9	83.2	83.4	83.6	83.7	83.8	83.9	83.9	83.9	83.9	83.9	83.8	83.8	83.7	83.6	83.5	83.3	83.2	83.0	82.8
98	83.0	83.1	83.1	83.1	83.1	83.1	83.2	83.2	83.2	83.1	83.1	83.1	83.1	83.1	83.0	83.0	83.0	82.9	82.9	82.8

Mean Annual Mass Removal Efficiencies of 1.50-inches of Retention for Zone 4 By Percent DCIA (On-Site Project Area)

Mean Annual Mass Removal Efficiencies for 1.50-inches of Retention for Zone 4 by Percent DCIA

Non DCIA CN	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
30	97.8	98.4	98.5	98.2	97.7	97.1	96.2	95.3	94.2	93.0	91.7	90.4	89.0	87.5	86.0	84.5	83.0	81.5	80.0	78.5
35	96.7	97.7	97.9	97.7	97.3	96.6	95.8	94.9	93.9	92.8	91.5	90.2	88.8	87.4	85.9	84.4	82.9	81.4	80.0	78.5
40	95.5	96.8	97.1	97.0	96.6	96.1	95.4	94.5	93.5	92.4	91.2	89.9	88.6	87.2	85.8	84.3	82.9	81.4	80.0	78.5
45	94.1	95.7	96.2	96.2	95.9	95.4	94.8	94.0	93.1	92.0	90.9	89.7	88.4	87.0	85.6	84.2	82.8	81.3	79.9	78.5
50	92.5	94.4	95.1	95.2	95.0	94.6	94.1	93.3	92.5	91.5	90.5	89.3	88.1	86.8	85.4	84.1	82.7	81.3	79.9	78.5
55	90.8	93.0	93.8	94.0	94.0	93.7	93.2	92.6	91.8	91.0	90.0	88.9	87.7	86.5	85.2	83.9	82.5	81.2	79.9	78.5
60	88.9	91.3	92.3	92.7	92.8	92.6	92.2	91.7	91.0	90.3	89.4	88.4	87.3	86.1	84.9	83.7	82.4	81.1	79.8	78.5
65	87.1	89.6	90.7	91.3	91.4	91.3	91.1	90.6	90.1	89.4	88.6	87.7	86.8	85.7	84.6	83.4	82.2	81.0	79.8	78.5
70	85.4	87.8	89.0	89.6	89.9	89.9	89.7	89.4	89.0	88.4	87.7	87.0	86.1	85.1	84.1	83.1	82.0	80.8	79.7	78.5
75	83.8	85.9	87.1	87.8	88.2	88.3	88.2	88.0	87.7	87.2	86.7	86.0	85.3	84.4	83.6	82.6	81.6	80.6	79.6	78.5
80	82.2	84.0	85.2	85.9	86.3	86.4	86.5	86.4	86.2	85.8	85.4	84.9	84.3	83.6	82.9	82.1	81.2	80.4	79.5	78.5
85	81.0	82.3	83.2	83.8	84.2	84.4	84.5	84.5	84.4	84.2	83.9	83.5	83.0	82.5	82.0	81.4	80.7	80.0	79.3	78.5
90	80.0	80.7	81.3	81.8	82.1	82.3	82.4	82.4	82.4	82.2	82.1	81.8	81.6	81.2	80.9	80.5	80.0	79.6	79.1	78.5
95	79.1	79.4	79.6	79.8	79.9	80.0	80.1	80.1	80.1	80.1	80.0	79.9	79.8	79.7	79.6	79.4	79.2	79.0	78.8	78.5
98	79.0	79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.0	79.0	79.0	79.0	78.9	78.9	78.8	78.8	78.7	78.7	78.6	78.5

National Flood Hazard Layer FIRMette

FEMA

81°37'7"W 26°38'28"N



81°36'30"W 26°37'56"N

Feet

0 250 500 1,000 1,500 2,000

1:6,000

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) Zone A, V, A99
- With BFE or Depth Zone AE, AO, AH, VE, AR
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Area of 1% annual chance flood with average depth less than one foot or with drainag areas of less than one square mile Zone
- Future Conditions 1% Annual Chance Flood Hazard Zone X
- Area with Reduced Flood Risk due to Levee. See Notes. Zone X
- Area with Flood Risk due to Levee Zone D

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard Zone X
- Effective LOMRs
- Area of Undetermined Flood Hazard Zone

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 / 17.6 Cross Sections with 1% Annual Chance / Water Surface Elevation
- Coastal Transect
- 513 Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximat point selected by the user and does not represe an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 2/10/2026 at 6:54 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

Location name: Lehigh Acres, Florida, USA*
Latitude: 26.6365°, Longitude: -81.6135°
Elevation: 22 ft**
* source: ESRI Maps
** source: USGS

POINT PRECIPITATION FREQUENCY ESTIMATES

Sanja Perica, Deborah Martin, Sandra Pavlovic, Ishani Roy, Michael St. Laurent, Carl Trypaluk, Dale Unruh, Michael Yekta, Geoffery Bonnin

NOAA, National Weather Service, Silver Spring, Maryland

PF_tabular | PF_graphical | Maps_&_aerials

PF tabular

PDS-based point precipitation frequency estimates with 90% confidence intervals (in inches)[1]

Duration	Average recurrence interval (years)									
	1	2	5	10	25	50	100	200	500	1000
5-min	0.549 (0.441-0.694)	0.619 (0.496-0.784)	0.732 (0.585-0.930)	0.824 (0.656-1.05)	0.949 (0.730-1.25)	1.04 (0.786-1.40)	1.14 (0.829-1.56)	1.23 (0.862-1.74)	1.35 (0.912-1.98)	1.44 (0.950-2.15)
10-min	0.803 (0.645-1.02)	0.906 (0.727-1.15)	1.07 (0.857-1.36)	1.21 (0.960-1.54)	1.39 (1.07-1.83)	1.53 (1.15-2.04)	1.66 (1.21-2.29)	1.80 (1.26-2.55)	1.98 (1.34-2.89)	2.11 (1.39-3.15)
15-min	0.980 (0.787-1.24)	1.10 (0.886-1.40)	1.31 (1.04-1.66)	1.47 (1.17-1.88)	1.70 (1.30-2.23)	1.86 (1.40-2.49)	2.03 (1.48-2.79)	2.20 (1.54-3.11)	2.41 (1.63-3.53)	2.57 (1.70-3.84)
30-min	1.54 (1.24-1.95)	1.73 (1.39-2.20)	2.05 (1.64-2.60)	2.31 (1.84-2.95)	2.66 (2.04-3.49)	2.92 (2.20-3.90)	3.18 (2.32-4.37)	3.44 (2.41-4.87)	3.77 (2.55-5.51)	4.02 (2.65-6.00)
60-min	2.03 (1.63-2.57)	2.28 (1.83-2.89)	2.69 (2.15-3.42)	3.02 (2.40-3.86)	3.48 (2.68-4.58)	3.83 (2.89-5.13)	4.18 (3.05-5.75)	4.53 (3.18-6.43)	4.99 (3.38-7.31)	5.33 (3.52-7.97)
2-hr	2.52 (2.04-3.18)	2.83 (2.28-3.56)	3.32 (2.67-4.20)	3.74 (2.99-4.74)	4.30 (3.33-5.64)	4.74 (3.60-6.31)	5.18 (3.80-7.09)	5.62 (3.97-7.94)	6.21 (4.23-9.04)	6.65 (4.42-9.88)
3-hr	2.74 (2.22-3.44)	3.08 (2.49-3.86)	3.63 (2.93-4.57)	4.10 (3.28-5.18)	4.75 (3.69-6.21)	5.26 (4.00-6.99)	5.77 (4.26-7.89)	6.30 (4.47-8.88)	7.02 (4.80-10.2)	7.56 (5.05-11.2)
6-hr	3.08 (2.50-3.83)	3.50 (2.85-4.36)	4.22 (3.42-5.28)	4.84 (3.90-6.08)	5.74 (4.50-7.49)	6.45 (4.95-8.55)	7.19 (5.34-9.79)	7.96 (5.70-11.2)	9.03 (6.23-13.1)	9.86 (6.63-14.5)
12-hr	3.40 (2.78-4.21)	3.97 (3.24-4.92)	4.96 (4.03-6.15)	5.82 (4.71-7.26)	7.08 (5.60-9.24)	8.12 (6.27-10.7)	9.20 (6.88-12.5)	10.4 (7.46-14.5)	12.0 (8.31-17.2)	13.2 (8.95-19.3)
24-hr	3.88 (3.18-4.76)	4.54 (3.73-5.58)	5.72 (4.68-7.06)	6.79 (5.53-8.42)	8.39 (6.69-10.9)	9.73 (7.57-12.8)	11.2 (8.41-15.1)	12.7 (9.21-17.7)	14.9 (10.4-21.3)	16.6 (11.3-24.1)
2-day	4.61 (3.80-5.62)	5.30 (4.37-6.48)	6.57 (5.40-8.05)	7.74 (6.33-9.53)	9.53 (7.65-12.4)	11.0 (8.65-14.5)	12.7 (9.63-17.1)	14.5 (10.6-20.1)	17.0 (12.0-24.3)	19.1 (13.1-27.6)
3-day	5.12 (4.23-6.22)	5.91 (4.89-7.20)	7.34 (6.05-8.95)	8.62 (7.08-10.6)	10.6 (8.49-13.6)	12.2 (9.56-15.9)	13.9 (10.6-18.6)	15.8 (11.6-21.8)	18.4 (13.0-26.2)	20.5 (14.1-29.5)
4-day	5.57 (4.62-6.75)	6.45 (5.35-7.83)	7.99 (6.60-9.73)	9.36 (7.70-11.4)	11.4 (9.16-14.6)	13.1 (10.3-16.9)	14.8 (11.3-19.8)	16.7 (12.3-22.9)	19.4 (13.7-27.4)	21.5 (14.8-30.7)
7-day	6.87 (5.72-8.28)	7.84 (6.53-9.47)	9.51 (7.89-11.5)	11.0 (9.04-13.3)	13.0 (10.5-16.5)	14.7 (11.6-19.0)	16.5 (12.6-21.8)	18.4 (13.5-25.0)	20.9 (14.9-29.4)	23.0 (15.9-32.7)
10-day	8.08 (6.74-9.70)	9.09 (7.59-10.9)	10.8 (8.99-13.0)	12.3 (10.2-14.9)	14.4 (11.6-18.1)	16.1 (12.7-20.5)	17.8 (13.6-23.4)	19.6 (14.5-26.5)	22.1 (15.7-30.8)	24.0 (16.7-34.0)
20-day	11.5 (9.69-13.8)	12.7 (10.7-15.2)	14.7 (12.3-17.6)	16.3 (13.6-19.6)	18.5 (14.9-22.9)	20.2 (16.0-25.4)	21.8 (16.8-28.3)	23.5 (17.4-31.4)	25.7 (18.4-35.5)	27.3 (19.2-38.5)
30-day	14.5 (12.2-17.2)	15.9 (13.4-18.9)	18.2 (15.2-21.7)	20.0 (16.7-24.0)	22.4 (18.1-27.6)	24.2 (19.2-30.3)	25.9 (19.9-33.3)	27.5 (20.4-36.5)	29.5 (21.2-40.5)	31.0 (21.8-43.5)
45-day	18.2 (15.4-21.5)	20.0 (16.9-23.7)	22.9 (19.2-27.2)	25.1 (21.0-29.9)	27.9 (22.5-34.0)	29.9 (23.7-37.1)	31.7 (24.4-40.5)	33.3 (24.8-44.0)	35.3 (25.4-48.1)	36.6 (25.9-51.2)
60-day	21.4 (18.1-25.3)	23.6 (20.0-27.9)	27.1 (22.8-32.1)	29.7 (24.9-35.3)	32.9 (26.6-40.0)	35.1 (27.9-43.5)	37.1 (28.7-47.2)	38.9 (29.0-51.0)	40.9 (29.5-55.4)	42.1 (29.8-58.7)

[1] Precipitation frequency (PF) estimates in this table are based on frequency analysis of partial duration series (PDS).

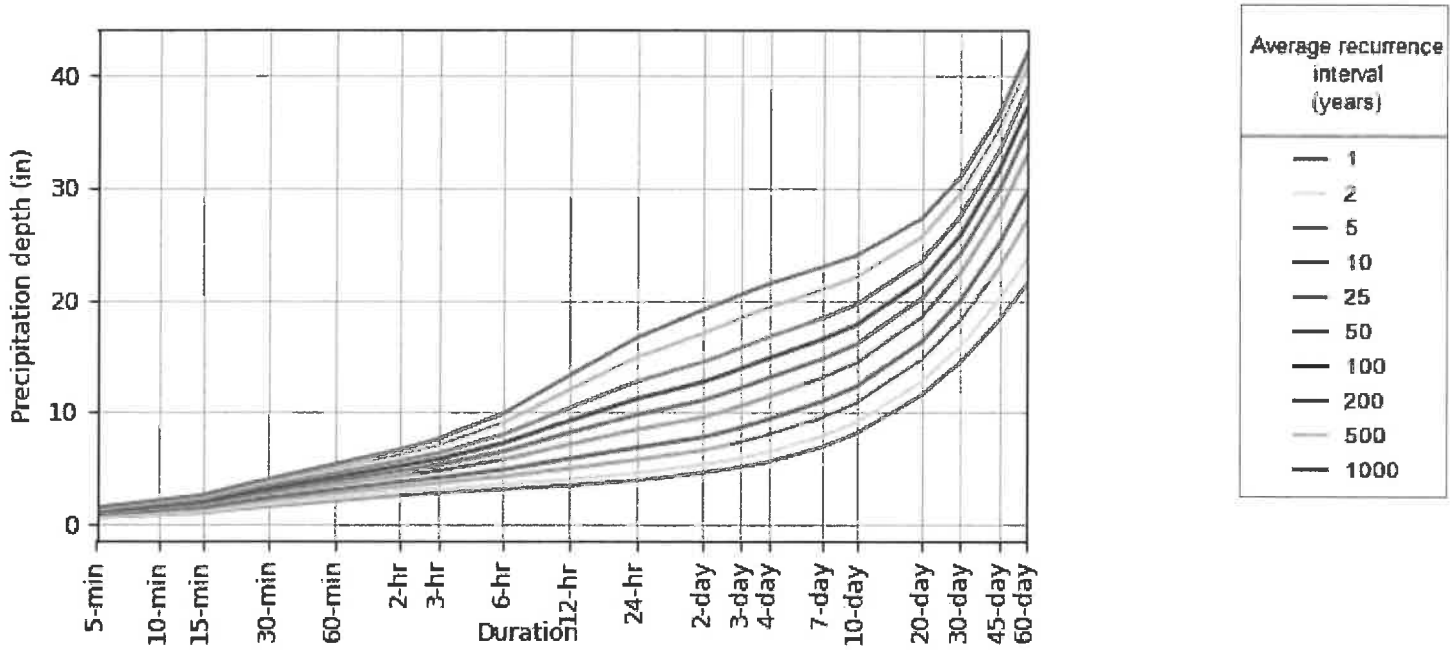
Numbers in parenthesis are PF estimates at lower and upper bounds of the 90% confidence interval. The probability that precipitation frequency estimates (for a given duration and average recurrence interval) will be greater than the upper bound (or less than the lower bound) is 5%. Estimates at upper bounds are not checked against probable maximum precipitation (PMP) estimates and may be higher than currently valid PMP values.

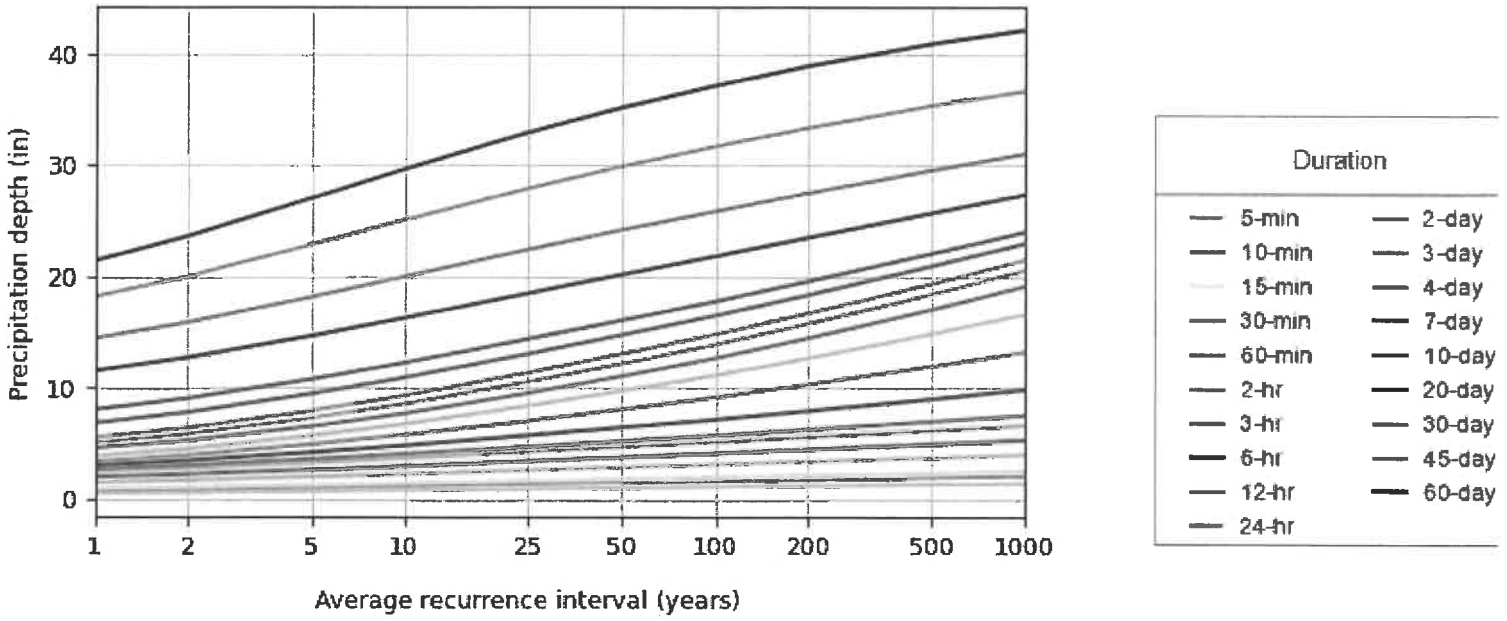
Please refer to NOAA Atlas 14 document for more information.

Back to Top

PF graphical

PDS-based depth-duration-frequency (DDF) curves
Latitude: 26.6365°, Longitude: -81.6135°





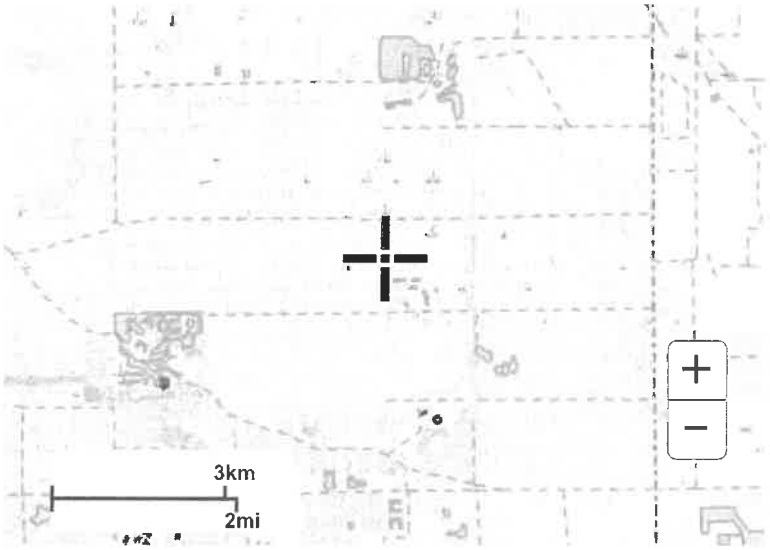
OAA Atlas 14, Volume 9, Version 2

Created (GMT): Tue Feb 10 18:48:05 2026

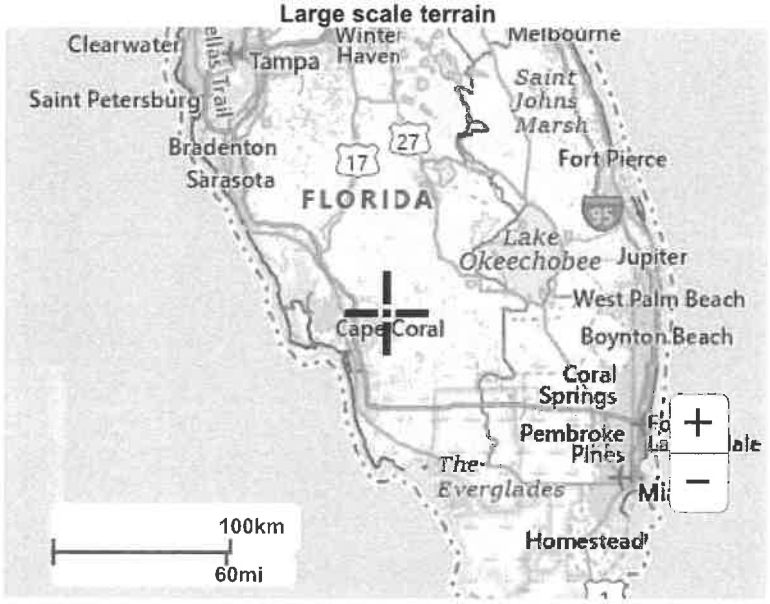
Back to Top

Maps & aerials

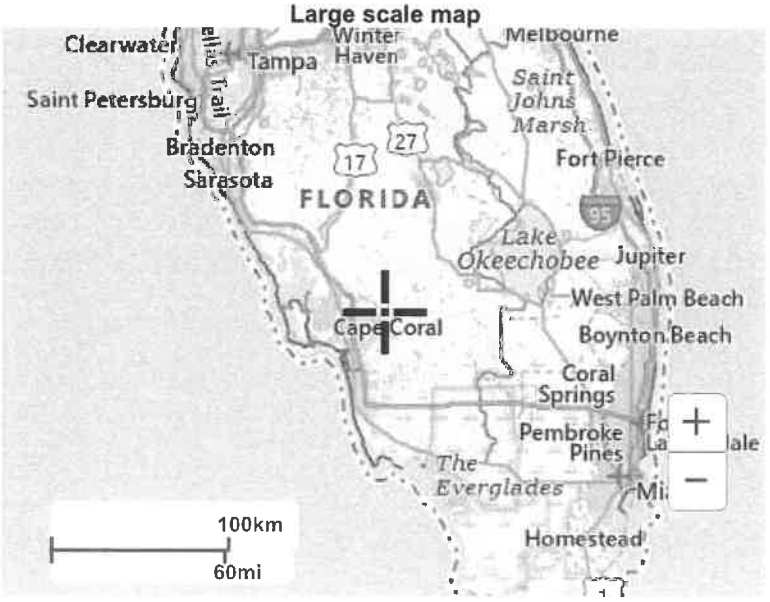
Small scale terrain



Large scale terrain



Large scale map



Large scale aerial



Back to Top

US Department of Commerce
National Oceanic and Atmospheric Administration
National Weather Service
National Water Center
1325 East West Highway
Silver Spring, MD 20910
Questions?: HDSC.Questions@noaa.gov

Disclaimer


81° 36' 51" W
81° 36' 44" W
26° 38' 16" N
26° 38' 8" N
438870
438900
438930
438960
438990
439020
439050
2946490
2946460
2946430
2946400
2946370
2946340
2946310
2946280
2946250
North
North Ave
Thompson Ave
E 10th St
147
129
121
Soil Map may not be valid at this scale.
Map Scale: 1:1,200 if printed on A portrait (8.5" x 11") sheet.
Meters
0 15 30 60 90
Feet
0 50 100 200 300
N
Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 17N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils

Soil Rating Polygons
- Very Low (0.0 - 0.01)
- Low (0.01 - 0.1)
- Moderately Low (0.1 - 1)
- Moderately High (1 - 10)
- High (10 - 100)
- Very High (100 - 705)
- Not rated or not available

Soil Rating Lines
- Very Low (0.0 - 0.01)
- Low (0.01 - 0.1)
- Moderately Low (0.1 - 1)
- Moderately High (1 - 10)
- High (10 - 100)
- Very High (100 - 705)
- Not rated or not available

Soil Rating Points
- Very Low (0.0 - 0.01)
- Low (0.01 - 0.1)
- Moderately Low (0.1 - 1)
- Moderately High (1 - 10)
- High (10 - 100)
- Very High (100 - 705)
- Not rated or not available

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Lee County, Florida
Survey Area Data: Version 23, Aug 29, 2025

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Nov 14, 2021—Nov 23, 2021

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Saturated Hydraulic Conductivity (Ksat), Standard Classes

Map unit symbol	Map unit name	Rating (micrometers per second)	Acres in AOI	Percent of AOI
121	Malabar fine sand, high-Urban land complex, 0 to 2 percent slopes	76.8169 21.77 FT/DAY	0.8	10.8%
129	Pineda fine sand-Urban land complex, 0 to 2 percent slopes	59.8754 16.97 FT/DAY	3.6	46.0%
147	Pineda fine sand, limestone substratum-Urban land complex, 0 to 2 percent slopes	57.9282 16.42 FT/DAY	3.4	43.3%
Totals for Area of Interest		**WEIGHTED AVERAGE 17.22 FT/DAY**	**7.8**	**100.0%**

Description

Saturated hydraulic conductivity (Ksat) refers to the ease with which pores in a saturated soil transmit water. The estimates are expressed in terms of micrometers per second. They are based on soil characteristics observed in the field, particularly structure, porosity, and texture. Saturated hydraulic conductivity is considered in the design of soil drainage systems and septic tank absorption fields.

For each soil layer, this attribute is actually recorded as three separate values in the database. A low value and a high value indicate the range of this attribute for the soil component. A "representative" value indicates the expected value of this attribute for the component. For this soil property, only the representative value is used.

The numeric Ksat values have been grouped according to standard Ksat class limits. The classes are:

Very low: 0.00 to 0.01

Low: 0.01 to 0.1

Moderately low: 0.1 to 1.0

Moderately high: 1 to 10

High: 10 to 100

Very high: 100 to 705

Rating Options

Units of Measure: micrometers per second

Aggregation Method: Dominant Component

Component Percent Cutoff: None Specified

Tie-break Rule: Fastest

Interpret Nulls as Zero: No

Layer Options (Horizon Aggregation Method): Depth Range (Weighted Average)

Top Depth: 0

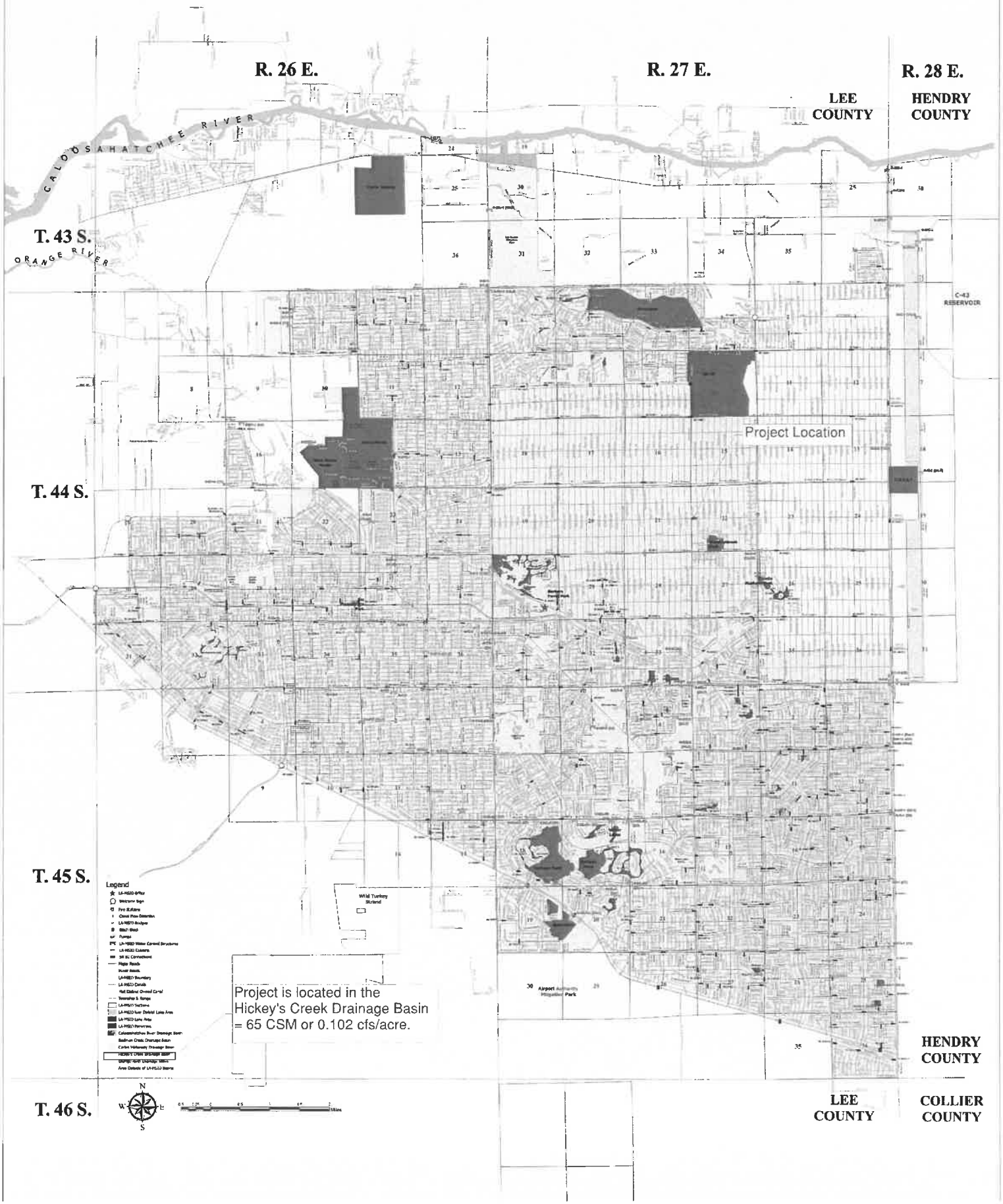
Bottom Depth: 72

Units of Measure: Inches

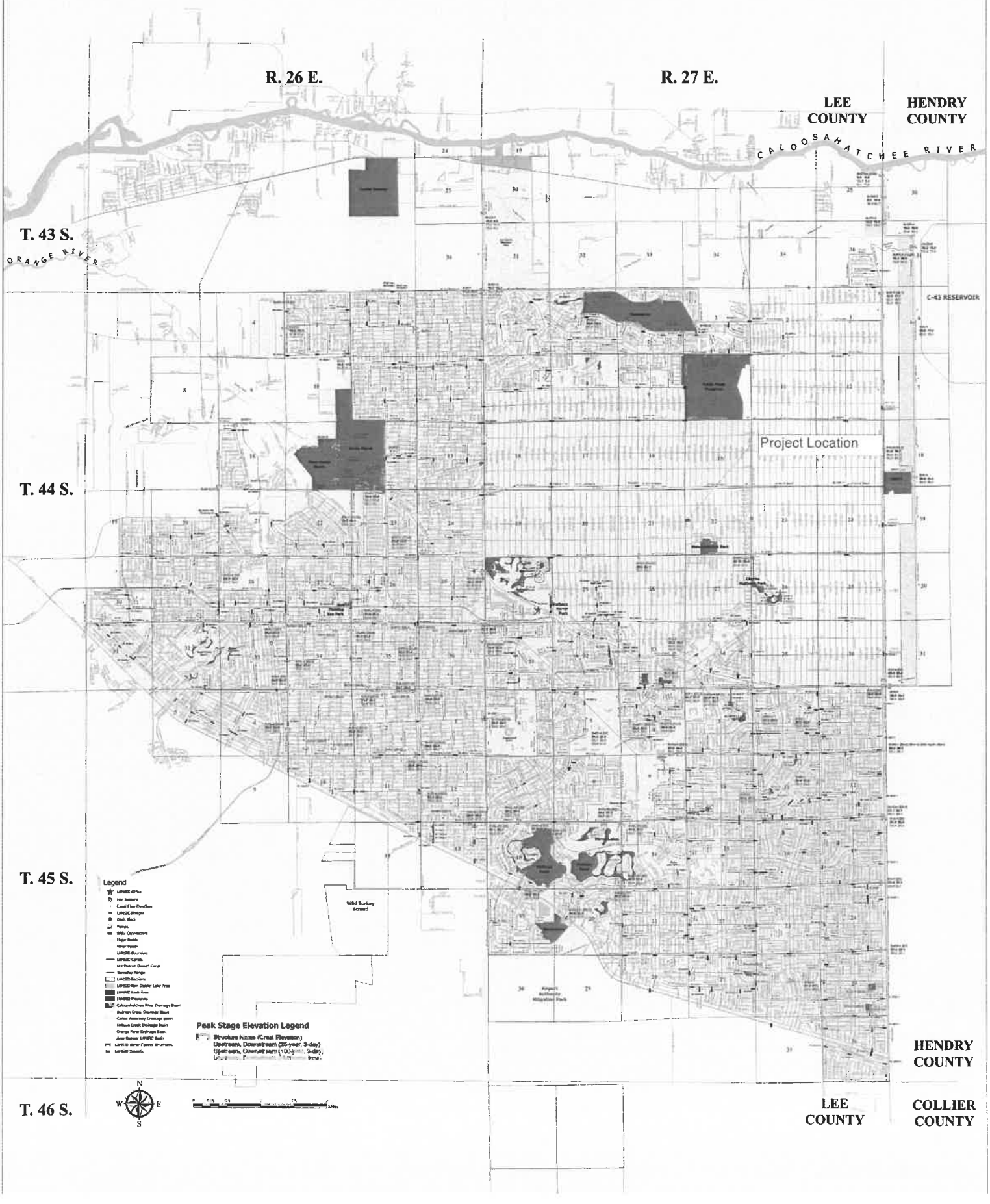
FDEP STATEWIDE LAND USE MAP

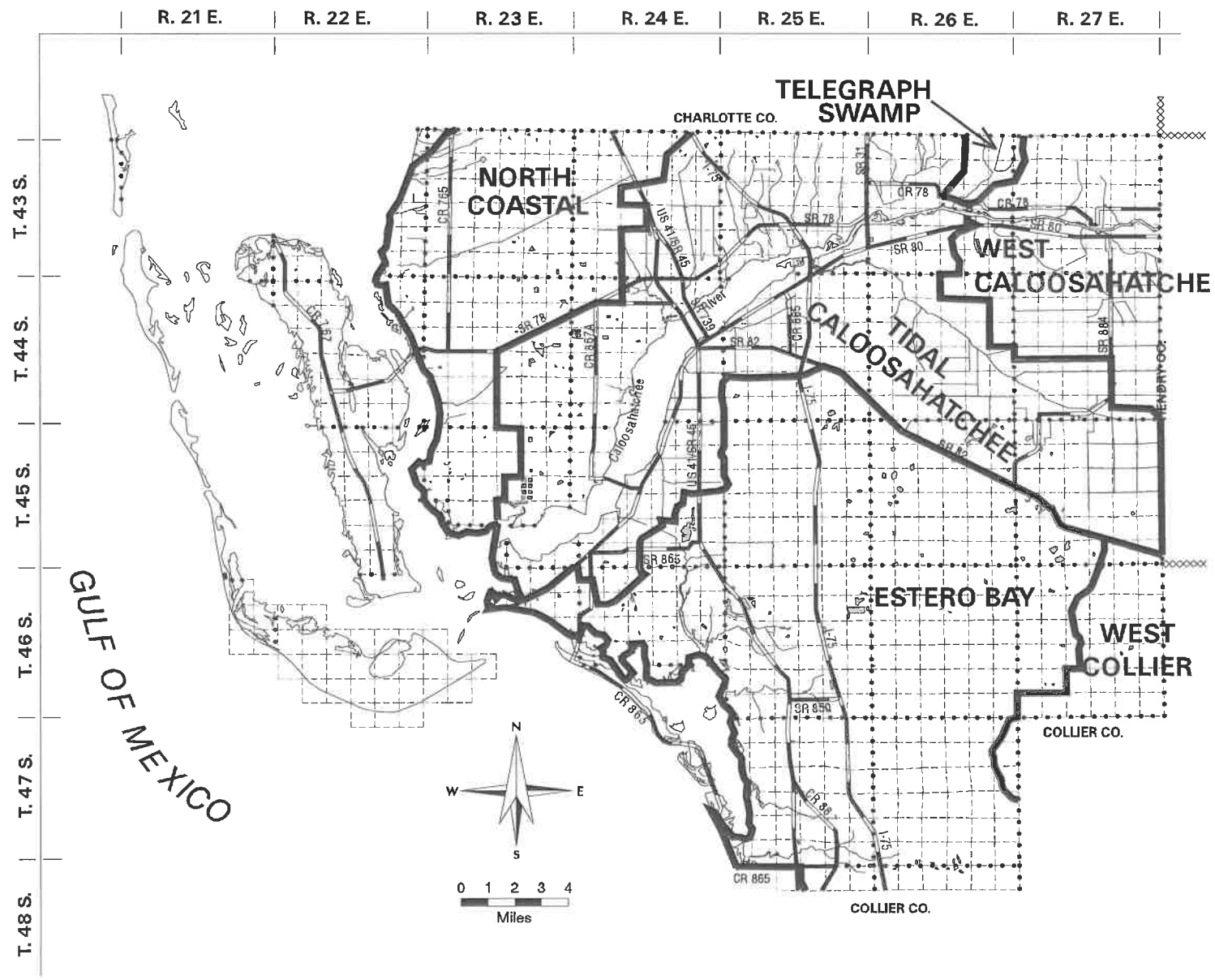


LEHIGH ACRES - MUNICIPAL SERVICES IMPROVEMENT DISTRICT



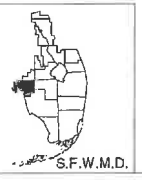
LEHIGH ACRES - MUNICIPAL SERVICES IMPROVEMENT DISTRICT





DRAINAGE BASINS for LEE COUNTY, FL.

Figure B-9



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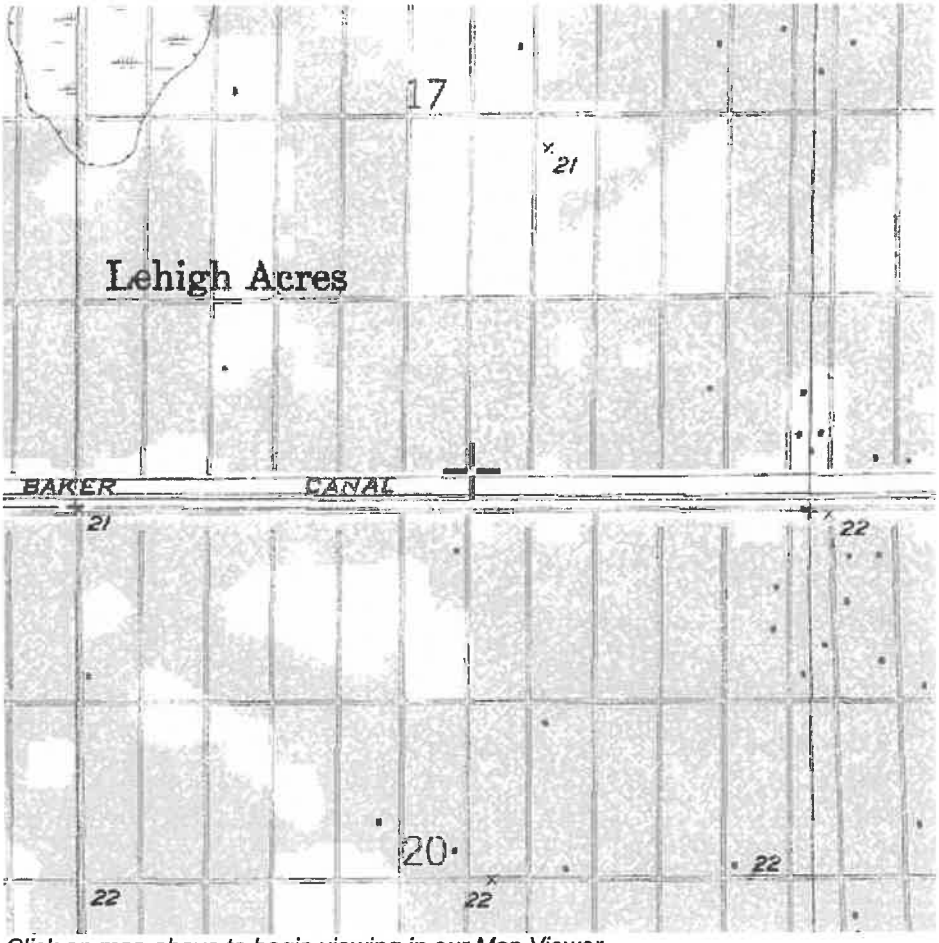
West Baker Canal, Florida

West Baker Canal is a canal located in Lee County, FL at N26.64313° W81.63786° (NAD83) and at an elevation o 22 ft MSL.
It can be seen on the USGS 1:24K topographic map Olga, FL.

Feature Type:	Canal
Latitude:	N26.64313° *(NAD83 datum)*
Longitude:	W81.63786°
Elevation:	22 ft MSL
County:	Lee County, Florida
USGS 24K Map:	Olga, FL
USGS 24K MRC:	26081F6

You can view this location or feature in our Topographic Map Viewer now.



Click on map above to begin viewing in our Map Viewer.

Here are some other places near West Baker Canal that may be of interest:

Feature Name	Type	Latitude	Longitude	Distance	View

View

File size: 2.9MB. OS: Win dailytapp.com

CONCEPTUAL SITE PLANS
FOR

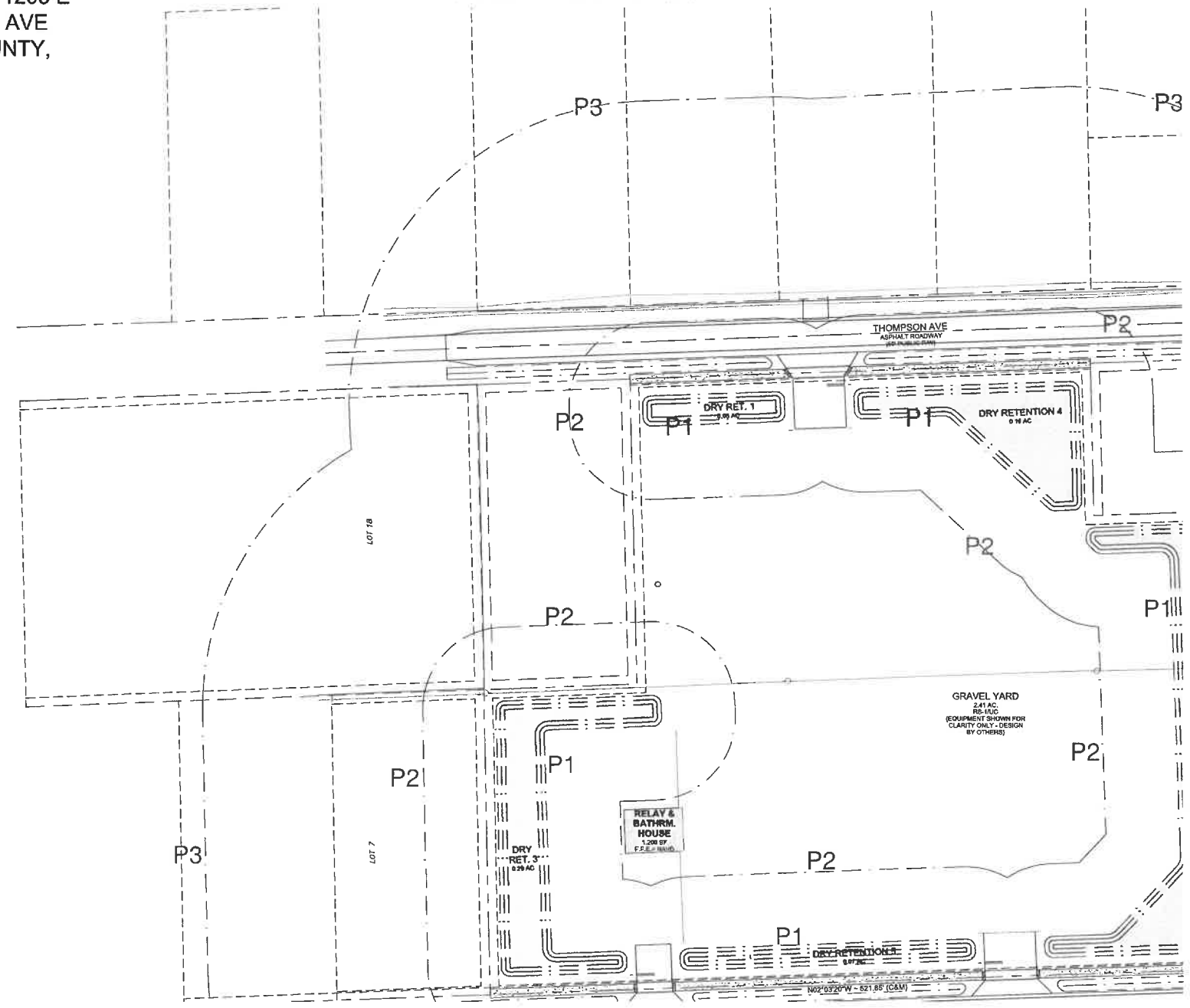
NORTH LEHIGH
LCEC SUBSTATION

1002-1008 NORTH AVE, 1201-1205 E
10TH ST, 1003 THOMPSON AVE
LEHIGH ACRES - LEE COUNTY,
FLORIDA 33972

Retention Recovery Analysis
Horizontal Flow Algorithm
(Ground Water Mounding Analysis)

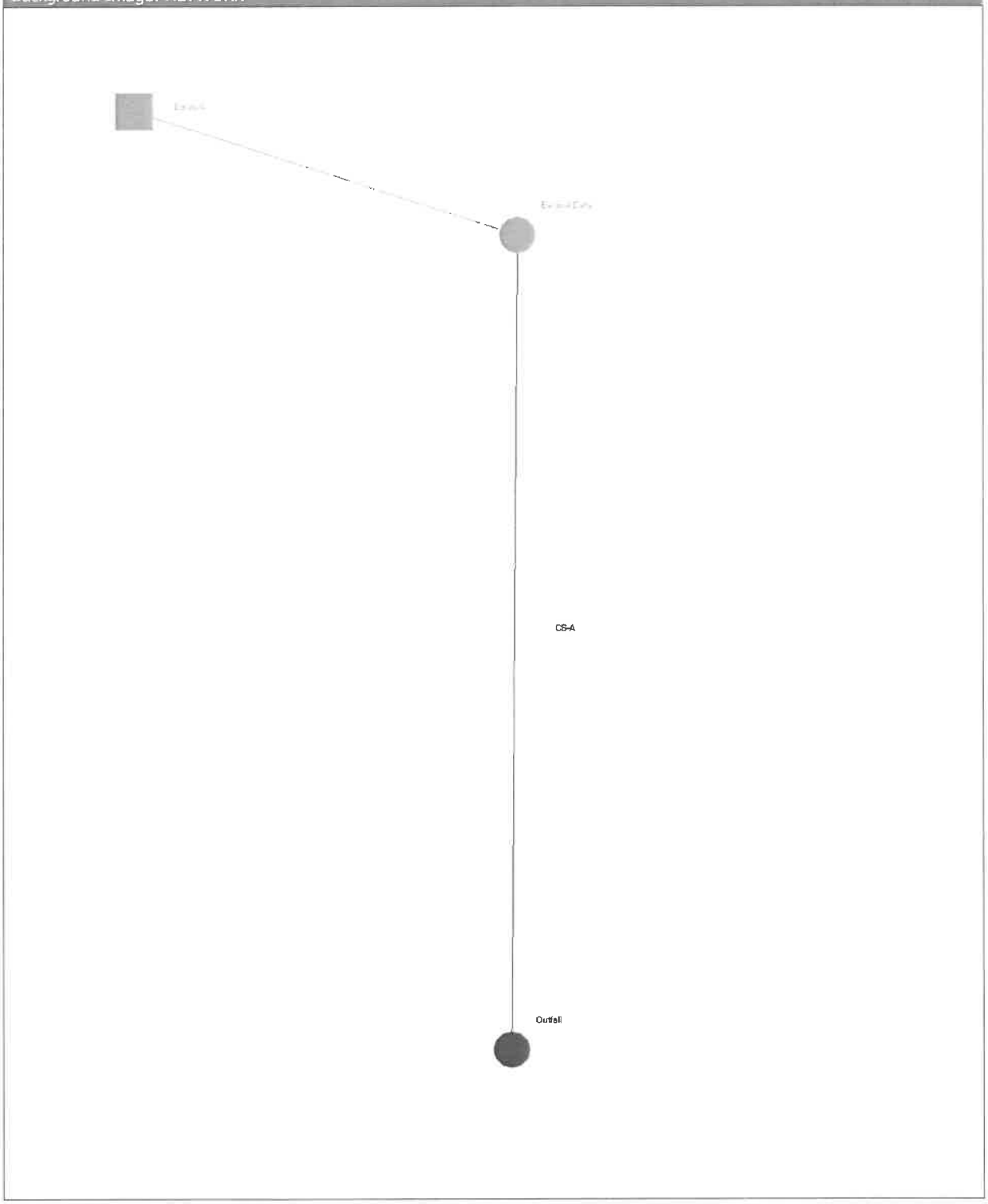
	Saturated Hydraulic Conductivity (FT/DAY)
Weighted AVG.	17.22
*W/ F.S. = 2.0	8.61

RESULTS SUMMARY
WHEN GROUND WATER MOUNDING WAS CONSIDERED USING THE HORIZONTAL FLOW ALGORITHM, BOTH PROPOSED RETENTION AREAS SUBSTANTIALLY RECOVER THEIR RETAINED TREATMENT VOLUME DEPTH (0.90') IN THE REQUIRED 72 HOUR PERIOD. REFER TO THE STORM WISE SIMULATION INPUTS AND RESULTS FOR MORE INFORMATION.
HYDRAULIC CONDUCTIVITY VALUE OBTAINED FROM NRCS SOIL DATA.

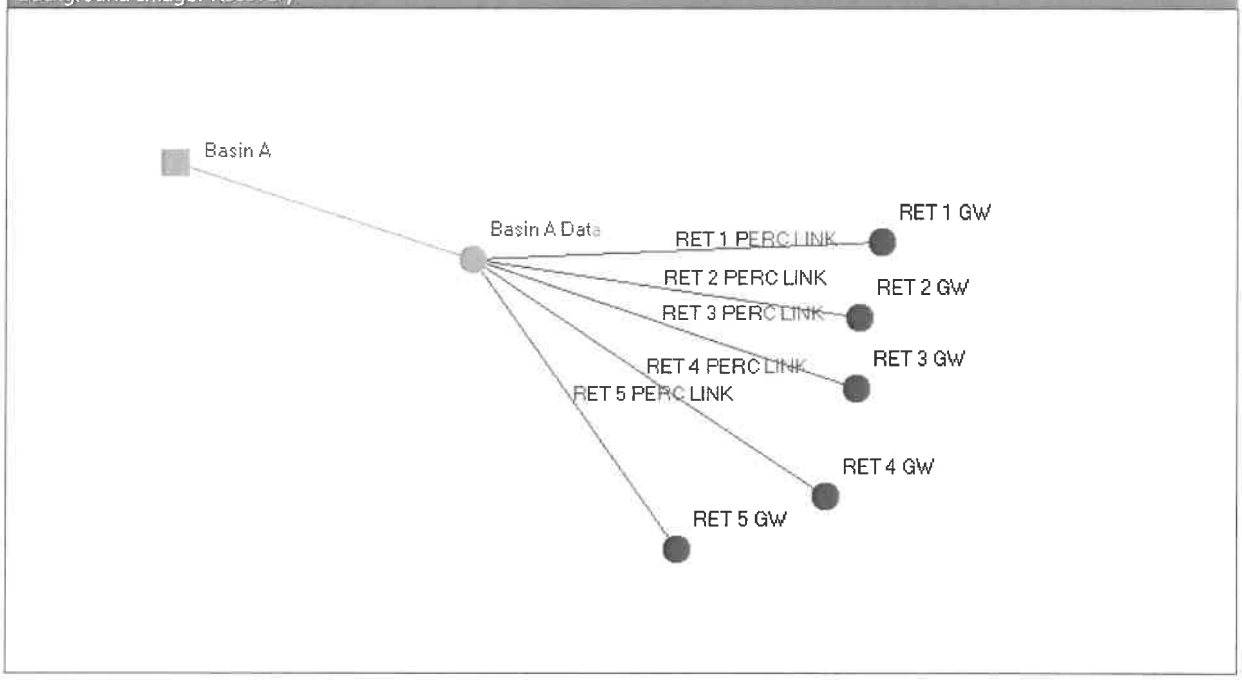


G:\NAUSTIN\25-135 Retention Recovery Analysis.dwg, CONCEPT A, 4/6/2026 10:36:40 AM, 2025 Avalon Engineering Inc., 2025 Avalon Engineering Inc.

Background Image: NETWORK



Background Image: Recovery



Simulation: 500 YR 3 DAY Zero Discharge

Scenario: NO OFF-SITE Q
Run Date/Time: 4/13/2026 4:13:42 PM
Program Version: StormWise 4.08.03

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	360.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	60.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	60.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: site

Green-Ampt Set:
Vertical Layers Set:
Impervious Set: site

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft

Link Optimizer Tol: 0.0001 ft

IA Recovery Time: 24.0000 hr

Ia/S: 0.20 dec

Smp/Man Basin Rain Opt: Global

Rainfall Name: ~SFWMD-72
Rainfall Amount: 18.40 in
Storm Duration: 72.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

Simulation: RECOVERY SIM

Scenario: RECOVERY SIM
Run Date/Time: 4/13/2026 4:14:18 PM
Program Version: StormWise 4.08.03

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	72.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	60.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	60.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: site

Green-Ampt Set:
Vertical Layers Set:
Impervious Set: site

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft

Link Optimizer Tol: 0.0001 ft

IA Recovery Time: 24.0000 hr

Ia/S: 0.20 dec

Smp/Man Basin Rain Opt: No Rainfall

Dflt Damping (1D): 0.0050 ft
Min Node Srf Area 100 ft2

(1D):
Energy Switch (1D): Energy

Comment:

Simulation: 10 YR 1 Day

Scenario: STANDARD Q
Run Date/Time: 4/13/2026 4:14:27 PM
Program Version: StormWise 4.08.03

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	36.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	60.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	60.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: site

Green-Ampt Set:
Vertical Layers Set:
Impervious Set: site

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec	Ia/S:	0.20 dec
dZ Tolerance:	0.0010 ft		
Max dZ:	1.0000 ft	Smp/Man Basin Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft		
		Rainfall Name:	~FLMOD
		Rainfall Amount:	6.79 in
		Storm Duration:	24.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: 25 YR 3 DAY

Scenario: STANDARD Q
Run Date/Time: 4/13/2026 4:14:32 PM
Program Version: StormWise 4.08.03

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	360.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	60.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	60.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: site

Green-Ampt Set:
Vertical Layers Set:
Impervious Set: site

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft

Link Optimizer Tol: 0.0001 ft

IA Recovery Time: 24.0000 hr

Ia/S: 0.20 dec

Smp/Man Basin Rain Opt: Global

Rainfall Name: ~SFWMD-72
Rainfall Amount: 10.60 in
Storm Duration: 72.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

Impervious: site [Set]

Land Cover Zone	% Impervious	% DCIA	% Direct	Ia/S [dec]	Ia Impervious [in]	Ia Pervious [in]
site	0.00	0.00	0.00	0.00	0.000	0.000

Curve Number: site [Set]

Land Cover Zone	Soil Zone	Curve Number [dec]

Land Cover Zone	Soil Zone	Curve Number [dec]
site	site	89.0

Manual Basin: Basin A

Scenario: NO OFF-SITE Q
Node: Basin A Data
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 32.1000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 4.2500 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
4.2500	site	site	

Comment:

Manual Basin: Basin A

Scenario: RECOVERY SIM
Node: Basin A Data
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 32.1000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 4.2500 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
4.2500	site	site	

Comment:

Manual Basin: Basin A

Scenario: STANDARD Q
Node: Basin A Data
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 32.1000 min
Max Allowable Q: 0.00 cfs

Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 4.2500 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
4.2500	site	site	

Comment:

Node: Basin A Data

Scenario: NO OFF-SITE Q
Type: Stage/Volume
Base Flow: 0.00 cfs
Initial Stage: 18.80 ft
Warning Stage: 99.00 ft
Alert Stage: 0.00 ft

Stage [ft]	Volume [ac-ft]	Volume [ft3]
18.80	0.00	0
19.30	0.00	0
19.80	0.11	4792
20.30	0.34	14810
20.80	0.61	26572
21.30	0.93	40511
21.80	1.30	56628
22.30	1.79	77972
22.80	2.71	118048
23.30	4.28	186437
23.80	6.27	273121
24.30	8.38	365033
24.80	10.50	457380
25.30	12.61	549292
25.80	14.72	641203

Comment:

Node Max Conditions w/ Times [NO OFF-SITE Q]

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
Basin A Data	500 YR 3 DAY	99.00	0.00	23.73	0.0010	20.58	0.00	175483	75.2057	59.9029	60.2170	0.0000

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
	Zero Discharge											

Node: Basin A Data

Scenario: RECOVERY SIM
Type: Stage/Volume
Base Flow: 0.00 cfs
Initial Stage: 20.70 ft
Warning Stage: 99.00 ft
Alert Stage: 0.00 ft

Stage [ft]	Volume [ac-ft]	Volume [ft3]
18.80	0.00	0
19.30	0.00	0
19.80	0.11	4792
20.30	0.34	14810
20.80	0.61	26572
21.30	0.93	40511
21.80	1.30	56628
22.30	1.79	77972
22.80	2.71	118048
23.30	4.28	186437
23.80	6.27	273121
24.30	8.38	365033
24.80	10.50	457380
25.30	12.61	549292
25.80	14.72	641203

Comment:

Node Max Conditions w/ Times [RECOVERY SIM]

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
Basin A	RECOV	99.00	0.00	20.70	-0.0010	0.00	157.51	24914	0.0000	0.5926	0.0000	0.0000

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
Data	ERY SIM											

Node: RET 1 GW

Scenario: RECOVERY SIM
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 18.80 ft
Warning Stage: 999.00 ft
Alert Stage: 0.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	18.80
0	0	0	360.0000	18.80

Comment:

Node Max Conditions w/ Times [RECOVERY SIM]

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
RET 1 GW	RECOVERY SIM	999.00	0.00	18.80	0.0000	6.91	0.00	0	0.0000	0.0000	0.0000	0.0000

Node: RET 2 GW

Scenario: RECOVERY SIM
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 18.80 ft
Warning Stage: 999.00 ft
Alert Stage: 0.00 ft

Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	18.80
0	0	0	360.0000	18.80

Comment:

Node Max Conditions w/ Times [RECOVERY SIM]

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
RET 2 GW	RECOVERY SIM	999.00	0.00	18.80	0.0000	73.57	0.00	0	0.0000	0.0000	0.0000	0.0000

Node: RET 3 GW

Scenario: RECOVERY SIM
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 18.80 ft
Warning Stage: 999.00 ft
Alert Stage: 0.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	18.80
0	0	0	360.0000	18.80

Comment:

Node Max Conditions w/ Times [RECOVERY SIM]

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
RET 3	RECOV	999.00	0.00	18.80	0.0000	37.31	0.00	0	0.0000	0.0000	0.0000	0.0000

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
GW	ERY SIM											

Node: RET 4 GW

Scenario: RECOVERY SIM
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 18.80 ft
Warning Stage: 999.00 ft
Alert Stage: 0.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	18.80
0	0	0	360.0000	18.80

Comment:

Node Max Conditions w/ Times [RECOVERY SIM]

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
RET 4 GW	RECOVERY SIM	999.00	0.00	18.80	0.0000	35.23	0.00	0	0.0000	0.0000	0.0000	0.0000

Node: RET 5 GW

Scenario: RECOVERY SIM
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 18.80 ft
Warning Stage: 999.00 ft
Alert Stage: 0.00 ft

Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	18.80
0	0	0	360.0000	18.80

Comment:

Node Max Conditions w/ Times [RECOVERY SIM]

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
RET 5 GW	RECOVERY SIM	999.00	0.00	18.80	0.0000	4.49	0.00	0	0.0000	0.0000	0.0000	0.0000

Node: Basin A Data

Scenario: STANDARD Q
Type: Stage/Volume
Base Flow: 0.00 cfs
Initial Stage: 18.80 ft
Warning Stage: 99.00 ft
Alert Stage: 0.00 ft

Stage [ft]	Volume [ac-ft]	Volume [ft3]
18.80	0.00	0
19.30	0.00	0
19.80	0.11	4792
20.30	0.34	14810
20.80	0.61	26572
21.30	0.93	40511
21.80	1.30	56628
22.30	1.79	77972
22.80	2.71	118048
23.30	4.28	186437
23.80	6.27	273121
24.30	8.38	365033
24.80	10.50	457380
25.30	12.61	549292
25.80	14.72	641203

Comment:

Node Max Conditions w/ Times [STANDARD Q]

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
Basin A Data	10 YR 1 Day	99.00	0.00	22.30	0.0010	9.20	0.22	61880	33.3568	11.0665	12.2999	14.4198
Basin A Data	25 YR 3 DAY	99.00	0.00	23.07	0.0010	11.64	0.34	133353	72.3968	6.7652	60.2161	88.2884

Node: Outfall

Scenario: STANDARD Q
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 18.80 ft
Warning Stage: 99.00 ft
Alert Stage: 0.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	18.80
0	0	0	24.0000	22.50
0	0	0	72.0000	21.50
0	0	0	96.0000	20.50
0	0	0	180.0000	18.80
0	0	0	360.0000	18.80

Comment:

Node Max Conditions w/ Times [STANDARD Q]

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
Outfall	10 YR 1 Day	99.00	0.00	22.50	0.0013	0.22	0.12	0	24.0068	0.7277	14.4198	24.0151
Outfall	25 YR 3 DAY	99.00	0.00	22.50	0.0013	0.34	0.31	0	24.0045	0.7277	88.2884	24.0212

Percolation Link: RET 1 PERC LINK

Scenario:	RECOVERY SIM	Surface Area Option:	User Specified
From Node:	Basin A Data	Bottom Elevation:	19.80 ft
To Node:	RET 1 GW	Surface Area:	0.0200 ac
Link Count:	1	Vertical Flow Termination:	Horizontal Flow Algorithm
Flow Direction:	Both	Perimeter 1:	225.00 ft
Aquifer Base Elevation:	0.00 ft	Perimeter 2:	417.00 ft
Water Table Elevation:	18.80 ft	Perimeter 3:	461.00 ft
Annual Recharge Rate:	0 ipy	Distance P1 to P2:	50.00 ft
Horizontal Conductivity:	8.610 fpd	Distance P2 to P3:	150.00 ft
Vertical Conductivity:	8.610 fpd	# of Cells P1 to P2:	10
Fillable Porosity:	0.200	# of Cells P2 to P3:	15
Layer Thickness:	1.00 ft		

Comment:

Percolation Link: RET 2 PERC LINK

Scenario:	RECOVERY SIM	Surface Area Option:	User Specified
From Node:	Basin A Data	Bottom Elevation:	19.80 ft
To Node:	RET 2 GW	Surface Area:	0.2130 ac
Link Count:	1	Vertical Flow Termination:	Horizontal Flow Algorithm
Flow Direction:	Both	Perimeter 1:	914.00 ft
Aquifer Base Elevation:	0.00 ft	Perimeter 2:	931.00 ft
Water Table Elevation:	18.80 ft	Perimeter 3:	952.00 ft
Annual Recharge Rate:	0 ipy	Distance P1 to P2:	50.00 ft
Horizontal Conductivity:	8.610 fpd	Distance P2 to P3:	150.00 ft
Vertical Conductivity:	8.610 fpd	# of Cells P1 to P2:	10
Fillable Porosity:	0.200	# of Cells P2 to P3:	15
Layer Thickness:	1.00 ft		

Comment:

Percolation Link: RET 3 PERC LINK

Scenario:	RECOVERY SIM	Surface Area Option:	User Specified
From Node:	Basin A Data	Bottom Elevation:	19.80 ft
To Node:	RET 3 GW	Surface Area:	0.1080 ac
Link Count:	1	Vertical Flow Termination:	Horizontal Flow Algorithm
Flow Direction:	Both	Perimeter 1:	689.00 ft
Aquifer Base Elevation:	0.00 ft	Perimeter 2:	834.00 ft
Water Table Elevation:	18.80 ft	Perimeter 3:	895.00 ft
Annual Recharge Rate:	0 ipy	Distance P1 to P2:	50.00 ft
Horizontal Conductivity:	8.610 fpd	Distance P2 to P3:	150.00 ft
Vertical Conductivity:	8.610 fpd	# of Cells P1 to P2:	10
Fillable Porosity:	0.200	# of Cells P2 to P3:	15
Layer Thickness:	1.00 ft		

Comment:

Percolation Link: RET 4 PERC LINK

Scenario:	RECOVERY SIM	Surface Area Option:	User Specified
From Node:	Basin A Data	Bottom Elevation:	19.80 ft
To Node:	RET 4 GW	Surface Area:	0.1020 ac
Link Count:	1	Vertical Flow Termination:	Horizontal Flow Algorithm
Flow Direction:	Both	Perimeter 1:	432.00 ft
Aquifer Base Elevation:	0.00 ft	Perimeter 2:	464.00 ft
Water Table Elevation:	18.80 ft	Perimeter 3:	507.00 ft
Annual Recharge Rate:	0 ipy	Distance P1 to P2:	50.00 ft
Horizontal Conductivity:	8.610 fpd	Distance P2 to P3:	150.00 ft
Vertical Conductivity:	8.610 fpd	# of Cells P1 to P2:	10
Fillable Porosity:	0.200	# of Cells P2 to P3:	15
Layer Thickness:	1.00 ft		

Comment:

Percolation Link: RET 5 PERC LINK

Scenario:	RECOVERY SIM	Surface Area Option:	User Specified
From Node:	Basin A Data	Bottom Elevation:	19.80 ft
To Node:	RET 5 GW	Surface Area:	0.0130 ac
Link Count:	1	Vertical Flow Termination:	Horizontal Flow Algorithm
Flow Direction:	Both	Perimeter 1:	421.00 ft
Aquifer Base Elevation:	0.00 ft	Perimeter 2:	489.00 ft
Water Table Elevation:	18.80 ft	Perimeter 3:	596.00 ft
Annual Recharge Rate:	0 ipy	Distance P1 to P2:	50.00 ft
Horizontal Conductivity:	8.610 fpd	Distance P2 to P3:	150.00 ft
Vertical Conductivity:	8.610 fpd	# of Cells P1 to P2:	10
Fillable Porosity:	0.200	# of Cells P2 to P3:	15
Layer Thickness:	1.00 ft		

Comment:

Drop Structure Link: CS-1

		Upstream Pipe		Downstream Pipe	
Scenario:	STANDARD Q	Invert:	18.80 ft	Invert:	18.70 ft
From Node:	Basin A Data	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Pipe Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	50.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0	Op Table:		Op Table:	
Exit Loss Coef:	0	Ref Node:		Ref Node:	
Bend Loss Coef:	0	Manning's N:	0.0000	Manning's N:	0.0000

Bend Location: 0.00 dec
Energy Switch: Energy

Pipe Comment:

Weir Component

Weir:	1
Weir Count:	1
Weir Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Sharp Crested Vertical
Geometry Type:	Circular
Invert:	20.70 ft
Control Elevation:	18.80 ft
Max Depth:	0.25 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions with Times [STANDARD Q]

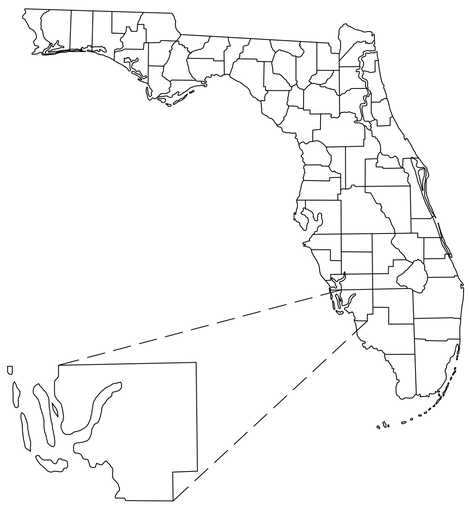
Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
CS-1 - Pipe	10 YR 1 Day	0.22	-0.12	0.00	0.00	0.00	14.4198	24.0151	22.0235	0.0000	0.0000
CS-1 - Weir: 1	10 YR 1 Day	0.22	-0.12	-0.01	0.00	0.00	14.4135	23.9985	21.9651	0.0000	0.0000
CS-1 - Pipe	25 YR 3 DAY	0.34	-0.31	0.00	0.00	0.00	88.2884	24.0212	52.6795	0.0000	0.0000
CS-1 - Weir: 1	25 YR 3 DAY	0.34	-0.31	0.00	0.00	0.00	88.2718	24.0045	52.6795	0.0000	0.0000

Sim	Node Name	Relative Time [hrs]	Stage [ft]
RECOVERY SIM	Basin A Data	0.0000	20.70
RECOVERY SIM	Basin A Data	1.0016	20.35
RECOVERY SIM	Basin A Data	2.0003	20.24
RECOVERY SIM	Basin A Data	3.0003	20.16
RECOVERY SIM	Basin A Data	4.0003	20.10
RECOVERY SIM	Basin A Data	5.0003	20.05
RECOVERY SIM	Basin A Data	6.0003	20.00
RECOVERY SIM	Basin A Data	7.0003	19.96
RECOVERY SIM	Basin A Data	8.0003	19.92
RECOVERY SIM	Basin A Data	9.0003	19.89
RECOVERY SIM	Basin A Data	10.0003	19.86
RECOVERY SIM	Basin A Data	11.0003	19.83
RECOVERY SIM	Basin A Data	12.0003	19.81
RECOVERY SIM	Basin A Data	13.0003	19.80
RECOVERY SIM	Basin A Data	14.0003	19.80
RECOVERY SIM	Basin A Data	15.0003	19.80
RECOVERY SIM	Basin A Data	16.0003	19.80
RECOVERY SIM	Basin A Data	17.0003	19.80
RECOVERY SIM	Basin A Data	18.0003	19.80
RECOVERY SIM	Basin A Data	19.0003	19.80
RECOVERY SIM	Basin A Data	20.0003	19.80
RECOVERY SIM	Basin A Data	21.0003	19.80
RECOVERY SIM	Basin A Data	22.0003	19.80
RECOVERY SIM	Basin A Data	23.0003	19.80
RECOVERY SIM	Basin A Data	24.0003	19.80
RECOVERY SIM	Basin A Data	25.0003	19.80
RECOVERY SIM	Basin A Data	26.0003	19.80
RECOVERY SIM	Basin A Data	27.0003	19.80
RECOVERY SIM	Basin A Data	28.0003	19.80
RECOVERY SIM	Basin A Data	29.0003	19.80
RECOVERY SIM	Basin A Data	30.0003	19.80
RECOVERY SIM	Basin A Data	31.0003	19.80
RECOVERY SIM	Basin A Data	32.0003	19.80
RECOVERY SIM	Basin A Data	33.0003	19.80
RECOVERY SIM	Basin A Data	34.0003	19.80
RECOVERY SIM	Basin A Data	35.0003	19.80
RECOVERY SIM	Basin A Data	36.0003	19.80
RECOVERY SIM	Basin A Data	37.0003	19.80
RECOVERY SIM	Basin A Data	38.0003	19.80
RECOVERY SIM	Basin A Data	39.0003	19.80
RECOVERY SIM	Basin A Data	40.0003	19.80
RECOVERY SIM	Basin A Data	41.0003	19.80

Sim	Node Name	Relative Time [hrs]	Stage [ft]
RECOVERY SIM	Basin A Data	42.0003	19.80
RECOVERY SIM	Basin A Data	43.0003	19.80
RECOVERY SIM	Basin A Data	44.0003	19.80
RECOVERY SIM	Basin A Data	45.0003	19.80
RECOVERY SIM	Basin A Data	46.0003	19.80
RECOVERY SIM	Basin A Data	47.0003	19.80
RECOVERY SIM	Basin A Data	48.0003	19.80
RECOVERY SIM	Basin A Data	49.0003	19.80
RECOVERY SIM	Basin A Data	50.0003	19.80
RECOVERY SIM	Basin A Data	51.0003	19.80
RECOVERY SIM	Basin A Data	52.0003	19.80
RECOVERY SIM	Basin A Data	53.0003	19.80
RECOVERY SIM	Basin A Data	54.0003	19.80
RECOVERY SIM	Basin A Data	55.0003	19.80
RECOVERY SIM	Basin A Data	56.0003	19.80
RECOVERY SIM	Basin A Data	57.0003	19.80
RECOVERY SIM	Basin A Data	58.0003	19.80
RECOVERY SIM	Basin A Data	59.0003	19.80
RECOVERY SIM	Basin A Data	60.0003	19.80
RECOVERY SIM	Basin A Data	61.0003	19.80
RECOVERY SIM	Basin A Data	62.0003	19.80
RECOVERY SIM	Basin A Data	63.0003	19.80
RECOVERY SIM	Basin A Data	64.0003	19.80
RECOVERY SIM	Basin A Data	65.0003	19.80
RECOVERY SIM	Basin A Data	66.0003	19.80
RECOVERY SIM	Basin A Data	67.0003	19.80
RECOVERY SIM	Basin A Data	68.0003	19.80
RECOVERY SIM	Basin A Data	69.0003	19.80
RECOVERY SIM	Basin A Data	70.0003	19.80
RECOVERY SIM	Basin A Data	71.0003	19.80
RECOVERY SIM	Basin A Data	72.0003	19.80

MAP OF SURVEY

LOTS 8, 9, 10, 11, 12, 14, 15, 16 AND WEST 1/2 OF LOT 13,
BLOCK 23, UNIT 7 "LEHIGH ACRES" PB. 15, PG. 32
SECTION 22, TOWNSHIP 44 SOUTH, RANGE 27 EAST
LEE COUNTY, FLORIDA



LEE COUNTY
FLORIDA



LOCATION MAP
(NOT TO SCALE)

INFORMATION OF FACT

1. THIS SURVEY AND PLAN IS BASED UPON THE FOLLOWING DATA AND/OR EXCEPTIONS:

	YES	NO	ITEM
A.) OWNER	X		AILEEN BERNACET, ALBERTO C. PEREZ, BETTY W. MCDANIEL, DAVIS YASLIN, HERMA SIMPSON BROWN, JAJ DONG HOMES INC., LLOYD E. GOULBOURNE, MICHAEL MOWRY, MILAGROS PABON, ORVILLE A. LYTTLE, SHERESE MOWRY, WILLIE L. MCDANIEL, WILLIAM PETROVICH
B.) DEED OF RECORD	X		INSTRUMENT NUMBERS: 2012000225370, 2020000152398, 2021000146652, 2021000410747 & OFFICIAL RECORD BOOK AND PAGES: ORB 2122, PG 1145; ORB 4461, PG 1486; ORB 4707, PG 217; ORB 4710, PG 3531; ORB 4461, PG 1486
C.) FIELD SURVEY	X		FIELD LOCATED ON 01/26/2026
D.) PLAT	X		SECTION 22, TOWNSHIP 44 SOUTH, RANGE 27 EAST, LEHIGH ACRES, PLAT BOOK 15, PAGE 32
E) TITLE REPORT		X	
F.) OTHER (SEE REFERENCES)		X	

2. CERTIFIED TO :

   HENDERSON, FRANKLIN, STARNES & HOLT, P.A.
   LEE COUNTY ELECTRIC COOPERATIVE INC.
   OLD REPUBLIC NATIONAL TITLE INSURANCE COMPANY

3. PROPERTY KNOWN AS: LOTS 8, 9, 10, 11, 12, 14, 15, 16 AND THE WEST 1/2 OF LOT 13 OF BLOCK 23, UNIT 7, SECTION 22, TOWNSHIP 44 SOUTH, RANGE 27 EAST, LEHIGH ACRES, ACCORDING TO THE MAP OR PLAT THEREOF AS RECORDED IN PLAT BOOK 15, PAGE 32 OF THE PUBLIC RECORDS OF LEE COUNTY, FLORIDA

4. TOTAL PROJECT AREA IS:
   185,144.11± SQ. FT. / 4.25± ACRES.

5. THIS IS TO CERTIFY THAT, TO THE BEST OF MY KNOWLEDGE AND BELIEF, THIS MAP OR PLAN IS THE RESULT OF A FIELD SURVEY PERFORMED ON JUNE 02, 2025, BY ME OR UNDER MY DIRECT SUPERVISION, IN ACCORDANCE WITH THE RULES AND REGULATIONS PROMULGATED BY THE "FLORIDA BOARD OF SURVEYORS AND MAPPERS." THE INFORMATION DEPICTED HEREON, CORRECTLY REPRESENTS THE CONDITIONS FOUND AT, AND AS OF THE DATE OF THE FIELD SURVEY, EXCEPT SUCH IMPROVEMENTS OR EASEMENTS, IF ANY BELOW THE SURFACE AND NOT VISIBLE. ACCORDINGLY THE UNDERSIGNED PROFESSIONAL IS NOT RESPONSIBLE FOR THE PRESENCE OF UNDERGROUND UTILITIES OR STRUCTURES, IF SAME ARE NOT VISIBLE OR OTHERWISE DISCLOSED BY ANY AFOREMENTIONED DATA LISTED ABOVE.

6. THE USE OF THE WORD "CERTIFY" OR "CERTIFICATION" CONSTITUTES AN EXPRESSION OF PROFESSIONAL OPINION REGARDING THOSE FACTS OR FINDINGS WHICH ARE THE SUBJECT OF THE UNDERSIGNED PROFESSIONAL'S KNOWLEDGE, INFORMATION, AND BELIEF, AND IN ACCORDANCE WITH THE COMMONLY ACCEPTED PROCEDURE CONSISTENT WITH THE APPLICABLE STANDARDS OF PRACTICE, AND DOES NOT CONSTITUTE A WARRANTY OR GUARANTEE EITHER EXPRESSED OR IMPLIED.

7. HORIZONTAL DATUM = FLORIDA STATE PLANE COORDINATE SYSTEM (FL S.P.C.S.) WAS ESTABLISHED AT THE PROJECT SITE BASED ON GPS OBSERVATIONS USING TRIMBLE VRS NETWORK REAL TIME SOLUTION.

8. VERTICAL DATUM = VERTICAL ELEVATIONS SHOWN HEREON ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988(NAVD88).

9. THE UNDERSIGNED PROFESSIONAL IS NOT QUALIFIED TO DETERMINE THE EXISTENCE OR NONEXISTENCE OF WETLANDS AND/OR TOXIC WASTES. THEREFORE IT SHOULD NOT BE ASSUMED OR CONSTRUED THAT ANY STATEMENT IS BEING MADE BY THE FACT THAT NO EVIDENCE OF WETLANDS OR TOXIC WASTES IS PORTRAYED HEREON. IT IS IN THE BEST INTEREST OF THE CLIENT TO PURSUE THESE MATTERS AS SEPARATE CONCERNS APART FROM THIS SURVEY.

10. THIS SURVEY DOES NOT CONSTITUTE A TITLE SEARCH BY THE SURVEYOR AND NO TITLE REPORT WAS PROVIDED TO COLLIERS ENGINEERING & DESIGN TO CONFIRM ANY INFORMATION REGARDING RECORD EASEMENTS, ADJOINERS, AND OTHER DOCUMENTS THAT MIGHT AFFECT THE PROPERTY SHOWN HEREON.

11. THE PARCEL SHOWN HEREON LIES IN FLOOD ZONES "X", PER THE FLOOD RATE MAP FOR LEE COUNTY, FLORIDA MAP NUMBER 12071C0338F, WITH AN EFFECTIVE DATE OF 8/28/2008 AS ESTABLISHED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA)

11. THIS PLAN IS MADE FOR AND CERTIFIED TO THE PARTIES NAMED HEREON FOR THE PURPOSE(S) STATED. NO OTHER PURPOSE IS INTENDED NOR IMPLIED. THE UNDERSIGNED PROFESSIONAL IS NEITHER RESPONSIBLE NOR LIABLE FOR THE USE OF THIS PLAN BEYOND ITS INTENDED PURPOSE.

12. BASIS OF BEARINGS: THE SOUTH BOUNDARY LINE OF LOT 12, BLOCK 23, UNIT 7, ALSO BEING THE NORTHERLY RIGHT OF WAY LINE OF EAST 10TH STREET PER "LEHIGH ACRES" PLAT BOOK 15, PAGE 32, SAID BEARING BEING SOUTH 88°48'11" WEST.

13. PARCEL(S) SHOWN HEREON APPEAR TO BE AFFECTED BY OIL, GAS, MINERAL, AND OTHER SUBSURFACE RIGHTS, INCLUDING INGRESS AND EGRESS PER OFFICIAL RECORD BOOK 4516, PAGES 2118 - 2143.

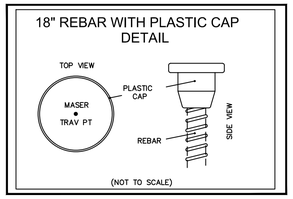
14. NO OBVIOUS/VISIBLE EVIDENCE OF INGRESS/EGRESS OR RECREATIONAL USE OF THE PARCEL(S) IN QUESTION OBSERVED AT THE TIME OF FIELD DATA COLLECTION.

LEGAL DESCRIPTION

LOTS 8, 9, 10, 11, 12, 14, 15, 16 AND THE WEST 1/2 OF LOT 13, BLOCK 23, UNIT 7, SECTION 22, TOWNSHIP 44 SOUTH, RANGE 27 EAST, LEHIGH ACRES, ACCORDING TO THE MAP OR PLAT THEREOF AS RECORDED IN PLAT BOOK 15, PAGE 32 OF THE PUBLIC RECORDS OF LEE COUNTY, FLORIDA

LEGEND

- ⊕ – INDICATES MAG NAIL & DISK FOUND, UNLESS OTHERWISE NOTED
- ● – INDICATES REBAR W/ CAP FOUND, UNLESS OTHERWISE NOTED
- ■ – INDICATES CONCRETE MONUMENT FOUND
- ⚠ – INDICATES REBAR W/ CAP OR MAG NAIL SET, UNLESS OTHERWISE NOTED



A/C	AIR CONDITIONING	(C&M)	CALCULATED AND MEASURED	FEMA	FEDERAL EMERGENCY MANAGEMENT AGENCY	LP	LIGHT POLE	NAVD	NORTH AMERICAN VERTICAL DATUM	P.B.	PLAT BOOK
BFP	BACK FLOW PREVENTER	DWG.	DRAWING	FMON	FOUND CONCRETE MONUMENT	LB.	LICENCE BUSINESS	NO.	NUMBER	P.O.C.	POINT OF COMMENCEMENT
BW	BOTTOM OF WALL	(D)	DEED	F.D.C.	FIRE DEPARTMENT CONNECTION	L	LEGAL	NSPS	NATIONAL SOCIETY OF PROFESSIONAL SURVEYORS	P.O.B.	POINT OF BEGINNING
BOL	BOLLARDS	EM	ELECTRIC METER	FF	FINISH FLOOR	MAG&D	MAG NAIL & DISK	NGS	NATIONAL GEODETIC SURVEY	PCP	PERMANENT CONTROL POINT
BOC	BACK OF CURB	EP	EDGE OF PAVEMENT	GRT.	GRATE	MES	MITERED END SECTION	N.C.F.S.	NO CORNER FOUND OR SET	PSM	PROFESSIONAL SURVEY MAPPERS
BLDG	BUILDING	ELEC.	ELECTRIC	GM	GAS METER	MHD	MANHOLE DRAIN	O.R.B.	OFFICIAL RECORDS BOOK	PVC	POLYVINYL CONDUIT
CMP	CORRUGATED METAL PIPE	ELEV.	ELEVATION	INV.	INVERT	MB	MAILBOX	OHW	OVERHEAD WIRE	PRM	PERMANENT REFERENCE MONUMENT
CONC.	CONCRETE	ENC	ENCROACHING	ID	IDENTIFICATION	MON	MONUMENT	PG.	PAGE	REG.	REGISTER
(C)	CALCULATED	EBX	ELECTRICAL BOX	ICV	IRRIGATION CONTROL VALVE	MHS	MANHOLE SANITARY			RCP	REINFORCED CONCRETE PIPE
CLF	CHAIN LINK FENCE					MW	MONITORING WELL			SQ.FT.	SQUARE FEET
						MHGT	MANHOLE GREASE TRAP				

SV	SEWER VALVE	OAK TREE	CO	CLEANOUTS	FL	FUEL MANHOLE	FO	UNDERGROUND FIBER OPTIC
TEPED	TELEPHONE PEDESTAL	PALM TREE	D	STORM MANHOLE	T	TRAFFIC LIGHT	E	UNDERGROUND ELECTRIC
TYP.	TYPICAL	ELM TREE	W	GRATE INLET	L	LIGHT POLE	G	UNDERGROUND GAS
TRANS	TRANSFORMER	UNKNOWN TREE		WATER VALVE	FO	FIBER OPTIC MARKER	W	UNDERGROUND WATER
UNK.	UNKNOWN	PINE TREE		SIGN	CABX	CABLE BOX	U	UNDERGROUND UNKNOWN
UP	UTILITY POLE			MANHOLE ELECTRIC	5	PARKING STALL		
WBF	WOOD BOARD FENCE			PEDESTRIAN SIGNAL				
WPB	WIRED PULL BOX			FIRE HYDRANT				
WV	WATER VALVE							
WM	WATER METER							
YD	YARD DRAIN							

BOUNDARY & TOPOGRAPHIC SURVEY
NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL
OF A FLORIDA LICENSED SURVEYOR AND MAPPER

SURVEYOR'S CERTIFICATE

THIS CERTIFIES THAT THE SURVEY REPRESENTED HEREON WAS PERFORMED UNDER MY DIRECT SUPERVISION AND MEETS THE STANDARDS OF PRACTICE SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL LAND SURVEYORS CHAPTER 5J-17, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUES, AND THAT THE SKETCH HEREON IS A TRUE AND ACCURATE REPRESENTATION THEREOF TO THE BEST OF MY KNOWLEDGE AND BELIEF, SUBJECT TO NOTES AND NOTATIONS SHOWN HEREON.

DATE OF FIELD SURVEY: 01/27/2026.

ROBERT W. ALTMAN - PROFESSIONAL SURVEYOR AND MAPPER
FLORIDA CERTIFICATION NO. LS7062

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

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PROTECT YOURSELF
ALL STATES REQUIRE NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN ANY STATE
FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL811.COM

REV	DATE	DRAWN BY	DESCRIPTION
1	01/27/26	JA	TOPO ELEVATION

Robert W Altman
FLORIDA PROFESSIONAL SURVEYOR AND MAPPER
LICENSE NUMBER: LS7062
COLLIERS ENGINEERING & DESIGN, INC.
F.L. License #: LB7388

BOUNDARY & TOPOGRAPHIC SURVEY
FOR
LEE COUNTY ELECTRIC COOPERATIVE INC.
LOTS 8, 9, 10, 11, 12, 14, 15, 16 AND THE WEST 1/2 OF LOT 13 LEHIGH ACRES
SECTION 22, TOWNSHIP 44 SOUTH, RANGE 27 EAST

LEHIGH ACRES
LEE COUNTY
FLORIDA

Colliers Engineering & Design
TAMPA
5471 West Waters Avenue, Suite 100
Tampa, FL 33634
Phone: 813.207.1061
COLLIERS ENGINEERING & DESIGN, INC.

SCALE:	DATE:	DRAWN BY:	CHECKED BY:
AS SHOWN	06/06/2025	JA	RWA

PROJECT NUMBER: 24013181A
DRAWING NAME: V-BASE-TOPO

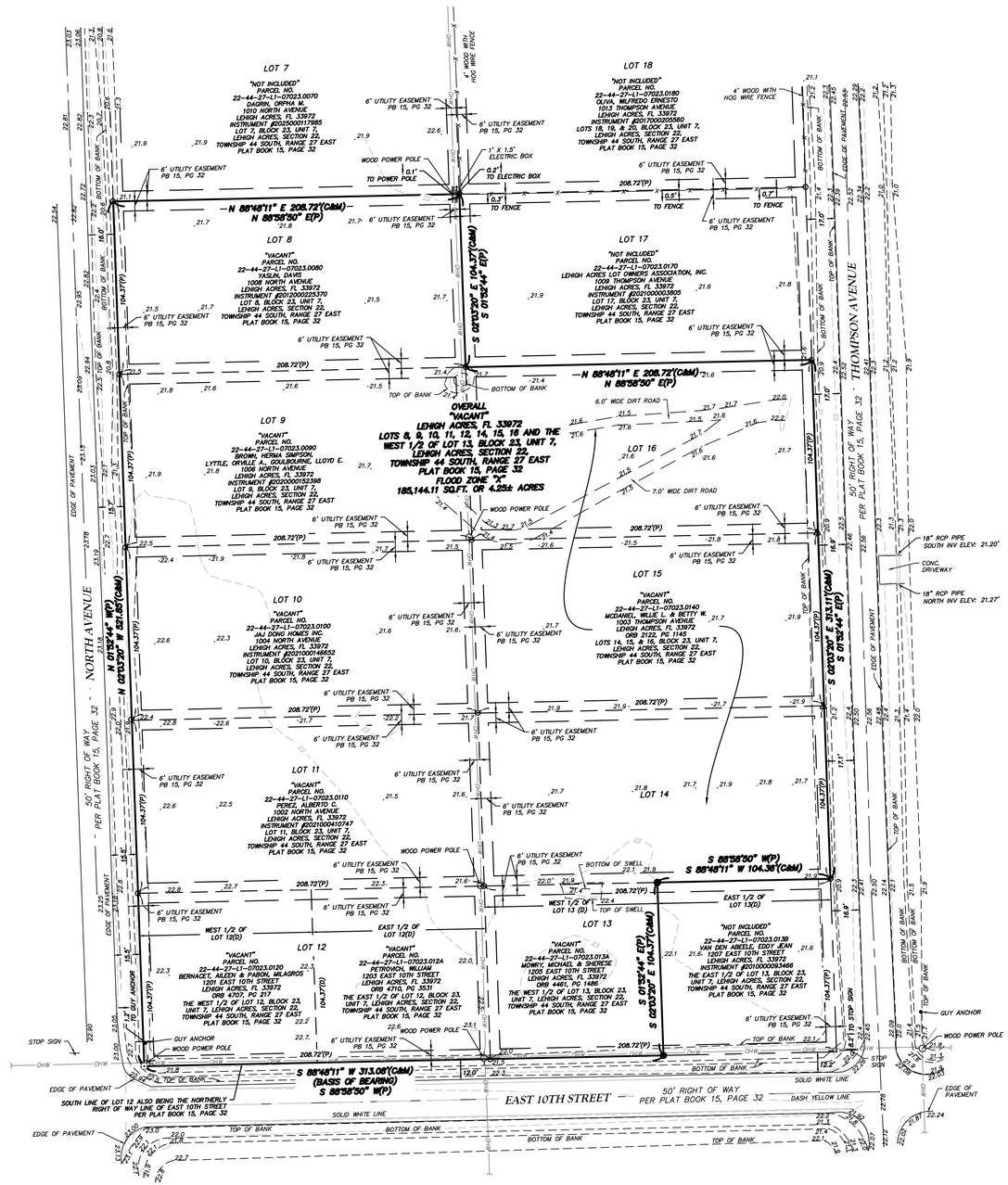
SHEET TITLE: BOUNDARY AND TOPOGRAPHIC SURVEY

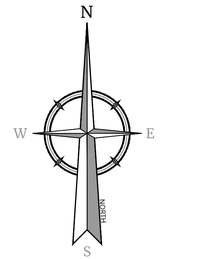
SHEET NUMBER: 1 of 2

20242401318\Survey\Plans\BASE\TOPO.dwg(SHEET 1 By:JOSEPH.ALBERO

MAP OF SURVEY

LOTS 8, 9, 10, 11, 12, 14, 15, 16 AND WEST 1/2 OF LOT 13,
BLOCK 23, UNIT 7 "LEHIGH ACRES" PB. 15, PG. 32
SECTION 22, TOWNSHIP 44 SOUTH, RANGE 27 EAST
LEE COUNTY, FLORIDA





40 0 40 80

SCALE : 1" = 40'
SELECT LINEAR UNIT OF MEASURE

REV	DATE	DRAWN BY	DESCRIPTION
1	01/27/26	JA	TOPO ELEVATION

Colliers Engineering & Design

www.colliersengineering.com

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811 Sunshine State One Call of Florida, Inc.

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BOUNDARY & TOPOGRAPHIC SURVEY

FOR

LEE COUNTY ELECTRIC COOPERATIVE INC.

LOTS 8, 9, 10, 11, 12, 14, 15, 16 AND THE WEST 1/2 OF LOT 13
LEHIGH ACRES
SECTION 22, TOWNSHIP 44 SOUTH, RANGE 27 EAST

LEHIGH ACRES
LEE COUNTY
FLORIDA

Colliers Engineering & Design
TAMPA
5471 West Waters Avenue, Suite 100
Tampa, FL 33634
Phone: 813.207.1061
COLLIERS ENGINEERING & DESIGN, INC.

SCALE:	DATE:	DRAWN BY:	CHECKED BY:
1" = 40'	06/06/2025	JA	RWA

PROJECT NUMBER: 24013181A
DRAWING NAME: V-BASE-TOPO

SHEET TITLE:
BOUNDARY AND TOPOGRAPHIC SURVEY

SHEET NUMBER:
2 of 2

A/C	AIR CONDITIONING	(C&M)	CALCULATED AND MEASURED	FEMA	FEDERAL EMERGENCY MANAGEMENT AGENCY	LP	LIGHT POLE	NAVD	NORTH AMERICAN VERTICAL DATUM	SV	SEWER VALVE
BFP	BACK FLOW PREVENTER	DWG.	DRAWING	FMON	FOUND CONCRETE MONUMENT	LB.	LICENCE BUSINESS	NO.	NUMBER	TEPED	TELEPHONE PEDESTAL
BW	BOTTOM OF WALL	(D)	DEED	F.D.C.	FIRE DEPARTMENT CONNECTION	L	LEGAL	NSPS	NATIONAL SOCIETY OF PROFESSIONAL SURVEYORS	TYP.	TYPICAL
BOL	BOLLARDS	EM	ELECTRIC METER	FF	FINISH FLOOR	MAG&D	MAG NAIL & DISK			TRANS	TRANSFORMER
BOC	BACK OF CURB	EP	EDGE OF PAVEMENT	GRT.	GRATE	MES	MITERED END SECTION	NGS	NATIONAL GEODETIC SURVEY	UNK.	UNKNOWN
BLDG	BUILDING	ELEC.	ELECTRIC	GM	GAS METER	MHD	MANHOLE DRAIN	N.C.F.S.NO	CORNER FOUND OR SET	UP	UTILITY POLE
CMP	CORRUGATED METAL PIPE	ELEV.	ELEVATION	INV.	INVERT	MB	MAILBOX	O.R.B.	OFFICIAL RECORDS BOOK	WBF	WOOD BOARD FENCE
CONC.	CONCRETE	ENC	ENCROACHING	ID	IDENTIFICATION	MON	MONUMENT	OHW	OVERHEAD WIRE	WPB	WIRED PULL BOX
(C)	CALCULATED	EBX	ELECTRICAL BOX	ICV	IRRIGATION CONTROL VALVE	MHS	MANHOLE SANITARY	PG.	PAGE	WV	WATER VALVE
CLF	CHAIN LINK FENCE					MW	MONITORING WELL			WM	WATER METER
						MHGT	MANHOLE GREASE TRAP			YD	YARD DRAIN

LEGEND

P.B.	PLAT BOOK	P.O.C.	POINT OF COMMENCEMENT	P.O.B.	POINT OF BEGINNING	PCP	PERMANENT CONTROL POINT
PSM	PROFESSIONAL SURVEY MAPPERS	PVC	POLYVINYL CONDUIT	PRM	PERMANENT REFERENCE MONUMENT	REG.	REGISTER
RCP	REINFORCED CONCRETE PIPE	SQ.FT.	SQUARE FEET				

OAK TREE
PALM TREE
ELM TREE
UNKNOWN TREE
PINE TREE

CLEANOUTS
STORM MANHOLE
GRATE INLET
WATER VALVE
SIGN
MANHOLE ELECTRIC
PEDESTRIAN SIGNAL
FIRE HYDRANT

FUEL MANHOLE
TRAFFIC LIGHT
LIGHT POLE
FIBER OPTIC MARKER
CABLE BOX
PARKING STALL

FO — UNDERGROUND FIBER OPTIC
E — UNDERGROUND ELECTRIC
G — UNDERGROUND GAS
W — UNDERGROUND WATER
U — UNDERGROUND UNKNOWN

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

20240130 11:18 A:\Survey\Plans\V-BASE-TOPO.dwg SHEET 2 By: JOSEPH.ALBERO

PART IV #26-89

Recommended Action

Engineering Review:

By: _____ 6/16/2026 **Approved** _X_ **Denied** __

District Field Review:

By: _____ **Approved** ___ **Denied** ___

District Manager: _____ **Date**: _____

Comments:

The referenced permit application LCEC North Lehigh Substation, in Lehigh Acres, submitted by Avalon Engineering, Inc., has been reviewed and is recommended for approval with the following stipulations/comments:

1. The permittee shall submit signed and sealed recoded drawings within thirty (30) days of project completion. The drawings must include sufficient detail to demonstrate that the permitted facilities have been constructed in substantial compliance with LA-MSID – approved plans and design.

2. Prior to commencing construction, the permittee shall provide LA-MSID with copies of all applicable permits from other governing agencies.

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

AGENDA ITEM SUMMARY

Subject: PER #26-91 – Shoppes at Lee Blvd – Lot #3 – 5540 Lee Blvd

Meeting Date: July 20, 2026

Agenda Item # 2G

[x] **CONSENT** [ ] **ACTION** [ ] **OLD BUSINESS** [ ] **NEW BUSINESS**

Request Initiated By: [ ] **COMMISSIONER** _____ [ ] **ATTORNEY**

[ ] **BOARD** [x] **MANAGER** [ ] **ENGINEER** [ ] **AUDITOR**

Recommended motion: Move to approve PER #26-91 – Shoppes at Lee Blvd – Lot #3 – 5540 Lee Blvd, with any listed stipulations.

What the action accomplishes: Allows Shoppes at Lee Blvd, to develop a commercial site at 5540 Lee Blvd Lot #3, while certifying on their plans that their stormwater facilities are adequate and able to discharge less than 30 CSM.

Fiscal Impact: Permit Fees: $1,500.00

Staff comments: Approved according to the plans submitted June 8, 2026.

Staff review and recommended approval:

[ ] **MANAGER** [ ] **ASSISTANT DISTRICT MGR**

[ ] **ATTORNEY** [ ] **FIELD DIRECTOR**

[ ] **ENGINEER** [ ] **FINANCE DIRECTOR**

Board Action:

[ ] **APPROVED** [ ] **DENIED** [ ] **DEFERRED**

LEHIGH ACRES - MUNICIPAL SERVICES IMPROVEMENT DISTRICT PERMIT

THIS PERMIT is granted this 20th day of July, 2026, by Lehigh Acres Municipal Services Improvement District (hereinafter referred to as "DISTRICT"), 601 East County Lane, Lehigh Acres, Florida 33936, to MHM Lee Blvd, LLC, 2670 Horseshoe Drive North, Suite 201, Naples, FL 34104, hereinafter referred to as the "Permittee") as a non-exclusive permit for a multi-use commercial development on (1.2 +/- acres), lot #3, located at 5540 Lee Blvd, with a drainage connection to the "Shoppes at Lee Blvd." Master On-Site Detention System that has an existing permitted stormwater outfall to the storm sewer pipe in the NW corner of the Master Commercial Development site that drains to Alvin Canal (46-30-1), in Lehigh Acres, FL.

W I T N E S S E T H:

1. In the event the DISTRICT is not the fee title owner of the real property (the "Property") to which this Permit is applicable, the Permittee agrees, prior to commencement, to obtain all necessary consents from the fee title owners of the Property.

2. This Permit does not constitute a waiver of the necessity by the Permittee to obtain such other necessary and appropriate permits required by other governmental bodies or agencies; therefore the Permittee, prior to commencement, is required to obtain any and all other applicable federal, state, and local permits required in connection with Permittee's use of the Property and agrees that at all times it will comply with the requirements of all federal, state and local laws, ordinances, rules and regulations applicable or pertaining to the use of the Property by the Permittee.

3. Permittee understands and agrees that the use of the Property pursuant to this Permit is subordinate to the rights and interests of the DISTRICT and to the extent applicable that of the fee title owner of the Property. Further, Permittee does hereby stipulate that the Permittee is not relying upon any representations whatsoever by the DISTRICT regarding the DISTRICT'S right, title, interest, or ownership as to the Property for which this Permit is applicable.

4. The Permittee, by accepting this permit, specifically agrees to allow authorized District Personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:
    a. Having access to and copying any records that must be kept under the conditions of the permit:
    b. Reviewing the facility, equipment, practices, or operations regulated or required under this permit; and
    c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or District rules.

5. The DISTRICT specifically reserves the right to maintain its facilities located over, under or upon the Property; to make improvements; add additional facilities; maintain, construct or alter its roads; maintain any facilities, devices, or improvements on the Property which aid in or are necessary to the DISTRICT'S operation; and the right to enter upon the Property at all times for such purposes. Permittee understands that in the exercise of such rights and interest, the DISTRICT may require Permittee, at no cost to DISTRICT, to relocate, alter, or remove the Permittee's facilities and equipment or other improvements made by Permittee pursuant to this Permit which interfere with or prevent the DISTRICT, in the DISTRICT'S opinion, from properly and faithfully constructing, improving and maintaining its facilities. If the Permittee should fail to relocate, alter, or remove the Permittee's facilities, equipment or other improvements made by the Permittee pursuant to this Permit within a reasonable time period following receipt of notice from the DISTRICT requesting same, then in that event the DISTRICT shall have the right to enter upon the lands and make such relocation, alterations or

removal of the Permittee's facilities, equipment/or other improvements at no cost to DISTRICT.

6. Permittee agrees that it will not use the Property in any manner which interferes with the DISTRICT'S use of the Property or causes a hazardous condition to exist.

7. The DISTRICT assumes no responsibility for the ownership, operation and/or maintenance of the Permittee's facilities as permitted herein.

8. The Permittee agrees to backfill any excavation it makes within the Property and to repair or replace (i) any below-grade authorized facilities and features located therein, including but not limited to: water, sewer, stormwater or irrigation facilities, structures or appurtenances and (ii) as to at or above-grade facilities and features, this requirement shall only be applicable to grasses and sod, sidewalks, and roadway improvements (the term roadway improvements shall include but not be limited to curbing, roadway base, sub grade and asphaltic or concrete surfaces) which are removed or damaged as a direct result of said excavation. Such repair or replacement shall substantially restore these features to their condition as it existed immediately prior to the event precipitating the excavation.

9. All below-grade Permittee installations, including water and sewer lines, whether sub aqueous or not, together with appurtenant facilities, shall be located underground and have a minimum ground cover of thirty inches (30") below original design profile grade, including District waterways and roadways.

10. All Permittee activity related to sub aqueous utility, water and/or sewer lines, including appurtenant facilities, shall be conducted in such fashion that the primary functional purpose of the canal or lake body facility, specifically flood control, within which the activity is taking place is not adversely affected. More specifically, sub aqueous construction shall conform to the criteria given in the Lehigh Acres Municipal Services Improvement District (Lehigh Acres – MSID) Administrative Policy and Procedures.

11. Permittee shall, at no expense to DISTRICT and within a reasonable time following notice, adjust the positions and elevations of its facilities as may be required in connection with future improvements to, or construction of, works of the DISTRICT.

12. Permittee does hereby indemnify and hold harmless the DISTRICT, its Board of Commissioners, officers, personnel, and it's Engineers against any claims, losses, damages (including consequential), expenses, or legal fees that might arise out or result from the implementation of the proposed project by the Permittee or that may be caused by a failure of DISTRICT facilities or property.

13. The Permittee shall be obligated at the time of submission of its Permit application, to provide a detail of any other existing improvements located over, under, upon or through the Property and the Permittee's accompanying plans and specifications shall clearly indicate how the Permittee will comply with required clearances between the requested permitted activity and existing improvements located over, under and upon the Property, including compliance with other permitted users duly adopted and published standards.

14. Permittee shall reimburse the DISTRICT for its legal, engineering and other expenses incurred as a result of the implementation of the proposed project.

15. If Permittee should violate any of the terms or conditions of the Permit and shall not correct or remedy same within ten (10) days of receiving written notice of said violation from the DISTRICT, then in that event, the DISTRICT may, at its option, revoke, cancel and terminate this Permit.

16. This Permit may not be assigned by the Permittee without the prior written approval of the DISTRICT.

17. Unless otherwise adjusted, modified or terminated as set forth hereinabove, including the Conditions attached hereto, this Permit shall continue in full force and effect so long as Permittee complies with the terms of this Permit.

18. In any litigation, including breach, enforcement or interpretation arising out of this Permit, the prevailing party to this Permit shall be entitled to recover reasonable attorney's fees, costs and expenses related to said action from the non-prevailing party.

19. That attached hereto are Supplemental Conditions to this Permit which are incorporated herein and made a part hereof.

LEHIGH ACRES – MUNICIPAL SERVICES IMPROVEMENT DISTRICT

BY: _____

NAME TYPED: David E. Lindsay

TITLE: District Manager

SUPPLEMENTAL CONDITIONS TO PERMIT NO. 26-91

A. GENERAL CONDITIONS

1. Notification shall be given by the Permittee to the District Engineer, AIM Engineering, at 239-332-4569 forty-eight (48) hours prior to commencement of the permitted activity. The District Engineer shall establish points of construction, if applicable, which will require inspection by the District Engineer prior to construction of the permitted activity. When the Permittee considers the permitted activity complete, the Permittee shall notify the District Engineer and schedule an on-site final inspection which shall be held in the presence of a representative of the Permittee and the District Engineer.

2. The permitted activity shall be implemented, constructed and/or installed in full accordance with the approved plans and specifications within six (6) full calendar years from the date of permit approval. Deviations from the approved plans or specifications shall be coordinated with and approved by the District Engineer prior to implementation of any such deviation.

3. When working in a District road right-of-way, not more than one-half (½) of the road or street shall be closed and traffic shall be controlled so as to provide for the safety and minimum hindrance to the public. All traffic control operations shall conform to the most current issue of the Florida Department of Transportation publication "Manual on Traffic Controls and safe Practices for Street and Highway Construction, Maintenance and Utility Operations."

4. The District Engineer shall be the final authority as to the quality and quantity of the material and works required to satisfy the terms and conditions of this Permit as they relate to District improvements and facilities.

5. Upon completion of the permitted activity and after its final review and acceptance by the District Engineer THE PERMITTEE SHALL DELIVER TO THE DISTRICT OFFICE ONE COMPLETE SET OF THE FINAL "RECORD DRAWINGS." FAILURE TO PROVIDE THE FINAL RECORD DRAWINGS MAY RESULT IN THE REVOCATION, CANCELLATION AND TERMINATION OF THIS PERMIT.

6. The above Conditions shall be continuing obligations of the Permittee and shall be complied with in the event of any subsequent maintenance, repair, replacement or modification of the permitted improvement.

Stipulations:

1). Permit #26-91 is approved according to the plans and calculations submitted June 8th, 2026 and only covers Lot #3 of the Shoppes at Lee Blvd. Commercial Development.

2). Maintenance of the entire Shoppes at Lee Blvd. Commercial Development storm water management system, including the on-site control structure and outfall pipe is the responsibility of the Permittee and any Master Associations established within the Shoppes of Lee Blvd. Commercial Development.

3). An "As-Built" survey showing the completed improvements (including perimeter berm, all pipe inverts and outfall structure elevations) must be submitted to Lehigh Acres - MSID within 30 days following completion of the improvements.

4). Please provide LA-MSID with a copy of the SFWMD ERP approval prior to the start of construction.

0	6	-	0	8	-	2	6				
			2	6	-	9	1				

APPLICATION FOR A PERMIT

***Note: The review of permit applications will be conducted per the Lehigh Acres Municipal Services Improvement District's Administrative Policy and Procedures**

AGENT NAME: Albert Martes-Rodriguez **PHONE #:** (239) 573-2077

PROJECT NAME: MHM Lee Lot 3 Multi-Use Building

TOTAL ACREAGE: 1.2 +/-

Property Address (STRAP associated with this address will be used as the primary STRAP for this project): 30-44-26-L2-13000.0030					
Mailing Address:	5540 Lee Blvd				
City:	Lehigh Acres	**State:**	FL	**Zip:**	33971

STRAP NUMBERS (attach additional sheet if necessary):

3	0	-	4	4	-	2	6	-	L	2	-	1	3	0	0	0	-	0	0	3	0
		-			-			-			-						-				
		-			-			-			-						-				
		-			-			-			-						-				
		-			-			-			-						-				

Brief description of proposed project:

Application for:

Construction of a storm water management system on a 1.2 acre site for a multi-use building

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JUN 08 2026
LEHIGH ACRES
MUNICIPAL SERVICES
IMPROVEMENT DISTRICT

Is the project proposed to be developed in phases? Yes [No]

Estimated # of Phases:	1
***Permit Fee:**	$ 1,500 **(to be verified by staff)**

* See Administrative Policy and Procedures Sections 4.15 – 4.17 for current Permit Fee Amount.

PART II

OWNER/APPLICANT/ DEVELOPER INFORMATION

A.

Name of Applicant	MHM Lee Blvd LLC						
Mailing Address:	**Street:**	2670 Horseshoe Dr N #201					
City:	Naples	**State:**	FL		**Zip:**	34104	
Phone No.	**Area Code:**	814	**Number:**	450- 2597	**Ext.**		
Fax No.	**Area Code:**		**Number:**	-			
E-mail Address:	bryan@mhmdev.com						

B. Relationship of applicant to property*:

[**Owner***] **Trustee*** **Option holder*** **Lessee***

Contract Purchaser* **Other (indicate)***

C.

Name of Developer:	MHM Lee Blvd LLC					
Mailing Address:	**Street:**	2670 Horseshoe Dr N #201				
City	Naples	**State:**	FL		**Zip:**	34104
Phone No.	**Area Code:**	(814)	**Number:**	450-2597	**Ext.**	
Fax No.	**Area Code:**	( )	**Number:**	-		
E-mail Address:	bryan@mhmdev.com					

D.

Name of Authorized Agent(s):			Avalon Engineering, Inc./ Albert Martes-Rodriguez				
Mailing Address:		**Street:**	2503 Del Prado Blvd, Suite 200				
City	Cape Coral		**State:**	FL		**Zip:**	33904
Phone No.	**Area Code:**	(239)	**Number:**	573 - 2077		**Ext.**	
Fax No.	**Area Code:**	( )	**Number:**	-			
E-mail Address:	albert@avaloneng.com						

E.

Name of Property Owner:			MHM Lee Blvd LLC				
Mailing Address:		**Street:**	2670 Horseshoe Dr N #201				
City	Naples		**State:**	FL		**Zip:**	34104
Phone No.	**Area Code:**	(814)	**Number:**	**450-2597**		**Ext.**	
Fax No.	**Area Code:**	( )	**Number:**	-			
E-mail Address:	bryan@mhmdev.com						

*A disclosure of the name of all persons or entities having an ownership interest in the property is required (attached).

PART III

DISCLOSURE OF OWNERSHIP INTEREST FORM FORM:

3	0	-	4	4	2	6	L	2	1	3	0	0	0	0	0	3	0

PRIMARY STRAP NUMBER:

1. If the property is owned in the fee simple by an **INDIVIDUAL**, tenancy by the entirety, tenancy in common, or joint tenancy, list all parties with an ownership interest as well as the percentage of such interest.

Name and Address	Percentage of Ownership

2. If the property is owned by a **CORPORATION**, list the officers and stockholders and the percentage of stock owned by each.

Name, Address, Office	Percentage of Stock
MHM LEE BLVD LLC	100%
2670 HORSESHOE DR N #201	
NAPLES FL 34104	

3. If the property is in the name of a **TRUSTEE**, list the beneficiaries of the trust with percentages of interest.

Name and Address	Percentage of Interest

4. If the property is in the name of a **GENERAL PARTNERSHIP OR LIMITED PARTNERSHIP**, list the names of general and limited partners.

Name and Address	Percentage of Interest

5. If there is a **CONTACT FOR PURCHASE**, whether contingent on this application Or not, and whether a Corporation, Trustee, or Partnership, list the names of the contract purchasers below, including the officers, stockholders, beneficiaries, or partners.

Name and Address	Percentage of Interest

Date of Contract (mm/dd/yy): / /

6. If any contingency clause or contract terms involve additional parties, list all individuals or officers, if a corporation, partnership, or trust.

Name and Address	Percentage of Interest

For any changes of ownership of changes in contracts for purchase subsequent to the date of the application, but prior to the date of final certificate for compliance, a supplemental disclosure of interest must be filed.

The above is a full disclosure of all parties of interest in this application, to the best of my knowledge and belief.

SIGNATURE OF APPLICANT

Michael Metcalf

PRINTED OR TYPED NAME OF APPLICANT

STATE OF FLORIDA
COUNTY OF LEE

The foregoing instrument was acknowledged before me this 2nd day of May (m), 2026(y), by Michael Metcalf is personally know to me or has produced _____ as identification.

Lisa M. Gallagher
NOTARY PUBLIC - STATE OF FLORIDA
MY COMMISSION EXPIRES FEB. 20, 2028
COMMISSION NO. HH 477342

SIGNATURE OF NOTARY PUBLIC

PART IV

EXPLANATION

All Permit Application sections must be completed and submitted.

Permit Application fees and submittal items (see Part VI) must be submitted with the application.

Any and all work involving the lands and/or facilities of the District shall not commence without a Board approved permit.

All set policies, procedures, technical requirements, and fee schedules can be found and reviewed in the 'Administrative Policy and Procedures Guide'. The Guide is available at the District Office located at 601 East County Lane, Lehigh Acres, FL or online at la-msid.com/.

PART V

PROFESSIONAL CONSULTANT FORM

ATTORNEY

Name:							
Mailing Address:							
City:		**State:**				**Zip:**	
Business No.	**Area Code:**	**( )**	**Number:**	**-**		**Ext.**	
Other Contact:							

ENGINEER

Name:	Avalon Engineering, Inc/Albert Martes-Rodriguez						
Mailing Address:	2503 Del Prado Blvd, Suite 200						
City:	Cape Coral	**State:**		FL		**Zip:**	33904
Business No.	**Area Code:**	**(239)**	**Number:**	573 - 2077		**Ext.**	
Other Contact:	albert@avaloneng.com						

OTHER REPRESENTATIVE/PROFESSIONAL

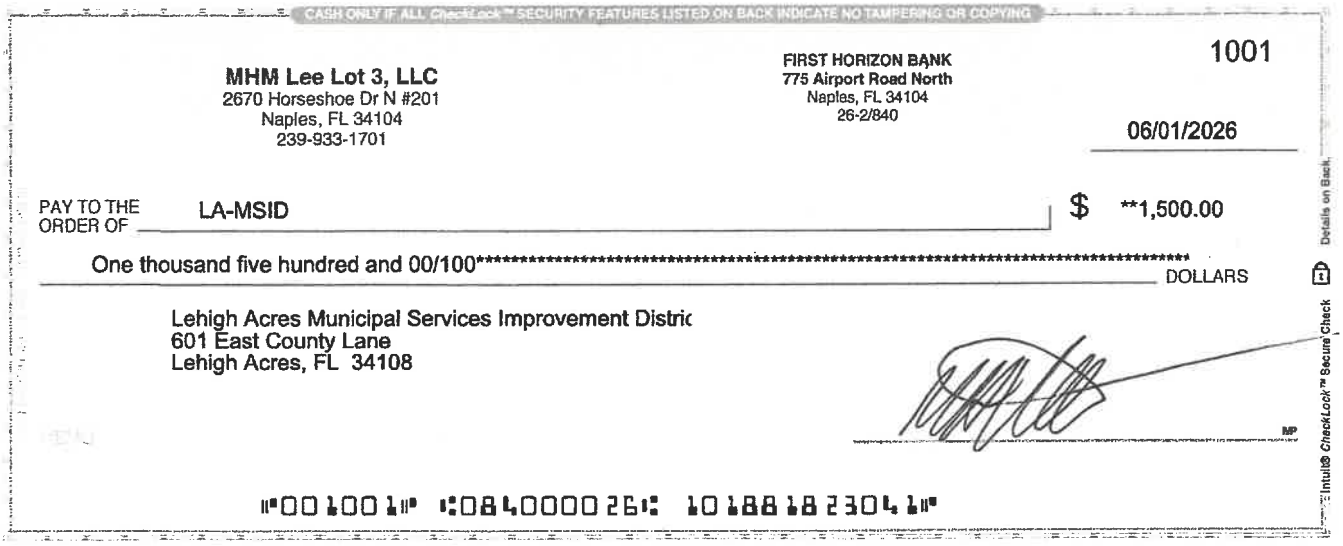
Name:							
Mailing Address:							
City:		**State:**				**Zip:**	
Business No.	**Area Code:**	**( )**	**Number:**	**-**		**Ext.**	
Other Contact:							

PART VI

SUBMITTALS

NO. OF COPIE		SUBMITTAL DOCUMENT
SUB'D	REQ'D	
		ITEMS REQUIRED FOR INITIAL SUBMITTA
	2	**Construction/Development Plans** signed and sealed by a L Florida Professional Engineer including: 1. Location map showing the location of the proposed project in r adjacent streets and LA-MSID facilities. 2. Details of proposed works that fully communicate the work and desired (i.e. Existing Conditions Survey, Proposed Site Plan, Pavi Grading & Drainage Plan, Cross Sections, Element Details, and Control Plan sheets). 3. Sufficient survey data to determine elevations, property and ROV limits of existing and proposed conditions, and notation of utiliz vertical datum (NAVD/NGVD).

	2	**Stormwater Drainage Calculations** signed and sealed by a I Florida Professional Engineer including, but not limited to, co stormwater routing modeling data (ICPR4, Cascade, etc.) to v compliance with the Design Criteria (input summary data belc **Water Quality Volume (Required):** _____(ACI **Water Quality Volume (Provided):** _____(AC **Control Elevation:** _____(FT-N **Minimum Road/Parking Elevation:** _____(FT-N *(above the 10-year, 1-day design storm peak stage elevation)* **Minimum Perimeter Berm Elevation:** _____(FT-N *(above the 25-year, 3-day design storm peak stage elevation)* **Minimum Finished Floor Elevation:** _____(FT-N *(above the 100-year, 3-day design storm peak stage elevation a previously experienced high-water levels external to project)*
	2	**Flash Drive / CD** containing plans in both AutoCAD (.dwg drawn in "State Plane Coordinates") and PDF formats.
	2	**Permit Application** (PARTS I & II)
	2	**Disclosure of Owner Form (signed and notarized)** (PART
	2	**Professional Consultant Form & Submittals** (PARTS V &
	2	**Copy of Approved FDEP Notice of Intent (NOI)** for all s (1) acre and greater in size.
	2	**Copy of approved SWFMD permit**, for all sites required to permit, **or FDEP "10/2 Self-Certification"** approval.
	1	**Check for appropriate Permit Fees** made out to LA-MSID.



CASH ONLY IF ALL CheckLock™ SECURITY FEATURES LISTED ON BACK INDICATE NO TAMPERING OR COPYING

MHM Lee Lot 3, LLC
2670 Horseshoe Dr N #201
Naples, FL 34104
239-933-1701

FIRST HORIZON BANK
775 Airport Road North
Naples, FL 34104
26-2/840

1001

06/01/2026

PAY TO THE ORDER OF LA-MSID $ **1,500.00

One thousand five hundred and 00/100********** DOLLARS

Lehigh Acres Municipal Services Improvement Distric
601 East County Lane
Lehigh Acres, FL 34108

MP

Details on Back.

Intuit® CheckLock™ Secure Check

⑈001001⑈ ⑆084000026⑆ 10188182304⑈

MHM Lee Lot 3, LLC 1001

06/01/2026 **LA-MSID**

Date	Type	Reference	Original Amount	Balance Due	Payment
06/01/2026	Bill		1,500.00	1,500.00	1,500.00
		Check Amount			1,500.00

MHM Lee Lot 3, LLC · 1,500.00

Permit # 26-91

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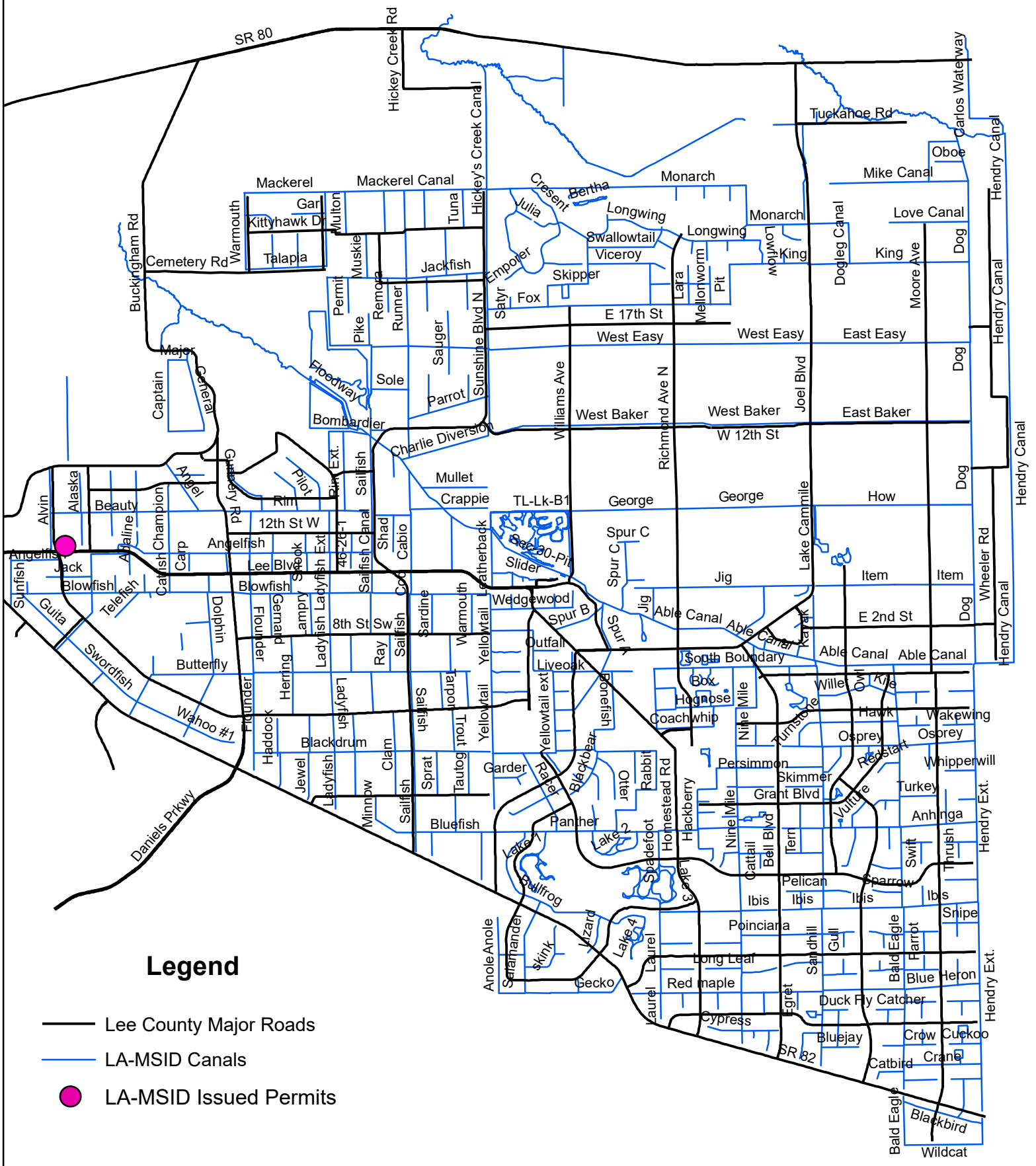
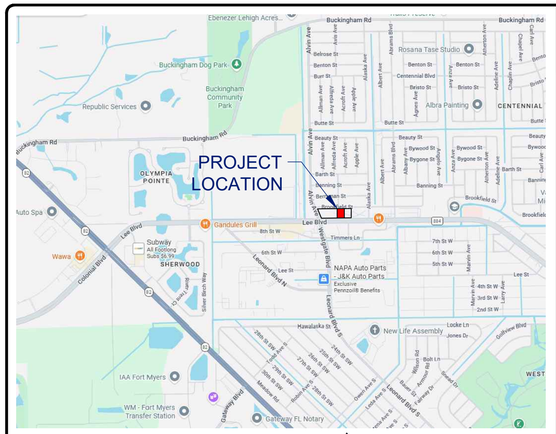
JUN 08 2026
LEHIGH ACRES
MUNICIPAL SERVICES
IMPROVEMENT DISTRICT

Permit # 2026-91



Legend

- Lee County Major Roads
- LA-MSID Canals
- LA-MSID Issued Permits



LOCATION MAP
N.T.S.

SITE CONSTRUCTION PLANS
FOR

SHOPPES AT LEE BLVD.
LOT 3
MULTI-USE BUILDING

5540 LEE BOULEVARD
LEHIGH ACRES - LEE COUNTY, FLORIDA

THIS AREA LEFT BLANK FOR COUNTY APPROVAL STAMPS

ALBERT A. MARTES-RODRIGUEZ LICENSE No. 98986 STATE OF FLORIDA PROFESSIONAL ENGINEER

Albert A. Martes-Rodriguez, P.E.
LICENSE# 98986

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY ALBERT A. MARTES-RODRIGUEZ, P.E. ON THE DATE ADJACENT TO THE SEAL. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

DEVELOPER:
ASHTON GRAY
3102 MAPLE AVE., SUITE 260
DALLAS, TX 75201

ARCHITECT:
FWH ARCHITECTS
3336 GRAND BLVD., SUITE 201
HOLIDAY, FL. 34690

CIVIL ENGINEER/PLANNER:
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD. S #200
CAPE CORAL, FL. 33904

LANDSCAPE:
LANDESCO PLLC
6681 RICH ROAD
N. FORT MYERS, FL. 33917

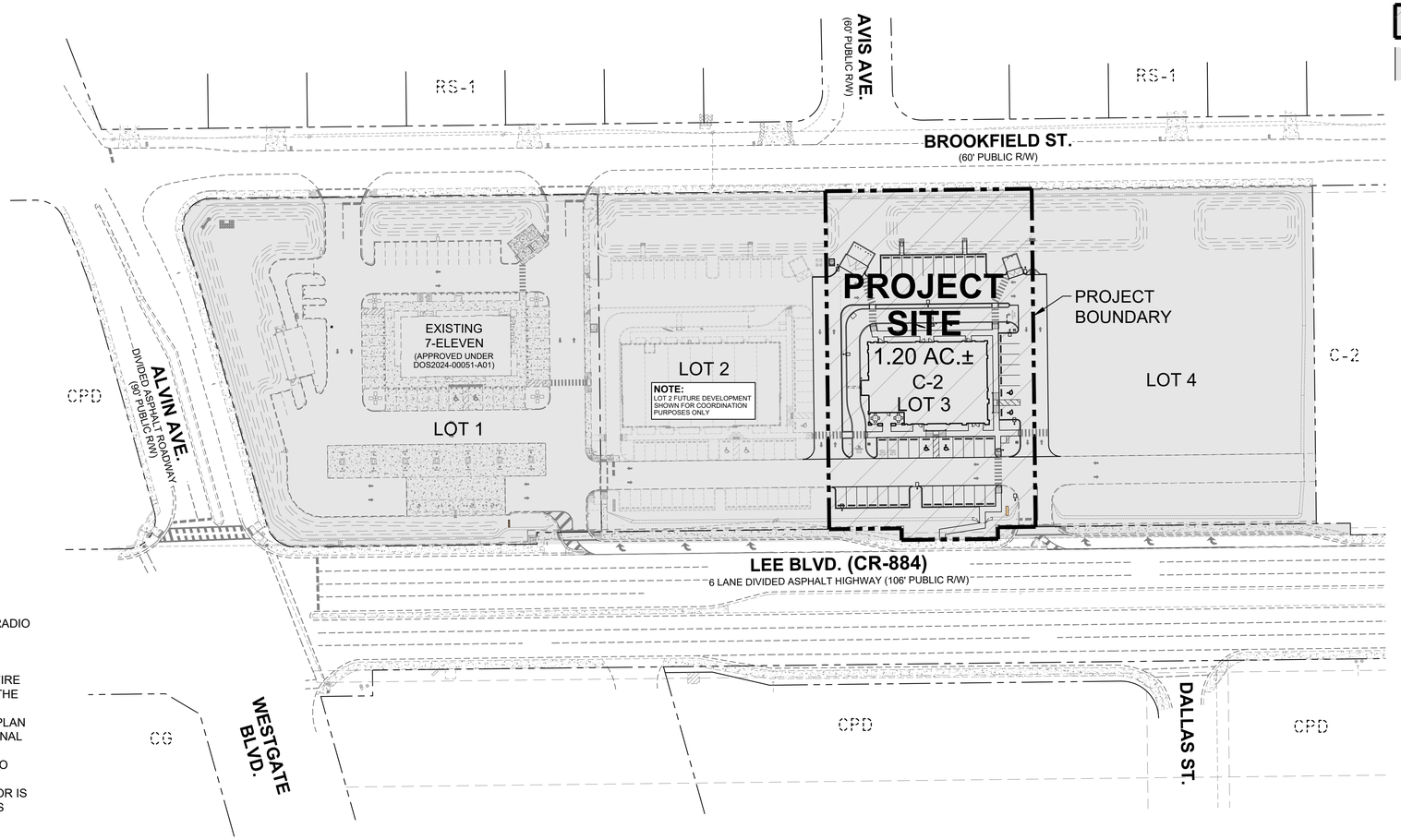
SURVEYOR:
K.E. TRASK, P.A.
12345 BLASINGIM ROAD
FORT MYERS, FL. 33966

ENVIRONMENTAL:
OWEN ENVIRONMENTAL CONSULTING, LLC
15957 TROPICAL BREEZE DRIVE
FORT MYERS, FL. 33908

TRAFFIC ENGINEER:
TR TRANSPORTATION CONSULTANTS, INC.
2726 OAK RIDGE COURT, SUITE 503
FORT MYERS, FL. 33901

RADIO ENHANCEMENT
PLEASE NOTE: PER 2021 NFPA 1: 11.10, TWO WAY RADIO COMMUNICATION ENHANCEMENT SYSTEMS SHALL COMPLY AT THE CONCLUSION OF CONSTRUCTION (NFPA 72 24.5.2)
PLEASE BE AWARE THAT A DIRECTIVE FROM THE FIRE MARSHAL IS IN EFFECT FOR ALL NEW BUILDINGS. THE FIRE MARSHAL HAS REQUIRED, PER CODE, THAT A THIRD PARTY WILL VERIFY BEFORE (AT BUILDING PLAN REVIEW AS A MODEL) OR AFTER (PRIOR TO FIRE FINAL INSPECTION) CONSTRUCTION THAT THE BUILDING MEETS THE REQUIREMENTS OF NFAP 72 FOR RADIO SIGNAL STRENGTH. IF THE BUILDING IS NON COMPLIANT, THE OWNER AND/OR THE CONTRACTOR IS RESPONSIBLE TO MEET THE CODE REQUIREMENTS PRIOR TO THE FIRE FINAL INSPECTION.

Sunshine 811
CALL SUNSHINE (1-800-432-4770)
48 HOURS BEFORE YOU DIG
IT'S THE LAW IN FLORIDA



VICINITY MAP
0 30 60
FULL SCALE = 60
HALF SCALE = 120

ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN REDUCED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

THE INFORMATION AND LINEWORK ON THIS SET OF PLANS IS INTENDED TO BE VIEWED IN FULL COLOR OR AS A PDF FILE. PRINTING THIS PLAN SET IN BLACK & WHITE MAY INHIBIT IMPORTANT VISUAL ELEMENTS NECESSARY TO CLEARLY REPRESENT THE PROVIDED INFORMATION.

SITE DATA:
PROPOSED SITE: 1.20 Ac.±
SHOPPES AT LEE BLVD COMMERCIAL LAND CONDO

SITE INFORMATION:
ADDRESS: 5540 LEE BOULEVARD
LEHIGH ACRES, FLORIDA 33971

LOCATION: SECOND AMENDMENT TO SHOPPES AT LEE BLVD A COMMERCIAL LAND CONDO UNIT 3 AS DESC IN INSTRUMENT 2026000116336

STRAP#: 30-44-26-L2-14000.0030
EXISTING ZONING: C-2
FUTURE LAND USE: CENTRAL URBAN
DEVELOPMENT TYPE: MULTI-TENANT
PROP. FLOOR AREA RATIO: 6,897 SF (13.2% LOT COVERAGE)
BUILDING USE: MEDICAL / RETAIL / RESTAURANT
FLOOD ZONE: ZONE 'X'
BUILDING FINISH FLOOR ELEVATION: 25.00 NAVD
CONTROL ELEV.: 19.00 NAVD
WATER & SEWER: FGUA
IRRIGATION: EXISTING ON-SITE WELL
BUILD. CONST. TYPE: IIB
BUILDING HEIGHT: 26'-0"

UNIT BREAKDOWN:
3 TOTAL UNITS:
SUITE 101 STARBUCKS - 1,886 SF
SUITE 102 NAIL SALON - 1,400 SF
SUITE 103 DENTAL OFFICE - 3,611 SF
BUILDING TOTAL = 6,897 SF

REFER TO ARCHITECTURAL PLANS FOR EXACT BUILDING DIMENSIONS

SHEET INDEX

1	COVER SHEET
2	GENERAL NOTES AND LEGEND
3	AERIAL AND HYDROLOGY MAP
4	EXISTING CONDITIONS AND DEMOLITION PLAN
5	EROSION CONTROL PLAN
6	MASTER SITE DIMENSION AND STRIPING PLAN
7	SITE DIMENSION AND STRIPING PLAN
8	TYPICAL PAVING AND STRIPING DETAILS (A)
9	TYPICAL PAVING AND STRIPING DETAILS (B)
10	MASTER PAVING, GRADING AND DRAINAGE PLAN
11	PAVING, GRADING AND DRAINAGE PLAN
12	TYPICAL SECTIONS
13	TYPICAL INLETS AND DRAINAGE DETAILS
14	UTILITY PLAN
15-18	LEE COUNTY UTILITY DETAILS (A-D)
	LANDSCAPE AND IRRIGATION PLAN (BY OTHERS)
	LIGHTING PLAN (BY OTHERS)
	SURVEY (BY OTHERS)

VERTICAL ELEVATIONS BASED ON: NAVD 88

DATE	BY	REVISION DESCRIPTION
06/04/26	AMR	INITIAL LEE COUNTY D.O. SUBMITTAL

AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD. S #200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

SHOPPES AT LEE BLVD.
LOT 3
5540 LEE BOULEVARD
LEHIGH ACRES, FLORIDA 33971

COVER SHEET

#26-111/CONST.

P:\CAD\2026\26-111\CONSTRUCTION\PLOT\26-111-01 - COVER.dwg, 01 COVER SHEET, 6/4/2026 2:29:30 PM, 2025 Avalon Engineering Inc., 2025 Avalon Engineering Inc.

GENERAL CONSTRUCTION NOTES

1. ALL ELEVATIONS REFER TO N.A.V.D. 1988, UNLESS OTHERWISE NOTED.
2. CONTRACTOR SHALL LOCATE AND VERIFY THE SIZE, LOCATION AND DEPTH OF ALL EXISTING UTILITIES IN THE FIELD AND SHALL NOTIFY THE UTILITY COMPANIES IN THE AREA BEFORE BEGINNING CONSTRUCTION. ANY UTILITIES THAT ARE DISTURBED OR DAMAGED BY THE CONTRACTOR SHALL BE IMMEDIATELY REPAIRED OR REPLACED BY THE CONTRACTOR AT HIS EXPENSE. ANY DISCREPANCY NOT CALLED TO THE ENGINEER'S ATTENTION PRIOR TO ACCOMPLISHMENT OF THE WORK SHALL BE CORRECTED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
3. ALL MATERIALS AND WORKMANSHIP UNDER THIS PROJECT SHALL BE IN STRICT ACCORDANCE WITH THE CURRENT CONSTRUCTION STANDARDS AND SPECIFICATIONS OF LEE COUNTY DEVELOPMENT STANDARDS AND FLORIDA DEPARTMENT OF (FDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE TRANSPORTATION CONSTRUCTION AND LEE COUNTY UTILITIES (LCU) UNLESS OTHERWISE NOTED.
4. CONCRETE SIDEWALK: USE CLASS I, 3000 PSI (MINIMUM) CONCRETE. APPLY A BROOM FINISH AND MAKE VERTICAL SAW CUTS AT 5' ON CENTER AT A DEPTH OF 1/4 OF THE SLAB THICKNESS. PROVIDE PRE-FORMED EXPANSION JOINTS AT 50' ON CENTER.
5. CONCRETE CURB & GUTTER AND STRAIGHT CURB: USE CLASS I, 3000 PSI (MINIMUM) CONCRETE. MAKE VERTICAL SAW CUTS EVERY 10' ON CENTER WITH PRE-MOLDED EXPANSION JOINTS EVERY 50' ON CENTER.
6. CONSTRUCTION OF NEW DRIVEWAYS AND/OR ALLEYS SHALL BE IN STRICT ACCORDANCE WITH THE CONSTRUCTION STANDARDS AND SPECIFICATIONS OF LEE COUNTY TRANSPORTATION. ALL EXISTING GRADES ALONG RIGHT-OF-WAY SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
7. ALL CONSTRUCTION WITHIN THE RIGHT-OF-WAY SHALL BE IN STRICT ACCORDANCE WITH THE CURRENT FLORIDA DEPARTMENT OF TRANSPORTATION STANDARDS AND ALL REQUIRED INSPECTIONS PERFORMED BY THEM. CONTRACTOR SHALL PROVIDE BOND AND PERMIT FEE AND OBTAIN PERMIT AS REQUIRED.
8. PAVEMENT MARKINGS AND SIGNS SHALL BE IN STRICT ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" AND FDOT STANDARD INDEX #711-001.
9. ALL PERVIOUS AREAS WITHIN THE PROJECT CONSTRUCTION LIMITS SHALL BE GRASSED, SODDED OR MULCHED IN ACCORDANCE WITH THE APPROVED LANDSCAPE PLAN.
10. THE CONTRACTOR SHALL BE REQUIRED TO MEET ALL "MAINTENANCE OF TRAFFIC" REQUIREMENTS AS PRESCRIBED IN THE CURRENT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", F.H.W.A. MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, PART VI, CURRENT EDITION, AND ALL APPLICABLE SECTIONS OF THE ROAD AND TRAFFIC DESIGN STANDARDS, FLORIDA DEPARTMENT OF TRANSPORTATION, CURRENT EDITION.
11. THERE ARE NO KNOWN WELLS LOCATED ON THIS JOB SITE. IF ANY WELLS ARE LOCATED DURING CONSTRUCTION THE CONTRACTOR IS RESPONSIBLE TO NOTIFY THE ENGINEER.
12. ALL PRACTICABLE AND NECESSARY EFFORT SHALL BE TAKEN DURING CONSTRUCTION TO CONTROL AND PREVENT EROSION AND TRANSPORT OF SEDIMENT TO SURFACE DRAINS, SWALES AND OUTFALLS. (REFER TO EROSION CONTROL PLAN)
13. WHERE THE NEW PAVEMENT IS DISCONTINUED IT SHALL BE FLUSH WITH OR HAVE A SMOOTH TRANSITION WITH ADJACENT PAVEMENT.
14. ALL INVERT ELEVATIONS NOTED FOR DRAINAGE STRUCTURES ARE FLOW LINE ELEVATIONS.
15. ALL DISTURBED AREAS WITHIN R/W'S SHALL BE REGRADED AS REQUIRED AND STABILIZED WITH SOD.
16. STORM DRAIN (SD) SHALL BE REINFORCED CONCRETE PIPE, ADS N-12, ALUMINUM, PVC SDR-35, A-2000 PVC, OR AS SHOWN ON PLANS. NO STEEL PIPE, NON REINFORCED CONCRETE PIPE, OR FIBER REINFORCED PIPE.
17. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER SHOP DRAWINGS OF ANY AND ALL MATERIALS, STRUCTURES, PIPING, VALVES, VALVE BOXES, ETC, TO BE USED ON SITE PRIOR TO ORDERING OR INSTALLING, INCLUDING MFG. OF SAME.
18. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION AND CONDUIT INSTALLATION FOR UNDERGROUND ELECTRIC, PHONE AND CABLE.
19. THIS PROJECT DOES NOT PROPOSE ANY IMPACTS TO GROUND WATER OR SURFACE WATER. CONTRACTOR SHALL INFORM ENGINEER OF RECORD OF ANY POTENTIAL IMPACTS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
20. THE EXISTING LCDOT TRAFFIC DETECTORS AND COMMUNICATIONS INFRASTRUCTURE INCLUDING TRAFFIC COUNT STATIONS, PULL BOXES, AND FIBER OPTIC CABLES ALONG SR 80 MUST BE PROTECTED ALL THE TIME DURING THE CONSTRUCTION OF THE PROJECT. THE CONTRACTOR MUST COORDINATE WITH THE LCDOT TRAFFIC SECTION TO REPAIR ALL DAMAGES TO TRAFFIC SIGNAL EQUIPMENT, TRAFFIC DETECTORS, FIBER OPTIC CABLES, AND COMMUNICATIONS INFRASTRUCTURE WITHIN 24 HOURS OF BEING DAMAGED.
21. WHERE RCP STORM PIPE IS SPECIFIED ON THE PLANS, ADS HP STORM PIPE CAN BE UTILIZED AS AN EQUAL ALTERNATIVE AT THE OWNER'S DISCRETION. SPECIAL BEDDING, BACKFILL, WATER-TIGHT GASKETS / JOINT JACKETS, AND/OR DEWATERING PRACTICES MAY BE REQUIRED TO FACILITATE THE USE OF THE PIPE ALTERNATE. THE CONTRACTOR IS REQUIRED TO CONTACT ADVANCED DRAINAGE SYSTEMS, INC. TO REQUEST A DRAINAGE NETWORK ANALYSIS TO ASSESS THE SYSTEM FOR FLOTATION PREVENTION, MINIMUM COVER AND PIPE CLASSIFICATION. COPIES OF THE ANALYSIS MUST BE PROVIDED TO ENGINEER OF RECORD PRIOR TO COMMENCEMENT OF CONSTRUCTION FOR APPROVAL.
22. CONTRACTOR IS RESPONSIBLE FOR BRINGING ANY CONFLICTS AND/OR DISCREPANCIES RELEVANT TO DESIGN AND/OR DETAILS PROPOSED WITHIN CONSTRUCTION PLANS TO ATTENTION OF THE ENGINEER OF RECORD PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES.

TRANSFORMER PAD NOTES:

1. CONTRACTOR TO COORDINATE TRANSFORMER PAD SIZE AND LOCATION WITH UTILITY COMPANY PRIOR TO CONSTRUCTION.
2. TRANSFORMER SYMBOL SHOWN ON PLANS IS FOR GRAPHICAL PURPOSES ONLY.
3. TOP OF PAD SHALL BE AT FINISH GRADE BUT NOT TO EXCEED 6 INCHES ABOVE FINISH GRADE.
4. MAINTAIN ACCESS TO PAD-MOUNTED EQUIPMENT LOCATED ON THE PROPERTY.
5. THERE SHALL BE 8 FEET OF CLEARANCE FROM THE DOOR SIDE AND 3 FEET OF CLEARANCE FROM OTHER SIDES OF PAD FROM ITEMS SUCH AS FENCES, SHRUBS AND OTHER OBSTRUCTIONS.
6. SUITABLE BARRIERS SHALL BE INSTALLED, IF SPECIFIED BY ELECTRIC COMPANY, TO PROTECT THE PAD MOUNTED TRANSFORMER AND ASSOCIATED METERING EQUIPMENT FROM VEHICULAR TRAFFIC.
7. UTILITY EASEMENT SHALL BE PROVIDED FOR THE TRANSFORMER PAD AND DISTRIBUTION CABLES. SIZE TO BE DETERMINED BY THE UTILITY COMPANY.

GENERAL UTILITIES NOTES (FGUA)

1. ALL CONSTRUCTION SHALL MEET LEE COUNTY STANDARDS AND SPECIFICATIONS AS APPLICABLE.
2. AN FGUA REPRESENTATIVE IS TO BE PRESENT DURING CONNECTIONS TO EXISTING FACILITIES WITH 72-HOUR NOTIFICATION.
3. ALL UTILITIES WITHIN THE PROPERTY LINES WILL BE OWNED AND MAINTAINED BY THE PROPERTY OWNER.
4. ANY UTILITIES (PIPES, VALVES, AND ASSOCIATED HARDWARE) TO BE CONVEYED TO FGUA WILL BE LOCATED WITHIN AN EXISTING PUBLIC UTILITY EASEMENT, RIGHT-OF-WAY (ROW) AND/OR A DEDICATED FGUA UTILITY EASEMENT.
5. ANY REAL PROPERTY (LIFT STATION, PUMP HOUSES, WELLS, ETC.) WILL NOT BE LOCATED WITHIN THE ROW AND WILL BE CONVEYED TO FGUA VIA A SPECIFIC WARRANTY DEED.
6. LOW PRESSURE AIR TEST, AND VIDEO INSPECTION ARE REQUIRED FOR THE GRAVITY COLLECTION SYSTEM) - WATER SYSTEMS ARE TESTED TO A MINIMUM OF 150PSI FOR TWO-HOUR DURATION AS PER AWWA C 600 STANDARDS. FIRE SYSTEMS ARE NOT THE FGUA RESPONSIBILITY.
7. INSTALL 10-GAUGE TRACER WIRE ON ALL MAIN PIPELINES. WIRE TO EXTEND INTO EACH VALVE BOX WITH SUFFICIENT EXCESS TO BRING WIRE THREE FEET ABOVE FINISH GRADE.
8. ALL WATER AND/OR WASTEWATER LINES PASSING UNDER PAVED AREAS WILL BE CONSTRUCTED WITH A CASING AND SHALL APPLY WITH LOCAL OR STATE DOT STANDARDS.
9. A REDUCED PRESSURE ZONE (RPZ), BACKFLOW PREVENTION ASSEMBLY (BFP) IS REQUIRED. ACCEPTABLE MODELS FEBCO 825Y, WATS 909, WILKINS 975XL, OR CONBRACO 400.
10. FULL CIRCLE STAINLESS STEEL TAPPING SADDLE SLEEVE WITH RESILIENT SEATED TAPPING VALVE FOR PROPOSED WATER AND FORCE MAIN CONNECTIONS TO BE USED.
11. WATER TAPPING SADDLES TO BE DOUBLE STRAP BRASS OR DUCTILE IRON OR EPOXY COATED STEEL WITH STAINLESS STEEL HARDWARE. TIE STRAPS AND BOLTS SHALL BE CORROSION RESISTANT ALLOY STEEL.
12. ALL FIRE FLOW LINES WILL RUN SEPARATE FROM THE DOMESTIC WATER MAINS AND HAVE A FIRE DETECTION METER AND A FIRE LINE BACKFLOW PREVENTION ASSEMBLY (BFP) ASSEMBLY SHALL INCLUDE A LOW FLOW BY-PASS METER W/ RPZ.
13. MANHOLE FRAMES & COVERS, AND CO CAPS ARE TO BE WATERTIGHT, IF NEEDED EXISTING MANHOLE TOPS ARE TO BE ADJUSTED TO PROPOSED GRADE.
14. INFLOW PROTECTION DISHES ARE REQUIRED FOR ALL MANHOLES; STAINLESS STEEL IN PAVED AREAS, ABS IN UNPAVED AREAS.
15. A CLEANOUT SHALL BE PROVIDED AT THE ROW/PL FOR ALL SERVICE CONNECTIONS.
16. THE FGUA SHALL OWN AND MAINTAIN ALL WATER SERVICE LINES UP TO THE POINT OF CONNECTION. ALL WATER MAINS SHALL BE A MINIMUM OF FOUR INCHES (4") IN DIAMETER AND ALL SUCH WATER MAINS SHALL BE CONSTRUCTED IN DEDICATED RIGHTS-OF-WAY OR APPROPRIATE UTILITY EASEMENTS DEDICATED TO THE FGUA.
17. ALL SEWER FORCE MAIN LINES AND GRAVITY SERVICE LINES ACCEPTED MUST BE AT LEAST FOUR INCHES (4") IN DIAMETER AND EIGHT INCHES (8"), RESPECTIVELY, EXCEPT LATERAL SEWER SERVICE LINES WHICH SHALL BE NO LESS THAN SIX INCHES (6") IN DIAMETER AND ACCEPTED BY THE FGUA TO A CLEANOUT LOCATED ON THE EDGE OF THE RIGHT-OF-WAY OR AN EASEMENT.
18. A BALL CHECK VALVE FOLLOWED BY A PLUG VALVE WILL BE INSTALLED ON FORCE MAINS LOCATED IN PUE OR R/W AT THE PROPERTY LINE DISCHARGING FROM PRIVATELY OWNED LIFT STATIONS CONNECTING INTO THE UTILITY MAINS.
19. CONNECTION TO EXISTING MANHOLES AND/OR LIFT STATIONS SHALL BE BY CORE BORE WITH KOR-N-SEAL CONNECTORS.
20. ALL CONNECTIONS WILL BE MADE AS HOT TAPS. ANY EXCEPTIONS TO THIS WILL REQUIRE FGUA APPROVAL. ALL HOT TAP CONNECTIONS SHALL BE PERFORMED BY A LICENSED, UNDERGROUND CONTRACTOR, WITH ADVANCE NOTIFICATION (72 HOURS) TO THE FGUA INSPECTOR.
21. BACFLOW PREVENTION DEVICES SHALL BE PRIVATELY OWNED AND MAINTAINED. BFPDS SHOULD BE LOCATED OUTSIDE OF ANY FGUA EASEMENT OR ROW/PUBLIC EASEMENT. IT IS THE SOLE RESPONSIBILITY OF THE PROPERTY OWNER TO MAINTAIN THE DEVICE AND PROVIDE ANNUAL TESTING CERTIfiCATIONS TO THE FGUA.

MISC. ON-SITE UTILITY NOTES:

1. WATER PIPE 2" AND SMALLER TO BE POLYVINYL CHLORIDE (PVC) AND SHALL CONFORM TO ASTM D-1785, PVC CLASS 1120 OR 1220 SCHEDULE 40 OR 80, 30" MINIMUM COVER. WATER PIPE GREATER THAN 2" UP TO AND INCLUDING 10" DIAMETER SHALL BE AWWA D-900, CLASS 150, DR-18, MINIMUM 30" COVER. ALL APPURTENANCES USED SHALL BE NSF ANSI-GI AND OR ANSI-14 APPROVED PER CONTRACT.
2. GRAVITY SEWER PIPE 4" DIAMETER AND GREATER SHALL BE PVC AND SHALL CONFORM TO ASTM D-3034, SDR 26, 3 FOOT MINIMUM COVER, UNLESS OTHERWISE SHOWN. FORCE MAIN PIPE SHALL BE AWWA C-900, CLASS 150, DR-18, MINIMUM 30" COVER.
3. WHERE WATER AND SEWER MAINS CROSS THE MINIMUM VERTICAL SEPARATION SHALL BE 18 INCHES. WHERE THIS IS NOT POSSIBLE, THE SEWER MAIN SHALL BE ENCASED IN CONCRETE 10 FEET EITHER SIDE OF THE POINT OF CROSSING (SEE DETAIL FOR OTHER OPTIONS). THE CONTRACTOR SHALL COMPLY WITH RULE 62-555.345 FAC. SEE CROSSING DETAILS.

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RIGHT-OF-WAY CONSTRUCTION NOTES

1. CONSTRUCTION OF NEW DRIVEWAYS AND ALLEYS SHALL BE IN STRICT ACCORDANCE WITH THE CURRENT CONSTRUCTION STANDARDS AND SPECIFICATIONS OF THE CITY OF LEHIGH ACRES, FLORIDA AND OTHER STANDARDS REFERENCED HEREIN (REFER TO GENERAL CONSTRUCTION NOTES).
2. PRIOR TO COMMENCING ANY WORK WITHIN THE CITY RIGHT-OF-WAYS, THE CONTRACTOR SHALL SET-UP A PRE-CONSTRUCTION MEETING WITH THE CITY INSPECTORS. CITY REQUIREMENTS FOR MATERIAL TEST REPORTS AND PROCEDURES SHOULD BE VERIFIED BY THE CONTRACTOR AND THE REPORTS SHALL BE AVAILABLE TO THE INSPECTORS AT THE TIME OF INSPECTION. THE CONTRACTOR SHALL SCHEDULE AND COORDINATE INSPECTIONS AND OBTAIN APPROVAL PRIOR TO PLACEMENT OF CONCRETE AND/OR ASPHALT WITHIN THE RIGHT-OF-WAYS.
3. PRIOR TO WORKING WITHIN THE RIGHT-OF-WAYS, THE CONTRACTOR IS REQUIRED TO OBTAIN ALL THE NECESSARY RIGHT-OF-WAY PERMITS AND PROVIDE THE NECESSARY WORK ZONE CONTROLS AND SAFETY REQUIREMENTS. PRIOR TO CONSTRUCTION, THE CONTRACTOR IS REQUIRED TO PREPARE A TRAFFIC MAINTENANCE PLAN AND OBTAIN APPROVAL BY THE LEE COUNTY TRANSPORTATION DEPARTMENT.
4. THE CONTRACTOR SHALL NOTE THAT THE DESIGN ELEVATIONS SHOWN ON THE PLANS WITHIN THE RIGHT-OF-WAY SHOWN MAY DIFFER FROM THE CITY'S MASTER DESIGN PLAN. ALL PROPOSED GRADES IN THE ALLEYS, DRIVEWAYS AND STREET RIGHTS-OF-WAY SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
5. THE CITY OF LEHIGH ACRES SURVEY DEPARTMENT SHALL COMPLETE ALL SURVEY LAYOUT WITHIN THE RIGHT-OF-WAY FOR CURB, STORM WATER STRUCTURES, ROAD WIDENING AND ALLEY IMPROVEMENTS PER THE CITY MASTER PLAN. THE CONTRACTOR SHALL COORDINATE THIS LAYOUT WITH THE CITY. ALL PROPERTY SURVEY MONUMENTS WITHIN THE CITY OF LEHIGH ACRES'S RIGHT-OF-WAY SHALL BE IN PLACE AND MARKED PRIOR TO REQUESTING CITY LAYOUT OR INSPECTIONS. ANY SURVEY MONUMENT OR CORNER DISTURBED OR DESTROYED DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE PRIOR TO ENGINEERING FINAL INSPECTION.
6. ALL BROKEN OR VERTICALLY MISALIGNED CURB/SIDEWALK DIRECTLY ADJACENT TO THE SITE THAT DO NOT MEET A.D.A. MINIMUM REQUIREMENTS SHALL BE REPLACED. CONCRETE FORMS ARE REQUIRED ON BOTH SIDES OF REPLACEMENT CURBS.
7. ANY WORK OR MATERIALS THAT DO NOT CONFORM TO THE SPECIFICATIONS CONTAINED HEREIN OR ANY WORK PERFORMED WITHOUT A CITY INSPECTION IS SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
8. THE CONTRACTOR IS RESPONSIBLE FOR ALL RESTORATION IN THE CITY RIGHT-OF-WAYS DISTURBED OR DAMAGED DURING CONSTRUCTION INCLUDING SWALE RE-GRADING (REFER TO EROSION CONTROL PLAN AND GENERAL CONSTRUCTION NOTES).
9. ALL CITY TRAFFIC SIGNS AND MAILBOXES IN OR ADJACENT TO THE RIGHT-OF-WAY THAT MUST BE RELOCATED SHALL BE COORDINATED WITH THE CITY TRAFFIC DEPARTMENT. TEMPORARY MAILBOXES SHALL BE MADE AVAILABLE TO THE OWNER(S) AND POSTAL DELIVERY SERVICE DURING CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE THE TEMPORARY AND FINAL LOCATIONS WITH THE LOCAL POST OFFICE.
10. THE CONTRACTOR SHALL COORDINATE WITH THE CITY SITE DEVELOPMENT AND REVIEW DIVISION THE INSTALLATION, INSPECTIONS AND PROVIDE SURVEY LAYOUT FOR THE RE-ROUTING OF CITY DRAINAGE PIPES AND STRUCTURES (IF ANY).
11. PRIOR TO CONSTRUCTION NEAR OR ADJACENT TO TRAFFIC SIGNALS, THE CONTRACTOR SHALL NOTIFY THE LEE COUNTY DEPARTMENT OF TRANSPORTATION (L.C.D.O.T.) TRAFFIC SIGNAL MAINTENANCE DIVISION AND/OR CITY OF LEHIGH ACRES TRAFFIC DEPT. TO ENSURE THE PROPER OPERATION OF THE SIGNAL AND OTHER APPURTENANCES. THE CONTRACTOR SHALL COORDINATE THE RELOCATION OF SIGNAL BOXES AND LOOPS (IF ANY) WITH L.C.D.O.T. AND THE CITY OF LEHIGH ACRES TRAFFIC DEPARTMENT.

FIRE FLOW CALC'S:

REFER T0 ARCH./FIRE PROTECTION PLANS FOR DESIGN, NOTES, DETAILS AND FIRE FLOW RATING AND CALCULATIONS

FIRE SERVICE NOTES:

FIRE SERVICE LAYOUT AND/OR DETAILS SHOWN FOR INFORMATION PURPOSES ONLY. ALL FIRE SERVICE MAINS, CONNECTIONS, DETAILS AND SPECIFICATIONS SHALL BE DESIGNED BY FIRE PROTECTION ENGINEER AND INSTALLED BY A LICENSED FIRE SPRINKLER CONTRACTOR AND SHALL BE INSPECTED, VERIFIED AND APPROVED BY THE LOCAL FIRE DEPARTMENT AS REQUIRED. ALL UNDERGROUND FIRE MAIN CONSTRUCTION SHALL CONFORM TO NFPA 13, CHAPTER 10 AND NFPA 24. REFER TO ARCH./FIRE PROTECTION PLANS FOR ADDITION INFORMATION.

GEOTECH REPORT NOTE:

THE SITE CONTRACTOR SHALL BECOME FAMILIAR WITH THE GEOTECHNICAL REPORT IF ONE WAS PREPARED. THE CONTRACTOR SHALL COMPLY WITH ALL THE SITE PREPARATION AND OTHER SITE RELATED ITEMS, RECOMMENDATIONS AND PROCEDURES.

UTILITIES:

FIRE
LEHIGH ACRES FIRE CONTROL AND RESCUE DISTRICT
11 HOMESTEAD ROAD SOUTH
LEHIGH ACRES, FL. 33936
(239) 303-5300

TELEPHONE
CENTURY LINK
2820 CARGO STREET
FT. MYERS, FL. 33916
(239) 645-4922

CABLE
COMCAST CABLE
301 TOWER ROAD
NAPLES, FL. 34113
(239) 432-9227

REFUSE
WASTEPRO
13110 RICKENBACKER PKWY
FT. MYERS, FL. 33913
(239) 337-0800

ELECTRIC
FLORIDA POWER & LIGHT
15834 WINKLER ROAD
FT. MYERS FL. 33908
(239) 267-0974

GAS
TECO/PEOPLE & GAS
5901 ENTERPRISE PARKWAY
FT. MYERS, FL. 33905
(239) 690-5508

WATER
FLORIDA GOVERNMENTAL UTILITY AUTHORITY
9400 SOUTHPARK CENTER LOOP
SUITE 400
ORLANDO, FL. 32819
(407) 629-6900

SEWER
FLORIDA GOVERNMENTAL UTILITY AUTHORITY
9400 SOUTHPARK CENTER LOOP
SUITE 400
ORLANDO, FL. 32819
(407) 629-6900

NOTES: (APPLICABLE TO WORK WITHIN LEE BLVD.)

AT LEAST 72 HOURS IN ADVANCE OF BEGINNING CONSTRUCTION OF THE PROJECT, THE CONTRACTOR SHALL CONTACT THE LOCAL MAINTENANCE FDOT ENGINEER'S OFFICE TO SECURE GENERAL USE PERMITS AND/OR OTHER PERMITS AS REQUIRED FOR WORKING WITHIN THE DEPARTMENTS RIGHT-OF-WAY.

"GOVERNING STANDARD PLANS:
FLORIDA DEPARTMENT OF TRANSPORTATION, FY 2020/2021 STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION AND APPLICABLE INTERIM REVISIONS (IR's)

STANDARD PLANS FOR ROAD CONSTRUCTION AND ASSOCIATED IRs ARE AVAILABLE AT THE FOLLOWING WEBSITE:
https://www.fdot.gov/design/standardplans

APPLICABLE IRs: IR536-001-01, IR521-001-01

STANDARD PLANS FOR BRIDGE CONSTRUCTION ARE INCLUDED IN THE STRUCTURES PLANS COMPONENT

GOVERNING STANDARD SPECIFICATIONS:
FLORIDA DEPARTMENT OF TRANSPORTATION, JULY 2020 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AT THE FOLLOWING WEBSITE:
https//www.fdot.gov/programmanagement/Implemented/SpecsBooks"

ALL PAVEMENT MARKINGS WITHIN THE FDOT RIGHT-OF-WAY SHALL BE THERMOPLASTIC.

ALL LANE CLOSURES, MOBILE OPERATIONS AND TRAFFIC PACING OPERATIONS SHALL BE ENTERED INTO THE LANE CLOSURE INFORMATION SYSTEM (LCIS) BY THE RESPECTIVE CONTRACTOR OR PERMITTEE. EACH REQUEST WILL BE REVIEWED BY THE APPROPRIATE DEPARTMENT PERSONNEL FOR COMPLIANCE WITH CONTRACT OR PERMIT REQUIREMENTS AND COORDINATION WITH ADJACENT PROJECTS OR WORK ACTIVITIES. THE LANE CLOSURE REQUEST SHALL BE SUBMITTED TO THE DEPARTMENT MINIMUM OF 2 WEEKS PRIOR 48 HOURS FOR UTILITY PERMITS) TO THE PROPOSED CLOSURE DATE AND MUST BE APPROVED BY THE DEPARTMENT BEFORE WORK REQUIRING THE CLOSURE MAY BEGIN WITHIN THE FDOT RIGHT OF WAY. HTTP: //LCIS .DOT.STATE.FL.US/

NO LANE CLOSURES BETWEEN THE HOURS OF 6:00 AM AND 9:00 PM.

ALL DISTURBED AREAS IN THE FDOT ROW ARE REQUIRED TO BE SODDED.

LEGEND

- C-1/COM — ZONING AND LANDUSE
- EXIST. WATER MAIN & GATE VALVE
- PROP. WATER MAIN & GATE VALVE
- METER AND/OR BACKFLOW DEVICE
- FIRE HYDRANT ASSEMBLY
- PROP. BLOW-OFF VALVE
- PROP. DUCTILE IRON PIPE WATER LINE
- EXIST. IRRIGATION MAIN & GATE VALVE
- PROP. IRRIGATION MAIN & GATE VALVE
- EXIST. FIRE MAIN & GATE VALVE
- PROP. FIRE MAIN & SERVICE
- EXIST. SANITARY SEWER MAIN (SDR 26 PVC) AND MANHOLE
- PROP. SANITARY SEWER MAIN (SDR 26 PVC) AND MANHOLE
- SANITARY SEWER LATERAL W/ CLEANOUT
- EXIST. SEWER FORCE MAIN
- PROP. SEWER FORCE MAIN
- PROP. PLUG VALVE
- EXIST. STORM DRAIN & INLET
- PROP. STORM DRAIN & INLET
- PROP. YARD DRAIN
- PROP. ROOF DRAIN HEADER
- P-25 — STRUCTURE I.D.
- DETENTION AREAS
- (2) 4" PVC SLEEVES AT 24" MIN. COVER
- (2) 4" PVC SLEEVES FOR WS AT 36" MIN. COVER
- PVC SLEEVES (MIN. 24" COVER) FOR CONDUIT RUN ONLY. (QTY. & SIZE TO BE DETERMINED BY ELECTRIC COMPANY)
- X 4.50 — EXISTING ELEVATION
- DRAINAGE FLOW ARROW
- PROPOSED ELECTRIC CAR CHARGING POST WITH SIGN
- PROPOSED BIKE RACK
- XX.XX — PROPOSED ELEVATION
- XX.XX — PROPOSED CITY DESIGN ELEVATION **
- LIGHT POLE (BY OTHERS)
- HANDICAP RAMP (12:1 MAX. SLOPE)
- ROCK BOULDER RIP-RAP OVER FILTER FABRIC
- POWER POLE W/OVERHEAD LINES
- TF — TRANSFORMER PAD (BY OTHERS, COORDINATE W/ELEC. COMPANY)
- T — PHONE/CABLE BOX (BY OTHERS)
- CONCRETE
- DETECTABLE WARNING MATERIAL
- HEAVY DUTY ASPHALT PAVEMENT (SEE SECTIONS)
- TYPICAL ASPHALT PAVEMENT (SEE SECTIONS)
- TYPICAL ASPHALT AREA TO BE MILLED & RESURFACE (SEE SECTIONS)

** ALL DESIGN ELEVATIONS WITHIN CITY R/W INCLUDING PAVEMENT, WALKS, DRIVES & ALLEYS ARE TO BE COORDINATED WITH CITY PUBLIC WORKS DEPT. PRIOR TO CONSTRUCTION.

NOTE:
SEWER, WATER/IRRIGATION SERVICES AND FIRE HYDRANT ASSEMBLIES ARE SHOWN IN A SCHEMATIC FORMAT FOR CLARITY. REFER TO SEWER & WATER/IRRIGATION DETAIL SHEETS FOR PLACEMENT OF SERVICES AND HYDRANTS.

VERTICAL ELEVATIONS BASED ON: NAVD 88

ALBERT A. MARTES-RODRIGUEZ — LICENSE — No. 98986 — STATE OF FLORIDA — PROFESSIONAL ENGINEER
Albert A. Martes-Rodriguez, P.E.
LICENSE# 98986

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004,FAC

DATE	BY	REVISION DESCRIPTION
06/04/26	AMR	INITIAL LEE COUNTY D.O. SUBMITTAL

AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD. S #200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

SHOPPES AT LEE BLVD.
LOT 3
5540 LEE BOULEVARD
LEHIGH ACRES, FLORIDA 33971

GENERAL NOTES AND LEGEND

#26-111/CONST.

2 OF 18

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ALBERT A. MARTES-RODRIGUEZ
LICENSE
No. 98986
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Albert A. Martes-Rodriguez, P.E.
LICENSE# 98986

N
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S
0 10 20
FULL SCALE = 20
HALF SCALE = 40

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004,FAC

DATE	BY	REVISION DESCRIPTION
06/04/26	AMR	INITIAL LEE COUNTY D.O. SUBMITTAL

SOIL LEGEND

- 125 — OLDSMAR SAND - URBAN LAND, 0-2% SLOPE
- 129 — PINEDA FINE SAND - URBAN LAND COMPLEX, 0-2% SLOPE

FLUCCS

- 192 — PINE FLATWOODS INVADED BY EXOTICS (5-9%)

LEGEND

- EXISTING DRAINAGE FLOW ARROW
- SOIL BOUNDARY LINES

FLOOD ZONE DESCRIPTION

RELATIVE FLOOD ZONE:
FEMA FLOOD ZONE 'X'

MINIMUM F.F.E. TO BE 1 FOOT HIGHER THAN FLOOD ZONE ELEVATION.

VERTICAL ELEVATIONS BASED ON: NAVD 88

AVALON ENGINEERING, INC.
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AERIAL AND HYDROLOGY MAP

#26-111/CONST.

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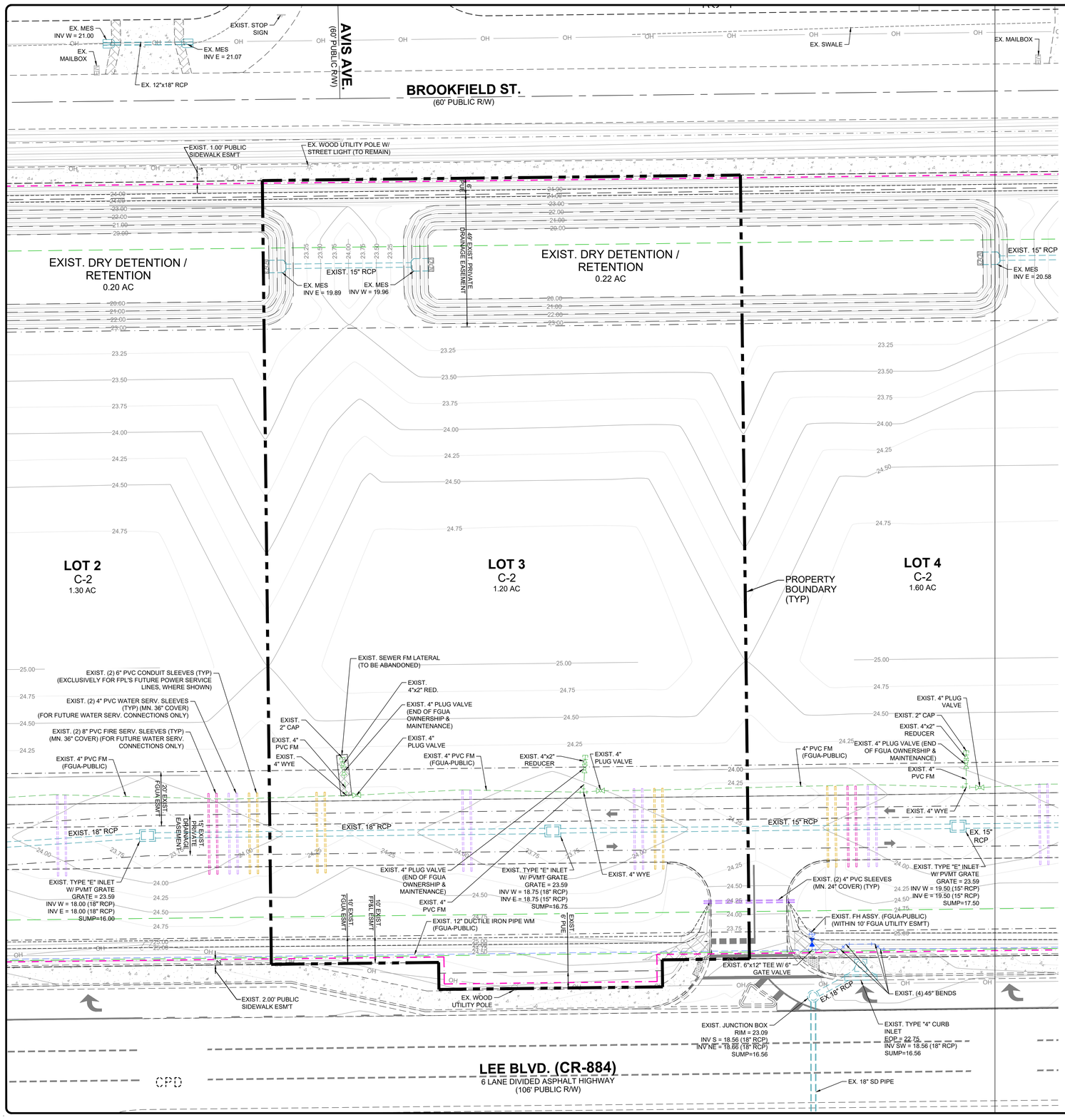

DEMOLITION NOTES:

1. CONTRACTOR SHALL LOCATE AND VERIFY THE SIZE, LOCATION, AND DEPTH OF ALL EXISTING UTILITIES IN THE FIELD AND SHALL NOTIFY THE UTILITY COMPANIES IN THE AREA BEFORE BEGINNING CONSTRUCTION. ANY UTILITIES THAT ARE DISTURBED OR DAMAGED BY THE CONTRACTOR SHALL BE IMMEDIATELY REPAIRED OR REPLACED BY THE CONTRACTOR AT HIS EXPENSE. ANY DISCREPANCY NOT CALLED TO THE ENGINEER'S ATTENTION PRIOR TO ACCOMPLISHMENT OF THE WORK SHALL BE CORRECTED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND DEMOLITION OF ANY EXISTING STRUCTURES WITHIN THE PROJECT LIMITS. ALL DEBRIS GENERATED SHALL BE REMOVED FROM THE SITE AND HAULED TO A COUNTY APPROVED OFF-SITE DUMP. THE CONTRACTOR SHALL ACQUIRE ALL NECESSARY PERMITS FOR THESE OPERATIONS.

3. THE CONTRACTOR, AT HIS OWN EXPENSE AND IN CONFORMANCE WITH ANY APPLICABLE GOVERNMENTAL REGULATION, SHALL DURING THE COURSE OF AND AFTER COMPLETION OF CONSTRUCTION, REMOVE FROM THE JOB SITE AND DISPOSE OF, IN AN AUTHORIZED GARBAGE OR RUBBISH DISPOSAL SITE, ALL RUBBISH, SCRAP, AND DEBRIS ACCUMULATED IN CONNECTION WITH HIS WORK AND SHALL DELIVER THE WORK IN A NEAT AND WORKMANLIKE MANNER.

4. DURING USE OF STREETS AND HIGHWAYS FOR WORK TO BE DONE UNDER THIS CONTRACT, DETERMINE AND CONFORM TO ALL STATE, COUNTY, AND LOCAL LAWS AND REGULATIONS. PROVIDE, ERECT, AND MAINTAIN EFFECTIVE BARRICADES, DANGER SIGNALS, AND SIGNS ON ALL INTERCEPTED STREETS OR HIGHWAYS FOR PROTECTION OF WORK AND SAFETY OF THE PUBLIC. ALL BARRICADES OR OBSTRUCTIONS WHICH ENCROACH ON, OR ARE ADJACENT TO, PUBLIC RIGHT-OF-WAYS SHALL BE PROVIDED WITH LIGHTS WHICH SHALL BE KEPT BURNING AT ALL TIMES BETWEEN SUNSET AND SUNRISE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGE RESULTING FROM ANY NEGLECT OR FAILURE TO MEET THESE REQUIREMENTS
5. ARRANGE WORK TO MINIMIZE AMOUNT OF DISTURBANCE TO NORMAL PEDESTRIAN AND VEHICULAR TRAFFIC AND PROVIDE ADEQUATE MEANS OF ACCESS TO ALL PUBLIC AND PRIVATE PROPERTIES DURING CONSTRUCTION. IF CONSTRUCTION WORK SHOULD REQUIRE REPAIRS, CHANGES, OR MODIFICATIONS OF OTHER UTILITIES, THE CONTRACTOR SHALL PROVIDE FOR MAINTENANCE OF CONTINUOUS WATER, ELECTRIC, TELEPHONE, GAS, SEWAGE, AND OTHER UTILITY SERVICES TO ALL CONNECTED CUSTOMERS OF SUCH UTILITIES UNLESS APPROVAL IN WRITING IS OBTAINED FROM UTILITY COMPANY OR OWNER FOR INTERRUPTION OF SUCH SERVICES.

6. RELOCATION OR REMOVAL OF EXISTING LANDSCAPE TREES SHALL BE COORDINATED WITH LANDSCAPE ARCHITECT.

7. EXISTING ASPHALT EDGE SHALL BE SAWCUT 1' MIN. AT ROADWAY LOCATION. ANY EXISTING THERMOPLASTIC STRIPING REMAINING SHALL BE GROUND OFF.

8. EXISTING SERVICES (WATER, IRRIGATION AND SEWER) NOT BEING UTILIZED FOR THIS PROJECT SHALL BE ABANDONED AT THE MAIN OR POINT AGREED UPON BY COUNTY UTILITY INSPECTOR, PER LEE COUNTY SPECIFICATIONS. WATER AND IRRIGATION SERVICES MUST BE ABANDONED AT THE MAIN. SEWER LATERALS MUST BE CAPPED AT THE R.O.W. WITH AN APPROVED LOCATOR DISK INSTALLED. A VISUAL INSPECTION MUST BE COMPLETED BY A LEE COUNTY UTILITY INSPECTOR.

CLEARING NOTES:

1. EXOTIC VEGETATION AS DEFINED BY LEE COUNTY LAND DEVELOPMENT CODE SHALL BE ERADICATED FROM THE SITE AND SUBSEQUENT ANNUAL EXOTIC ERADICATION (IN PERPETUITY) SHALL BE THE RESPONSIBILITY OF THE PROPERTY OWNER.

2. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, ALL EXISTING NATIVE VEGETATION TO BE RETAINED SHALL BE IDENTIFIED. THE CONTRACTOR SHALL INSTALL ENVIROFENCE (OR EQUAL) BEYOND THE DRIP LINES OF THE PRESERVED VEGETATION AND ALONG THE LIMITS OF CLEARING. THE FENCE SHALL REMAIN ERECTED AND MAINTAINED THROUGHOUT THE DURATION OF THE CONSTRUCTION ACTIVITIES.

LEGEND

TO BE REMOVED

VERTICAL ELEVATIONS BASED ON: NAVD 88

ALBERT A. MARTES-RODRIGUEZ
LICENSE
No. 98986
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
Albert A. Martes-Rodriguez, P.E.
LICENSE# 98986

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FULL SCALE = 20
HALF SCALE = 40

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DATE	BY	REVISION DESCRIPTION
06/04/26	AMR	INITIAL LEE COUNTY D.O. SUBMITTAL

AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD. S #200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

SHOPPES AT LEE BLVD.
LOT 3
5540 LEE BOULEVARD
LEHIGH ACRES, FLORIDA 33971

EXISTING CONDITIONS
AND DEMOLITION PLAN

#26-111/CONST.

4 OF 18

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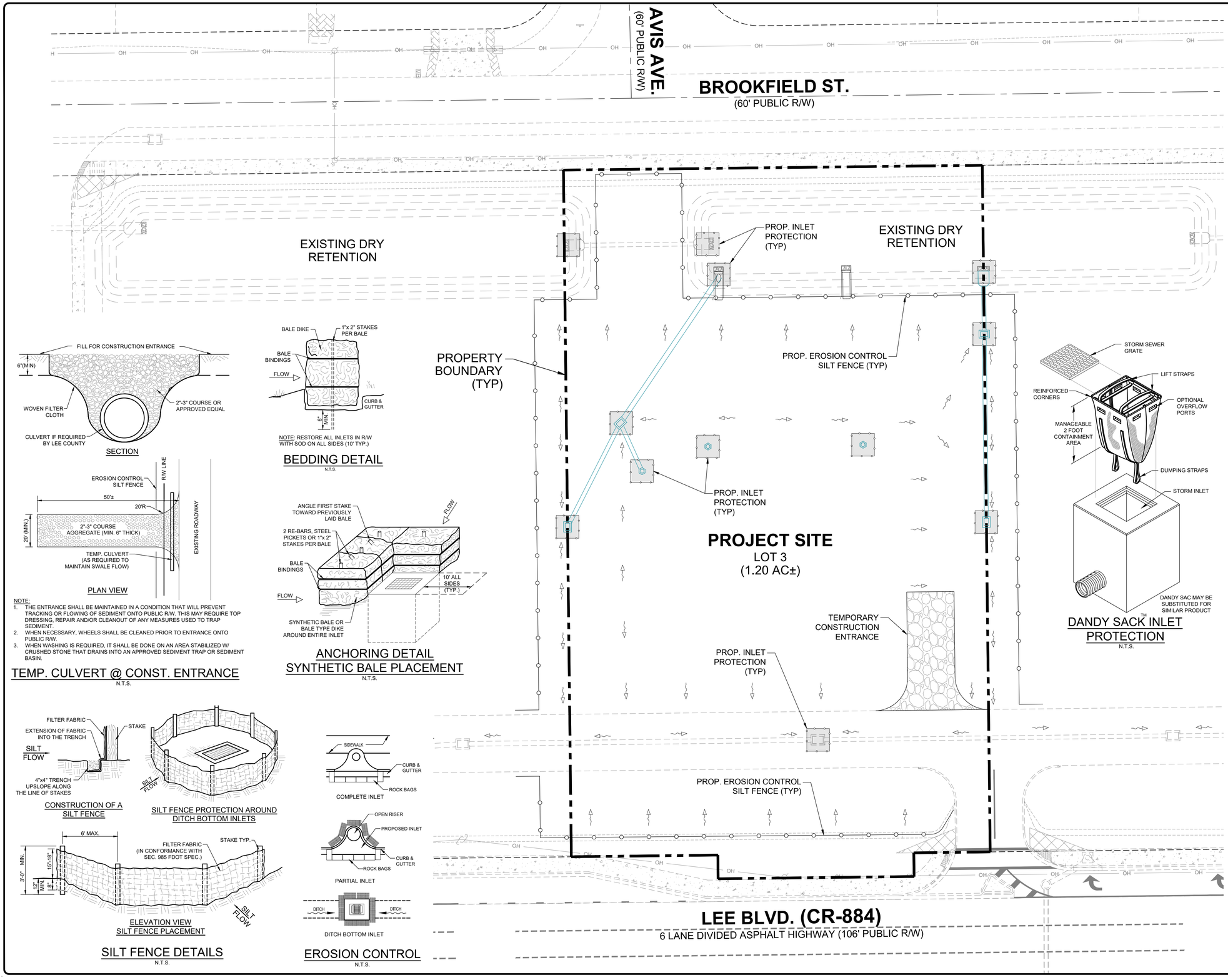

SECTION

NOTE: RESTORE ALL INLETS IN R/W WITH SOD ON ALL SIDES (10' TYP.)

BEDDING DETAIL
N.T.S.

PLAN VIEW

NOTE:
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC R/W. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC R/W.
3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED W/ CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

TEMP. CULVERT @ CONST. ENTRANCE
N.T.S.

ANCHORING DETAIL
SYNTHETIC BALE PLACEMENT
N.T.S.

CONSTRUCTION OF A SILT FENCE

SILT FENCE PROTECTION AROUND DITCH BOTTOM INLETS

ELEVATION VIEW
SILT FENCE PLACEMENT

SILT FENCE DETAILS
N.T.S.

EROSION CONTROL
N.T.S.

DANDY SACK INLET PROTECTION™
N.T.S.

EROSION CONTROL NOTES

1. THE CONTRACTOR SHALL ADHERE TO THE SEQUENCE OF OPERATIONS FOR EROSION CONTROL IMPLEMENTATION HEREON. ANY DEVIATION FROM THIS SEQUENCE DEEMED NECESSARY BY THE CONTRACTOR SHALL BE APPROVED BY THE OWNER.
2. THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS INVOLVED WITH THE CONSTRUCTION ACTIVITIES RELATED TO EROSION CONTROL AS SHOWN OR NOTED HEREON SHALL OBTAIN A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP), AS WELL AS THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT FOR THIS SITE, AND BECOME FAMILIAR WITH THEIR CONTENTS.
3. ALL WASH WATER SHALL BE DISPOSED OF IN A MANNER THAT PREVENTS CONTACT BETWEEN WASH WATER POLLUTANTS AND STORM RUNOFF DISCHARGED FROM THIS SITE.
4. OIL AND GREASE ABSORBING MATERIALS SHALL BE READILY AVAILABLE ON-SITE AND SHALL BE PROMPTLY USED TO CONTAIN AND/OR CLEAN UP ALL FUEL OR CHEMICAL SPILLS OR LEAKS.
5. DUST CONTROL SHALL BE ACCOMPLISHED BY WATERING DRY, EXPOSED AREAS ON A REGULAR BASIS. SPRAYING OF PETROLEUM BASED OR TOXIC LIQUIDS FOR THIS IS PROHIBITED.
6. ALL CITY RIGHT-OF-WAYS THAT ARE DISTURBED DURING CONSTRUCTION SHALL BE PERMANENTLY SODDED PRIOR TO THE COMPLETION OF THE PROJECT.
7. DISTURBED AREAS OF THE SITE WHERE CONSTRUCTION AREAS HAVE PERMANENTLY CEASED SHALL BE PERMANENTLY SEEDED OR SODDED, AS SHOWN ON THE ATTACHED PLAN, WITHIN FOURTEEN DAYS.
8. ALL VEHICLES SHALL BE CLEANED AT THE CONSTRUCTION SITE PRIOR TO EXITING.
9. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED ONTO ADJACENT ROADWAYS BY VEHICLES EXITING THE SITE SHALL BE CLEANED OR REMOVED IMMEDIATELY.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROMPT REMOVAL OF ALL ACCUMULATED SILT IN THE STORM SEWER SYSTEM AND ALONG SILT FENCES.
11. SILT FENCES SHALL BE PLACED AROUND ANY STOCKPILES USED ON THIS SITE.
12. ANY ADDITIONAL EROSION CONTROL MEASURES REQUIRED TO ENSURE COMPLIANCE WITH THE U.S.E.P.A., FLORIDA DEP AND LOCAL GOVERNING AGENCY STORM WATER POLLUTION REGULATIONS SHALL BE IMPLEMENTED BY THE CONTRACTOR, AT NO ADDITIONAL COST TO THE OWNER.
13. ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED AND PROPERLY DISPOSED OF OFF-SITE WITHIN THIRTY DAYS AFTER STABILIZATION OF ALL SURFACES.
14. THE CONTRACTOR SHALL ASSUME LIABILITY FOR DAMAGE TO ADJACENT PROPERTIES AND/OR PUBLIC RIGHT-OF-WAY RESULTING FROM FAILURE TO FULLY IMPLEMENT AND EXECUTE ALL EROSION CONTROL PROCEDURES SHOWN AND NOTED IN THE PLANS.
15. WHENEVER DIRT, ROCK OR OTHER MATERIALS ARE EXPORTED FOR USE OFF OF THE PRIMARY CONSTRUCTION SITE, THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THAT EPA STORMWATER PERMITTING REQUIREMENTS ARE MET. PRIOR TO ANY EXPORT OF MATERIALS, THE CONTRACTOR SHALL FURNISH THE ENGINEER WITH A WRITTEN AGREEMENT WITH ANY LANDOWNER WHO WILL RECEIVE EXPORTED MATERIALS, STATING THAT THE SITE WILL BE PROPERLY PERMITTED WHEN REQUIRED AND DESCRIBE THE EROSION CONTROL MEASURES WHICH WILL BE USED. AT A MINIMUM, EROSION CONTROL MEASURES MUST CONSIST OF PERIMETER CONTROLS (SYNTHETIC BALES OR SILT FENCES) ON ALL DOWNSLOPE AND SIDESLOPE BOUNDARIES OF ANY DISTURBED AREAS, PLUS PROVISIONS FOR RE-VEGETATION AFTER THE FILL MATERIALS ARE IN PLACE.
16. PRIOR TO CONSTRUCTION FILTER FABRIC SILT FENCE, OR OTHER APPROVED EROSION CONTROL DEVICES SHALL BE INSTALLED ACROSS THE SWALE AT THE LOWEST DISTURBED POINT TO PREVENT EROSION MATERIAL FROM LEAVING THE CONSTRUCTION AREA, INCLUDING ANY VACANT AREAS USED FOR INGRESS AND EGRESS. ALTERNATIVE USES COULD BE GEO-HAY, WADDLES, TERRA TUBES, SEDIMENT LOGS, ETC.
17. ALL AFFECTED STORMWATER PIPES, INLETS AND CATCH BASINS SHALL BE PROTECTED BY EROSION CONTROL DEVICES TO PREVENT CONSTRUCTION RELATED EROSION MATERIAL FROM ENTERING THE STORMWATER SYSTEM. SHOULD THE EROSION CONTROLS NOT BE INSTALLED AND/OR FAIL THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING THE ENTIRE SYSTEM AS DEEMED NECESSARY BY THE ENGINEER AND GOVERNING AGENCY.
18. THE EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO ANY CONSTRUCTION PROCESS AND SHALL REMAIN IN PLACE UNTIL STABILIZED WITH SOD AND THE VACANT AREAS ARE SEEDED AND MULCHED.
19. REFER TO FDOT EROSION AND SEDIMENT CONTROL MANUAL & DETAILS.
20. ALL DEWATERING SHALL BE IN ACCORDANCE WITH S.F.W.M.D. CRITERIA .

NOTES:

1. DOUBLE-ROW SILT FENCING TO BE REMOVED ONCE SURROUNDING SIDE SLOPES HAVE BEEN STABILIZED.
2. DOUBLE-ROW SILT FENCING TO BE IN ACCORDANCE WITH FLORIDA EROSION AND SEDIMENT CONTROL INSPECTORS MANUAL. THE SECOND ROW SHOULD BE LOCATED LANDWARD OF THE LIMITS OF CONSERVATION EASEMENT BOUNDARY WITH A 3' MINIMUM SPACE BETWEEN THE FIRST AND SECOND ROW

CONTRACTOR TO SUPPLY
"SIDEWALK CLOSED"
SIGNAGE AS REQUIRED

LEGEND

- STAKED SILT FENCE
- SURFACE HYDROLOGY
- TURBIDITY BARRIER
- STAKED SYNTHETIC HAY BALE OR STAKED SILT FENCE @ INLETS

VERTICAL ELEVATIONS BASED ON: NAVD 88

ALBERT A. MARTES-RODRIGUEZ LICENSE No. 98986 STATE OF FLORIDA PROFESSIONAL ENGINEER
Albert A. Martes-Rodriguez, P.E.
LICENSE# 98986

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CAPE CORAL, FLORIDA 33904
(239) 573-2077
FBPE#3128

SHOPPES AT LEE BLVD.
LOT 3
5540 LEE BOULEVARD
LEHIGH ACRES, FLORIDA 33971

EROSION CONTROL PLAN

#26-111/CONST.

5 OF 18

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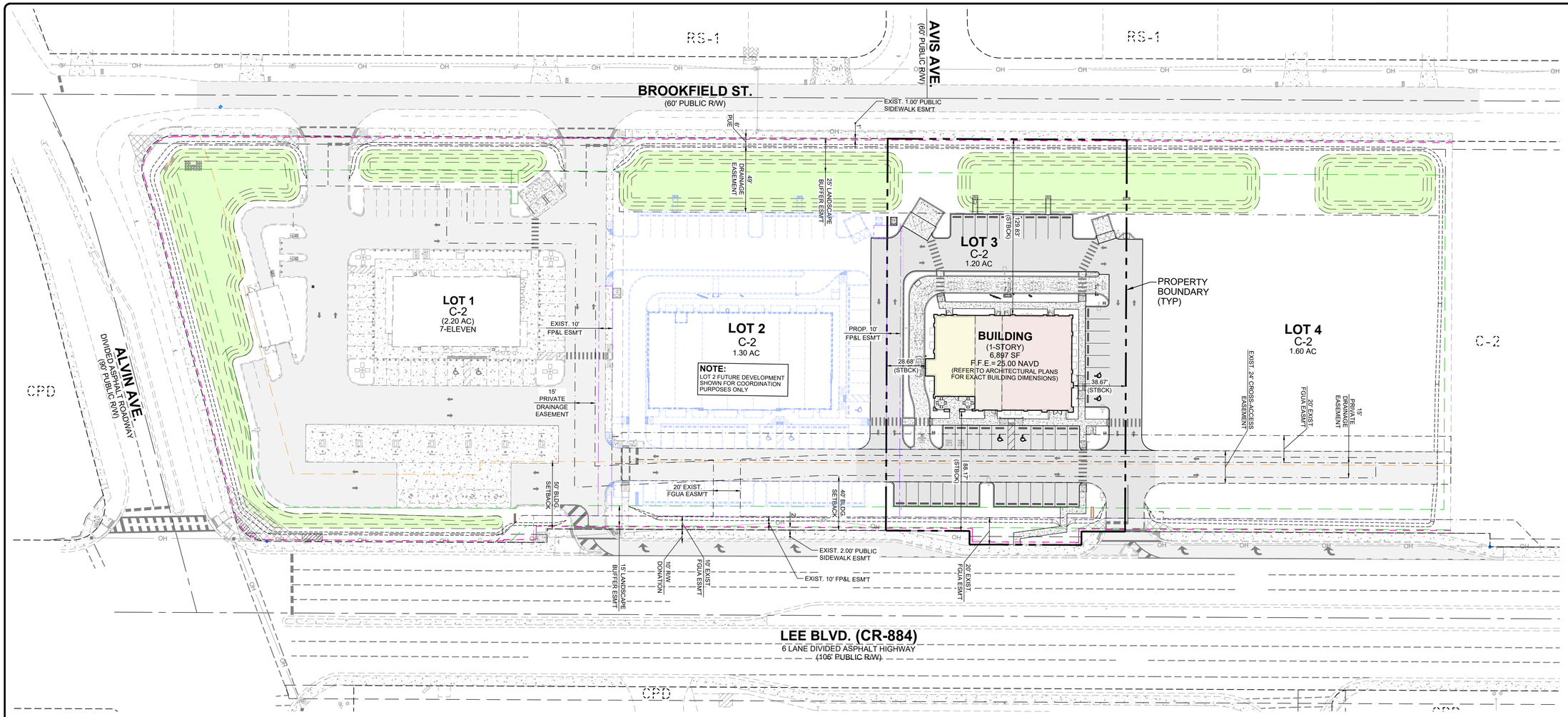

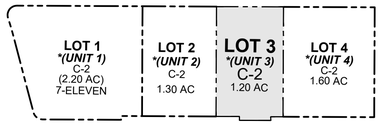

TRACT MAP
NTS

*NOTE:

PER INSTR# 2026000116336, THE DECLARATION OF CONDOMINIUM OF SHOPPES AT LEE BLVD, A COMMERCIAL LAND CONDOMINIUM, THE TERM "UNIT" WAS USED TO DESCRIBE EACH LOT.

BACK-BONE INFRUSTRUCTURE:

BACK-BONE INFRASTRUCTURE CONSTRUCTED AS PART OF DOS2024-00051

HVAC / MECH. EQUIP. NOTE

HVAC / MECHANICAL EQUIPMENT IS TO BE LOCATED ON THE ROOF OF THE PROPOSED CONVENIENCE STORE BUILDING. SEE ARCHITECTURAL PLANS FOR MORE DETAIL.

MISC. WALK & STRIPING NOTES

THICKENED EDGE WALKS ADJACENT TO BUILDINGS AND PARKING SPACES SHALL BE 5' IN WIDTH WITH CONC. WHEEL GUARD. THICKENED EDGE WALK ADJACENT TO BUILDING SHALL BE 5' MIN. WIDTH. ALL OTHER WALKS SHALL BE 5' MIN. WIDTH UNLESS OTHERWISE SHOWN.

BUILDING SETBACKS				
BUILDING	SIDE (EAST)	REAR (NORTH)	SIDE (WEST)	FRONT (SOUTH)
BUILDING	38.67	129.83	28.68	88.17

REFUSE/WASTE MANAG. REQ.

COMMERCIAL BUSINESS (5,001 SQ.FT. TO 10,000 SQ.FT.):
MIN. SQ. FT. FOR GARBAGE COLLECTION: 80 SQ.FT.
MIN. SQ. FT. FOR RECYCLABLE COLLECTION: 48 SQ.FT.

LOT 3 (MIXED-USE BUILDING)
GARBAGE COLLECTION REQ.: 80 SQ.FT. MIN.
GARBAGE COLLECTION PROV.: 284 SQ.FT. (INTERIOR)

RECYCLABLE COLLECTION REQ.: 48 SQ.FT. MINIMUM
RECYCLABLE COLLECTION PROV.: 100 SQ.FT. (INTERIOR)

BOTH GARBAGE AND RECYCLING AREAS ARE PROVIDED IN "SINGLE (12'x12') & DOUBLE (12'x20') MASONRY TRASH PAD ENCLOSURES

OVERALL SUBDIVISION SITE AREAS:

ORIGINAL PARCEL AREA:	6.44 AC	
RIGHT-OF-WAY DEDICATION:	0.14 AC	
PROJECT AREA:	6.30 AC	(100%)
BUILDING:	0.29 AC	(4.6%)
(CONV. STORE & CARWASH FOUNDATIONS)		
PAVEMENT:	2.19 AC	(34.8%)
(CONCRETE & PAVEMENT AREAS)		
STORMWATER AREA:	0.87 AC	(13.8%)
GREEN SPACE AREA:	2.95 AC	(46.9%)
TOTAL IMPERVIOUS AREA:	2.49 AC	(39.5%)
TOTAL OPEN SPACE AREA:	3.82 AC	(60.6%)
OFFSITE IMPERVIOUS AREAS:	0.39 AC	

MASTER SYSTEM MAXIMUM BUILD-OUT SITE AREAS:

PAVEMENT AREA	3.72 AC
BUILDING COVERAGE AREA	0.75 AC

LOT 1 SITE AREAS: "EXISTING"

TOTAL SITE AREA:	95,791 SF	2.20 AC	(100%)
BUILDING:	5,855 SF	0.13 AC	(6.1%)
(BUILDING & CARWASH FOUNDATIONS)			
PAVEMENT:	36,342 SF	0.83 AC	(37.9%)
CONCRETE:	18,544 SF	0.43 AC	(19.4%)
(CONC.: WALKS, CURBS, DRIVEWAYS, PARKING & DUMPSTER)			
STORMWATER AREA:	15,400 SF	0.35 AC	(16.1%)
GREEN SPACE AREA:	19,650 SF	0.45 AC	(20.5%)
TOTAL IMPERVIOUS AREA:	60,741 SF	1.39 AC	(63.4%)
TOTAL OPEN SPACE AREA:	35,050 SF	0.80 AC	(36.6%)

LOT 2 SITE AREAS: "FUTURE"

TOTAL SITE AREA:	56,638 SF	1.30 AC	(100%)
BUILDING:	00 SF	0.00 AC	(0.0%)
(BUILDING FOUNDATION)			
PAVEMENT:	6,583 SF	0.15 AC	(11.6%)
CONCRETE:	302 SF	0.01 AC	(0.5%)
(CONC.: WALKS, CURBS & DUMPSTER)			
STORMWATER AREA:	8,421 SF	0.19 AC	(14.9%)
GREEN SPACE AREA:	41,332 SF	0.95 AC	(73.0%)
TOTAL IMPERVIOUS AREA:	6,885 SF	0.16 AC	(12.1%)
TOTAL OPEN SPACE AREA:	49,753 SF	1.14 AC	(87.9%)

MAXIMUM FUTURE BUILD-OUT SITE AREAS:

PAVEMENT AREA	0.64 AC
BUILDING COVERAGE AREA	0.22 AC

LOT 3 SITE AREAS: "PROPOSED"

TOTAL SITE AREA:	52,139 SF	1.20 AC	(100%)
BUILDING:	6,897 SF	0.16 AC	(13.2%)
(BUILDING FOUNDATION)			
PAVEMENT:	19,466 SF	0.45 AC	(37.4%)
CONCRETE:	7,817 SF	0.18 AC	(15.0%)
(CONC.: WALKS, CURBS & DUMPSTER)			
STORMWATER AREA:	5,813 SF	0.13 AC	(11.1%)
GREEN SPACE AREA:	12,146 SF	0.28 AC	(23.3%)
TOTAL IMPERVIOUS AREA:	34,180 SF	0.79 AC	(65.6%)
TOTAL OPEN SPACE AREA:	17,959 SF	0.41 AC	(34.4%)

LOT 4 SITE AREAS: "FUTURE"

TOTAL SITE AREA:	69,821 SF	1.60 AC	(100%)
BUILDING:	00 SF	0.00 AC	(0.0%)
(BUILDING FOUNDATION)			
PAVEMENT:	6,333 SF	0.15 AC	(9.1%)
CONCRETE:	64 SF	0.00 AC	(0.1%)
(CONC.: WALKS, CURBS & DUMPSTER)			
STORMWATER AREA:	7,996 SF	0.18 AC	(11.5%)
GREEN SPACE AREA:	55,428 SF	1.27 AC	(79.4%)
TOTAL IMPERVIOUS AREA:	6,397 SF	0.15 AC	(9.2%)
TOTAL OPEN SPACE AREA:	63,424 SF	1.46 AC	(90.8%)

MAXIMUM FUTURE BUILD-OUT SITE AREAS:

PAVEMENT AREA	1.19 AC
BUILDING COVERAGE AREA	0.24 AC

LEGEND

- EXISTING DRY RETENTION / DETENTION AREA
- EXISTING ASPHALT PAVEMENT
- PROPOSED ASPHALT PAVEMENT

VERTICAL ELEVATIONS BASED ON: NAVD 88

ALBERT A. MARTES-RODRIGUEZ LICENSE No. 98986 STATE OF FLORIDA PROFESSIONAL ENGINEER

Albert A. Martes-Rodriguez, P.E.
LICENSE# 98986

FULL SCALE = 40
HALF SCALE = 80

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FBPE#3128 (239) 573-2077

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LOT 3
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MASTER SITE DIMENSION AND STRIPING PLAN

#26-111/CONST.

6 OF 18

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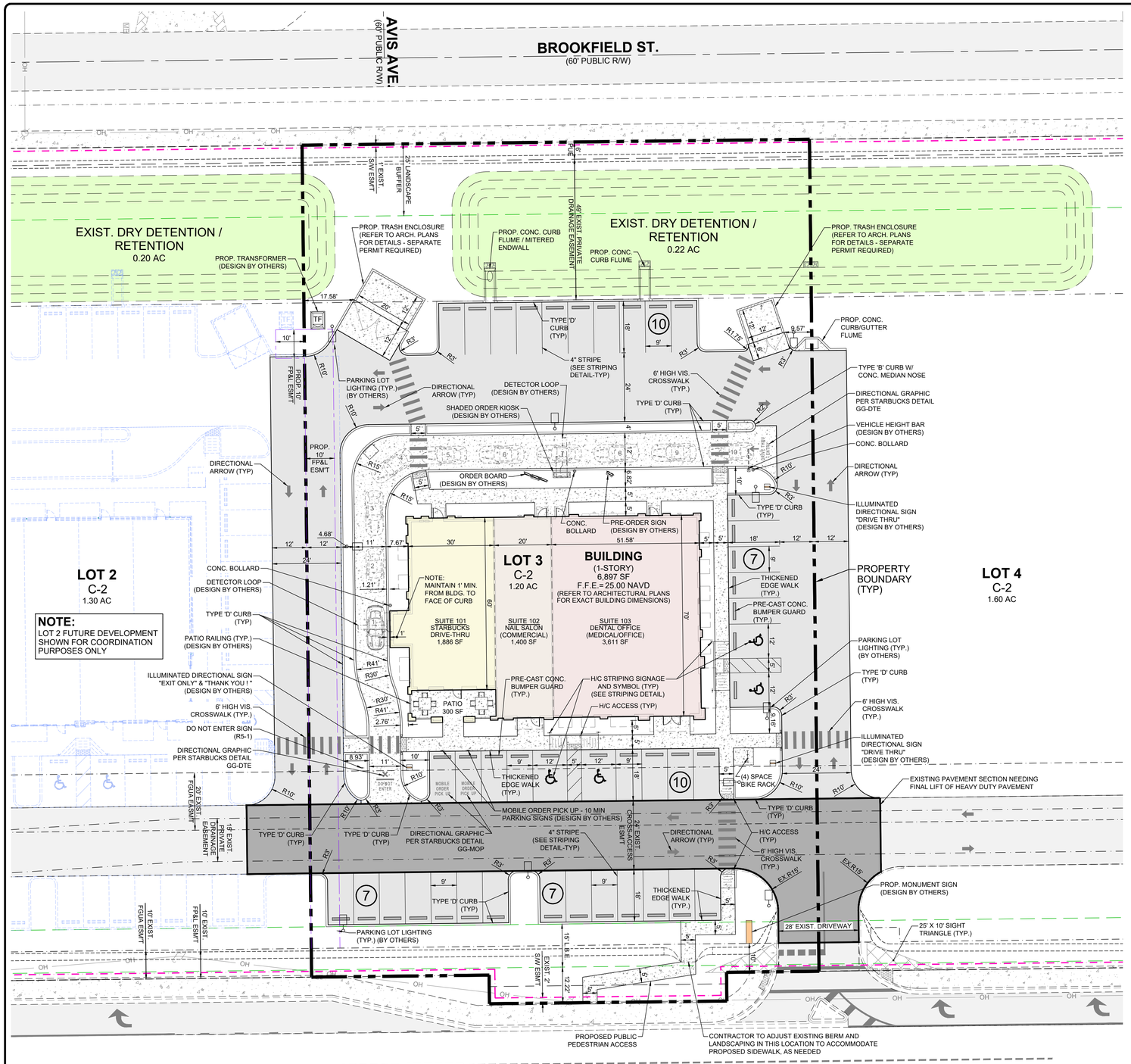

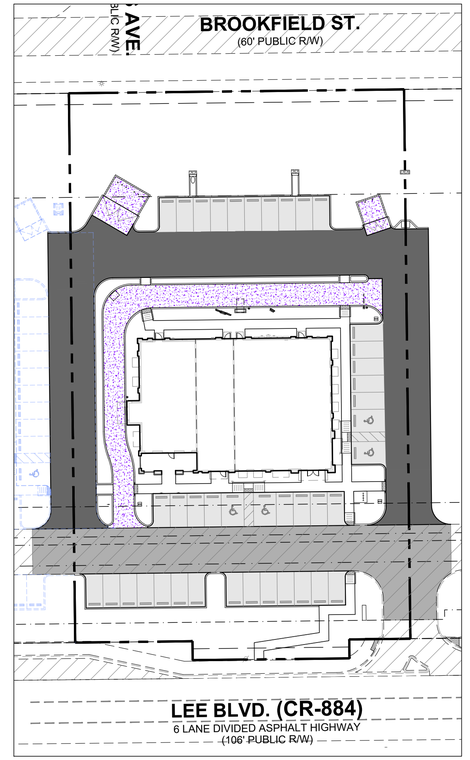

PAVEMENT KEY MAP

N.T.S.

- HEAVY DUTY PAVEMENT SECTION (ON-SITE: 7,630 SF) (OFF-SITE: 3,791 SF)
- STANDARD PAVEMENT SECTION (ON-SITE: 7,034 SF)
- TYPICAL HEAVY DUTY CONCRETE PAVEMENT (ON-SITE: 3,834 SF)
- EXISTING PAVEMENT SECTION NEEDING FINAL LIFT OF HEAVY DUTY PAVEMENT (ON-SITE: 4,661 SF) (OFF-SITE: 1,467 SF)
- EXISTING PAVEMENT SECTION

FULL SCALE = 40
HALF SCALE = 80

PARKING SUMMARY - (MULTI-USE BLDG.)

SUITE:	SCHEDULE OF USES:	AREA:	CALCULATION	REQ. SPACES
101	REST. DRIVE-THRU W/ PATIO	1,886 + 300 = 2,186 SF	13 SP. PER 1,000 SF	29 SPACES
102	NAIL SALON	1,400 SF	1 SP. PER 350 SF	4 SPACES
103	MEDICAL/OFFICE	3,611 SF	1 SP. PER 250 SF	15 SPACES
TOTAL REQUIRED			29 + 14 + 15 =	48 SPACES

PARKING PROVIDED: *(NOTE 45% PARKING REDUCTION ALLOWED BY M.U.O.L.D.)*

STANDARD	HANDICAP	TOTAL		BICYCLE PARKING
9'x18'	12'x18'			5% OF REQ. SPACES
37 SPACES	4 SPACES	**41 SPACES**		4 SPACES PROVIDED

OPEN SPACE PARAMETERS:

SITE AREA: 52,139 SF 1.20 AC. (100%)

OPEN SPACE
REQUIRED MIN. OPEN SPACE: 10,428 SF / 0.24 AC. (20%)
PROVIDED OPEN SPACE: 17,959 SF / 0.41 AC. (34.4%)

MISC. WALK & STRIPING NOTES

THICKENED EDGE WALKS ADJACENT TO BUILDINGS AND PARKING SPACES SHALL BE 5' IN WIDTH WITH CONC. WHEEL GUARD. THICKENED EDGE WALK ADJACENT TO BUILDING SHALL BE 5' MIN. WIDTH. ALL OTHER WALKS SHALL BE 5' MIN. WIDTH UNLESS OTHERWISE SHOWN.

VERTICAL ELEVATIONS BASED ON: NAVD 88

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SITE DIMENSION AND STRIPING PLAN

#26-111/CONST.

7 OF 18

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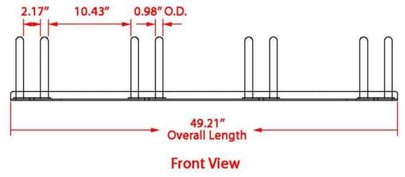
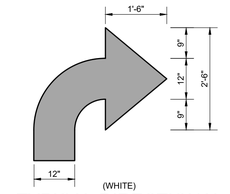


Material:	14-gauge steel tubing
Finish:	Galvanized PLUS clear coat finish
Tire Space:	2.17"
Weight:	25 lbs.

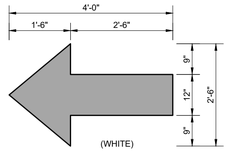
4 UNIT GROUND BIKE RACK

(OR APPROVED EQUAL)
U:\DETAILS\STRIPING\DETAIL
N.T.S.



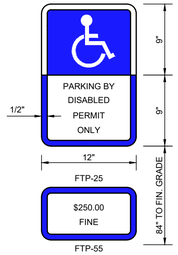
TYPICAL DIRECTIONAL ARROW ON SITE

ST-ARDTL.dwg (2005)
N.T.S.



DIRECTIONAL ARROW ON SITE

N.T.S.



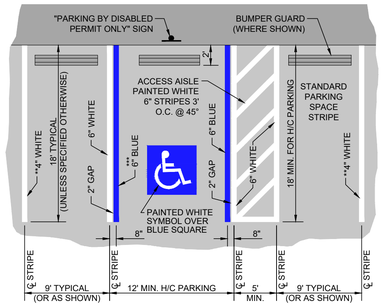
ALL LETTERS ARE 1" SERIES 'C'.

TOP PORTION OF SIGN SHALL HAVE A REFLECTORIZED BLUE BACKGROUND W/ WHITE REFLECTORIZED LEGEND & BORDER.

BOTTOM PORTION OF SIGN SHALL HAVE A REFLECTORIZED WHITE BACKGROUND W/ BLACK OPAQUE LEGEND & BORDER.

TYPICAL HANDICAP SIGN

ST-HC-SIGN.dwg (2006)
N.T.S.



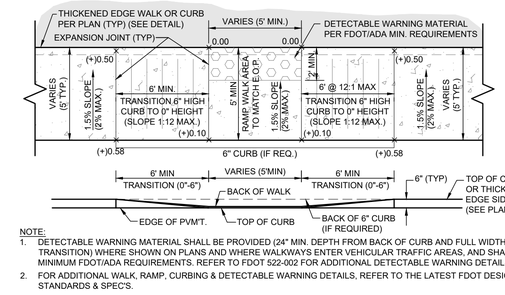
** TYPICAL 4" WHITE PARKING LOT STRIPING UNLESS OTHERWISE NOTED
6" STRIPING ADJACENT TO H/C SPACE & ACCESS AISLE
*** WHEN THERE IS A BACK TO BACK HC SPACE, THERE SHALL BE A WHITE STRIPE IN BETWEEN THE TWO BLUE STRIPES TO DELINEATE THE HC SPACE. THERE SHALL BE A 2" GAP IN BETWEEN ALL STRIPES.

STRIPING NOTE:

1. ALL PAVEMENT MARKING AND STRIPING WITHIN SITE SHALL BE IN ACCORDANCE WITH M.U.T.C.D.
2. ALL STRIPING AND PAVEMENT MARKINGS SHALL BE TWO (2) COATS OF TRAFFIC REFLECTIVE PAINT (F.D.O.T. SECT. #710) FOR ADDITIONAL INFORMATION SEE PARKING
3. FOR CONCRETE SURFACE OPTIONAL SHERWIN WILLIAMS SETFAST CHLORINATED RUBBER ZONE MARKING PAINT (SPEC. TM5127 LEAD-FREE YELLOW), FOR ADDITIONAL INFORMATION SEE PARKING SPACE STRIPING COLOR DETAIL ABOVE.
4. ALL MARKING WITHIN A PUBLIC R/W SHALL BE IN THERMOPLASTIC, UNLESS OTHERWISE NOTED.

TYPICAL STRIPING DETAIL

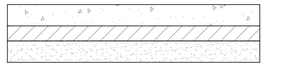
N.T.S.



NOTE:
1. DETECTABLE WARNING MATERIAL SHALL BE PROVIDED (24" MIN. DEPTH FROM BACK OF CURB AND FULL WIDTH OF FLUSH TRANSITION) WHERE SHOWN ON PLANS AND WHERE WALKWAYS ENTER VEHICULAR TRAFFIC AREAS, AND SHALL MEET MINIMUM FDOT/ADA REQUIREMENTS. REFER TO FDOT 522-002 FOR ADDITIONAL DETECTABLE WARNING DETAILS AND NOTES.
2. FOR ADDITIONAL WALK, RAMP, CURBING & DETECTABLE WARNING DETAILS, REFER TO THE LATEST FDOT DESIGN, STANDARDS & SPEC'S.

HANDICAP RAMP TYPE #2

CB-RAMP-2.dwg (2008)
(NTS)



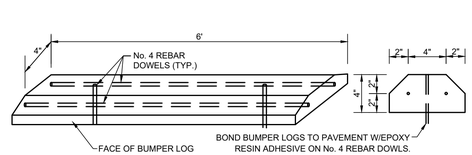
6" THICK PORTLAND CEMENT CONCRETE (3,000 PSI MIN.)

4" LIMEROCK BASE COURSE COMPACTED TO A MIN DENSITY OF 98% AASHTO T-180 F.D.O.T. SPEC 200 (LBR 100)

6" STABILIZED SUBGRADE AND SHOULDERS (L.B.R.40) COMPACTED TO A MIN. OF 98% AASHTO T-180 F.D.O.T. SPEC. 100

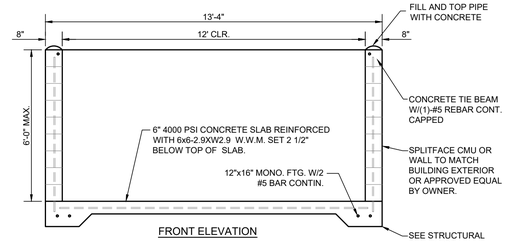
TYPICAL R/W SIDEWALK SECTION

N.T.S.

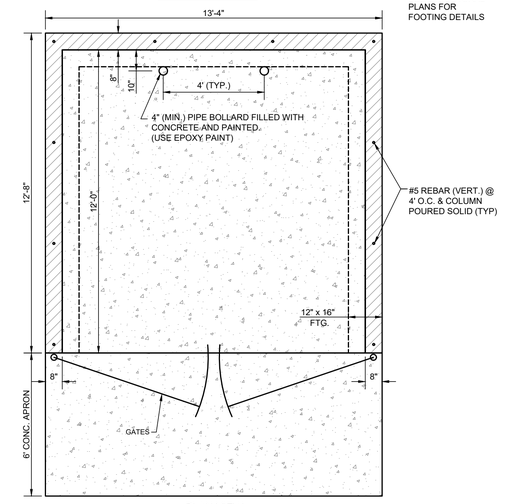


6' PRE-CAST CONC. BUMPER GUARD

F.D.O.T. 2016 INDEX 520-001
ST-BLDTL.dwg (2016)
N.T.S.



FRONT ELEVATION



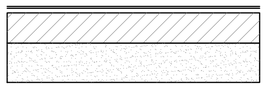
PLAN VIEW

GENERAL NOTES:

1. ALL FOUNDATION & APRON CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS AND A MAXIMUM AGGREGATE SIZE OF 3/4".
2. A MINIMUM OF 22' FEET OF CLEAR HEIGHT IS REQUIRED ABOVE ALL ENCLOSURES.
3. CONTRACTOR SHALL SUPPLY AND INSTALL ALL MATERIALS UNLESS OTHERWISE NOTED.
4. GATES SHALL MAINTAIN 12' CLEAR OPENING.
5. GATES SHALL BE (WOOD, PLASTIC, OR VINYL ONLY PER AUTHORITY HAVING JURISDICTION) SEE ARCHITECTURAL PLANS FOR DETAILS.
6. CONTRACTOR TO SUPPLY SHOP DRAWINGS FOR ALL DUMPSTER ENCLOSURE HARDWARE INCLUDING GATES PRIOR TO INSTALLATION.

12'x12' (I.D.) MASONRY TRASH PAD ENCLOSURE DETAIL (W/ GATES)

N.T.S.



HEAVY DUTY (HD) PAVEMENT SECTION WITHIN CITY R/W & (ON-SITE WHERE SHOWN)

(2.5") 1.5" ASPHALTIC CONC (SP-12.5) BASE AND & 1" (SP-9.5) TOP WEARING SURFACE FDOT SPEC 334, OVER TACK COAT FOR CITY RIGHT OF WAY

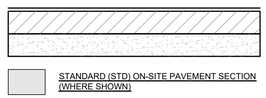
PRIME COAT,GRADE RC-70 OR RC-250,SHALL BE APPLIED AT A RATE OF 0.10 GAL. SQ. YD. F.D.O.T. SPEC. 300

8" LIMEROCK BASE COURSE COMPACTED TO A MIN DENSITY OF 98% AASHTO T-180 F.D.O.T. SPEC 200 (LBR 100)

12" STABILIZED SUBGRADE AND SHOULDERS (L.B.R.40) COMPACTED TO A MIN. OF 98% AASHTO T-180 F.D.O.T. SPEC. 100

TYP. H.D. PAVEMENT SECTION

N.T.S.



STANDARD (STD) ON-SITE PAVEMENT SECTION (WHERE SHOWN)

(2" TOTAL) 1" ASPHALTIC CONC (SP-9.5) & 1" (SP-9.5) WEARING SURFACE FDOT SPEC 334, OVER TACK COAT

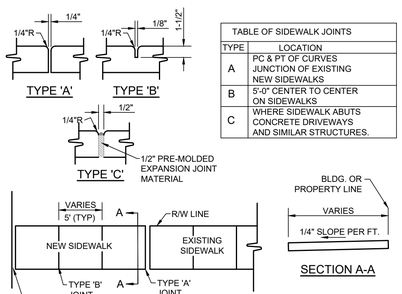
PRIME COAT,GRADE RC-70 OR RC-250,SHALL BE APPLIED AT A RATE OF 0.10 GAL. SQ. YD. F.D.O.T. SPEC. 300

6" LIMEROCK BASE COURSE COMPACTED TO A MIN DENSITY OF 98% AASHTO T-180 F.D.O.T. SPEC 200 (LBR 100)

12" STABILIZED SUBGRADE AND SHOULDERS (L.B.R.40) COMPACTED TO A MIN. OF 98% AASHTO T-180 F.D.O.T. SPEC. 100

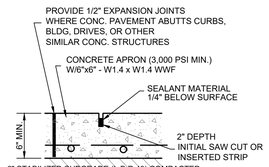
TYPICAL STANDARD PAVEMENT SECTION

N.T.S.



HIGH VISIBILITY CROSSWALK FOR PARKING LOTS

ST-HIGH-VIS-X-WALK .dwg (2017)
N.T.S.



TYPICAL HEAVY DUTY CONCRETE PAVEMENT

PAV-CONC.dwg (2007)
N.T.S.

TABLE OF SIDEWALK JOINTS	
TYPE	LOCATION
A	PC & PT OF CURVES JUNCTION OF EXISTING NEW SIDEWALKS
B	5'-0" CENTER TO CENTER ON SIDEWALKS
C	WHERE SIDEWALK ABUTS CONCRETE DRIVEWAYS AND SIMILAR STRUCTURES.

NOTE:
3,000 PSI MIN. CONCRETE (MIN. 4" THICK) FOUNDATION SHALL BE FREE OF SOD AND OTHER ORGANIC MATERIAL. SAW CUT JOINTS SHALL BE ON 5' CENTER.

SIDEWALK JOINTS DETAIL

N.T.S.

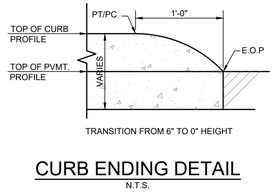
TYPICAL CONCRETE APRON PAVEMENT

N.T.S.



THICKENED EDGE CONC WALK

N.T.S.



TRANSITION FROM 6" TO 0" HEIGHT

CURB ENDING DETAIL

N.T.S.

TYPE "D" CURB

N.T.S.

NOTE: FOR USE ADJACENT TO CONCRETE OR FLEXIBLE PAVEMENT, CONCRETE SHOWN. EXPANSION JOINT, PERFORMED JOINT FILLER AND JOINT SEAL ARE REQUIRED BETWEEN CURBS AND CONCRETE PAVEMENT ONLY.

TYPE 'B' CURB

N.T.S.

CURBING NOTES:

1. CONCRETE FOR CURB AND GUTTER SHALL BE FDOT CLASS I WITH A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 3,000 P.S.I.
2. WHEN USED ON HIGH SIDE OF ROADWAY, THE CROSS SLOPE OF THE GUTTER SHALL MATCH THE CROSS SLOPE OF THE ADJACENT PAVEMENT. THE THICKNESS OF THE LIP SHALL BE 6" MIN.
3. CONSTRUCT 1/2" EXPANSION JOINTS AT 100' O.C. AND SAW CUT CONTRACTION JOINTS AT 10' O.C. (MAX.).
4. REFER TO FDOT INDEX #520-001 FOR ADDITIONAL DETAILS
5. LOCATIONS FOR USE OF REVEAL WILL BE DETERMINED BY THE ENGINEERING DEPT. AT TIME OF STAKEOUT
6. MIN. SAW CUT DEPTH IS 1/4 THE DEPTH OF THE MIN. CURB DEPTH FOR VALLEY GUTTER. SAW CUT DEPTHS FOR TYPES 'E' AND 'F' CURBS PER FDOT INDEX #520-001.

ALBERT A. MARTES-RODRIGUEZ
LICENSE
No. 98986
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Albert A. Martes-Rodriguez, P.E.
LICENSE# 98986

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004,FAC

DATE	BY	REVISION DESCRIPTION
06/04/26	AMR	INITIAL LEE COUNTY D.O. SUBMITTAL

AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD. S #200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

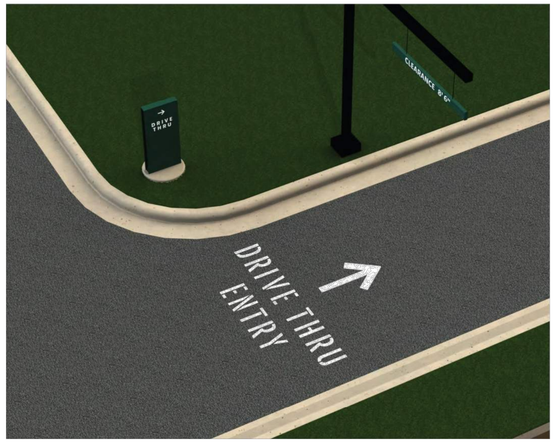
SHOPPES AT LEE BLVD.
LOT 3
5540 LEE BOULEVARD
LEHIGH ACRES, FLORIDA 33971

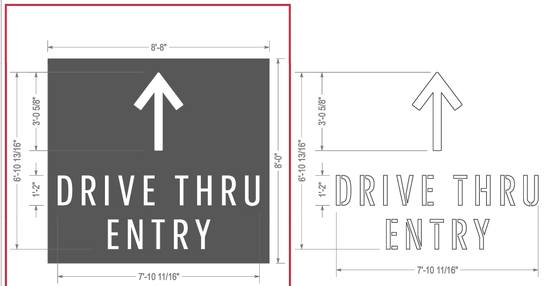
TYPICAL PAVING AND STRIPING DETAILS (A)

#26-111/CONST.

VERTICAL ELEVATIONS BASED ON: NAVD 88

P:\CAD\2026\26-111\CONSTRUCTION\PLOT\26-111-08-09 - SITE-DTLS.dwg, 08 TYP PAV & STRIP DTLS (A), 6/4/2026 2:30:49 PM, 2025 Avalon Engineering Inc., 2025 Avalon Engineering Inc.





Scale: 3/8" = 1'-0"

THERMAL
THERMAL TO HAVE BLACK BACKGROUND / WHITE COPY

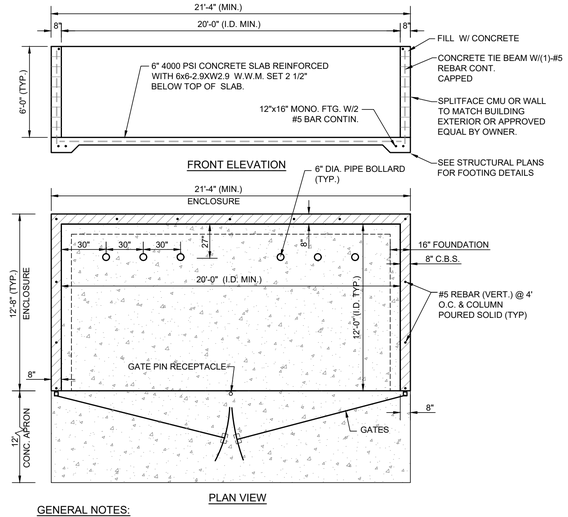
STENCIL / PAINT
WHITE COPY PAINTED ONTO BLACKTOP

Ground Graphics are to be either Thermal applied or stenciled and painted white.

GROUND SIGN | GROUND GRAPHIC PACKAGE

23114

GG-DTE



PLAN VIEW

GENERAL NOTES:

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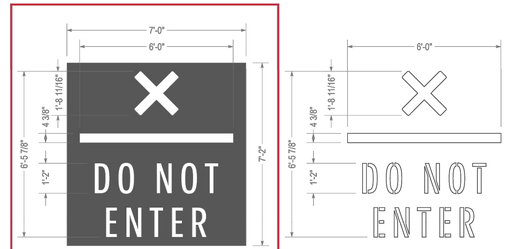
4. GATES SHALL MAINTAIN 12' CLEAR OPENING.
5. GATES SHALL BE (WOOD, PLASTIC, OR VINYL ONLY PER AUTHORITY HAVING JURISDICTION) SEE ARCHITECTURAL PLANS FOR DETAILS.
6. CONTRACTOR TO SUPPLY SHOP DRAWINGS FOR ALL DUMPSTER ENCLOSURE HARDWARE INCLUDING GATES PRIOR TO INSTALLATION.

DOUBLE MASONRY TRASH PAD ENCLOSURE DETAIL (W/ ROLLER GATES)

N.T.S.





Scale: 3/8" = 1'-0"

THERMAL
THERMAL TO HAVE BLACK BACKGROUND / WHITE COPY

STENCIL / PAINT
WHITE COPY PAINTED ONTO BLACKTOP

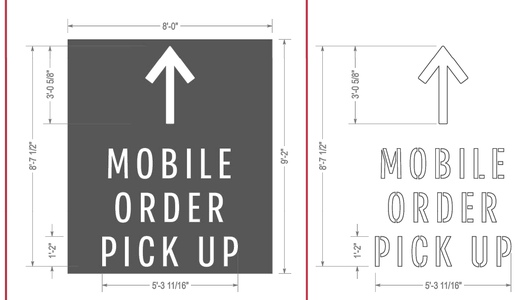
Ground Graphics are to be either Thermal applied or stenciled and painted white.

GROUND SIGN | GROUND GRAPHIC PACKAGE

23116

GG-DNE





Scale: 3/8" = 1'-0"

THERMAL
THERMAL TO HAVE BLACK BACKGROUND / WHITE COPY

STENCIL / PAINT
WHITE COPY PAINTED ONTO BLACKTOP

Ground Graphics are to be either Thermal applied or stenciled and painted white.

GROUND SIGN | GROUND GRAPHIC PACKAGE

23126 Thermal

GG-MOP

VERTICAL ELEVATIONS BASED ON: NAVD 88

ALBERT A. MARTES-RODRIGUEZ LICENSE No. 98986 STATE OF FLORIDA PROFESSIONAL ENGINEER

Albert A. Martes-Rodriguez, P.E.
LICENSE# 98986

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AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD. S #200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

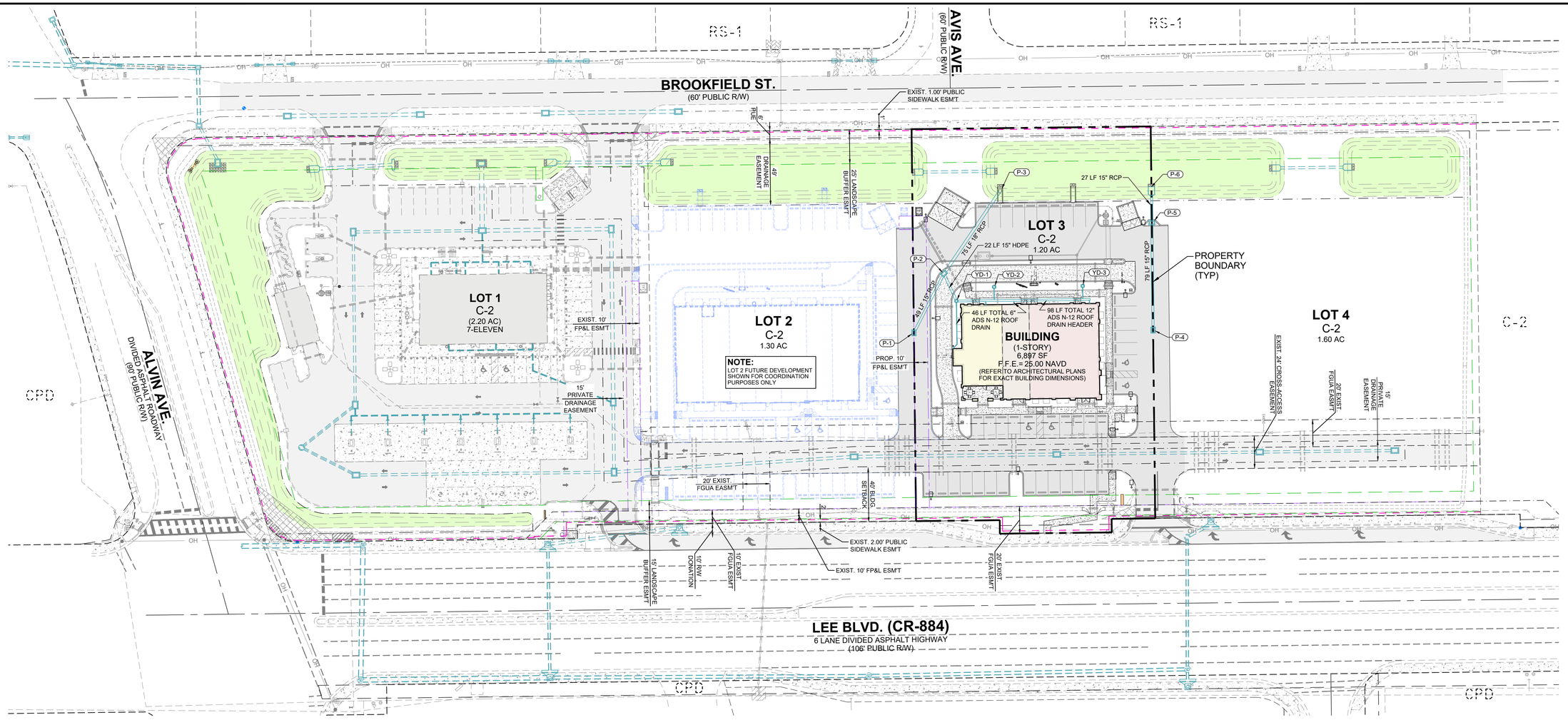
SHOPPES AT LEE BLVD.
LOT 3
5540 LEE BOULEVARD
LEHIGH ACRES, FLORIDA 33971

TYPICAL PAVING AND STRIPING DETAILS (B)

#26-111/CONST.

9 OF 18

P:\CAD\2026\26-111\CONSTRUCTION\PLOT\26-111-08-09 - SITE DTLS.dwg, (9) TYP PAV & STRIP DTLS (B), 6/4/2026 2:30:51 PM, 2025 Avalon Engineering Inc., 2025 Avalon Engineering Inc.



SITE AREA COMPARISON TABLE						
LOT	PREVIOUSLY PERMITTED AREAS (AC)			PROPOSED AREAS (AC)		
	SITE	PAVEMENT	BUILDING	SITE	PAVEMENT	BUILDING
LOT 1	2.20	1.26	0.14	2.20	1.26	0.13
LOT 2	1.00	0.60	0.15	1.30	0.64	0.22
LOT 3	1.01	0.61	0.15	1.20	0.63	0.16
LOT 4	1.01	0.61	0.15	1.60	1.19	0.24
LOT 5	1.08	0.65	0.16	-	-	-
TOTALS	**6.30**	**3.72**	**0.75**	**6.30**	**3.72**	**0.75**

NOTES:
1) PREVIOUSLY PERMITTED AREAS BASED ON ERP 36-110884-P.
2) UNIT 5 HAS BEEN REMOVED FROM THE PERMIT AREA AS PART OF THIS APPLICATION.

STORMWATER DESIGN CONDITIONS SUMMARY			
DESIGN PARAMETER	DESIGN STORM EVENT	MINIMUM ALLOWABLE ELEVATION (FT - NAVD)	PROPOSED MINIMUM ELEVATION (FT - NAVD)
PARKING LOT	10 YEAR - 1 DAY	23.39	23.55
PERIMTER BERM	25 YEAR - 3 DAY	23.95	24.00
BUILDING FFE	100 YEAR - 3 DAY	24.85	25.00

NOTES:
1) DESIGN CRITERIA BASED ON ERP 36-110884-P.

MASTER STORMWATER SYSTEM NOTE:

THE EXISTING MASTER STORMWATER MANAGEMENT SYSTEM WAS PERMITTED, CONSTRUCTED AND CERTIFIED UNDER SFWMD ERP 36-110884-P

NOTES:

1. ** ALL DESIGN ELEVATIONS WITHIN CITY R/W INCLUDING PAVEMENT, WALKS, DRIVES, SWALE & CULVERTS ARE TO BE COORDINATED WITH LEE COUNTY PUBLIC WORKS DEPT. PRIOR TO CONSTRUCTION.
2. REFER TO SHEET 12 FOR INLET STRUCTURE DATA TABLE
3. DATA AND LOCATION OF EXISTING UTILITY AND STORM DRAIN INFRASTRUCTURE TAKEN FROM LEE COUNTY G.I.S., ANY PROPOSED POINT OF CONNECTION TO EXISTING INFRASTRUCTURE SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION.

GROUND WATER AND OTHER SURFACE WATERS IMPACT STATEMENT:

AS A RESULT OF THE CONSTRUCTION OF THIS PROJECT, NO IMPACTS TO THE GROUNDWATER OR OTHER SURFACE WATER ARE ANTICIPATED.

LEGEND

- EXIST. STORM DRAIN & INLET
- PROP. STORM DRAIN & INLET
- PROP. YARD DRAIN
- PROP. ROOF DRAIN HEADER
- P-25 — STRUCTURE I.D. * (* SEE STRUCTURE TABLE ON SHT. 12)
- X.XX — EXISTING ELEVATION
- XX.XX — PROPOSED CITY DESIGN ELEVATION **
- XX.XX — PROPOSED ELEVATION (HARD SURFACE)
- XX.X — PROPOSED ELEVATION (GROUND)
- DRAINAGE FLOW ARROW
- EXISTING PRIVATE DRAINAGE EASEMENT (LAND CONDO COMMON ELEMENT)

VERTICAL ELEVATIONS BASED ON: NAVD 88

Albert A. Martes-Rodriguez, P.E.
LICENSE# 98986
No. 98986 STATE OF FLORIDA PROFESSIONAL ENGINEER

FULL SCALE = 40
HALF SCALE = 80

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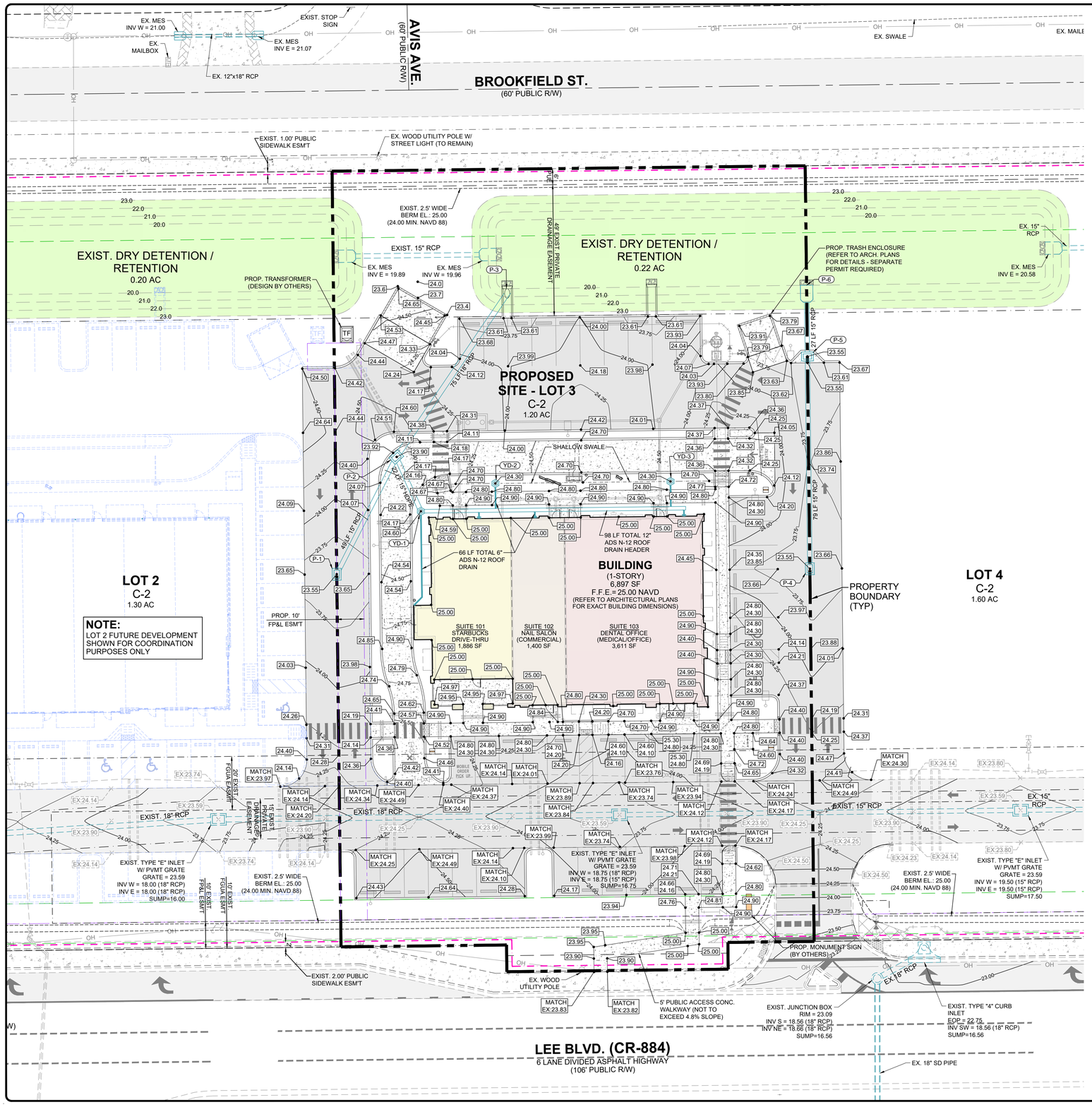
SHOPPES AT LEE BLVD.
LOT 3
5540 LEE BOULEVARD
LEHIGH ACRES, FLORIDA 33971

MASTER PAVING, GRADING AND DRAINAGE PLAN

#26-111/CONST.

10 OF 18

P:\CAD\2026\26-111\CONSTRUCTION\PLOT\26-111-10 - MASTER PG&D.dwg, 10 MASTER PG&D PLAN, 6/4/2026 2:31:03 PM, 2025 Avalon Engineering Inc. - 2025 Avalon Engineering Inc.



DRAINAGE STRUCTURES

P-1
TYPE "C" INLET
W/ PVMT GRATE
GRATE = 23.55
INV NE = 20.00 (15" RCP)
SUMP=18.00

P-2
TYPE "C" INLET
W/ PVMT GRATE
GRATE = 23.90
INV SW = 19.80 (15" RCP)
INV SE = 19.80 (15" HDPE)
INV NE = 19.80 (18" RCP)
SUMP=17.80

P-3
CURB FLUME/MITERED ENDWALL
INV SW = 15.86 (18" RCP)

P-4
TYPE "C" INLET
W/ PVMT GRATE
GRATE = 23.55
INV N = 20.30 (15" RCP)
SUMP=18.30

P-5
TYPE "C" INLET
W/ PVMT GRATE
GRATE = 23.55
INV S = 20.10 (15" RCP)
INV N = 20.10 (15" RCP)
SUMP=18.10

P-6
MITERED END
INV S = 20.00 (15" RCP)

YD-1
18" YARD DRAIN
GRATE = 24.60
INV E = 23.00 (12" ADS N-12 ROOF DRAIN HEADER)
INV S = 23.00 (6" HDPE)
INV NW = 20.00 (15" HDPE)
SUMP=18.00

YD-2
18" YARD DRAIN
GRATE = 24.30
INV S = 23.00 (6" HDPE)
SUMP=21.00

YD-3
18" YARD DRAIN
GRATE = 24.30
INV S = 23.00 (6" HDPE)
SUMP=21.00

LEGEND

- EXIST. STORM DRAIN & INLET
- PROP. STORM DRAIN & INLET
- PROP. YARD DRAIN
- PROP. ROOF DRAIN HEADER
- P-25 — STRUCTURE I.D. * (* SEE STRUCTURE TABLE ON SHT. 12)
- 24.50 — EXISTING ELEVATION
- XX.XX — PROPOSED CITY DESIGN ELEVATION **
- XX.XX — PROPOSED ELEVATION (HARD SURFACE)
- XX.X — PROPOSED ELEVATION (GROUND)
- DRAINAGE FLOW ARROW

NOTES:

1. ** ALL DESIGN ELEVATIONS WITHIN CITY R/W INCLUDING PAVEMENT, WALKS, DRIVES, SWALE & CULVERTS ARE TO BE COORDINATED WITH LEE COUNTY PUBLIC WORKS DEPT. PRIOR TO CONSTRUCTION.
2. REFER TO SHEET 12 FOR INLET STRUCTURE DATA TABLE
3. DATA AND LOCATION OF EXISTING UTILITY AND STORM DRAIN INFRASTRUCTURE TAKEN FROM LEE COUNTY G.I.S., ANY PROPOSED POINT OF CONNECTION TO EXISTING INFRASTRUCTURE SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION.

VERTICAL ELEVATIONS BASED ON: NAVD 88

ALBERT A. MARTES-RODRIGUEZ LICENSE No. 98986 STATE OF FLORIDA PROFESSIONAL ENGINEER

Albert A. Martes-Rodriguez, P.E.
LICENSE# 98986

FULL SCALE = 20
HALF SCALE = 40

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004,FAC

DATE	BY	REVISION DESCRIPTION
06/04/26	AAR	INITIAL LEE COUNTY D.O. SUBMITTAL

AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD. S #200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

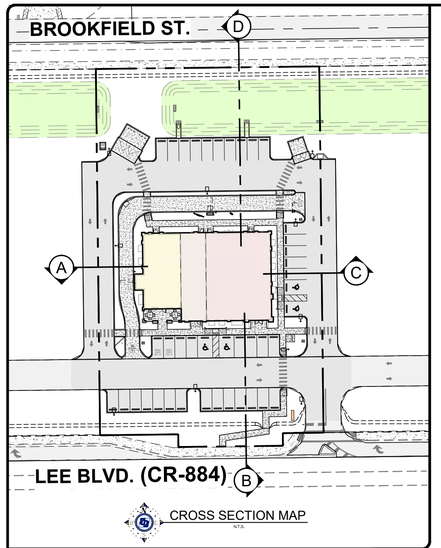
SHOPPES AT LEE BLVD.
LOT 3
5540 LEE BOULEVARD
LEHIGH ACRES, FLORIDA 33971

PAVING, GRADING AND DRAINAGE PLAN

#26-111/CONST.

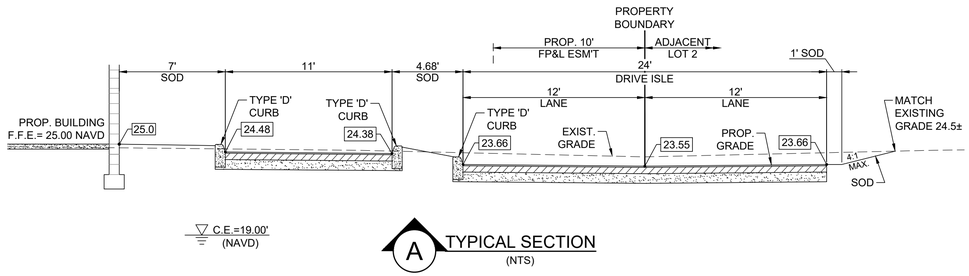
11 OF 18

P:\CAD\2026\26-111\CONSTRUCTION\PLOT\26-111-11 - PG&D.dwg - 11 PG&D PLAN, 6/4/2026 2:31:18 PM, 2025 Avalon Engineering Inc., 2025 Avalon Engineering Inc.

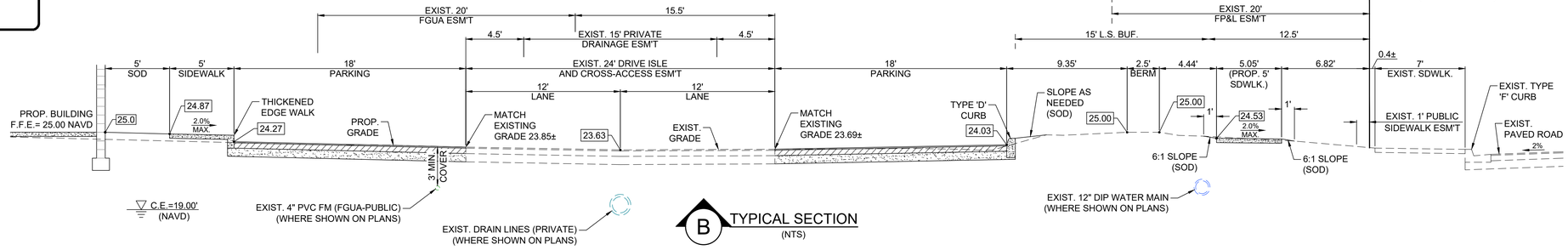


CROSS SECTION MAP
N.T.S.

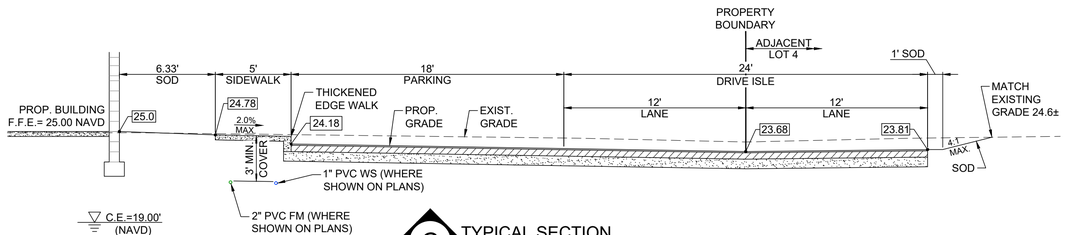
*NOTE:
ALL DESIGN ELEVATIONS WITHIN THE R/W, INCLUDING PAVEMENT, WALKS, DRIVES, SWALES & CULVERTS ARE TO BE COORDINATED WITH THE LEE COUNTY PUBLIC WORKS DEPT. PRIOR TO CONSTRUCTION.



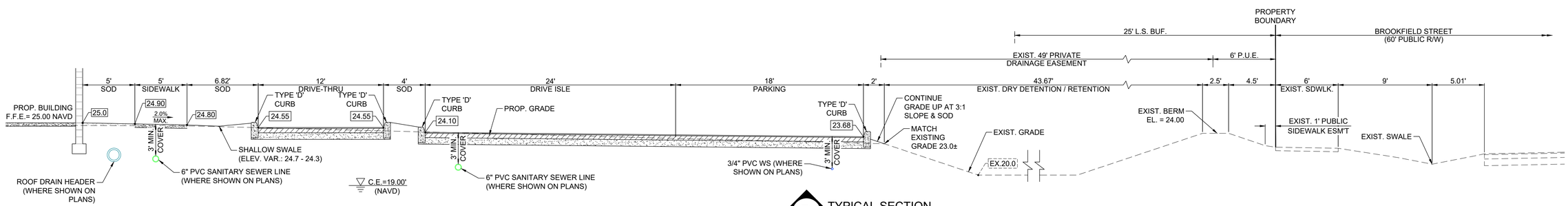
A TYPICAL SECTION
(NTS)



B TYPICAL SECTION
(NTS)



C TYPICAL SECTION
(NTS)



D TYPICAL SECTION
(NTS)

VERTICAL ELEVATIONS BASED ON: NAVD 88

ALBERT A. MARTES-RODRIGUEZ LICENSE No. 98986 STATE OF FLORIDA PROFESSIONAL ENGINEER
Albert A. Martes-Rodriguez, P.E.
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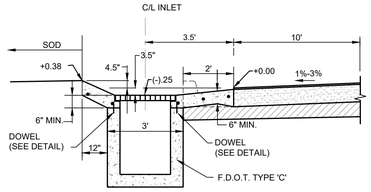
SHOPPES AT LEE BLVD.
LOT 3
5540 LEE BOULEVARD
LEHIGH ACRES, FLORIDA 33971

TYPICAL SECTIONS

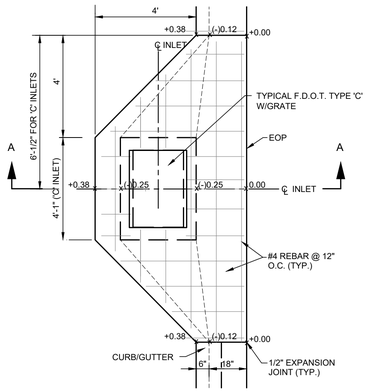
#26-111/CONST.

12 OF 18

P:\CAD\2026\26-111\CONSTRUCTION\PLOT\26-111-12 - CROSS SECT.dwg, 12 TYPICAL SECTIONS, 6/4/2026 2:31:3 PM, 2025 Avalon Engineering Inc., 2025 Avalon Engineering Inc.



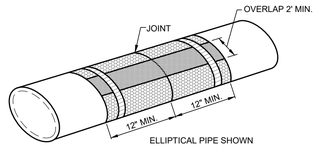
SECTION A-A



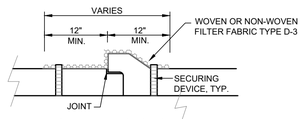
PLAN VIEW

CURB/GUTTER FLUME

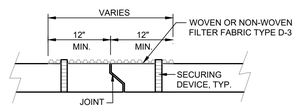
N.T.S.



ISOMETRIC VIEW



ROUND PIPE SECTION

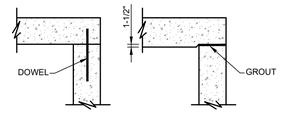


ELLIPTICAL PIPE SECTION

CONCRETE PIPE SHOWN - COST OF FILTER FABTIC JACKET TO BE INCLUDED IN COST OF PIPE CULVERTS. (SEE F.D.O.T. INDEX 430-001)

FILTER FABRIC JACKET

N.T.S.

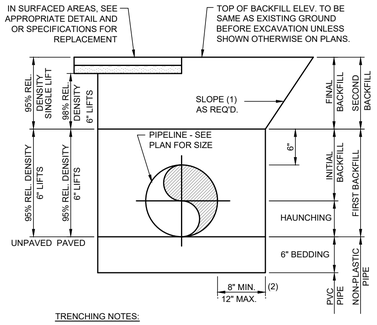


1. JOINT DOWELS ARE TO BE #4 BARS, 12" LONG WITH A MINIMUM OF 2 BARS PER SIDE AT APPROX. QUARTER POINTS FOR RECTANGULAR STRUCTURES.

2. MINIMUM COVER ON REINFORCING BARS IS 1-1/2".

DOWEL DETAIL

N.T.S.

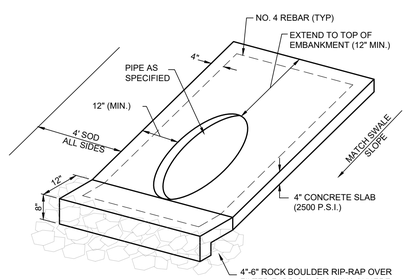


TRENCHING NOTES:

1. SLOPE OR BRACE TRENCH WALLS AS REQ'D WHERE SAFE SLOPES WOULD INTERFERE WITH EXISTING UTILITIES OR IMPROVEMENTS OR EXTEND BEYOND THE EASEMENT OR R/W LINE.
2. MINIMUM CLEARANCE MAY BE REDUCED UPON REVIEW OF ALTERNATE TRENCHING METHODS.

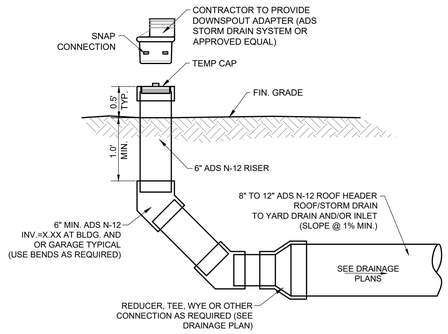
STORM DRAIN TRENCH

N.T.S.



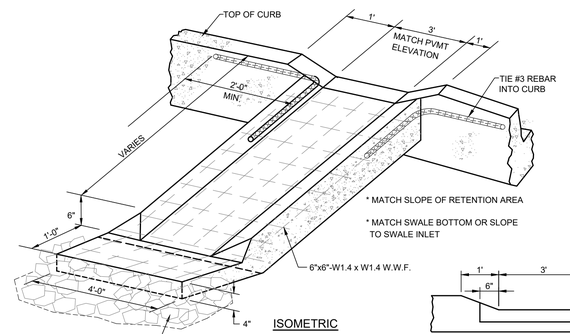
MITERED ENDWALL DETAIL

N.T.S.



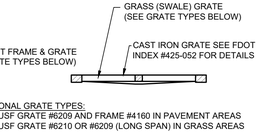
GUTTER DOWN SPOUT TO ROOF DRAIN HEADER S.D.

N.T.S.



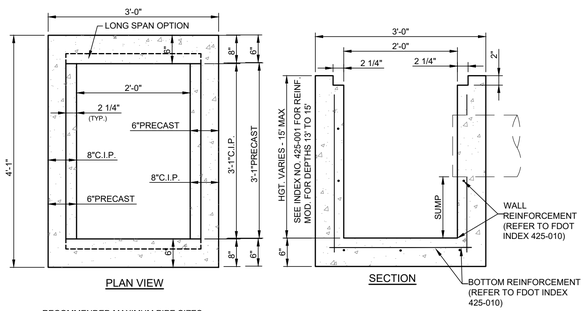
CONCRETE CURB FLUME W/ RIP-RAP

N.T.S.



OPTIONAL GRATE TYPES:
USE USF GRATE #6209 AND FRAME #4160 IN PAVEMENT AREAS
USE USF GRATE #6210 OR #6209 (LONG SPAN) IN GRASS AREAS

FRAME & GRATE DETAIL

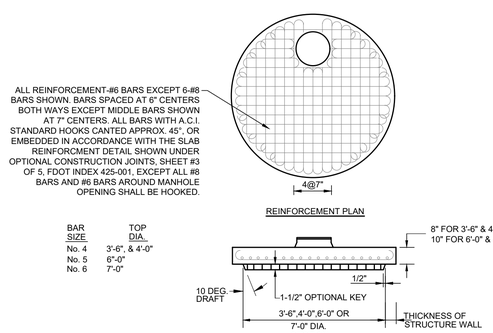


RECOMMENDED MAXIMUM PIPE SIZES:
2'-0" WALL-18" PIPE
3'-1" WALL-24" PIPE

INLET NOTES:
1. REFER TO FDOT STANDARD INDEX NO. 425-010, 425-001, AND 425-052 FOR ADDITIONAL AND SUPPLEMENTARY DETAILS.
2. STRUCTURES MAY BE CAST IN PLACE OR PRE CAST WITH CLASS 1 (MIN 3000 PSI) CONCRETE PER FDOT SECTION 425. CONCRETE AS SPECIFIED BY ASTM C-478 (MIN 4000 PSI) MAY BE USED IN PRE CAST ITEMS MANUFACTURED IN PLANTS AS SPECIFIED IN FDOT STANDARD INDEX NO. 425-001.
3. R.C.P. SHALL BE REINFORCED CONCRETE PIPE CONFORMING TO F.D.O.T. SEC. 941.
4. PLACE SOD 4' ON ALL SIDES OF INLET IN GREEN AREAS UNLESS OTHERWISE NOTED.
5. ALL INLET GRATES SHALL BE COVERED WITH FILTER FABRIC DURING CONSTRUCTION.
*AT INLETS INDICATED WITH SUMP, SEE PLANS.

TYPE 'C' INLET

N.T.S.



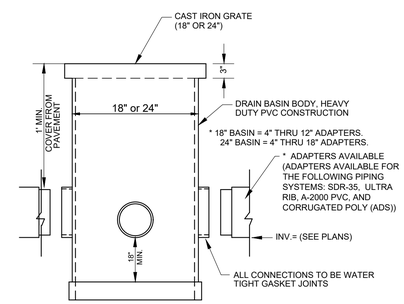
TYPE 7-T (TRAFFIC) (H-20)

NOTES:

1. ALL STEEL BARS SHALL HAVE 1-1/4" MINIMUM COVER UNLESS OTHERWISE SHOWN AND SHALL BE HOOKED WHERE INDICATED.
2. MANHOLE TOP TYPE 7 SLABS MAY BE OF CLASS II CONCRETE. CONCRETE AS SPECIFIED IN ASTM C-478 MAY BE USED FOR PRECAST UNITS.
3. MANHOLE TOP TYPE 7 SLABS MAY BE OF CAST-IN-PLACE OR PRECAST CONSTRUCTION. THE OPTIONAL KEY IS FOR PRECAST TOPS AND IN LEIU OF DOWELS. FRAME AND SLAB OPENINGS ARE TO BE OMITTED WHEN TOP IS USED OVER A JUNCTION BOX. FRAMES CAN BE ADJUSTED WITH FROM ONE TO SIX COURSES OF BRICK.
4. MANHOLE TOPS SHALL BE SECURED TO STRUCTURES BY OPTIONAL CONSTRUCTION JOINTS AS SHOWN ON SHEET 3 OF 5, F.D.O.T. INDEX 425-001.
5. ALL COVERS TO BE TACK WELDED TO FRAMES AT THIRD POINTS OR GROUTED AT THIRD POINTS WITH EPOXY (TOTAL ELEVEN (11) OUNCES OF MIXED EPOXY).
6. THE 212 LB COVER IS THE REPLACEMENT FOR ALL PREVIOUS 1-1/4" DEEP FRAMES(TRAFFIC TYPE) THE 185 LB COVER IS THE REPLACEMENT FOR ALL ALL PREVIOUS 1/2" DEEP FRAMES (NON-TRAFFIC TYPE)
7. FOR STRUCTURE BOTTOMS, REFER TO F.D.O.T. STANDARD 425-010.

STRUCTURE COVERS

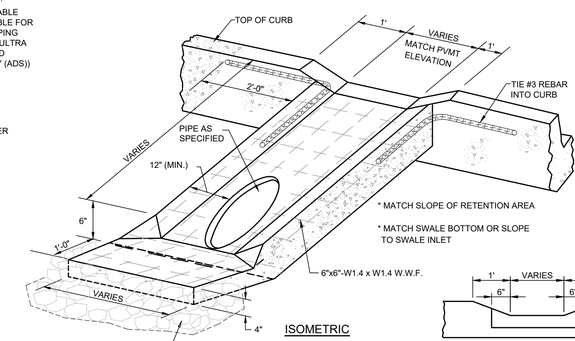
N.T.S.



(NYLOPLAST USA INC. PHONE#404-932-2443 OR APPROVED EQUAL DRAINAGE SYSTEMS.)

18" AND 24" YARD DRAIN BASINS

N.T.S.



CONCRETE CURB FLUME/MITERED ENDWALL

N.T.S.

ALBERT A. MARTES-RODRIGUEZ LICENSE No. 98986 STATE OF FLORIDA PROFESSIONAL ENGINEER
Albert A. Martes-Rodriguez, P.E.
LICENSE# 98986

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AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD. S #200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

SHOPPES AT LEE BLVD.
LOT 3
5540 LEE BOULEVARD
LEHIGH ACRES, FLORIDA 33971

TYPICAL INLETS AND DRAINAGE DETAILS

#26-111/CONST.

13 OF 18

VERTICAL ELEVATIONS BASED ON: NAVD 88

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Lehigh Acres Fire Control and Rescue District
Life Safety Division

Office Address:
636 Thomas Sherwin Ave S
Lehigh Acres, FL
Phone: 239-303-5335
Email: LifeSafety@Lehighfd.com

Mailing Address:
11 Homestead Rd S
Lehigh Acres, FL 33936
Phone: 239-303-5300
Fax: 239-369-2436
www.Lehighfd.com

Fire Flow Test Report

Inspector: Ken Bennett | Date: 2/6/2024 | Time: 10:41

Requested by Firm: Avalon Engineering, Inc. | Name: Michelle Moore, Project Coordinator
Address: 2503 Del Prado Blvd S., Suite 200 | Email Address: michelle@avalonengi.com
City, State, Zip Code: Cape Coral, FL 33904
Phone: 239-573-2077 | Project Name: Alvin Ave/Lee Blvd Fire Flow Test

Static / Residual Pressure Hydrant: LEH00198 - 5551 Lee Blvd
Flow Hydrant: LEH02025 - 5570 Lee Blvd



Static Pressure: 56 PSI | Test Duration: 6 Minutes
Residual Pressure: 46 PSI | Estimated Water Used: 6134 Gallons

	Outlet No. 1		Outlet No. 2	
Inside Diameter of Hydrant Outlet =	2.5	Inches	2.5	inches
Discharge Coefficient of Hydrant Outlet =	0.9		0.9	
Pitot or Pressure Gauge Reading =	26	PSI		PSI

Min Fire Flow Pressure = 20 PSI | Test Flow = 855.58 GPM | 0.00 GPM
Combined Flow of Outlets No. 1 & 2 = 855.58 GPM

Available Fire Flow @ 20 PSI = 1,622.98 GPM

Coefficients: 0.7 - Squared Butt / 0.8 - Smooth Squared Butt / 0.9 - Smooth and Round Butt | Page 1 of 2

ALL UTILITY CONNECTION TO BUILDING BY LICENSED PLUMBER. ALL FIRE SERVICE MAINS CONNECTION BY LICENSED FIRE SPRINKLER CONTRACTOR.

IRRIGATION NOTE:

THIS PROJECT WILL UTILIZE THE MASTER PRIVATE IRRIGATION WELL INSTALLED AS PART OF THE BACKBONE INFRASTRUCTURE TO IRRIGATE ON-SITE GREEN SPACES. AS A RESULT, NO NEW IRRIGATION SOURCES ARE PROPOSED FOR THIS PROJECT.

UTILITY NOTES:

1. GENERAL UTILITY NOTES, REFER TO SHEET #2
2. ALL INTERNAL SEWER, WATER AND IRRIGATION MAINS AND LATERALS ARE "PRIVATELY OWNED AND MAINTAINED" AND TO BE SUPPLIED & INSTALLED BY SITE CONTRACTOR.
3. THE DESIGN OF THE FIRE PROTECTION SYSTEM FROM THE POINT OF SERVICE (POS FIRE) TO THE BUILDINGS IS THE RESPONSIBILITY OF THE FIRE PROTECTION ENGINEER AND IS NOT INCLUDED IN THESE PLANS. A LICENSED FIRE PROTECTION CONTRACTOR SHALL COORDINATE AND OBTAIN A SEPARATE PERMIT PER NFPA AND THE LOCAL FIRE DEPARTMENT REQUIREMENTS FOR THE INSTALLATION OF ALL FIRE MAINS, FIRE APPARATUS, OTHER FIRE RELATED APPURTENANCES AND CONNECTIONS TO THE BUILDINGS IN ACCORDANCE TO THE FIRE PROTECTION SYSTEM DESIGN (BY OTHERS).
4. BOTH FIRE HYDRANT AND FIRE SERVICE MAINS SHALL BE D.I. DUCTILE IRON PIPE W/ FIRE SERVICE MAINS (4" TO 12") TO BE CL 350 OR APPROVED EQUAL.
5. ALL UTILITY CONNECTIONS TO BUILDING BY LICENSED PLUMBER (FIRE SERVICE DESIGN & INSTALLATION BY OTHERS, SEE FIRE PROTECTION PLAN)
6. DATA AND LOCATION OF EXISTING UTILITY AND STORM DRAIN INFRASTRUCTURE TAKEN FROM LEE COUNTY G.I.S. AND SURVEY DATED 1/30/2026 ANY PROPOSED POINT OF CONNECTION TO EXISTING INFRASTRUCTURE SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
7. LOCATION OF (2) 4" PVC SLEEVES (24" MIN. COVER)
8. FOR IRRIGATION AND/OR LIGHTING MAY BE FIELD ADJUSTED PER OWNER OR OWNER REPRESENTATIVE
9. FIRE SERVICE DESIGN & INSTALLATION BY OTHERS (SEE FIRE PROTECTION PLANS)
10. CONTRACTOR TO ENSURE ALL EXISTING AND PROPOSED FIRE HYDRANT ASSEMBLIES ARE TO HAVE A 360° 3' CLEARANCE AREA.

LEGEND

- PROP. WATER MAIN & G.V.
- METER AND/OR BACKFLOW DEVICE
- FIRE HYDRANT ASSEMBLY
- FDC ASSY. W/ PIV & CHECK VALVE
- PROP. D.I.P. WATER LINE
- PROP. SANITARY SEWER MAIN (SDR 26 PVC) & MANHOLE
- SANITARY SEWER LATERAL W/ CLEANOUT
- PROP. SEWER FORCE MAIN
- FIRE MAIN & SERVICE (DESIGN & INSTALLATION BY OTHERS)
- (2) 4" PVC SLEEVES AT 24" MIN. COVER
- PVC SLEEVES (MIN. 24" COVER) FOR CONDUIT RUN ONLY (QTY. & SIZE TO BE DETERMINED BY ELECTRIC COMPANY)
- PROP. IRRIGATION

ESTIMATED UTILITY FLOWS

Potable Water:
Peak Flow ~ 4 GPM
Average Daily Flow: ~ 1,550 GPD
[PER FAC CHAPTER 64 E6]

Sewerage:
Peak Flow ~ 4 GPM
Average Daily Flow: ~ 1,550 GPD
[PER FAC CHAPTER 64 E6]

Irrigation:
Peak Flow (based on 17,959 S.F. of Open Space): ~ 23 GPM
Average Daily Flow (based on 1" per week
(limited to 2 watering days/week): ~ 5,541 GPD

Fire Flow:
REFER TO ARCH. PLANS FOR DESIGN, NOTES & FIRE FLOW RATING CALCULATIONS.

Total Building Area: 6,897 S.F.
The required fire flow is 1,750 GPM for NFPA Type II (000).
Per NFPA 1 Table 18.4.5.1.2] The Building is not sprinkled.

Total Provided Fire Flow = 1,000 GPM + 750 GPM = 1,750 GPM

FIRE FLOW CREDITS (PER NFPA TABLE 18.5.4.3)		
DISTANCE	COUNT	CREDIT
FH ≤ 250 FT.	1	1,500 GPM
FH > 250 FT. & ≤ 500 FT.	1	1,000 GPM
FH > 500 FT. & ≤ 1,000 FT.	1	750 GPM

SEWER STRUCTURES

CO-1
RIM ELEV. = 24.81
INV S = 22.00
INV N = 22.00

CO-2
RIM ELEV. = 24.25
INV S = 21.70
INV E = 21.70

CO-3
RIM ELEV. = 24.07
INV E = 21.60
INV W = 21.60

CO-4
RIM ELEV. = 24.86
INV S = 22.00
INV E = 22.00

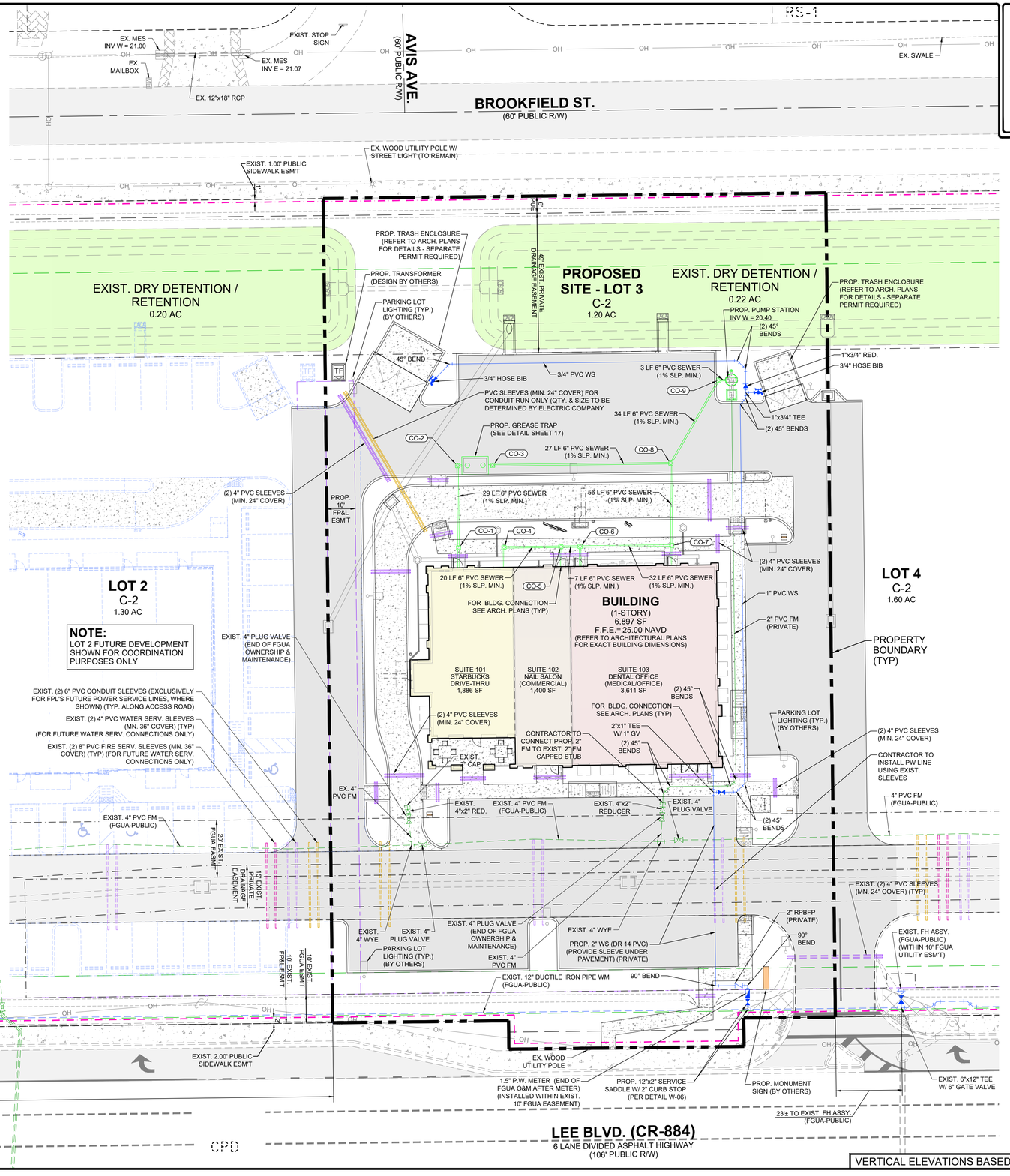
CO-5
RIM ELEV. = 24.86
INV S = 21.80
INV E = 21.80
INV W = 21.80

CO-6
RIM ELEV. = 24.86
INV S = 21.70
INV W = 21.70
INV E = 21.70

CO-7
RIM ELEV. = 24.86
INV S = 21.35
INV W = 21.35
INV N = 21.35

CO-8
RIM ELEV. = 23.97
INV NE = 20.90
INV S = 20.90
INV W = 20.90

CO-9
RIM ELEV. = 24.03
INV E = 20.50
INV SW = 20.50



VERTICAL ELEVATIONS BASED ON: NAVD 88

ALBERT A. MARTES-RODRIGUEZ LICENSE No. 98986 STATE OF FLORIDA PROFESSIONAL ENGINEER
Albert A. Martes-Rodriguez, P.E.
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N
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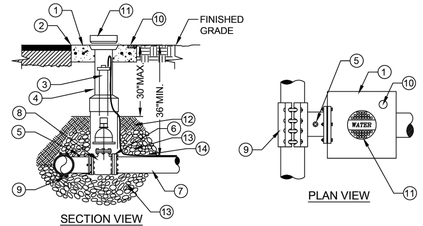
LEHIGH ACRES, FLORIDA 33971

UTILITY PLAN

#26-111/CONST.

14 OF 18

P:\CAD\2026\26-111\CONSTRUCTION\PLOT\26-111-14 - UTL PLN.dwg, 14 UTILITY PLAN, 6/4/2026 2:31:47 PM, 2025 Avalon Engineering Inc., 2025 Avalon Engineering Inc.



SECTION VIEW

PLAN VIEW

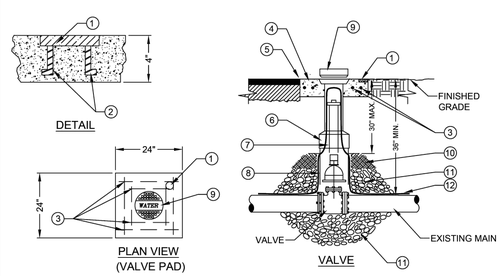
1. CONCRETE PAD - 24"X24"X4" THK. (SEE VALVE INSTALLATION DETAIL G-02)
2. SET TOP OF BOX FLUSH WITH FINISHED GRADE
3. EXTENSION STEM IF TOP OF OPERATING NUT IS MORE THAN 30" BELOW FINISH GRADE
4. VALVE BOX (SEE VALVE INSTALLATION DETAIL G-02)
5. OUTLET FOR TESTING
6. MJ RESTRAINED
7. MAIN SIZE VARIES
8. TAPPING VALVE (SEE VALVE INSTALLATION DETAIL G-02)
9. LCU APPROVED ALL STAINLESS STEEL PRESSURE RATED TAPPING SLEEVE. FOR SIZE ON SIZE TAPS A FLANGED TAPPING SLEEVE IS REQUIRED. SPRING LOADED TAPPING SLEEVE IS REQUIRED WHEN CONNECTING TO HDPE (SEE APPROVED MATERIAL LIST)
10. BRASS PLATE (SEE VALVE INSTALLATION DETAIL G-02)
11. CAST IRON DROP COVER MARKED "WATER", "SEWER", "REUSE", OR "FIRE"
12. COMPACTED SUITABLE EARTH BACKFILL
13. ¾" GRANULAR MATERIAL #57 STONE
14. 10 GAUGE DOUBLE INSULATED COPPER LOCATING WIRE (SEE LCU STANDARD DETAIL)

LEE COUNTY UTILITIES ENGINEERING
1500 MONROE STREET
FORT MYERS, FLORIDA 33901

TITLE: TAPPING SLEEVE & VALVE
REVISION: 4/23/25
DETAIL NO.: G-01.dwg

NOT TO SCALE

April 23, 2025 8:51 AM S:\Utilities\ENGINEERING\ACAD\LCU-CAD-Stnds\151209 LCU STD DETAILS\CAD FILES\G-01.dwg



DETAIL

PLAN VIEW (VALVE PAD)

VALVE

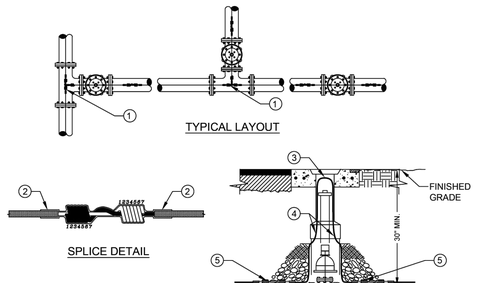
1. BRASS PLATE: SIZE OF VALVE, VALVE TYPE NO. OF TURNS & DIRECTION TO OPEN VALVE MFG & YEAR INSTALL SYSTEM "WATER" OR "SEWER" OR "REUSE" OR "FIRE"
2. ANCHOR
3. EIGHT (8) #4 BARS OVERLAP EACH CORNER BY 2"
4. 24" SQ X 4" THK. CONC. PAD SURROUNDING BOX, MIN. 3000 P.S.I. POURED IN PLACE
5. SET TOP OF BOX FLUSH WITH FINISHED GRADE
6. HEAVY DUTY TRAFFIC BEARING CAST IRON VALVE BOX, ADJUSTABLE SCREW TYPE, 5 ¼" DIAMETER SHAFT THAT IS LCU APPROVED
7. EXTENSION STEM WITH 2" OPERATING NUT AS REQUIRED, IF NUT IS MORE THAN 30" BELOW FINISH GRADE.
8. RISER NOT TO BEAR ON VALVE OR PIPE (RISER PIPE MATERIAL MUST BE PVC)
9. CAST IRON DROP COVER MARKED "WATER" OR "SEWER" OR "REUSE" OR "FIRE"
10. COMPACTED SUITABLE EARTH BACKFILL
11. ¾" GRANULAR MATERIAL #57 STONE
12. 10 GAUGE DOUBLE INSULATED COPPER LOCATING WIRE (SEE LCU DETAIL G-03)

LEE COUNTY UTILITIES ENGINEERING
1500 MONROE STREET
FORT MYERS, FLORIDA 33901

TITLE: GATE VALVE
REVISION: 4/22/25
DETAIL NO.: G-02.dwg

NOT TO SCALE

April 22, 2025 12:42 PM S:\Utilities\ENGINEERING\ACAD\LCU-CAD-Stnds\151209 LCU STD DETAILS\CAD FILES\G-02.dwg



VALVE DETAIL

NOTES:

1. WIRE SHALL BE CONTINUOUS BETWEEN VALVE BOXES, THE PVC RISER PIPE SHALL BE NOTCHED AND THE WIRE ATTACHED TO THE RISER PIPE TO ALLOW FOR THE WIRE TO FIT INSIDE THE CAST IRON VALVE BOX WITHOUT SHEARING THE WIRE.
2. LOCATING WIRE SHALL BE LAID ON TOP OF THE MAIN, AND SHALL BE TAPED TO IT AT 10' INTERVALS AND TAPED AT ALL FITTINGS. TAPE SHALL BE 10 MIL POLYETHYLENE.
3. CONTRACTOR SHALL CONDUCT A CONTINUITY TEST ON ALL LOCATING WIRE SPLICES. PRIOR TO SCHEDULING THE OFFICIAL FINAL INSPECTION WITH LCU.
4. ALL SPLICES SHALL UTILIZE A DIRECT BURY WATERPROOF SPLICE KIT. (SEE APPROVED MATERIAL LIST)

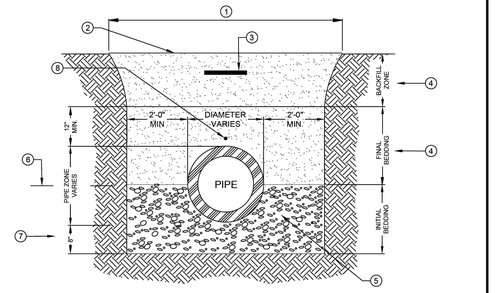
1. SPLICE RUN TOGETHER, KEEP CLEAR OF FITTING, TYPICAL
2. COVER SPLICE WITH 2 WRAPS OF 10 MIL. POLYETHYLENE TAPE
3. 6" LOOP OF BARE WIRE, 9" MAX DEPTH TO TOP OF BARE WIRE
4. 10 GAUGE DOUBLE INSULATED COPPER LOCATING WIRE
5. SPLICE (SEE DETAIL THIS SHEET)

LEE COUNTY UTILITIES ENGINEERING
1500 MONROE STREET
FORT MYERS, FLORIDA 33901

TITLE: LOCATING WIRE FOR PRESSURE MAINS
REVISION: 1/26/24
DETAIL NO.: G-03.dwg

NOT TO SCALE

January 26, 2024 11:18 AM S:\Utilities\ENGINEERING\ACAD\LCU-CAD-Stnds\151209 LCU STD DETAILS\CAD FILES\G-03.dwg



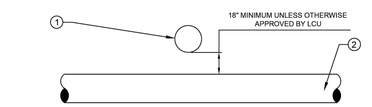
1. EXCAVATED TRENCH
2. FINISHED GRADE
3. MARKING TAPE 12" DEPTH MAX.
4. MATERIALS CLEAN DRY SAND, FINE LIME ROCK OR PIT SHELL MECHANICALLY COMPACTED IN 6" LIFTS TO AT LEAST 95% OF MAX. DENSITY, OR 98% IF UNDER PAVED AREA OF ROADWAY.
5. #57 STONE LOCATED UNDER PIPE OR EXISTING UNDISTURBED SUITABLE MATERIAL
6. SPRING LINE
7. STANDARD 8" MIN TRENCH UNDERCUT AND BACKFILL WITH #57 STONE COMPACTED IN 6" LIFTS ADDITIONAL UNDERCUT AND CRUSHED ROCK BEDDING FOUNDATION WHEN DIRECTED BY L.C.U. THE CONTRACTOR IS TO REMOVE UNSTABLE MATERIAL FROM THE TRENCH FOUNDATION. THEN INSTALL STABILIZED CRUSHED ROCK BACKFILL WITH #57 STONE COMPACTED IN 6" LIFTS
8. LOCATING WIRE IS REQUIRED FOR ALL PRESSURIZED PIPELINES.

LEE COUNTY UTILITIES ENGINEERING
1500 MONROE STREET
FORT MYERS, FLORIDA 33901

TITLE: TRENCH CROSSING
REVISION: 1/29/24
DETAIL NO.: G-05.dwg

NOT TO SCALE

January 29, 2024 7:12 AM S:\Utilities\ENGINEERING\ACAD\LCU-CAD-Stnds\151209 LCU STD DETAILS\CAD FILES\G-05.dwg

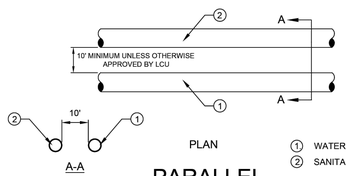


SECTION

CROSSING

1. WATER MAIN
2. SANITARY SEWER MAIN

NOTE: IF LESS THAN 18" CLEARANCE ENCASE WATER MAIN IN STEEL CASING



PLAN

PARALLEL

1. WATER MAIN
2. SANITARY SEWER MAIN

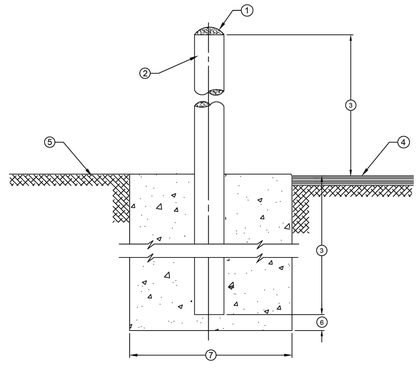
NOTE: IF LESS THAN 10' CLEARANCE ENCASE WATER MAIN IN STEEL CASING

LEE COUNTY UTILITIES ENGINEERING
1500 MONROE STREET
FORT MYERS, FLORIDA 33901

TITLE: WATER AND SEWER CROSSING
REVISION: 6/27/24
DETAIL NO.: G-08.dwg

NOT TO SCALE

June 27, 2024 6:30 AM S:\Utilities\ENGINEERING\ACAD\LCU-CAD-Stnds\151209 LCU STD DETAILS\CAD FILES\G-08.dwg



1. FILL AND TOP PIPE WITH CONCRETE
2. 6" DIA. X 6'-0" LONG PRESSURE CLASS 350 D.I.P.
3. 3'-0" MINIMUM
4. PAVEMENT
5. FINISHED GRADE
6. 3"
7. 18" DIA. CONCRETE ENCASEMENT 3000 P.S.I.

NOTE:

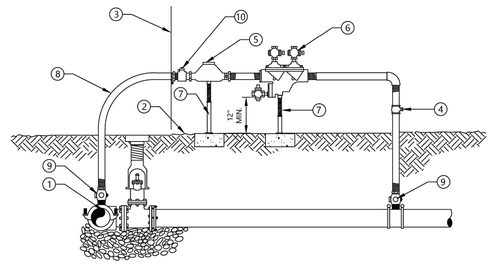
1. PAINT BOLLARD TO LCU STANDARDS - SAFETY YELLOW

LEE COUNTY UTILITIES ENGINEERING
1500 MONROE STREET
FORT MYERS, FLORIDA 33901

TITLE: BOLLARD POST DETAIL
REVISION: 4/4/24
DETAIL NO.: G-12.dwg

NOT TO SCALE

April 4, 2024 7:24 AM S:\Utilities\ENGINEERING\ACAD\LCU-CAD-Stnds\151209 LCU STD DETAILS\CAD FILES\G-12.dwg



NOTES:

CONTRACTOR/CUSTOMER SHALL APPLY AT LEE COUNTY UTILITIES FOR TEMPORARY WATER SERVICE FIVE DAYS PRIOR TO REQUIRED SERVICE DATE. THE METER ONLY WILL BE FURNISHED BY LEE COUNTY UTILITIES. ALL FITTINGS, PIPING, VALVES AND MATERIALS SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR/CUSTOMER. THE APPROVED BACKFLOW PREVENTION DEVICE SHALL BE TESTED AND CERTIFIED BY LEE COUNTY UTILITIES APPROVED CERTIFIED BACKFLOW PREVENTION TECHNICIAN (FURNISHED BY CONTRACTOR/CUSTOMER) AT TIME OF METER INSTALLATION. CONTRACTOR/CUSTOMER SHALL PROTECT THE ASSEMBLY FROM DAMAGE. TEMPORARY CONSTRUCTION JUMPER/METER ASSEMBLY SHALL NOT BE REMOVED UNTIL SYSTEM IS ACCEPTED AND FDEP CERTIFICATION AND CLEARANCE FOR SERVICE FORM HAS BEEN RECEIVED BY LEE COUNTY UTILITIES. WHEN THE NEW SYSTEM IS ACCEPTED, THE TEMPORARY CONSTRUCTION JUMPER METER ASSEMBLY MUST BE COMPLETELY REMOVED DOWN TO CORP STOPS.

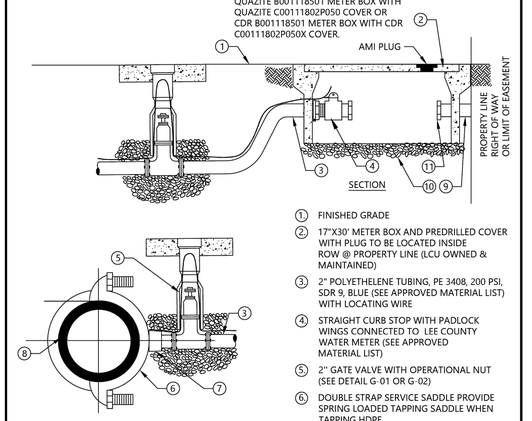
1. TAPPING SLEEVE AND VALVE TO BE FULLY RESTRAINED ON EXISTING MAIN (SEE LCU STANDARD DETAIL)
2. GRADE
3. PROPERTY LINE AND/OR RIGHT OF WAY LINE
4. BRONZE BALL VALVE
5. METER FURNISHED BY LEE COUNTY UTILITIES
6. REDUCED PRESSURE BACKFLOW PREVENTER
7. PIPE STAND (SEE LCU STANDARD DETAIL)
8. 2" DIA. HDPE DR9
9. 2" DIA. CORPORATION STOP
10. 2" DIA. CURB STOP

LEE COUNTY UTILITIES ENGINEERING
1500 MONROE STREET
FORT MYERS, FLORIDA 33901

TITLE: TEMPORARY CONSTRUCTION JUMPER WITH METER
REVISION: 12/18/24
DETAIL NO.: W-04.dwg

NOT TO SCALE

December 18, 2024 9:03 AM S:\Utilities\ENGINEERING\ACAD\LCU-CAD-Stnds\151209 LCU STD DETAILS\CAD FILES\W-04.dwg



SECTION

NOTES:

1. TUBING UNDER ROADWAY SHALL BE ENCASED IN 4" P.V.C. PIPE SCHEDULE 40 MINIMUM AND EXTEND 4 FEET BEYOND THE EDGES OF PAVEMENT OR BACK OF CURB.

1. FINISHED GRADE
2. 17"X30' METER BOX AND PREDRILLED COVER WITH PLUG TO BE LOCATED INSIDE ROW @ PROPERTY LINE (LCU OWNED & MAINTAINED)
3. 2" POLYETHELENE TUBING, PE 3408, 200 PSI, SDR 9, BLUE (SEE APPROVED MATERIAL LIST) WITH LOCATING WIRE
4. STRAIGHT CURB STOP WITH PADLOCK WINGS CONNECTED TO LEE COUNTY WATER METER (SEE APPROVED MATERIAL LIST)
5. 2" GATE VALVE WITH OPERATIONAL NUT (SEE DETAIL G-01 OR G-02)
6. DOUBLE STRAP SERVICE SADDLE PROVIDE SPRING LOADED TAPPING SADDLE WHEN TAPPING HDPE (SEE APPROVED MATERIAL LIST)
7. BRASS NIPPLE (MAX 3" LONG)
8. WATER MAIN
9. PRIVATE SERVICE LINE
10. 2" OF 57 STONE
11. END OF LCU MAINTENANCE AT METER

LEE COUNTY UTILITIES ENGINEERING
1500 MONROE STREET
FORT MYERS, FLORIDA 33901

TITLE: WATER SERVICE INSTALL 1-1/2" THROUGH 2"
REVISION: 12/18/24
DETAIL NO.: W-06.dwg

NOT TO SCALE

December 18, 2024 11:43 AM S:\Utilities\ENGINEERING\ACAD\LCU-CAD-Stnds\151209 LCU STD DETAILS\CAD FILES\W-06.dwg

P:\CAD\2026\26-111\CONSTRUCTION\PLOT\26-111-15-18 - LCU-DTLS.dwg, 15 UTILITY DETAILS (A), 6/4/2026 2:32:00 PM, 2025 Avalon Engineering Inc., 2025 Avalon Engineering Inc.

ALBERT A. MARTES-RODRIGUEZ LICENSE No. 98986 STATE OF FLORIDA PROFESSIONAL ENGINEER

Albert A. Martes-Rodriguez, P.E.
LICENSE# 98986

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004,FAC

DATE	BY	REVISION DESCRIPTION
06/04/26	AMR	INITIAL LEE COUNTY D.O. SUBMITTAL

AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD. S #200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

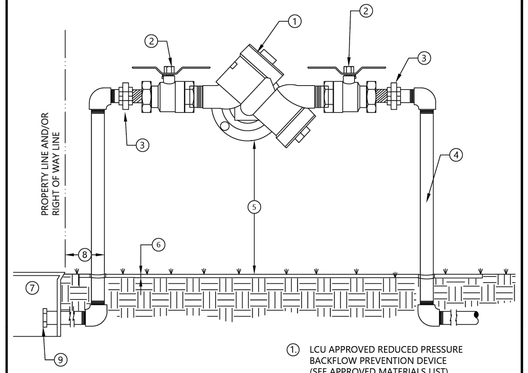
SHOPPES AT LEE BLVD.
LOT 3
55540 LEE BOULEVARD
LEHIGH ACRES, FLORIDA 33971

LEE COUNTY UTILITY
DETAILS (A)

#26-111/CONST.

15 OF 18

VERTICAL ELEVATIONS BASED ON: NAVD 88



1. LCU APPROVED REDUCED PRESSURE BACKFLOW PREVENTION DEVICE (SEE APPROVED MATERIALS LIST)
2. FULL FLOW BRONZE BALL VALVE
3. UNION
4. ALL PIPING AND FITTINGS SHALL BE BRASS OR COPPER
5. 12" MIN. - 24" MAX. UNLESS OTHERWISE APPROVED BY LCU
6. FINISHED GRADE
7. METER BOX (LCU OWNED & MAINTAINED)
8. 2' MAXIMUM
9. END OF LCU MAINTENANCE AT METER

NOTES:

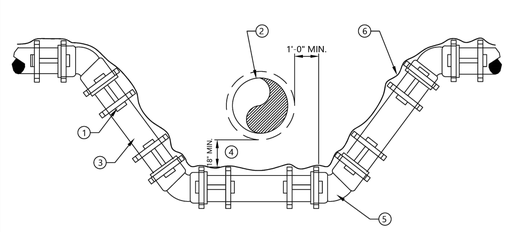
1. UNIONS REQUIRED
2. INITIAL AND ANNUAL DEVICE TESTING REQUIRED
3. FOR COMMERCIAL SITES

LEE COUNTY UTILITIES ENGINEERING
1500 MONROE STREET, FORT MYERS, FLORIDA 33901

TITLE: 3/4" TO 2" CROSS CONTROL ASSEMBLY
REVISION: 12/18/24
STD'D NO.: W-08.dwg

NOT TO SCALE

December 18, 2024 1:13 PM S:\Utilities\ENGINEERING\ACAD\LCU-CAD-Stnds\151209 LCU STD DETAILS\CAD FILES\W-08.dwg



WASTE WATER FORCE MAIN

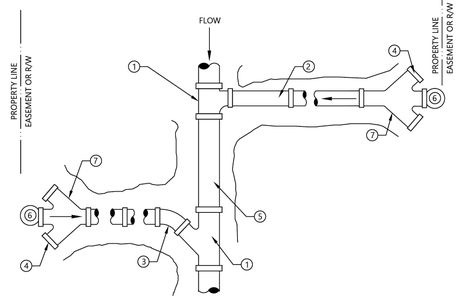
1. LCU APPROVED JOINT RESTRAINT FOR P.V.C. M.J. PIPE AND FITTINGS PLACED IN ACCORDANCE WITH JOINT RESTRAINT SCHEDULE. (SEE DETAIL G-10)
2. CONFLICT PIPE
3. LCU APPROVED C-900 PVC DR 14
4. 18" MIN. UNLESS OTHERWISE APPROVED BY LCU
5. 45° MECHANICAL JOINT FITTING, TYPICAL
6. 10 GAUGE DOUBLE INSULATED COPPER WIRE (SEE LCU STANDARD DETAIL)

LEE COUNTY UTILITIES ENGINEERING
1500 MONROE STREET, FORT MYERS, FLORIDA 33901

TITLE: WASTE WATER FM VERTICAL OFFSET WITH FITTINGS
REVISION: 3/7/24
STD'D NO.: S-01.dwg

NOT TO SCALE

March 7, 2024 10:43 AM S:\Utilities\ENGINEERING\ACAD\LCU-CAD-Stnds\151209 LCU STD DETAILS\CAD FILES\S-01.dwg



NOTE: 1. SEE SPECS FOR DETAILS OF PIPE AND FITTINGS.

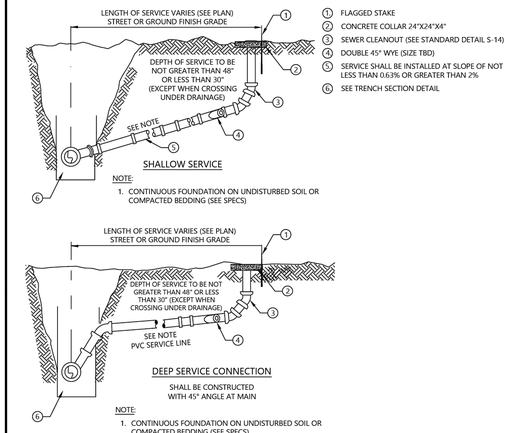
1. STANDARD WYE OR TEE WYE
2. PVC SEWER SERVICE LINE
3. SHORT RADIUS 45° BEND WITH WYE FITTINGS
4. PLUG ENDS WITH HEAVY WALL PVC CAPS (TYP)
5. 5' MIN. PIPE BETWEEN FITTINGS
6. 6" OR 8" CLEANOUT
7. DOUBLE 45° WYE (SIZE TBD)

LEE COUNTY UTILITIES ENGINEERING
1500 MONROE STREET, FORT MYERS, FLORIDA 33901

TITLE: STANDARD SEWER SERVICE LATERAL
REVISION: 3/27/24
STD'D NO.: S-12.dwg

NOT TO SCALE

March 27, 2024 6:24 AM S:\Utilities\ENGINEERING\ACAD\LCU-CAD-Stnds\151209 LCU STD DETAILS\CAD FILES\S-12.dwg



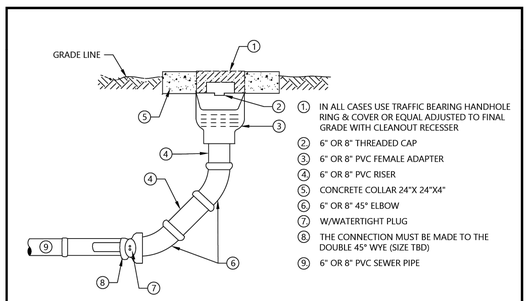
1. FLAGGED STAKE
2. CONCRETE COLLAR 24"X24"X4"
3. SEWER CLEANOUT (SEE STANDARD DETAIL S-14)
4. DOUBLE 45° WYE (SIZE TBD)
5. SERVICE SHALL BE INSTALLED AT SLOPE OF NOT LESS THAN 0.63% OR GREATER THAN 2%
6. SEE TRENCH SECTION DETAIL

LEE COUNTY UTILITIES ENGINEERING
1500 MONROE STREET, FORT MYERS, FLORIDA 33901

TITLE: STANDARD SEWER SERVICE LATERAL
REVISION: 3/27/24
STD'D NO.: S-13.dwg

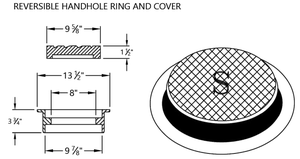
NOT TO SCALE

March 27, 2024 7:33 AM S:\Utilities\ENGINEERING\ACAD\LCU-CAD-Stnds\151209 LCU STD DETAILS\CAD FILES\S-13.dwg



1. IN ALL CASES USE TRAFFIC BEARING HANDHOLE RING & COVER OR EQUAL ADJUSTED TO FINAL GRADE WITH CLEANOUT RECESSER
2. 6" OR 8" THREADED CAP
3. 6" OR 8" PVC FEMALE ADAPTER
4. 6" OR 8" PVC RISER
5. CONCRETE COLLAR 24"X 24"X4"
6. 6" OR 8" 45° ELBOW
7. W/WATERTIGHT PLUG
8. THE CONNECTION MUST BE MADE TO THE DOUBLE 45° WYE (SIZE TBD)
9. 6" OR 8" PVC SEWER PIPE

REVERSIBLE HANDHOLE RING AND COVER



COVERS ARE MARKED WITH "S"

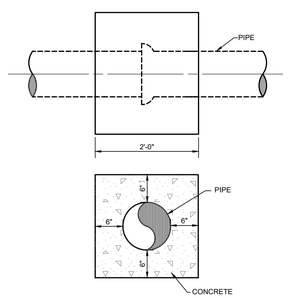
COVER TYPE	LOAD RATING	COVER WEIGHT	TOTAL WEIGHT
FE	HEAVY DUTY	20	45

LEE COUNTY UTILITIES ENGINEERING
1500 MONROE STREET, FORT MYERS, FLORIDA 33901

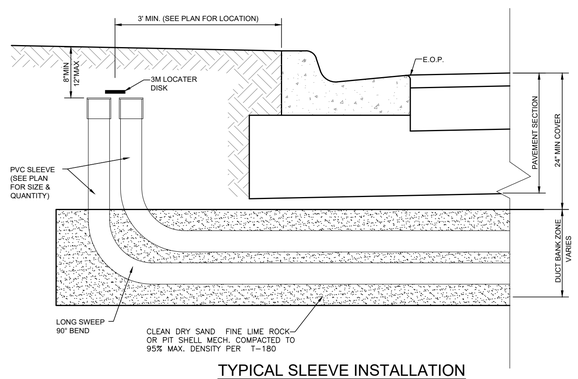
TITLE: 6" TO 8" SEWER CLEANOUT
REVISION: 4/2/24
STD'D NO.: S-14.dwg

NOT TO SCALE

April 2, 2024 10:46 AM S:\Utilities\ENGINEERING\ACAD\LCU-CAD-Stnds\151209 LCU STD DETAILS\CAD FILES\S-14.dwg



PIPE ENCASEMENT
W-PIPENC.dwg (2009)
N.T.S.



TYPICAL SLEEVE INSTALLATION
CB-F.dwg (2007)
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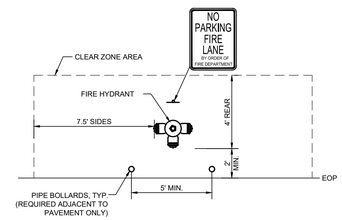

HYDRANT CLEARANCE ZONE
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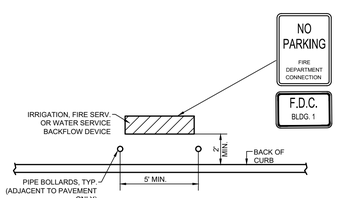


MISC. UTILITY CLEARANCE ZONE
W-UTIL-ZONE.dwg (2009)
N.T.S.

VERTICAL ELEVATIONS BASED ON: NAVD 88

ALBERT A. MARTES-RODRIGUEZ LICENSE No. 98986 STATE OF FLORIDA PROFESSIONAL ENGINEER
Albert A. Martes-Rodriguez, P.E.
LICENSE# 98986

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004,FAC

DATE	BY	REVISION DESCRIPTION
06/04/26	AAR	INITIAL LEE COUNTY D.O. SUBMITTAL

AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD. S #200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

SHOPPES AT LEE BLVD.
LOT 3
5540 LEE BOULEVARD
LEHIGH ACRES, FLORIDA 33971

LEE COUNTY UTILITY DETAILS (B)

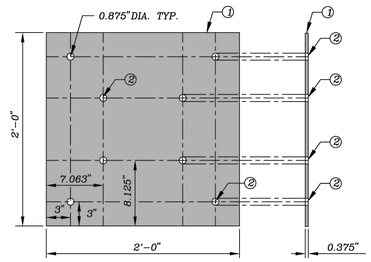
#26-111/CONST.

16 OF 18

P:\CAD\2026\26-111\CONSTRUCTION\PLOT\26-111-15-18 - LCU\DTLS.dwg, I:\ UTILITY DETAILS (B), 6/4/2026 2:32:06 PM, 2025 Avalon Engineering Inc. 2025 Avalon Engineering Inc.

STANDARD DETAIL NO. 6.41
LEE COUNTY UTILITIES
4" DIAMETER PUMP DISCHARGE BASE PLATE

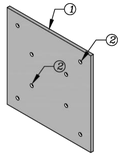
N.T.S.



PLAN VIEW SECTION VIEW

① 316 STAINLESS STEEL BASE PLATE

② 3/4"DIA. x 6" STAINLESS STEEL WEDGE BOLT SCREW ANCHORS, (8 EA.)



ISOMETRIC VIEW

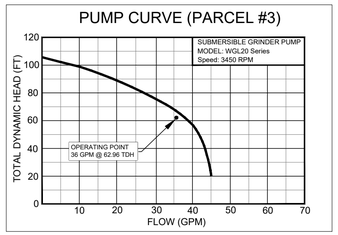
REV: 12/10/2015

PS #1 TABLE

NUMBER OF PUMPS			# 1	# 2	
PUMP MANUFACTURER			MYERS	MYERS	
PUMP MODEL NUMBER			WGL20	WGL20	
IMPELLER NUMBER			RECESSED CAST IRON	RECESSED CAST IRON	
TYPE OF PUMP			IMPELLER/GRINDER		
DESIGN CAPACITY PER PUMP			36		(GPM)
TOTAL DYNAMIC HEAD			62.96		(FEET)
DESIGN SPEED			3450		(PRM)
MIN. HORSEPOWER PER PUMP			2		(HP)
VOLTS			200		(VOLTS)
PHASE POWER			3		(PH)
PUMP DISCHARGE SIZE			2		(INCHES)
DIAMETER RISER PIPE			2		(INCHES)
PUMP ON ELEVATION	'E'	'D'	15.70	16.20	(FEET)
HIGH WATER ALARM		'C'	16.70		(FEET)
PUMP OFF ELEVATION		'F'	15.20		(FEET)
DIAMETER PIPE AFTER RISER			2		(INCHES)
DIAMETER WETWELL (I.D.)			4		(FEET)
TOP OF WETWELL ELEVATION		'A'	25.00		(FEET)
BOTTOM ELEVATION		'G'	14.20		(FEET)
INFLUENT GRAVITY PIPE INVERT		'B'	17.20		(FEET)

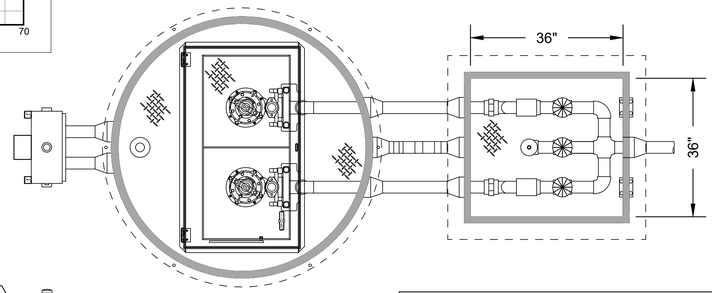
BASIS OF DESIGN			
	A.D.F. (gpm)	P.H.F. (gpm)	PEAK ERU (1 ERU= 250 gpd)
7 ELEVEN	1.6	5.6	35.8

PUMP CURVE (PARCEL #3)



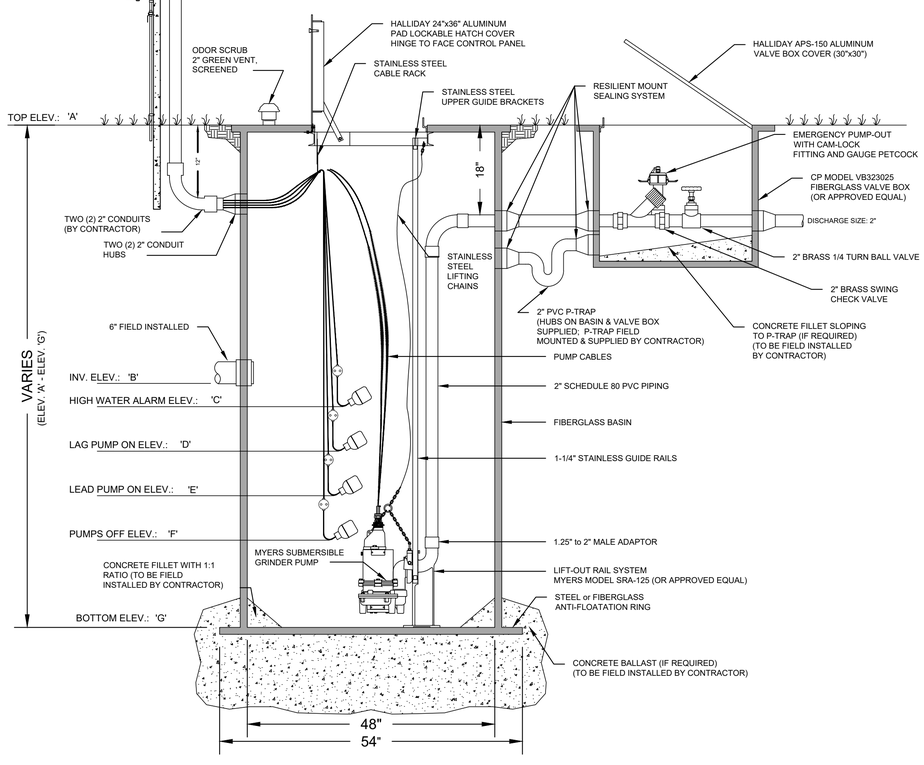
WET WELL NOTE:

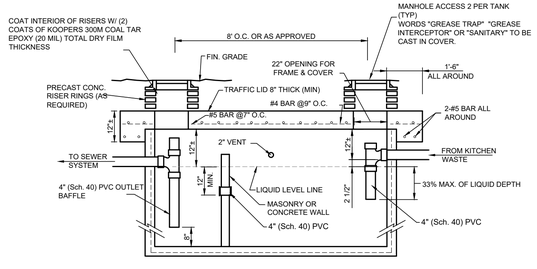
FIBERGLASS WET WELL MAY BE USED AS AN ALTERNATIVE TO THE CONCRETE WET WELL AS SHOWN. IF A FIBERGLASS WET WELL IS PROPOSED, THE CONTRACTOR MUST PROVIDE SPECIFICATIONS AND BUOYANCY CALCULATIONS TO THE ENGINEER OF RECORD FOR REVIEW AND APPROVAL PRIOR TO COMMENCEMENT OF CONSTRUCTION.



NOTE:

POWER TO PUMP STATION SHALL BE SERVICED BY PROPOSED BUILDING TENANT.
SEE ARCHITECTURAL / ELECTRICAL PLANS FOR DETAILS.





NOTES:

1) DESIGN, SIZE AND DIMENSIONS OF TANK(S); AND CONSTRUCTION SHALL CONFORM TO CHAPTER 64E-6 F.A.C. UNLESS OTHERWISE APPROVED. MINIMUM GREASE INTERCEPTOR TANK SIZE SHALL BE 750 GALLONS, MAXIMUM 1,250 GALLONS.
2) WALL THICKNESS WILL VARY BASED ON STRUCTURAL LOADING AND DEPTH. (REFER TO CHAPTER 64E-6 F.A.C. AND FDOT INDEX 425-001 FOR ADDITIONAL DETAILS)
3) SHOP DRAWINGS FOR BOTH PRECAST AND POURED-IN-PLACE TANKS, RING AND COVERS, SHALL BE SUBMITTED FOR APPROVAL PRIOR TO INSTALLATION.
4) ALL OPENINGS FOR PIPE TO BE FILLED WITH WATERPROOF GROUT.
5) INLET AND OUTLET CAPS TO BE VENTED.
6) ALL PIPE AND FITTINGS TO BE MIN. 4" SCH. 40 PVC UNLESS NOTED OTHERWISE.

GREASE TRAP SECTION (TRAFFIC BEARING)

N.T.S.

VERTICAL ELEVATIONS BASED ON: NAVD 88

ALBERT A. MARTES-RODRIGUEZ LICENSE No. 98986 STATE OF FLORIDA PROFESSIONAL ENGINEER
Albert A. Martes-Rodriguez, P.E.
LICENSE# 98986

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AVALON ENGINEERING, INC.
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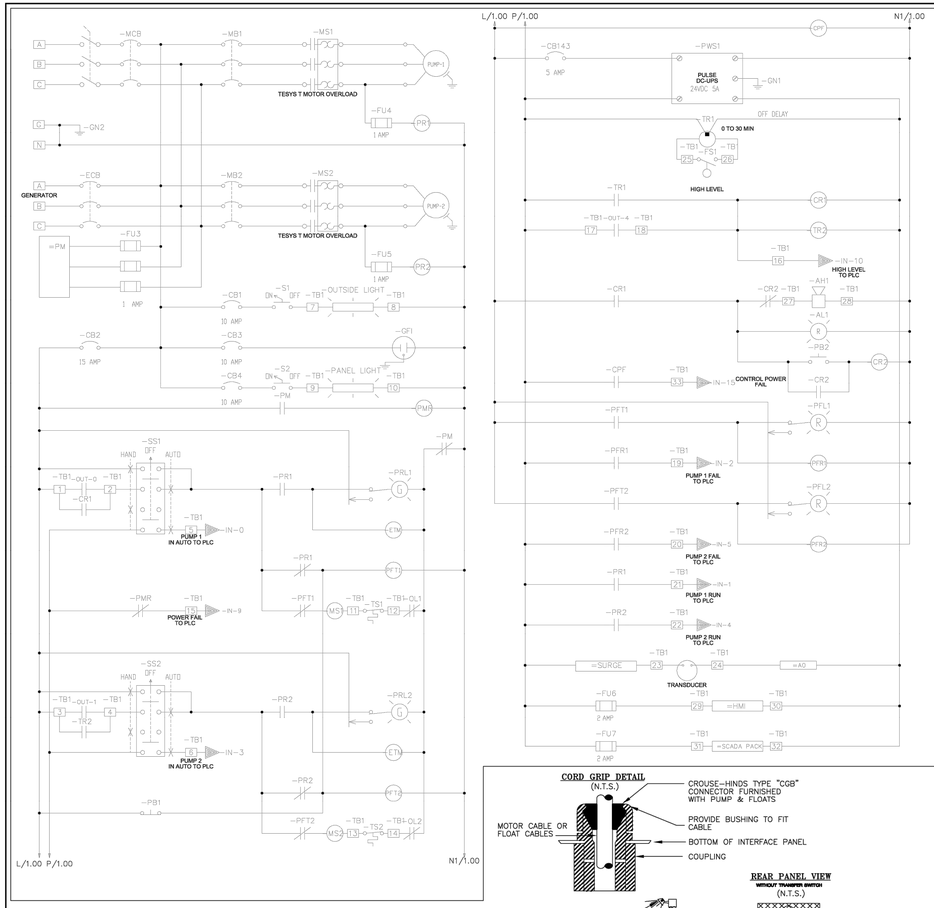
LEE COUNTY UTILITY
DETAILS (C)

#26-111/CONST.

P:\CAD\2026\26-111\CONSTRUCTION\PLOT\26-111-15-18 - LCU-DTLS.dwg, 17 UTILITY DETAILS (C), 6/4/2026 2:32:11 PM, 2025 Avalon Engineering Inc., 2025 Avalon Engineering Inc.

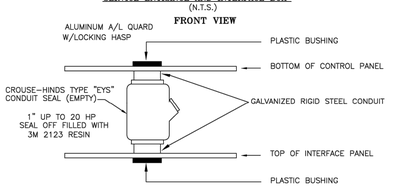


LADDER DIAGRAM MUST INCLUDE PROVISIONS FOR GFDR

COMPONENT LEGEND

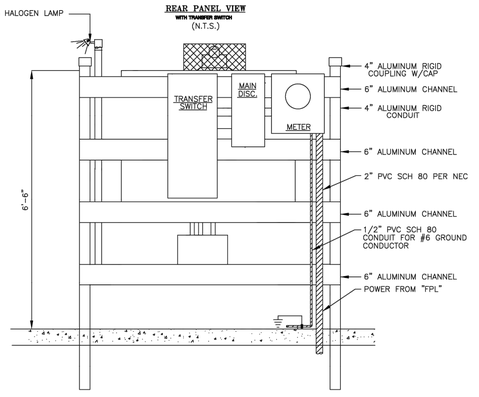
AL –	ALARM LIGHT	LCB –	LIGHT CONTROL BREAKER
ALT –	ALTERNATOR	MB –	MOTOR BREAKER
ATS –	ALTERNATOR TEST SWITCH	MCB –	MAIN CIRCUIT BREAKER
AV –	AIR VENT	MS –	MOTOR STARTER
BCB –	BLOWER CONTROL BREAKER	OL –	OVERLOAD
CCB –	CONTROL CIRCUIT BREAKER	PF –	PUMP FAILURE
DPDT–	DOUBLE–POLE, DOUBLE–THROW	PFT –	PUMP FAILURE TIMER
DR –	DISABLE RELAY	PM –	PHASE MONITOR
DRB –	DUPLEX RECEPTACLE BREAKER	PR –	PUMP RUN
ECB –	EMERGENCY CIRCUIT BREAKER	R –	RELAY
ETM –	ELAPSED TIME METER	RCB –	RTU CIRCUIT BREAKER
F –	FUSE	RECB–	RECEPTACLE CONTROL BREAKER
FB –	FUSE BLOCK	RL –	RUNNING LIGHT
FL –	FLASHER	RTU –	REMOTE TELEMETRY UNIT
FLG –	FLUORESCENT LIGHT	T –	TERMINAL
FLS –	FLUORESCENT LIGHT SWITCH	TB –	TERMINAL BLOCK
FR –	FLOAT REGULATOR	TD –	TIME DELAY
FTS –	FLOAT TEST SWITCH	TDODE	TIME DELAY ON DE–ENERGIZE
GFDR–	GROUND FAULT DUPLEX RECEPTACLE	TDOE–	TIME DELAY ON ENERGIZE
GND –	EARTH GROUND	TPDT–	TRIPLE–POLE, DOUBLE–THROW
GR –	GENERATOR RECEPTACLE	TTS –	THERMAL TERMINAL STRIP
HOA –	HAND–OFF–AUTO SELECTOR SWITCH	XFMR–	TRANSFORMER
LA –	LIGHTNING ARRESTOR	PFR	PUMP FAIL RESET

SERVICE ENTRANCE AND INTERFACE BOX
(N.T.S.)

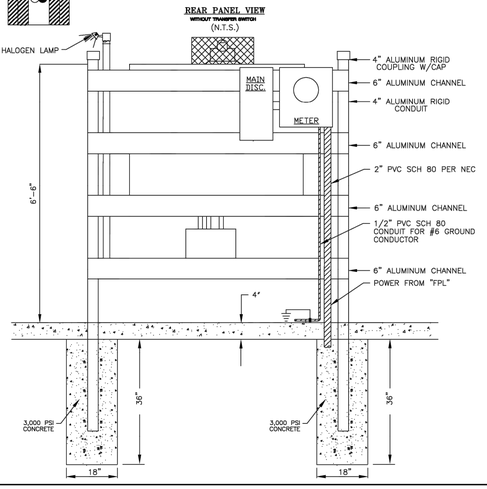


CORD GRIP DETAIL
(N.T.S.)

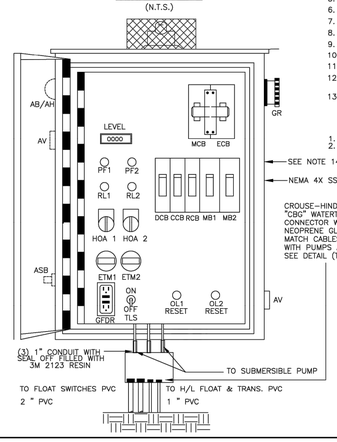
REAR PANEL VIEW
WITH TRANSFER SWITCH
(N.T.S.)



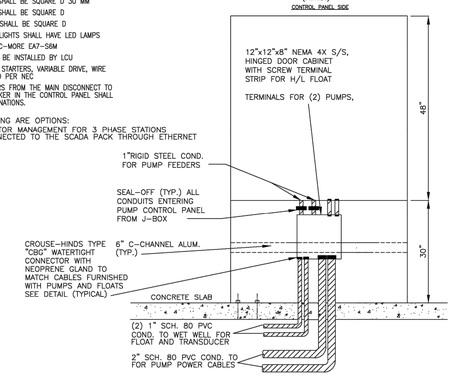
REAR PANEL VIEW
WITHOUT TRANSFER SWITCH
(N.T.S.)



FRONT PANEL VIEW
(N.T.S.)



EQUIPMENT ELEVATION
(N.T.S.)
CONTROL PANEL SIDE



GENERAL NOTES AND REQUIREMENTS

1. THE ELECTRICAL CONTRACTOR SHALL COMPLY WITH THE STANDARD BUILDING CODES AND LOCAL CODES AS MAY BE APPLICABLE. SIX SHOP DRAWINGS OF ALL MAJOR EQUIPMENT SHALL BE REQUIRED PRIOR TO ORDERING EQUIPMENT.
2. WORK SHALL INCLUDE ALL LABOR, MATERIALS, PERMITS AND COSTS FOR INSTALLATION OF A COMPLETE ELECTRICAL SYSTEM.
3. ALL EQUIPMENT, FIXTURES, ETC., SHALL BE STARTED, TESTED, ADJUSTED AND PLACED IN SATISFACTORY OPERATING CONDITION BY THIS CONTRACTOR WHO SHALL GUARANTEE ALL WORKMANSHIP, MATERIALS AND EQUIPMENT TO BE FREE OF DEFECTS FOR A PERIOD OF (1) ONE YEAR FROM DATE OF CERTIFICATE OF OCCUPANCY (C.O.); AND SHALL REPAIR SUCH DEFECTS WITHOUT COST TO THE OWNER. ALL EQUIPMENT SHALL BE COVERED FOR THE DURATION OF THE MANUFACTURER'S GUARANTEE OR WARRANTY, AND THIS CONTRACTOR SHALL FURNISH THE OWNER WITH ALL MANUFACTURER'S GUARANTEES AND WARRANTIES.
4. ALL WIRE SIZES SHOWN ARE FOR TINNED COPPER CONDUCTORS.
5. THE ELECTRICAL CONTRACTOR SHALL INSTALL METERING OF A TYPE APPROVED BY THE UTILITY COMPANY AND U.L. LISTED. THIS METER SHALL BE MADE OF ALUMINUM OR STAINLESS.
6. IT IS NOT THE INTENT OF THESE PLANS TO SHOW ALL DETAILS OF CONSTRUCTION. THE ELECTRICAL CONTRACTOR IS EXPECTED TO FURNISH AND INSTALL ALL ITEMS SUCH AS HARDWARE, CONDUIT FITTINGS, ETC., AS NECESSARY FOR A COMPLETE ELECTRICAL SYSTEM IN WORKING ORDER.
7. PROVIDE A SERVICE GROUND ACCORDING TO N.E.C. ART. 250, PART "H" MINIMUM INSTALLATION TO INCLUDE: FOOTER/FOUNDATION REINFORCING STEEL (20' OF #4 MIN. SIZE), TURNED UP OR OTHERWISE EXPOSED AT THE SERVICE WITH APPROVED CONNECTORS BONDING A GROUNDING CONDUCTOR SIZED PER TABLE 250–94 TO THE STEEL AND A DRIVEN ROD GROUND (MIN. 5/8" X 8' DEEP) WITH #6 COPPER GROUNDING CONDUCTOR. ALSO BOND: METAL PIPING AND EQUIPMENT.
8. ALL FASTENERS FOR CONSTRUCTION OF THE PANEL ENCLOSURE SHALL BE TYPE 304 S/S SCREWS, NUTS, BOLTS & WASHERS.
9. PLASTIC WARNING LABELS STATING "DANGER HIGH VOLTAGE" "PUMP STATION VOLTAGE" IN RED WITH 1" WHITE LETTERS. SECURE LABEL TO DOOR.
10. NON FUSED SAFETY DISCONNECT SWITCH SHALL BE SQ–D CLASS 3110 IN NEMA 4X STAINLESS STEEL ENCLOSURE C/W HANDLE WITH POWER ON POSITION LOCKING PLATE. POWER SUPPLY TO CONTROL PANEL SHALL EXIT THRU UNDERSIDE. DISCONNECT BOX SHALL HAVE LOCKABLE QUICK RELEASE DOOR LATCH ON CABINET ENCLOSURE. (NO SCREW DOWN COVER WILL BE ACCEPTED) NOTE: IF SITE HAS GENERATOR DISCONNECT SHALL HAVE A BREAKER SIZED PER NEC IN A CLASS 610 SQ–D NEMA 4X SS BREAKER ENCLOSURE.
11. LADDER DIAGRAM IS DRAWN FOR THREE PHASE 230V. CHANGES ARE REQUIRED FOR SINGLE PHASE 230V, THREE PHASE 208V OR THREE PHASE 460V.
12. CONTROL PANEL ENCLOSURE SHALL HAVE A PAINTED STEEL BACKPLATE, AND ALUMINUM DEADFRONT DOOR. ENCLOSURE SHALL BE TYPE 304 STAINLESS STEEL, NEMA 4X GASKETED TYPE WITH PAD LOCKABLE HASP. THREE POINT LATCH SYSTEM AND WIND RESTRAINER ARM THAT INCLUDES HARDWARE TO RESTRAIN DEADFRONT DOOR WHEN OPEN. ALL METAL COMPONENTS OF LATCH SYSTEM AND RESTRAINER TO BE MANUFACTURED OF TYPE 304 STAINLESS STEEL. ALL DEVICES MOUNTED ON ENCLOSURE ARE TO BE GASKETED OR CAULKED WITH SEALANT TO RETAIN NEMA RATING. ENCLOSURE SHALL BE FURNISHED WITH TYPE 304 STAINLESS STEEL 1–7/8" UNISTRUTS, WELDED. PROVIDE 1–7/8" STAINLESS STEEL CHANNEL STRUT C/W TYPE 304 STAINLESS STEEL NUTS AND BOLTS TO SUIT, AS SUPPLIED BY B–LINE SYSTEMS INC. OR EQUAL. ISOLATE DISSIMILAR METALS WITH TEFLON GAS.KETING. PROVIDE PAD LOCKING PROVISIONS. PANEL SHALL BE ASSEMBLED IN A UL. 508 RATED SHOP.
13. ALL ELECTRICAL CONDUITS TO/FROM CONTROL PANELS AND SERVICE FEEDER ARE TO DROP VERTICALLY TO CONCRETE SLAB AND ROUTED UNDER SLAB TO THEIR RISE LOCATION AND CONTINUE VERTICALLY TO DESTINATION.
14. AFTER ALL WIRING IS COMPLETED, ALL CGB'S MUST BE TIGHTENED TO SEAL AROUND CABLES.
15. FLOATS SHALL HAVE MERCURY CONTACTS.
16. PLC, RTU SHALL PROVIDE THE FUNCTIONS AS SPECIFIED IN THE TECHNICAL SPECIFICATIONS.
17. WHEN AN ODOR CONTROL SYSTEM IS REQUIRED THE PANEL MANUFACTURER SHALL PROVIDE AN APPROPRIATELY SIZED BREAKER AND AN ALARM CONTACT FOR THE RTU.
18. THE VARIABLE DRIVE SHALL BE A SQ.D ALTIVAR 61 OR APPROVED EQUAL BY LCU PROPER VENTILATION SHALL BE PROVIDED AS PER MAUFACTOR SPEC.
19. THE CONTRACTOR SHALL PROVIDE A LIGHTNING SURGE ARRESTOR RATED FOR THE INCOMING VOLTAGE AND CURRENT.
20. WHEN PANEL IS SUPPLIED WITH 480 VOLT A SIGN SHALL BE ADDED BY GFI RECEPTACLE STATING NOT RATED FOR POWER TOOLS.
21. ALL FEEDER WIRING FROM THE MAIN DISCONNECT TO THE CONTROL PANEL MAIN BREAKER SHALL HAVE NO TERMINATIONS, OR SPLICES NO EXCEPTIONS.

ELECTRICAL NOTES:

1. RTU SHALL BE SCADA PACK 334E
2. MODEM OR ANY OTHER COMMUNICATIONS WILL BE SUPPIED BY LCU
3. VARIABLE DRIVES TO BE USED ON ALL SINGLE PHASE POWER
4. VARIABLE DRIVES SHALL BE SQUARE D ALTIVAR 61
5. POWER SUPPLY SHALL HAVE BATTERY BACKUP
6. ALL SWITCHES SHALL BE SQUARE D 30 MM
7. ALL STARTERS SHALL BE SQUARE D
8. ALL BREAKERS SHALL BE SQUARE D
9. ALL INDICATOR LIGHTS SHALL HAVE LED LAMPS
10. HMI SHALL BE C–MORE EA7–S8M
11. PLC CODE WILL BE INSTALLED BY LCU
12. ALL BREAKERS, STARTERS, VARIABLE DRIVE, WIRE SHALL BE SIZED PER NEC
13. ALL CONDUCTORS FROM THE MAIN DISCONNECT TO THE MAIN BREAKER IN THE CONTROL PANEL SHALL HAVE NO TERMINATIONS.

THE FOLLOWING ARE OPTIONS:
1. TESYS T MOTOR MANAGEMENT FOR 3 PHASE STATIONS
2. DRIVES CONNECTED TO THE SCADA PACK THROUGH ETHERNET

VERTICAL ELEVATIONS BASED ON: NAVD 88

ALBERT A. MARTES-RODRIGUEZ LICENSE No. 98986 STATE OF FLORIDA PROFESSIONAL ENGINEER
Albert A. Martes-Rodriguez, P.E.
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DATE	BY	REVISION DESCRIPTION
06/04/26	AMR	INITIAL LEE COUNTY D.O. SUBMITTAL

FILE: S:\ENGINEERING\CAD_LCU–CAD–STDS\LCU STD DETAILS\CAD FILES
SCALE: NTS
DATE: 12/10/2015

LEE COUNTY UTILITIES ENGINEERING
1500 Monroe St. Fort Myers, Florida 33901
Ph. (239) 533–8181 Fax. (239) 485–8385

STANDARD DETAIL NO. 6.43
ELECTRICAL DIAGRAM AND NOTES

SHEET: 2 OF 2

AVALON ENGINEERING, INC.
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CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

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LEE COUNTY UTILITY
DETAILS (D)

#26-111/CONST.

18 OF 18

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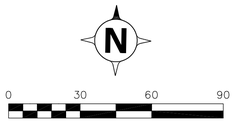
SURVEY PLAT

OF A PARCEL LYING IN
SECTION 30, TOWNSHIP 44 SOUTH, RANGE 26 EAST,
LEE COUNTY, FLORIDA.



LEGEND

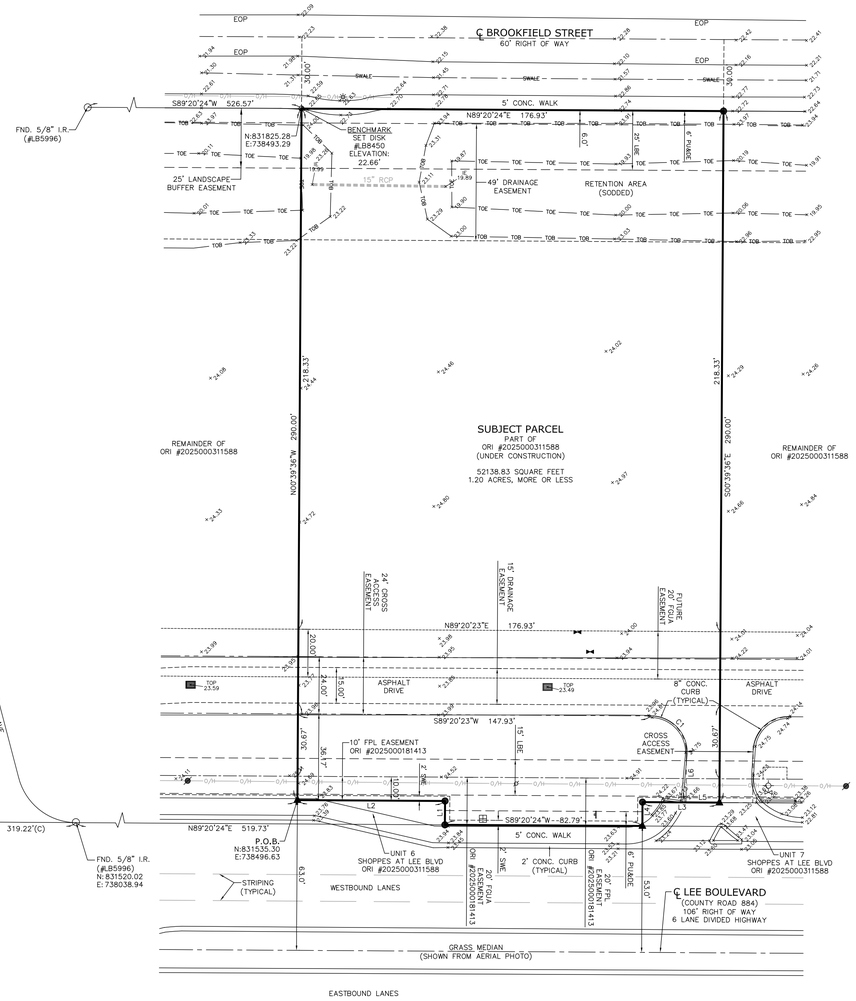
	BENCHMARK
▲	SET NAIL & DISK, #LB8450
●	SET 5/8" IRON ROD, #LB8450
△	FOUND NAIL & DISK, AS NOTED
○	FOUND 5/8" IRON ROD, AS NOTED
□	FOUND CONCRETE MONUMENT, AS NOTED
⊞	TRAFFIC PULL BOX
⊠	TRAFFIC SIGNAL CONTROL BOX
▩	DRAINAGE STRUCTURE
∅	WOOD UTILITY POLE
◪	CONCRETE UTILITY POLE
⋈	WATER GATE VALVE
⋈	SANITARY GATE VALVE
⊹	FIRE HYDRANT
※	LIGHT POLE
IE	INVERT ELEVATION
DUE	DRAINAGE & UTILITY EASEMENT
LS	LICENSED SURVEYOR
LB	LICENSED BUSINESS
PLS	PROFESSIONAL LAND SURVEYOR
FND.	FOUND
EOP	EDGE OF PAVEMENT
I.R.	IRON ROD
N/D	NAIL & DISK
C.M.	CONCRETE MONUMENT
I.D.	IDENTIFICATION
(M)	AS MEASURED
(D)	AS PER DEED
P.O.B.	POINT OF BEGINNING
P.O.C.	POINT OF COMMENCEMENT
OR	OFFICIAL RECORDS BOOK
ORI	OFFICIAL RECORDS INSTRUMENT
RCP	REINFORCED CONCRETE PIPE
PB	PLAT BOOK
PG	PAGE
CONC.	CONCRETE
EOP	EDGE OF PAVEMENT
O/H	OVERHEAD UTILITIES
TOB	TOP OF BANK
TOE	TOE OF SLOPE
FGUA	FLORIDA GOVERNMENTAL UTILITY AUTHORITY
LBE	LANDSCAPE BUFFER EASEMENT
SWE	SIDEWALK EASEMENT
PU&DE	PUBLIC UTILITY & DRAINAGE EASEMENT
N:	NORTHING COORDINATE
E:	EASTING COORDINATE
x 22.11	ELEVATION POINT

LINE TABLE

LINE	BEARING	DISTANCE
L1	N00°39'36"W	10.00'
L2	S89°20'24"W	61.89'
L3	S89°20'24"W	32.26'
L4	S00°39'56"E	10.00'
L5	S89°20'18"W	14.00'
L6	N00°39'36"W	21.17'

CURVE TABLE

CURVE	RADIUS	ARC LENGTH	CHORD L.	CHORD B.	DELTA ANGLE
C1	15.00'	23.56'	21.21'	N45°39'36"W	90°00'01"



DESCRIPTION:

(PREPARED BY THIS FIRM)

A TRACT OR PARCEL OF LAND SITUATED IN THE STATE OF FLORIDA, COUNTY OF LEE, LYING IN SECTION 30, TOWNSHIP 44 SOUTH, RANGE 26 EAST, BEING A PART OF THE PARCEL AS DESCRIBED IN OFFICIAL RECORDS INSTRUMENT 2025000311588, LEE COUNTY PUBLIC RECORDS, AND BEING FURTHER BOUNDED AND DESCRIBED AS FOLLOWS:

COMMENCING AT A 3"X3" CONCRETE MONUMENT WITH DISK STAMPED "PRM/LEHIGH CORP." MARKING THE NORTHEAST CORNER OF LOT 10, BLOCK 34, SAID LEHIGH ACRES SUBDIVISION, PLAT BOOK 26, PAGE 55; THENCE S.01°06'55"E. ALONG THE EAST RIGHT OF WAY LINE OF ALVIN AVENUE AS SHOWN ON SAID PLAT, FOR 546.02 FEET TO THE NORTHERLY RIGHT OF WAY LINE OF LEE BOULEVARD (COUNTY ROAD 884); THENCE N.89°20'24"E. ALONG SAID RIGHT OF WAY LINE FOR 319.22 FEET TO THE EASTERLY RIGHT OF WAY LINE OF ALVIN AVENUE, AS DESCRIBED IN OFFICIAL RECORDS BOOK 2837, PAGE 2748, SAID PUBLIC RECORDS, THENCE CONTINUE N.89°20'24"E. ALONG SAID NORTHERLY RIGHT OF WAY LINE OF LEE BOULEVARD FOR 519.73 FEET TO THE POINT OF BEGINNING; THENCE LEAVING SAID NORTHERLY RIGHT OF WAY LINE, N.00°39'36"W. FOR 10.00 FEET; THENCE S.89°20'24"W., PARALLEL WITH AND 10.00 FEET NORTH OF (AS MEASURED ON A PERPENDICULAR) SAID NORTHERLY RIGHT OF WAY LINE OF LEE BOULEVARD, FOR 61.89 FEET; THENCE N.00°39'36"W. FOR 290.00 FEET TO THE SOUTHERLY RIGHT OF WAY LINE OF BROOKFIELD STREET; THENCE N.89°20'24"E. ALONG SAID SOUTHERLY RIGHT OF WAY LINE FOR 176.93 FEET; THENCE LEAVING SAID SOUTHERLY RIGHT OF WAY LINE, S.00°39'36"E. FOR 290.00 FEET; THENCE S.89°20'24"W., PARALLEL WITH AND 10.00 FEET NORTH OF (AS MEASURED ON A PERPENDICULAR) SAID NORTHERLY RIGHT OF WAY LINE OF LEE BOULEVARD, FOR 32.26 FEET; THENCE S.00°39'56"E. FOR 10.00 FEET TO SAID NORTHERLY RIGHT OF WAY LINE; THENCE S.89°20'24"W. ALONG SAID NORTHERLY RIGHT OF WAY LINE FOR 82.79 FEET TO THE POINT OF BEGINNING.

EASEMENT NOTE AS PER FIRST AMENDMENT TO DECLARATION OF CONDOMINIUM OF SHOPPES AT LEE BLVD, ORI 2026000029398:

INGRESS AND EGRESS EASEMENT. A NON-EXCLUSIVE EASEMENT SHALL EXIST IN FAVOR OF EACH OWNER AND OCCUPANT, THEIR RESPECTIVE GUESTS, TENANTS, LICENSEES AND INVITEES FOR PEDESTRIAN AND VEHICULAR TRAFFIC OVER, THROUGH, AND ACROSS SIDEWALKS, STREETS, DRIVEWAYS, PATHS, WALKS, AND OTHER PORTIONS OF THE UNITS AS MAY FROM TIME TO TIME BE DESIGNATED, ALTERED AND/OR RE-CONFIGURED FOR SUCH PURPOSES AND USES BY THE OWNER OF SUCH UNIT, FOR REASONABLE VEHICULAR AND PEDESTRIAN INGRESS AND EGRESS.

NOTES:

THIS SURVEY PREPARED AS A BOUNDARY AND TOPOGRAPHIC SURVEY.

THIS SURVEY BASED ON THE SHOPPES AT LEE BLVD, A COMMERCIAL LAND CONDOMINIUM, AS SHOWN IN OFFICIAL RECORDS INSTRUMENT #2025000311588, LEE COUNTY PUBLIC RECORDS.

BEARINGS ARE BASED ON NORTH AMERICAN DATUM OF 1983/2011, THE NORTH RIGHT OF WAY LINE OF LEE BOULEVARD AS BEARING S.89°20'24"W.

ALL EASEMENTS ARE AS SHOWN ON THE SHOPPES AT LEE BLVD, A COMMERCIAL LAND CONDOMINIUM, AS SHOWN IN OFFICIAL RECORDS INSTRUMENT #2025000311588, LEE COUNTY PUBLIC RECORDS.

DRAINAGE STRUCTURES ARE UNDER CONSTRUCTION AND INACCESSIBLE.

COORDINATES ARE BASED ON NORTH AMERICAN DATUM OF 1983/2011.

ELEVATIONS AS SHOWN ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 FROM NATIONAL GEODETIC SURVEY BENCHMARK B 532, ELEVATION: 21.62 FEET.

PARCEL LIES IN FLOOD ZONE X, WITH NO BASE ELEVATION. THIS INFORMATION TAKEN FROM FEDERAL EMERGENCY MANAGEMENT AGENCY MAP NO. 12071C0475F (NOT PRINTED), EFFECTIVE DATE 8/28/2008.

THIS SURVEY WAS NOT INTENDED TO DELINEATE OR DEFINE ANY WETLANDS, ENVIRONMENTALLY SENSITIVE AREAS, WILDLIFE HABITATS, OR JURISDICTIONAL LINE OF ANY FEDERAL, STATE, REGIONAL OR LOCAL AGENCY, BOARD, COMMISSION OR OTHER ENTITY.

SAID PARCEL CONTAINS 56637.68 SQUARE FEET OR 1.30 ACRES, MORE OR LESS.

SURVEYOR'S CERTIFICATION:

I HEREBY CERTIFY TO THE BEST OF MY PROFESSIONAL KNOWLEDGE, THAT THIS PLAT OF THE HEREON DESCRIBED PROPERTY IS A TRUE REPRESENTATION OF A FIELD SURVEY MADE UNDER MY DIRECTION AND CONFORMS TO THE STANDARDS OF PRACTICE FOR PROFESSIONAL SURVEYORS AND MAPPERS AS OUTLINED IN CHAPTER 5J-17, FLORIDA ADMINISTRATIVE CODE.

KENNETH E. TRASK LICENSE NUMBER No. 4684 STATE OF FLORIDA

KENNETH E. TRASK DATE
PROFESSIONAL LAND SURVEYOR
FLORIDA LICENSE NO. LS4684

NOTICE:

UNLESS ELECTRONICALLY SIGNED AND SEALED, THIS SURVEY IS NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.

ADDITIONS OR DELETIONS TO SURVEY MAPS OR REPORTS BY OTHER THAN THE SIGNING PARTY OR PARTIES IS PROHIBITED WITHOUT WRITTEN CONSENT OF THE SIGNING PARTY OR PARTIES.

NO.	DATE	REVISION DESCRIPTION	BY

PROPERTY ADDRESS:

LEE BOULEVARD
LEHIGH ACRES, FL 33950

K.E. Trask, P.A.
Land Surveyors
Florida Licensed Business No. LB8450
12345 Blasingim Road
Fort Myers, Florida 33966
(239) 980-1495

date	dwg	scale	job#	sheet
4-1-26	21-152SR	1"=30'	26-07	1 of 1

Stormwater Report

FOR

Shoppes at Lee Blvd - Lot 3

REV00

Avalon Project No. 26-111

Prepared by:

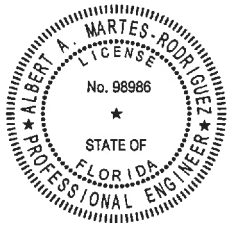
Avalon Engineering
Established in 1980

2503 Del Prado Boulevard, Suite 200
Cape Coral, FL 33904
Phone: (239) 573-2077
Fax: (239) 573-2076

Prepared for:

MHM Lee Lot 3, LLC
2670 Horseshoe Dr N #201
Naples, FL 34104

Engineer of Record:



Albert A Martes-Rodriguez
State of Florida
P.E. Licence
#:98986
2026.06.03
15:35:52-04'00'

THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY ALBERT A. MARTES-RODRIGUEZ, A FLORIDA P.E., ON THE DATE ADJACENT TO THE SEAL. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

Albert A. Martes-Rodriguez
FL. License #98986
FBPE #3128

Project Background & Existing Conditions:

This application proposes the development of a 6,897 SF commercial multi-tenant building on a 1.20-acre property currently owned by MHM Lee Blvd LLC. The site is located to the northeast of the intersection of Lee Blvd and Alvin Avenue/ Westgate Blvd in Lehigh Acres, Lee County, Florida within a commercial land condominium named Shoppes at Lee Blvd (FKA Lee Blvd Commercial Subdivision). The site's address is 5540 Lee Blvd Lehigh Acres, FL 33971. The parcel has a strap # of 30-44-26-L2-13000.0030 and is currently cleared, vacant, and is not located within a FEMA flood zone (FEMA FIRM:12071C0475F). The property has a C-2/ Commercial District zoning and a CU/ Central Urban Future land use. The site is bordered by Brookfield Street to the north, currently vacant commercial parcels (MHM Lee Blvd LLC Owned) to the east and to the west, and Lee Blvd (CR-884) to the south. The subject parcel belongs to an existing 6.30-acre stormwater management system (SWMS) that services the entire commercial land condominium which was originally permitted under SFWMD ERP 36-110884-P and Lee County DOS2024-00051.

Existing SFWMD ERP Permit:

The Shoppes at Lee Blvd commercial land condominium has a master SFWMD ERP (36-110884-P) that proposed the backbone infrastructure for the development, the master stormwater management system and a 7-Eleven gas/convenience store on Lot #1. The master system establishes a control elevation of 19.00' NAVD and was certified complete on April 8th, 2026. The system also assigned minimum design elevations for any proposed/future pavement areas, the perimeter berm, and the building finished floors. The original master ERP identified 5 individual commercial lots where 4 of them were designed as future development lots that were assigned maximum building and pavement area constraints.

Proposed SFWMD Permitting:

The purpose of this application is to apply for a SFWMD ERP Minor Modification aimed at revising the master ERP by reconfiguring the developments lot design. This reconfiguration consists of reducing the total number of lots in the master development from 5 lots to 4 lots and also includes the reallocation of maximum area constraints for each of the revised lots. Essentially, Lot #5 from the original ERP is being eliminated and its overall site area is being redistributed into Lots #2, #3, and #4. The site area of Lot #1, which is the existing 7-Eleven site, remains the same. The master developments overall ERP area (6.30 acres) and maximum overall build-out areas for building area (0.75 acres) and pavement area (3.72 acres) is to remain the same as previously permitted. This ensures the existing stormwater management system as previously designed will sufficiently support the reconfigured development layout. This application is also proposing the construction of the subject project on Lot #3 of the newly reconfigured master development. Please refer to the Site Area Comparison Table provided later in this report for more detailed information describing the proposed area reconfiguration.

Stormwater Management System Design:

The subject 1.20-acre project site is located within the existing master stormwater management system serving the Shoppes at Lee Blvd commercial land condominium. The existing stormwater management system utilizes an on-site surface dry detention/retention system to provide the required stormwater attenuation, nutrient removal, and volumetric water quality treatment volume required at the time of permit issuance of the master development ERP. The footprint of the proposed dry detention area is applied across the subdivision in different areas with interconnecting pipes.

As mentioned, this application reallocates maximum site area constraints to all the lots within its permit area. In order for the subject project site (Lot #3) to comply with the reallocated maximum site area constraints set forth in this application, a maximum building area of 0.16 acres and a maximum pavement area of 0.63 acres are required to be respected. The project site proposes 0.16 acres of building area and 0.63 acres of pavement area so the maximum area constraints for Lot #3 are sufficiently met. As a result, no negative impacts to the master system are anticipated with the development of this project and therefore no additional stormwater modeling of the master system is required. Please refer to the Site Area Comparison Table provided later in this report for more detailed information describing the proposed area reconfiguration.

The subject project site will outfall into the master system's dry detention/retention area located along the northern portion of the site. The master systems dry detention/retention areas are covered by a private drainage easement giving the commercial land condominium entity authorization to maintain the master system.

Minimum Parking Lot/Road Elevation:

Per ERP 36-110884-P, the maximum stage achieved during the 10 Year - 1 Day storm event was **23.39' NAVD**. The minimum road/parking lot elevation for this project has been designed to be **23.50' NAVD**, meeting the minimum requirement set forth by LAMSID. Refer to the proposed civil plans in this application as well as ERP 36-110884-P for specific stormwater design information.

Minimum Perimeter Berm Elevation:

Per ERP 36-110884-P, the maximum stage achieved during the 25 Year - 3 Day storm event was **23.95' NAVD**. The minimum perimeter berm elevation for this project has been designed to be **24.00' NAVD**, meeting the minimum requirement. Refer to the proposed civil plans in this application as well as ERP 36-110884-P for specific stormwater design information.

Minimum Finished Floor Elevation:

Per ERP 36-110884-P, the maximum stage achieved during the 100 Year - 3 Day storm event was **24.85' NAVD**. The site is not within a FEMA flood zone so no minimum base flood elevations apply. The minimum finished floor elevation for this project has been designed to be **25.00' NAVD**, meeting the minimum requirement. Refer to the proposed civil plans in this application as well as ERP 36-110884-P for specific stormwater design information.

SITE AREA COMPARISON TABLE						
LOT	PREVIOUSLY PERMITTED AREAS (AC)			PROPOSED AREAS (AC)		
	SITE	PAVEMENT	BUILDING	SITE	PAVEMENT	BUILDING
LOT 1	2.20	1.26	0.14	2.20	1.26	0.13
LOT 2	1.00	0.60	0.15	1.30	0.64	0.22
LOT 3	1.01	0.61	0.15	1.20	0.63	0.16
LOT 4	1.01	0.61	0.15	1.60	1.19	0.24
LOT 5	1.08	0.65	0.16	-	-	-
TOTALS	**6.30**	**3.72**	**0.75**	**6.30**	**3.72**	**0.75**

NOTES:

1) PREVIOUSLY PERMITTED AREAS BASED ON ERP 36-110884-P.

2) UNIT 5 HAS BEEN REMOVED FROM THE PERMIT AREA AS PART OF THIS APPLICATION.

STORMWATER DESIGN CONDITIONS SUMMARY			
DESIGN PARAMETER	**DESIGN STORM EVENT**	**MINIMUM ALLOWABLE ELEVATION (FT - NAVD)**	**PROPOSED MINIMUM ELEVATION (FT - NAVD)**
PARKING LOT	10 YEAR - 1 DAY	23.39	23.55
PERIMTER BERM	25 YEAR - 3 DAY	23.95	24.00
BUILDING FFE	100 YEAR - 3 DAY	24.85	25.00

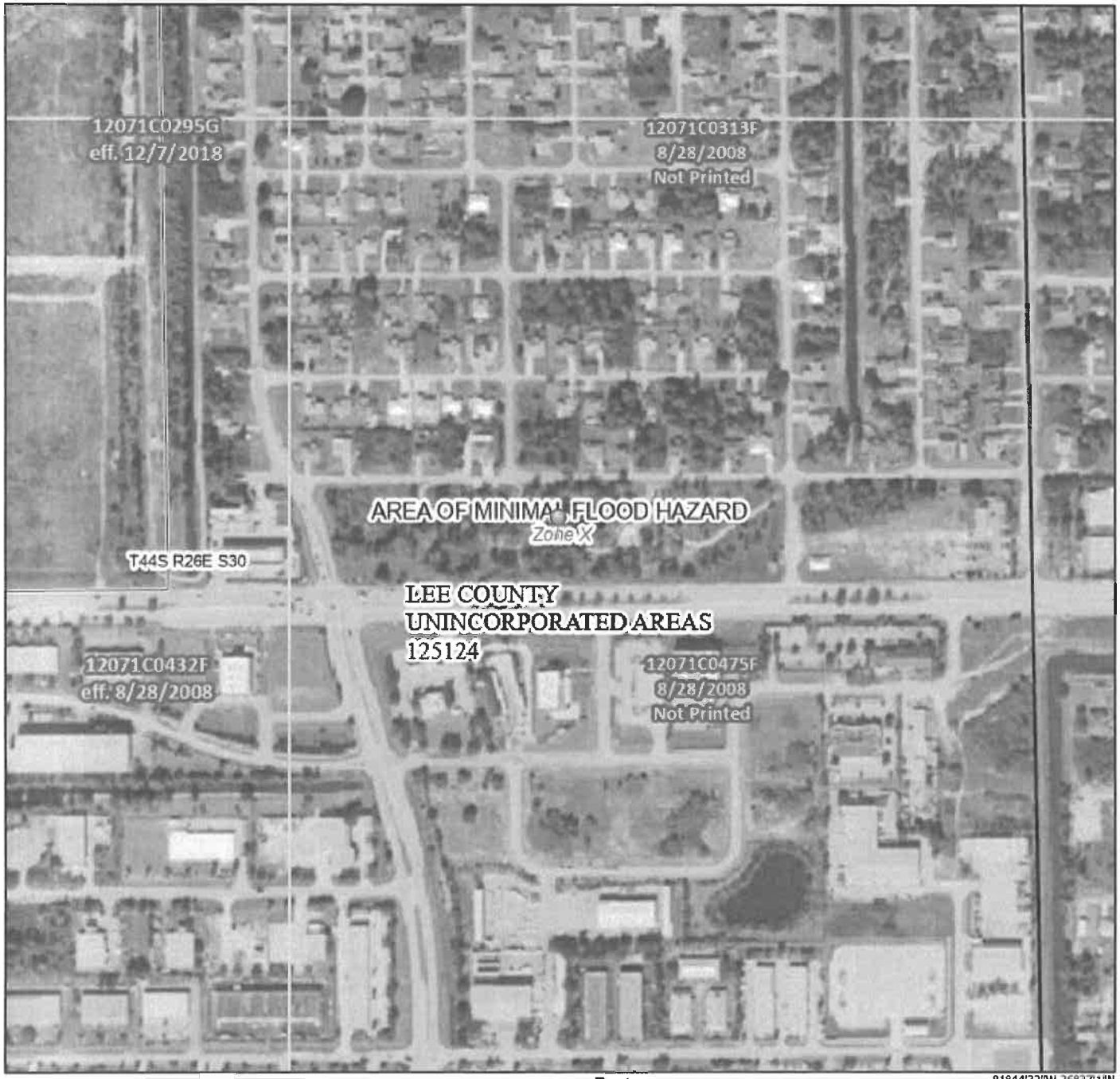
NOTES:

1) DESIGN CRITERIA BASED ON ERP 36-110884-P.

National Flood Hazard Layer FIRMette

FEMA

81°45'10"W 26°37'33"N



81°44'32"W 26°37'1"N

0 250 500 1,000 1,500 2,000 Feet

1:6,000

Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN — Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 — Cross Sections with 1% Annual Chance
- 17.5 — Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 4/15/2026 at 4:29 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Regulation Division

April 9, 2025

Haitham Kaki
Kakiland, LLC
340 E Sugarland Hwy
Clewiston, FL 33440

Subject: **Correction to Environmental Resource Permit Issued**
Permit No. 36-110884-P
Project Name: Lee Blvd Commercial Subdivision
Lee County

This is to notify you that our permit issued on November 22, 2024, had the wrong community listed for the credits the applicant is purchasing for mitigation. The enclosed permit has been revised to correct the difference. The corrected community Freshwater Forested was made to page 8 under Mitigation Plan and Cumulative Impact Analysis, as well as under the Total Mitigation Bank Credits Provided table on page 10.

We apologize for any inconvenience this may have caused. If you have any questions, please do not hesitate to contact this office.

Sincerely,

Richard Batewell III, P.E.
Regulation Section Administrator
South Florida Water Management District

Enclosure: Permit No. **36-110884-P**

cc: Michael Metcalf, Mhm Lee Blvd, LLC
Brendan Sloan, Avalon Engineering
Audubon of Florida
Div of Recreation and Park - District 4
US Army Corps of Engineers - Permit Section

South Florida Water Management District
Individual Environmental Resource Permit No. 36-110884-P
Date Issued: November 22, 2024

Corrected Copy April 9, 2025

Permittee:	Kakiland, LLC 340 E Sugarland Hwy Clewiston, FL 33440
Project:	Lee Blvd Commercial Subdivision
Application No.	240415-43334
Location:	Lee County, See Exhibit 1

Your application for an Individual Environmental Resource Permit is approved. This action is taken based on Chapter 373, Part IV, of Florida Statutes (F.S.) and the rules in Chapter 62-330, Florida Administrative Code (F.A.C.). Unless otherwise stated, this permit constitutes certification of compliance with state water quality standards under section 401 of the Clean Water Act, 33 U.S.C. 1341, and a finding of consistency with the Florida Coastal Management Program. Please read this entire agency action thoroughly and understand its contents.

This permit is subject to:

- Not receiving a filed request for a Chapter 120, F.S., administrative hearing.
- The attached General Conditions for Environmental Resource Permits.
- The attached Special Conditions.
- All referenced Exhibits.

All documents are available online through the District's RegPermitting site at www.sfwmd.gov/regpermitting.

If you object to these conditions, please refer to the attached "Notice of Rights" which addresses the procedures to be followed if you desire a public hearing or other review of the proposed agency action. Please contact this office if you have any questions concerning this matter. If we do not hear from you in accordance with the "Notice of Rights", we will assume that you concur with the District's action.

The District does not publish notices of action. If you wish to limit the time within which a person may request an administrative hearing regarding this action, you are encouraged to publish, at your own expense, a notice of agency action in the legal advertisement section of a newspaper of general circulation in the county or counties where the activity will occur. Legal requirements and instructions for publishing a notice of agency action, as well as a noticing format that can be used, are available upon request. If you publish a notice of agency action, please send a copy of the affidavit of publication provided by the newspaper to the District's West Palm Beach office for retention in this file.

If you have any questions regarding your permit or need any other information, please call us at 1-800-432-2045 or email regpermitting@sfwmd.gov.

Rich Batewell, III, P.E.
Section Administrator

South Florida Water Management District
Individual Environmental Resource Permit No. 36-110884-P

Date Issued: November 22, 2024	**Expiration Date:** November 22, 2029
Project Name:	Lee Blvd Commercial Subdivision
Permittee:	Kakiland, LLC 340 E Sugarland Hwy Clewiston, FL 33440
Operating Entity:	Lee Boulevard Commercial Property Owners Association, Inc.
Location:	Lee County
Permit Acres:	6.30 acres
Project Land Use:	Commercial
Special Drainage District:	Lehigh Acres Municpal Services Improvement District
Water Body Classification:	CLASS III
FDEP Water Body ID:	3240K
Wetland and Surface Water Impacts:	0.06 acres
Conservation Easement to District:	No
Sovereign Submerged Lands:	No

Project Summary
This Environmental Resource Permit (ERP) authorizes construction and operation of a stormwater management (SWM) system serving 6.30 acres of commercial development known as Lee Blvd Commercial Subdivision.

The project proposes the construction of a commercial subdivision with a master SWM system that serves 5 individual commercial lots. This first phase includes the construction of storm sewers, SWM ponds, roadway, and underground utility infrastructure; as well as the construction of Lot 1 which is a 7-Eleven gas station/convenience store. Lots 2-5 are currently shown as future development lots that will each require construction permits prior to their individual times of development. The SWM system consists of inlets and storm sewer to collect and convey runoff to a dry detention system with outfall through a control structure to the Lehigh Acres storm sewer system that ultimately discharges into the Orange River. Refer to the Engineering Evaluation and Exhibit Nos. 2.0 and 2.1 for additional information.

Issuance of this permit constitutes certification of compliance with state water quality standards in accordance with Rule 62-330.062, F.A.C..

Site Description
The site is a vacant parcel located on the northeast corner of the intersection between Lee Boulevard and Alvin Avenue in Lehigh Acres, Lee County. Refer to Exhibit No. 1.0 for a location map.

For information on wetland and other surface water (OSW) impacts, please see the Wetlands and OSWs section of this permit.

Ownership, Operation, and Maintenance (O&M)
Perpetual O&M of the SWM system is the responsibility of Lee Boulevard Commercial Property Owners Association, Inc. as indicated in the submitted draft governing documents. Refer to Exhibit Nos. 4.0 and 4.1. Upon completion of construction and in conjunction with submittal of the construction completion certification (CCC), a request for transfer to the operating entity and recorded copies of its governing documents must be submitted in accordance with General Condition No. 7.

Engineering Evaluation:

Land Use
Please refer to page 8 of Exhibit No. 2.0 for land use details.

Water Quality
The project provides 0.78 ac-ft of water quality treatment. The SWM system complies with Section 4.2.1, ERP Applicant's Handbook (AH) Volume (Vol.) II.

The project includes implementation of a Turbidity and Erosion Control Plan, (Exhibit No. 2.0), as additional reasonable assurance of compliance with water quality criteria during construction.

Water Quantity
Future Phases of this commercial development shall not exceed 0.75 percent impervious area per acre.

Discharge
As found in the SWM Data Table on page 13 of Exhibit No. 2.0, the SWM design meets the criteria of Section 3.2(c), ERP AH Vol. II based on the allowable discharge formula of 30 CSM for the Lehigh Acres Municipal Improvement District. The project is utilizing the minimum 3.0-inch diameter bleeder.

Parking Lot Design
As found in the SWM Data Table on page 13 of Exhibit No. 2.0, the minimum parking lot elevations have been set at or above the peak design storm elevation.

Road Design
As found in the SWM Data Table on page 13 of Exhibit No. 2.0, the minimum road crown elevations have been set at or above the peak design storm elevation.

Perimeter Berm
As found in the SWM Data Table on page 13 of Exhibit No. 2.0, the minimum perimeter berm elevations have been set at or above the peak design storm elevation.

Finished Floors
As found in the SWM Data Table on page 13 of Exhibit No. 2.0, the minimum finished floor elevations have been set at or above the peak design storm elevation.

Flood Plain/Compensating Storage
The project does not require compensating storage for fill as it is in FEMA Zone X outside of the 100-year floodplain.

Construction Completion Certification (CCC) and O&M
Pursuant to Chapter 62-330.310, F.A.C., Individual Permits will not be converted from the construction phase to the operation phase until CCC of the project is submitted to and accepted by the District. This includes compliance with all permit conditions, except for any long-term maintenance and monitoring requirements. It is suggested that the permittee retain the services of an appropriate professional registered in the State of Florida for periodic observation of construction of the project.

For projects permitted with an operating entity that is different from the permittee, it should be noted that until the CCC is accepted by the District and the permit is transferred to an acceptable operating entity pursuant to Sections 12.1 - 12.3, ERP AH Vol. I and Section 62-330.310, F.A.C., the permittee is liable for O&M in compliance with the terms and conditions of this permit.

In accordance with Section 373.416(2), F.S., unless revoked or abandoned, all SWM systems and works permitted under Part IV of Chapter 373, F.S., must be operated and maintained in perpetuity.

Refer to Exhibit No. 2.1 for the Operation and Maintenance Plan.

The efficiency of SWM systems, dams, impoundments, and most other project components will decrease over time without periodic maintenance. The O&M entity must perform periodic inspections to identify if there are any deficiencies in structural integrity, degradation due to insufficient maintenance, or improper operation of projects that may endanger public health, safety, or welfare, or the water resources. If deficiencies are found, the O&M entity is responsible for correcting the deficiencies in a timely manner to prevent compromises to flood protection and water quality. See Section 12.4, ERP AH Vol. I for Minimum Operation and Maintenance Standards.

Notable project components requiring routine inspection and maintenance include but are not limited to:

- Side slopes for stormwater lakes and ponds – maintain side slopes no steeper than 4:1 (horizontal:vertical) to a depth of 2.0 feet below the control elevation and nurtured or planted from 2.0 feet below to 1.0 feet above the control elevation pursuant to Section 5.4.2, ERP AH Vol. II.
- Conveyance pipes, conveyance structures and discharge structures – all pipes and structures must be inspected for structural integrity and be maintained clear of trash, sediment and vegetative debris.
- Exfiltration trenches – all pipes and structures must be inspected for structural integrity and be maintained clear of trash, sediment and vegetative debris.
- Swales – maintain the permitted cross-section and vegetative cover.
- Underground storage facilities – all facilities must be inspected for structural integrity and be maintained clear of trash, sediment and vegetative debris.
- Pumps – float switches should be inspected and any obstructions removed to ensure proper operation; intake and discharge pipes should be maintained clear of trash, sediment and vegetative debris; motors should be maintained to ensure proper operation.

Engineering Evaluation Tables:

Land Use

Basin	Land Type	Area (ac)	% of Total Basin
SITE	Building Coverage	0.75	11.90
	Pavement	4.22	66.98
	Open Space	0.41	6.51
	Dry Detention Areas	0.92	14.60
	Total:	6.30	100%

Water Quality

Basin	Treatment Type	Treatment System	Volume Required (ac-ft)	Volume Provided (ac-ft)	Area (ac)	Overflow Elevation (ft NAVD88)
SITE	Treatment	DRY DETENTION	0.77	0.78	0.87	24.00

Water Quantity

Basin	Elevation Type	Storm Event (Yr/Day)	Precipitation Depth (in)	Peak Stage (ft NAVD88)	Min. EL (ft NAVD88)	Peak Discharge Rate (cfs)	Allowable Discharge Rate (cfs)
SITE	Finished Floor	100Y3D	14.20	24.85	25.00	N/A	N/A
	Perimeter Berm/ Discharge	25YR3D	10.70	23.95	24.00	0.52	0.30
	Road Crown	10YR1D	6.99	23.39	23.50	N/A	N/A
	Parking Lot	10YR1D	6.99	23.39	23.50	N/A	N/A

Bleeder

Basin	Control EL (ft NAVD88)	Structure #	Structure Type	Count	Type	Dia.(in)	Invert EL (ft NAVD88)	Receiving Body
SITE	19.00	CS-A	SWM	1	Circular Orifice	3.00	19.00	County Storm Sewer

Inlets

Basin	Control EL (ft NAVD88)	Structure #	Structure Type	Count	Type	Length (in)	Width (in)	Crest EL (ft NAVD88)	Receiving Body
SITE	19.00	CS-A	SWM	1	FDOT MOD E DROP INLET	54.0	36.0	24.45	County Storm Sewer

Weir

Basin	Control EL (ft NAVD88)	Structure #	Structure Type	Count	Type	Length (in)	Width (in)	Crest EL (ft NAVD88)	Receiving Body
SITE	19.00	CS-A	SWM	1	Broad Crested	36.00	6.00	23.95	County Storm Sewer

Culvert

Basin	Control EL (ft NAVD88)	Structure #	Structure Type	Count	Dia.(in)	Length (ft)	Invert EL (ft NAVD88)	Material	Receiving Body
SITE	19.00	CS-A	SWM	1	15.00	31.0	18.00	High Density Polyethylene	County Storm Sewer

Environmental Evaluation:

Wetland and OSW Description
The project site contains 0.06 acres of wetlands. Please see Exhibit No. 3.1 Impact Map & UMAM for wetland locations. The wetlands can generally be described as hydric pine flattwoods. Additional wetland descriptions are available in Exhibit No. 3.0 FLUCCS Map and the Protected Species Assessment within the RegPermitting file.

Wetland and OSW Impacts
The project will result in 0.08 acres of wetland impacts as described in Environmental Data Table (0.06 direct impacts and 0.02 secondary impacts). Exhibit No. 3.1 Impact Map and UMAM identifies the locations of the wetlands being impacted.

Secondary Impacts
Secondary impacts were considered along the southeastern portion of the site where the onsite site wetlands extend off-site. Buffer requirements could not be met. The 0.02 acres of secondary impacts were included in the mitigation calculations, per Section 10.2.7, ERP AH Vol. I. Please see Exhibit No. 3.1 Impact Map & UMAM for secondary impact locations.

Mitigation Plan
To mitigate for the wetland impacts, the permittee will purchase 0.03 credits of Freshwater Forested from Little Pine Island Mitigation Bank, as depicted in Exhibit No. 3.2 LOR. The amount of required mitigation was determined using LPI MB Functional Assessment. The final scores can be found in Exhibit No. 3.1 Impact Map & UMAM.

Cumulative Impact Analysis
Since the mitigation is not located within the same basin as the wetland impacts, a cumulative impact analysis was conducted for the freshwater forested wetlands within the Tidal Caloosahatchee Basin (Basin) pursuant to Section 10.2.8, ERP AH Vol. I. This analysis can be found in the ePermitting file

Compensatory wetland mitigation for direct and secondary wetland impacts will be provided at the LPIMB. The LPIMB is 4,400± feet west of the Basin boundary, separated only by the tidal Matlacha Pass Waterbody. The wetlands within the Basin, the project site, and LPIMB share numerous physical and biological characteristics which are not separated by basin boundaries. The wetland functional gain created by the wetland enhancement and restoration activities within the LPIMB therefore spills over into the adjacent Basin wetlands.

Based on the analysis of existing wetlands in the Basin, the site-specific conditions at project, and the wetland functional gain that spills over from the LPIMB to the Basin, if reasonably expected future permit applications to similar wetland types were to contain the same percentage of impacts as the project, no cumulative impacts to the functions of wetlands within the Basin would occur as a result of the proposed project.

Based on the analysis provided and available information, the District has determined that the project will not result in unacceptable cumulative impacts to the Tidal Caloosahatchee Basin. This conclusion is project specific and does not apply to any other application.

Fish, Wildlife, and Listed Species
The project site does not contain significant habitat for wetland-dependent endangered or threatened wildlife species, or species of special concern. A site inspection was conducted by Owen Environmental Consulting, LLC staff in January 2024. No wetland-dependent endangered or threatened species or species of special concern were observed onsite. Submitted information indicates that potential use of the site by such species is minimal. Please see Protected Species Assessment within the RegPermitting file for more detailed information.

This permit does not relieve the permittee from complying with all applicable rules and any other agencies' requirements if, in the future, endangered or threatened species or species of special concern are discovered on the site.

Environmental Evaluation Tables:

Summary

Wetlands and Other Surface Waters:	0.06	acres
Direct Impacts:	0.06	acres
Secondary impacts:	0.02	acres
Net UMAM Functional Loss/ Gain:	0	units
Total Onsite Mitigation Area:	0	acres
Total Offsite Mitigation Area:	0	acres

Total Mitigation Bank Credits Provided

Mitigation Bank	Type	Total Credits
Little Pine Island	FF	0.03
Total:		0.03

Wetland Impacts

Activities in Wetlands or Other Surface Waters, With Mitigation at a Bank

ID	Acres	Community Description	Bank Name	Method	Current Score	With Score	Ratio or Add'l factor	Minimum Credits Needed
1	0.06	Hydric Pine Flatwoods	Little Pine Island	LPI	0.37	0	1	0.02
1S	0.02	Hydric Pine Flatwoods	Little Pine Island	LPI	0.37	0.13	1	0
Total:	**0.08**							

Related Concerns:

Water Use Permit Status
The permittee has indicated that an on-site well utilizing ground water from the Mid-Hawthorn Aquifer will be used as a source for irrigation water for the project. Water Use Permit No. 36-10338-W (Application No. 240722-44816) was issued on July 26, 2024.

The permittee has indicated that dewatering is not required for construction of this project.

This permit does not release the permittee from obtaining all necessary Water Use authorization(s) prior to the commencement of activities which will require such authorization, including construction dewatering and irrigation.

Water and Wastewater Service
FGUA Utilities (Florida Governmental Utility Authority)

Historical/ Archaeological Resources
The District has received correspondence from the Florida Department of State, Division of Historical Resources, on May 14, 2024 indicating that no significant archaeological or historical resources are recorded on the project site; therefore, the project is unlikely to have an effect upon any such resources.

This permit does not release the permittee from complying with any other agencies requirements in the event that historical and/or archaeological resources are found on the site.

General Conditions for Individual Environmental Resource Permits, 62-330.350, F.A.C.

1. All activities shall be implemented following the plans, specifications and performance criteria approved by this permit. Any deviations must be authorized in a permit modification in accordance with rule 62-330.315, F.A.C. Any deviations that are not so authorized may subject the permittee to enforcement action and revocation of the permit under Chapter 373, F.S.

2. A complete copy of this permit shall be kept at the work site of the permitted activity during the construction phase, and shall be available for review at the work site upon request by the Agency staff. The permittee shall require the contractor to review the complete permit prior to beginning construction.

3. Activities shall be conducted in a manner that does not cause or contribute to violations of state water quality standards. Performance-based erosion and sediment control best management practices shall be installed immediately prior to, and be maintained during and after construction as needed, to prevent adverse impacts to the water resources and adjacent lands. Such practices shall be in accordance with the State of Florida Erosion and Sediment Control Designer and Reviewer Manual (Florida Department of Environmental Protection and Florida Department of Transportation, June 2007), and the Florida Stormwater Erosion and Sedimentation Control Inspector's Manual (Florida Department of Environmental Protection, Nonpoint Source Management Section, Tallahassee, Florida, July 2008), which are both incorporated by reference in subparagraph 62-330.050(9)(b)5., F.A.C., unless a project-specific erosion and sediment control plan is approved or other water quality control measures are required as part of the permit.

4. At least 48 hours prior to beginning the authorized activities, the permittee shall submit to the Agency a fully executed Form 62-330.350(1), "Construction Commencement Notice," (October 1, 2013), (http://www.flrules.org/Gateway/reference.asp?No=Ref-02505), incorporated by reference herein, indicating the expected start and completion dates. A copy of this form may be obtained from the Agency, as described in subsection 62-330.010(5), F.A.C., and shall be submitted electronically or by mail to the Agency. However, for activities involving more than one acre of construction that also require a NPDES stormwater construction general permit, submittal of the Notice of Intent to Use Generic Permit for Stormwater Discharge from Large and Small Construction Activities, DEP Form 62-621.300(4)(b), shall also serve as notice of commencement of construction under this chapter and, in such a case, submittal of Form 62-330.350(1) is not required.

5. Unless the permit is transferred under rule 62-330.340, F.A.C., or transferred to an operating entity under rule 62-330.310, F.A.C., the permittee is liable to comply with the plans, terms, and conditions of the permit for the life of the project or activity.

6. Within 30 days after completing construction of the entire project, or any independent portion of the project, the permittee shall provide the following to the Agency, as applicable:
   a. For an individual, private single-family residential dwelling unit, duplex, triplex, or quadruplex- "Construction Completion and Inspection Certification for Activities Associated With a Private Single-Family Dwelling Unit"[Form 62-330.310(3)]; or
   b. For all other activities- "As-Built Certification and Request for Conversion to Operational Phase" [Form 62-330.310(1)].
   c. If available, an Agency website that fulfills this certification requirement may be used in lieu of the form.

7. If the final operation and maintenance entity is a third party:
   a. Prior to sales of any lot or unit served by the activity and within one year of permit issuance, or within 30 days of as-built certification, whichever comes first, the permittee shall submit, as applicable, a copy of the operation and maintenance documents (see sections 12.3 thru 12.3.4 of Volume I) as filed with the Florida Department of State, Division of Corporations, and a copy of any easement, plat, or deed restriction needed to operate or maintain the project, as recorded with the Clerk of the Court in the

County in which the activity is located.
b. Within 30 days of submittal of the as-built certification, the permittee shall submit "Request for Transfer of Environmental Resource Permit to the Perpetual Operation and Maintenance Entity" [Form 62-330.310(2)] to transfer the permit to the operation and maintenance entity, along with the documentation requested in the form. If available, an Agency website that fulfills this transfer requirement may be used in lieu of the form.

8. The permittee shall notify the Agency in writing of changes required by any other regulatory agency that require changes to the permitted activity, and any required modification of this permit must be obtained prior to implementing the changes.

9. This permit does not:
   a. Convey to the permittee any property rights or privileges, or any other rights or privileges other than those specified herein or in Chapter 62-330, F.A.C.;
   b. Convey to the permittee or create in the permittee any interest in real property;
   c. Relieve the permittee from the need to obtain and comply with any other required federal, state, and local authorization, law, rule, or ordinance; or
   d. Authorize any entrance upon or work on property that is not owned, held in easement, or controlled by the permittee.

10. Prior to conducting any activities on state-owned submerged lands or other lands of the state, title to which is vested in the Board of Trustees of the Internal Improvement Trust Fund, the permittee must receive all necessary approvals and authorizations under Chapters 253 and 258, F.S. Written authorization that requires formal execution by the Board of Trustees of the Internal Improvement Trust Fund shall not be considered received until it has been fully executed.

11. The permittee shall hold and save the Agency harmless from any and all damages, claims, or liabilities that may arise by reason of the construction, alteration, operation, maintenance, removal, abandonment or use of any project authorized by the permit.

12. The permittee shall notify the Agency in writing:
    a. Immediately if any previously submitted information is discovered to be inaccurate; and
    b. Within 30 days of any conveyance or division of ownership or control of the property or the system, other than conveyance via a long-term lease, and the new owner shall request transfer of the permit in accordance with Rule 62-330.340, F.A.C. This does not apply to the sale of lots or units in residential or commercial subdivisions or condominiums where the stormwater management system has been completed and converted to the operation phase.

13. Upon reasonable notice to the permittee, Agency staff with proper identification shall have permission to enter, inspect, sample and test the project or activities to ensure conformity with the plans and specifications authorized in the permit.

14. If prehistoric or historic artifacts, such as pottery or ceramics, projectile points, stone tools, dugout canoes, metal implements, historic building materials, or any other physical remains that could be associated with Native American, early European, or American settlement are encountered at any time within the project site area, the permitted project shall cease all activities involving subsurface disturbance in the vicinity of the discovery. The permittee or other designee shall contact the Florida Department of State, Division of Historical Resources, Compliance Review Section (DHR), at (850)245-6333, as well as the appropriate permitting agency office. Project activities shall not resume without verbal or written authorization from the Division of Historical Resources. If unmarked human remains are encountered, all work shall stop immediately and the proper authorities notified in accordance with section 872.05, F.S. For project activities subject to prior consultation with the DHR and as an alternative to the above requirements, the permittee may follow procedures for unanticipated discoveries as set forth within a cultural resources assessment survey determined complete and sufficient by DHR and included as a specific permit condition herein.

15. Any delineation of the extent of a wetland or other surface water submitted as part of the permit application, including plans or other supporting documentation, shall not be considered binding unless a specific condition of this permit or a formal determination under Rule 62-330.201, F.A.C., provides otherwise.

16. The permittee shall provide routine maintenance of all components of the stormwater management system to remove trapped sediments and debris. Removed materials shall be disposed of in a landfill or other uplands in a manner that does not require a permit under Chapter 62-330, F.A.C., or cause violations of state water quality standards.

17. This permit is issued based on the applicant's submitted information that reasonably demonstrates that adverse water resource-related impacts will not be caused by the completed permit activity. If any adverse impacts result, the Agency will require the permittee to eliminate the cause, obtain any necessary permit modification, and take any necessary corrective actions to resolve the adverse impacts.

18. A Recorded Notice of Environmental Resource Permit may be recorded in the county public records in accordance with Rule 62-330.090(7), F.A.C. Such notice is not an encumbrance upon the property.

Special Conditions for Individual Environmental Resource Permits, 62-330.350, F.A.C.

1. The construction authorization for this permit shall expire on the date shown on page 2.

2. Perpetual O&M of the SWM system shall be the responsibility of Lee Boulevard Commercial Property Owners Association, Inc. Upon completion of construction and in conjunction with submittal of the as-built certification, a request for transfer to the operating entity with supporting documentation must be submitted in accordance with General Condition No. 7.

3. Lake side slopes shall be no steeper than 4:1 (horizontal:vertical) to a depth of 2.0 feet below the control elevation. Side slopes shall be nurtured or planted from 2.0 feet below to 1.0 feet above control elevation to ensure vegetative growth.

4. A stable, permanent and accessible elevation reference shall be established on or within 100 feet of all permitted discharge structures no later than the submission of the certification report. The location of the elevation reference must be noted on or with the certification report.

5. Prior to any future construction, the permittee shall apply for and receive an Individual ERP. As part of the permit application, the applicant for that phase shall provide documentation verifying that the proposed construction is consistent with the design of the master stormwater management system, including the land use and site grading assumptions.

6. Prior to initiating construction activities associated with this ERP, the permittee is required to hold a pre-construction meeting with field representatives, consultants, contractors, District Environmental Resource Bureau (ERB) staff, and any other local government entities as necessary. The purpose of the pre-construction meeting is to discuss construction methods, sequencing, best management practices, identify work areas, staking and roping of preserves where applicable, and to facilitate coordination and assistance amongst relevant parties. To schedule a pre-construction meeting, please contact ERB staff from the Fort Myers Service Center at (239) 338-2929 or via e-mail at: precon@sfwmd.gov. When sending a request for a pre-construction meeting, please include the application number, permit number, and contact name and phone number.

7. All commercial/industrial parcels shall provide a minimum dry pre-treatment volume of 1/2 inch of runoff prior to discharge into the master stormwater management system.

8. This permit does not authorize the permittee to cause any adverse impact to or "take" of state listed species and other regulated species of fish and wildlife. Compliance with state laws regulating the take of fish and wildlife is the responsibility of the owner or permitee associated with this project. Please refer to Chapter 68A-27, F.A.C. for definitions of "take" and a list of fish and wildlife species. If listed species are observed onsite, FWC staff are available to provide decision support information or assist in obtaining the appropriate FWC permits. Most marine endangered and threatened species are statutorily protected and a "take" permit cannot be issued. Requests for further information or review can be sent to: FWCConservationPlanningServices@MyFWC.com.

9. Prior to commencement of construction, and in accordance with the work schedule herein, the permittee shall submit documentation from Little Pine Island Mitigation Bank (LPIMB) that 0.03 Freshwater Forested Credits for this project have been paid for in full and deducted from the LPIMB Mitigation Bank's ledger. See Exhibit No. 3.2 LOR.

10. The District reserves the right to require remedial measures to be taken by the permittee if monitoring or other information demonstrates that adverse impacts to onsite or offsite wetlands, upland conservation areas or buffers, or OSWs have occurred due to project related activities.

11. In addition to the requirements of General Condition No. 6, the permittee shall provide the following at the time of certification and request to transfer the permit to the operation phase: a. Record drawings signed and sealed by a registered professional in the State of Florida per Subsection 12.2(b)2, ERP AH Vol. I. b. A copy of the O&M plan, revised as necessary to be applicable to the SWM system as designed and permitted per Subsection 12.2.1.(b)5, ERP AH Vol. I. c. An updated copy of the cost estimate per Subsections 12.2.1.(b)6 & 12.3.5(a)4, ERP AH Vol. I.

12. In accordance with Exhibit No. 2.1 and Sections 12.5 and 12.6, ERP AH Vol. I, the permittee shall inspect the SWM system and submit an inspection report.

Project Work Schedule for Permit No. 36-110884-P

The following activities are requirements of this Permit and shall be completed in accordance with the Project Work Schedule below. Please refer to General Conditions, Special Conditions and/or Specific Conditions for more information. Any deviation from these time frames will require prior approval from the District's Environmental Resources Bureau and may require a modification to this permit. Such requests must be made in writing and shall include: (1) reason for the change, (2) proposed start/finish and/or completion dates, and (3) progress report on the status of the project.

Condition No.	Date Added	Description (Application Number)	Due Date	Date Satisfied
GC 4	04/09/2025	Construction Commencement Notice	Prior to Construction	
GC 6	04/09/2025	Submit Certification	30 Days After Construction Completion	
GC 7	04/09/2025	Submit Operation Transfer Request	Within 30 days of Certification	
SC 6	04/09/2025	Pre-Construction Meeting	Prior to Construction	
SC 9	04/09/2025	Submit Mitigation Bank Ledger Documentation	02/20/2025	04/07/2025
SC 11	04/09/2025	Additional Certification Documents	30 Days After Construction Completion Date	
SC 12	04/09/2025	O&M Inspection Report 1	Within 30 Days of Certification and Every Year Thereafter	

GC = General Condition

SC = Special Condition

Distribution List

Lee Boulevard Commercial Property Owners Association, Inc.

Michael Metcalf, Mhm Lee Blvd

Brendan Sloan, Avalon Engineering

Audubon of Florida

Div of Recreation and Park - District 4

US Army Corps of Engineers - Permit Section

Exhibits

The following exhibits to this permit are incorporated by reference. The exhibits can be viewed by clicking on the links below or by visiting the District's RegPermitting website at www.sfwmd.gov/regpermitting and searching under this application number 240415-43334.

Exhibit No. 1.0 Location Map

Exhibit No. 2.0 SWM Plans

Exhibit No. 2.1 O&M Plan

Exhibit No. 3.0 FLUCCS Map

Exhibit No. 3.1 Impact Map & UMAM

Exhibit No. 3.2 Letter of Reservation

Exhibit No. 4.0 Draft Plat

Exhibit No. 4.1 Draft Declaration of Covenants

NOTICE OF RIGHTS

As required by Chapter 120, Florida Statutes, the following provides notice of the opportunities which may be available for administrative hearing pursuant to Sections 120.569 and 120.57, Florida Statutes, or judicial review pursuant to Section 120.68, Florida Statutes, when the substantial interests of a party are determined by an agency. Please note that this Notice of Rights is not intended to provide legal advice. Some of the legal proceedings detailed below may not be applicable or appropriate for your situation. You may wish to consult an attorney regarding your legal rights.

RIGHT TO REQUEST ADMINISTRATIVE HEARING

A person whose substantial interests are or may be affected by the South Florida Water Management District's (District) action has the right to request an administrative hearing on that action pursuant to Sections 120.569 and 120.57, Florida Statutes. Persons seeking a hearing on a District decision which affects or may affect their substantial interests shall file a petition for hearing in accordance with the filing instructions set forth herein within 21 days of receipt of written notice of the decision unless one of the following shorter time periods apply: (1) within 14 days of the notice of consolidated intent to grant or deny concurrently reviewed applications for environmental resource permits and use of sovereign submerged lands pursuant to Section 373.427, Florida Statutes; or (2) within 14 days of service of an Administrative Order pursuant to Section 373.119(1), Florida Statutes. "Receipt of written notice of agency decision" means receipt of written notice through mail, electronic mail, posting, or publication that the District has taken or intends to take final agency action. Any person who receives written notice of a District decision and fails to file a written request for hearing within the timeframe described above waives the right to request a hearing on that decision.

If the District takes final agency action that materially differs from the noticed intended agency decision, persons who may be substantially affected shall, unless otherwise provided by law, have an additional point of entry pursuant to Rule 28-106.111, Florida Administrative Code.

Any person to whom an emergency order is directed pursuant to Section 373.119(2), Florida Statutes, shall comply therewith immediately, but on petition to the board shall be afforded a hearing as soon as possible.

A person may file a request for an extension of time for filing a petition. The District may grant the request for good cause. Requests for extension of time must be filed with the District prior to the deadline for filing a petition for hearing. Such requests for extension shall contain a certificate that the moving party has consulted with all other parties concerning the extension and whether the District and any other parties agree to or oppose the extension. A timely request for an extension of time shall toll the running of the time period for filing a petition until the request is acted upon.

FILING INSTRUCTIONS

A petition for administrative hearing must be filed with the Office of the District Clerk. Filings with the Office of the District Clerk may be made by mail, hand-delivery, or e-mail. Filings by facsimile will not be accepted. A petition for administrative hearing or other document is deemed filed upon receipt during normal business hours by the Office of the District Clerk at the District's headquarters in West Palm Beach, Florida. The District's normal business hours are 8:00 a.m. – 5:00 p.m., excluding weekends and District holidays. Any document received by the Office of the District Clerk after 5:00 p.m. shall be deemed filed as of 8:00 a.m. on the next regular business day.

Additional filing instructions are as follows:

- Filings by mail must be addressed to the Office of the District Clerk, 3301 Gun Club Road, West Palm Beach, Florida 33406.

- Filings by hand-delivery must be delivered to the Office of the District Clerk. Delivery of a petition to the District's security desk does not constitute filing. It will be necessary to request that the District's security officer contact the Office of the District Clerk. An employee of the District's Clerk's office will receive and process the petition.
- Filings by e-mail must be transmitted to the Office of the District Clerk at clerk@sfwmd.gov. The filing date for a document transmitted by electronic mail shall be the date the Office of the District Clerk receives the complete document.

INITIATION OF ADMINISTRATIVE HEARING

Pursuant to Sections 120.54(5)(b)4. and 120.569(2)(c), Florida Statutes, and Rules 28-106.201 and 28-106.301, Florida Administrative Code, initiation of an administrative hearing shall be made by written petition to the District in legible form and on 8 1/2 by 11 inch white paper. All petitions shall contain:

1. Identification of the action being contested, including the permit number, application number, District file number or any other District identification number, if known.
2. The name, address, any email address, any facsimile number, and telephone number of the petitioner, petitioner's attorney or qualified representative, if any.
3. An explanation of how the petitioner's substantial interests will be affected by the agency determination.
4. A statement of when and how the petitioner received notice of the District's decision.
5. A statement of all disputed issues of material fact. If there are none, the petition must so indicate.
6. A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the District's proposed action.
7. A statement of the specific rules or statutes the petitioner contends require reversal or modification of the District's proposed action.
8. If disputed issues of material fact exist, the statement must also include an explanation of how the alleged facts relate to the specific rules or statutes.
9. A statement of the relief sought by the petitioner, stating precisely the action the petitioner wishes the District to take with respect to the District's proposed action.

MEDIATION

The procedures for pursuing mediation are set forth in Section 120.573, Florida Statutes, and Rules 28-106.111 and 28-106.401–.405, Florida Administrative Code. The District is not proposing mediation for this agency action under Section 120.573, Florida Statutes, at this time.

RIGHT TO SEEK JUDICIAL REVIEW

Pursuant to Section 120.68, Florida Statutes, and in accordance with Florida Rule of Appellate Procedure 9.110, a party who is adversely affected by final District action may seek judicial review of the District's final decision by filing a notice of appeal with the Office of the District Clerk in accordance with the filing instructions set forth herein within 30 days of rendition of the order to be reviewed, and by filing a copy of the notice with the appropriate district court of appeals via the Florida Courts E-Filing Portal.

SITE AREA COMPARISON TABLE						
LOT	PREVIOUSLY PERMITTED AREAS (AC)			PROPOSED AREAS (AC)		
	SITE	PAVEMENT	BUILDING	SITE	PAVEMENT	BUILDING
LOT 1	2.20	1.26	0.14	2.20	1.26	0.13
LOT 2	1.00	0.60	0.15	1.30	0.64	0.22
LOT 3	1.01	0.61	0.15	1.20	0.63	0.16
LOT 4	1.01	0.61	0.15	1.60	1.19	0.24
LOT 5	1.08	0.65	0.16	-	-	-
TOTALS	**6.30**	**3.72**	**0.75**	**6.30**	**3.72**	**0.75**

NOTES:

1) PREVIOUSLY PERMITTED AREAS BASED ON ERP 36-110884-P.

2) UNIT 5 HAS BEEN REMOVED FROM THE PERMIT AREA AS PART OF THIS APPLICATION.

STORMWATER DESIGN CONDITIONS SUMMARY			
DESIGN PARAMETER	**DESIGN STORM EVENT**	**MINIMUM ALLOWABLE ELEVATION (FT - NAVD)**	**PROPOSED MINIMUM ELEVATION (FT - NAVD)**
PARKING LOT	10 YEAR - 1 DAY	23.39	23.55
PERIMTER BERM	25 YEAR - 3 DAY	23.95	24.00
BUILDING FFE	100 YEAR - 3 DAY	24.85	25.00

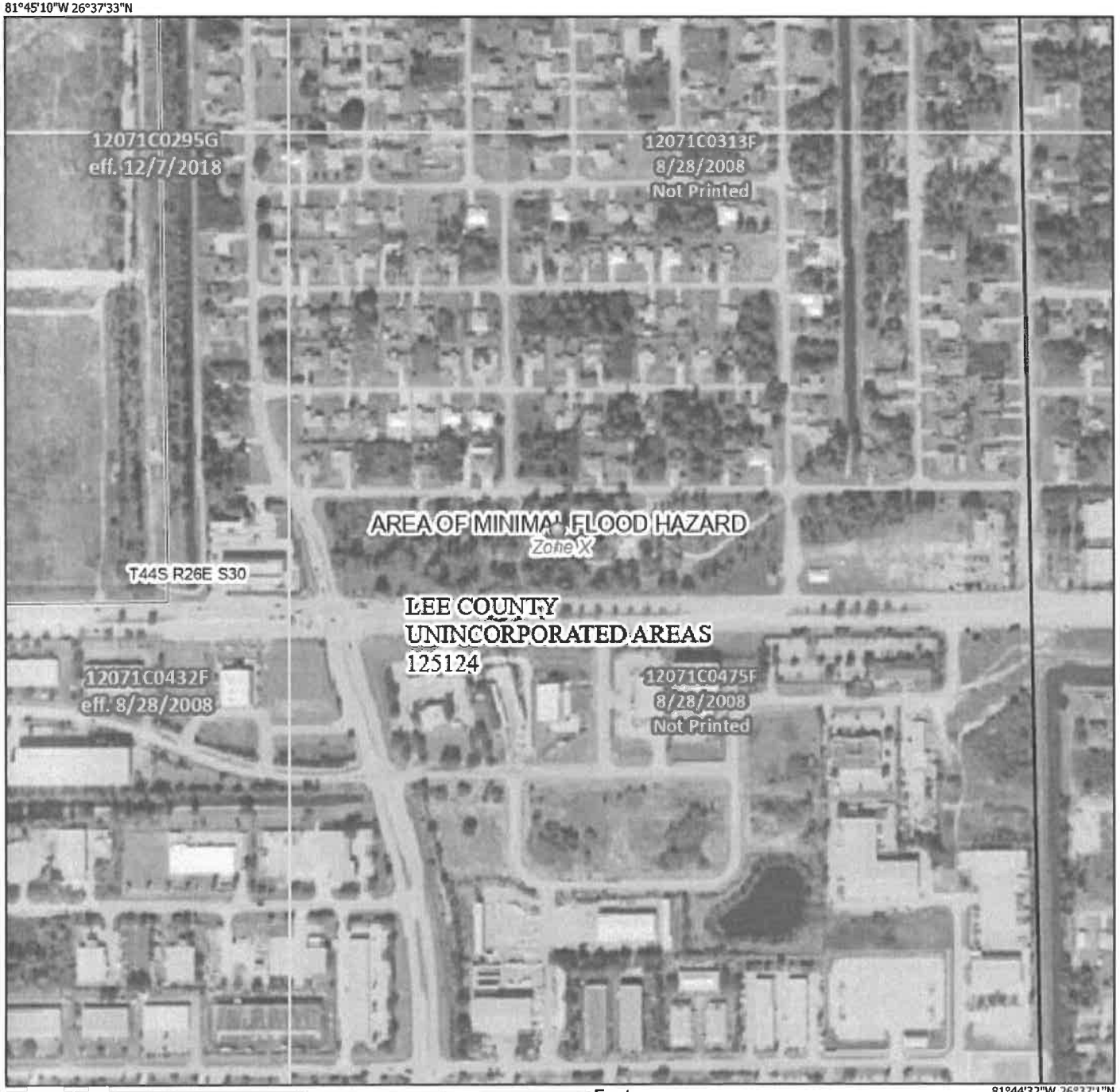
NOTES:

1) DESIGN CRITERIA BASED ON ERP 36-110884-P.

National Flood Hazard Layer FIRMette

FEMA

81°45'10"W 26°37'33"N



81°44'32"W 26°37'1"N

0 250 500 1,000 1,500 2,000 Feet

1:6,000

Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN — Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 / 17.5 — Cross Sections with 1% Annual Chance / Water Surface Elevation
- Coastal Transect
- 513 — Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 4/15/2026 at 4:29 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Regulation Division

April 9, 2025

Haitham Kaki
Kakiland, LLC
340 E Sugarland Hwy
Clewiston, FL 33440

Subject: **Correction to Environmental Resource Permit Issued**
Permit No. 36-110884-P
Project Name: Lee Blvd Commercial Subdivision
Lee County

This is to notify you that our permit issued on November 22, 2024, had the wrong community listed for the credits the applicant is purchasing for mitigation. The enclosed permit has been revised to correct the difference. The corrected community Freshwater Forested was made to page 8 under Mitigation Plan and Cumulative Impact Analysis, as well as under the Total Mitigation Bank Credits Provided table on page 10.

We apologize for any inconvenience this may have caused. If you have any questions, please do not hesitate to contact this office.

Sincerely,

Richard Batewell III, P.E.
Regulation Section Administrator
South Florida Water Management District

Enclosure: Permit No. **36-110884-P**

cc: Michael Metcalf, Mhm Lee Blvd, LLC
Brendan Sloan, Avalon Engineering
Audubon of Florida
Div of Recreation and Park - District 4
US Army Corps of Engineers - Permit Section

South Florida Water Management District
Individual Environmental Resource Permit No. 36-110884-P
Date Issued: November 22, 2024

Corrected Copy April 9, 2025

Permittee:	Kakiland, LLC 340 E Sugarland Hwy Clewiston, FL 33440
Project:	Lee Blvd Commercial Subdivision
Application No.	240415-43334
Location:	Lee County, See Exhibit 1

Your application for an Individual Environmental Resource Permit is approved. This action is taken based on Chapter 373, Part IV, of Florida Statutes (F.S.) and the rules in Chapter 62-330, Florida Administrative Code (F.A.C.). Unless otherwise stated, this permit constitutes certification of compliance with state water quality standards under section 401 of the Clean Water Act, 33 U.S.C. 1341, and a finding of consistency with the Florida Coastal Management Program. Please read this entire agency action thoroughly and understand its contents.

This permit is subject to:

- Not receiving a filed request for a Chapter 120, F.S., administrative hearing.
- The attached General Conditions for Environmental Resource Permits.
- The attached Special Conditions.
- All referenced Exhibits.

All documents are available online through the District's RegPermitting site at www.sfwmd.gov/regpermitting.

If you object to these conditions, please refer to the attached "Notice of Rights" which addresses the procedures to be followed if you desire a public hearing or other review of the proposed agency action. Please contact this office if you have any questions concerning this matter. If we do not hear from you in accordance with the "Notice of Rights", we will assume that you concur with the District's action.

The District does not publish notices of action. If you wish to limit the time within which a person may request an administrative hearing regarding this action, you are encouraged to publish, at your own expense, a notice of agency action in the legal advertisement section of a newspaper of general circulation in the county or counties where the activity will occur. Legal requirements and instructions for publishing a notice of agency action, as well as a noticing format that can be used, are available upon request. If you publish a notice of agency action, please send a copy of the affidavit of publication provided by the newspaper to the District's West Palm Beach office for retention in this file.

If you have any questions regarding your permit or need any other information, please call us at 1-800-432-2045 or email regpermitting@sfwmd.gov.

Rich Batewell, III, P.E.
Section Administrator

South Florida Water Management District
Individual Environmental Resource Permit No. 36-110884-P

Date Issued: November 22, 2024	**Expiration Date:** November 22, 2029
Project Name:	Lee Blvd Commercial Subdivision
Permittee:	Kakiland, LLC 340 E Sugarland Hwy Clewiston, FL 33440
Operating Entity:	Lee Boulevard Commercial Property Owners Association, Inc.
Location:	Lee County
Permit Acres:	6.30 acres
Project Land Use:	Commercial
Special Drainage District:	Lehigh Acres Municpal Services Improvement District
Water Body Classification:	CLASS III
FDEP Water Body ID:	3240K
Wetland and Surface Water Impacts:	0.06 acres
Conservation Easement to District:	No
Sovereign Submerged Lands:	No

Project Summary
This Environmental Resource Permit (ERP) authorizes construction and operation of a stormwater management (SWM) system serving 6.30 acres of commercial development known as Lee Blvd Commercial Subdivision.

The project proposes the construction of a commercial subdivision with a master SWM system that serves 5 individual commercial lots. This first phase includes the construction of storm sewers, SWM ponds, roadway, and underground utility infrastructure; as well as the construction of Lot 1 which is a 7-Eleven gas station/convenience store. Lots 2-5 are currently shown as future development lots that will each require construction permits prior to their individual times of development. The SWM system consists of inlets and storm sewer to collect and convey runoff to a dry detention system with outfall through a control structure to the Lehigh Acres storm sewer system that ultimately discharges into the Orange River. Refer to the Engineering Evaluation and Exhibit Nos. 2.0 and 2.1 for additional information.

Issuance of this permit constitutes certification of compliance with state water quality standards in accordance with Rule 62-330.062, F.A.C..

Site Description
The site is a vacant parcel located on the northeast corner of the intersection between Lee Boulevard and Alvin Avenue in Lehigh Acres, Lee County. Refer to Exhibit No. 1.0 for a location map.

For information on wetland and other surface water (OSW) impacts, please see the Wetlands and OSWs section of this permit.

Ownership, Operation, and Maintenance (O&M)
Perpetual O&M of the SWM system is the responsibility of Lee Boulevard Commercial Property Owners Association, Inc. as indicated in the submitted draft governing documents. Refer to Exhibit Nos. 4.0 and 4.1. Upon completion of construction and in conjunction with submittal of the construction completion certification (CCC), a request for transfer to the operating entity and recorded copies of its governing documents must be submitted in accordance with General Condition No. 7.

Engineering Evaluation:

Land Use
Please refer to page 8 of Exhibit No. 2.0 for land use details.

Water Quality
The project provides 0.78 ac-ft of water quality treatment. The SWM system complies with Section 4.2.1, ERP Applicant's Handbook (AH) Volume (Vol.) II.

The project includes implementation of a Turbidity and Erosion Control Plan, (Exhibit No. 2.0), as additional reasonable assurance of compliance with water quality criteria during construction.

Water Quantity
Future Phases of this commercial development shall not exceed 0.75 percent impervious area per acre.

Discharge
As found in the SWM Data Table on page 13 of Exhibit No. 2.0, the SWM design meets the criteria of Section 3.2(c), ERP AH Vol. II based on the allowable discharge formula of 30 CSM for the Lehigh Acres Municipal Improvement District. The project is utilizing the minimum 3.0-inch diameter bleeder.

Parking Lot Design
As found in the SWM Data Table on page 13 of Exhibit No. 2.0, the minimum parking lot elevations have been set at or above the peak design storm elevation.

Road Design
As found in the SWM Data Table on page 13 of Exhibit No. 2.0, the minimum road crown elevations have been set at or above the peak design storm elevation.

Perimeter Berm
As found in the SWM Data Table on page 13 of Exhibit No. 2.0, the minimum perimeter berm elevations have been set at or above the peak design storm elevation.

Finished Floors
As found in the SWM Data Table on page 13 of Exhibit No. 2.0, the minimum finished floor elevations have been set at or above the peak design storm elevation.

Flood Plain/Compensating Storage
The project does not require compensating storage for fill as it is in FEMA Zone X outside of the 100-year floodplain.

Construction Completion Certification (CCC) and O&M
Pursuant to Chapter 62-330.310, F.A.C., Individual Permits will not be converted from the construction phase to the operation phase until CCC of the project is submitted to and accepted by the District. This includes compliance with all permit conditions, except for any long-term maintenance and monitoring requirements. It is suggested that the permittee retain the services of an appropriate professional registered in the State of Florida for periodic observation of construction of the project.

For projects permitted with an operating entity that is different from the permittee, it should be noted that until the CCC is accepted by the District and the permit is transferred to an acceptable operating entity pursuant to Sections 12.1 - 12.3, ERP AH Vol. I and Section 62-330.310, F.A.C., the permittee is liable for O&M in compliance with the terms and conditions of this permit.

In accordance with Section 373.416(2), F.S., unless revoked or abandoned, all SWM systems and works permitted under Part IV of Chapter 373, F.S., must be operated and maintained in perpetuity.

Refer to Exhibit No. 2.1 for the Operation and Maintenance Plan.

The efficiency of SWM systems, dams, impoundments, and most other project components will decrease over time without periodic maintenance. The O&M entity must perform periodic inspections to identify if there are any deficiencies in structural integrity, degradation due to insufficient maintenance, or improper operation of projects that may endanger public health, safety, or welfare, or the water resources. If deficiencies are found, the O&M entity is responsible for correcting the deficiencies in a timely manner to prevent compromises to flood protection and water quality. See Section 12.4, ERP AH Vol. I for Minimum Operation and Maintenance Standards.

Notable project components requiring routine inspection and maintenance include but are not limited to:

- Side slopes for stormwater lakes and ponds – maintain side slopes no steeper than 4:1 (horizontal:vertical) to a depth of 2.0 feet below the control elevation and nurtured or planted from 2.0 feet below to 1.0 feet above the control elevation pursuant to Section 5.4.2, ERP AH Vol. II.
- Conveyance pipes, conveyance structures and discharge structures – all pipes and structures must be inspected for structural integrity and be maintained clear of trash, sediment and vegetative debris.
- Exfiltration trenches – all pipes and structures must be inspected for structural integrity and be maintained clear of trash, sediment and vegetative debris.
- Swales – maintain the permitted cross-section and vegetative cover.
- Underground storage facilities – all facilities must be inspected for structural integrity and be maintained clear of trash, sediment and vegetative debris.
- Pumps – float switches should be inspected and any obstructions removed to ensure proper operation; intake and discharge pipes should be maintained clear of trash, sediment and vegetative debris; motors should be maintained to ensure proper operation.

Engineering Evaluation Tables:

Land Use

Basin	Land Type	Area (ac)	% of Total Basin
SITE	Building Coverage	0.75	11.90
	Pavement	4.22	66.98
	Open Space	0.41	6.51
	Dry Detention Areas	0.92	14.60
	Total:	6.30	100%

Water Quality

Basin	Treatment Type	Treatment System	Volume Required (ac-ft)	Volume Provided (ac-ft)	Area (ac)	Overflow Elevation (ft NAVD88)
SITE	Treatment	DRY DETENTION	0.77	0.78	0.87	24.00

Water Quantity

Basin	Elevation Type	Storm Event (Yr/Day)	Precipitation Depth (in)	Peak Stage (ft NAVD88)	Min. EL (ft NAVD88)	Peak Discharge Rate (cfs)	Allowable Discharge Rate (cfs)
SITE	Finished Floor	100Y3D	14.20	24.85	25.00	N/A	N/A
	Perimeter Berm/ Discharge	25YR3D	10.70	23.95	24.00	0.52	0.30
	Road Crown	10YR1D	6.99	23.39	23.50	N/A	N/A
	Parking Lot	10YR1D	6.99	23.39	23.50	N/A	N/A

Bleeder

Basin	Control EL (ft NAVD88)	Structure #	Structure Type	Count	Type	Dia.(in)	Invert EL (ft NAVD88)	Receiving Body
SITE	19.00	CS-A	SWM	1	Circular Orifice	3.00	19.00	County Storm Sewer

Inlets

Basin	Control EL (ft NAVD88)	Structure #	Structure Type	Count	Type	Length (in)	Width (in)	Crest EL (ft NAVD88)	Receiving Body
SITE	19.00	CS-A	SWM	1	FDOT MOD E DROP INLET	54.0	36.0	24.45	County Storm Sewer

Weir

Basin	Control EL (ft NAVD88)	Structure #	Structure Type	Count	Type	Length (in)	Width (in)	Crest EL (ft NAVD88)	Receiving Body
SITE	19.00	CS-A	SWM	1	Broad Crested	36.00	6.00	23.95	County Storm Sewer

Culvert

Basin	Control EL (ft NAVD88)	Structure #	Structure Type	Count	Dia.(in)	Length (ft)	Invert EL (ft NAVD88)	Material	Receiving Body
SITE	19.00	CS-A	SWM	1	15.00	31.0	18.00	High Density Polyethylene	County Storm Sewer

Environmental Evaluation:

Wetland and OSW Description
The project site contains 0.06 acres of wetlands. Please see Exhibit No. 3.1 Impact Map & UMAM for wetland locations. The wetlands can generally be described as hydric pine flattwoods. Additional wetland descriptions are available in Exhibit No. 3.0 FLUCCS Map and the Protected Species Assessment within the RegPermitting file.

Wetland and OSW Impacts
The project will result in 0.08 acres of wetland impacts as described in Environmental Data Table (0.06 direct impacts and 0.02 secondary impacts). Exhibit No. 3.1 Impact Map and UMAM identifies the locations of the wetlands being impacted.

Secondary Impacts
Secondary impacts were considered along the southeastern portion of the site where the onsite site wetlands extend off-site. Buffer requirements could not be met. The 0.02 acres of secondary impacts were included in the mitigation calculations, per Section 10.2.7, ERP AH Vol. I. Please see Exhibit No. 3.1 Impact Map & UMAM for secondary impact locations.

Mitigation Plan
To mitigate for the wetland impacts, the permittee will purchase 0.03 credits of Freshwater Forested from Little Pine Island Mitigation Bank, as depicted in Exhibit No. 3.2 LOR. The amount of required mitigation was determined using LPI MB Functional Assessment. The final scores can be found in Exhibit No. 3.1 Impact Map & UMAM.

Cumulative Impact Analysis
Since the mitigation is not located within the same basin as the wetland impacts, a cumulative impact analysis was conducted for the freshwater forested wetlands within the Tidal Caloosahatchee Basin (Basin) pursuant to Section 10.2.8, ERP AH Vol. I. This analysis can be found in the ePermitting file

Compensatory wetland mitigation for direct and secondary wetland impacts will be provided at the LPIMB. The LPIMB is 4,400± feet west of the Basin boundary, separated only by the tidal Matlacha Pass Waterbody. The wetlands within the Basin, the project site, and LPIMB share numerous physical and biological characteristics which are not separated by basin boundaries. The wetland functional gain created by the wetland enhancement and restoration activities within the LPIMB therefore spills over into the adjacent Basin wetlands.

Based on the analysis of existing wetlands in the Basin, the site-specific conditions at project, and the wetland functional gain that spills over from the LPIMB to the Basin, if reasonably expected future permit applications to similar wetland types were to contain the same percentage of impacts as the project, no cumulative impacts to the functions of wetlands within the Basin would occur as a result of the proposed project.

Based on the analysis provided and available information, the District has determined that the project will not result in unacceptable cumulative impacts to the Tidal Caloosahatchee Basin. This conclusion is project specific and does not apply to any other application.

Fish, Wildlife, and Listed Species
The project site does not contain significant habitat for wetland-dependent endangered or threatened wildlife species, or species of special concern. A site inspection was conducted by Owen Environmental Consulting, LLC staff in January 2024. No wetland-dependent endangered or threatened species or species of special concern were observed onsite. Submitted information indicates that potential use of the site by such species is minimal. Please see Protected Species Assessment within the RegPermitting file for more detailed information.

This permit does not relieve the permittee from complying with all applicable rules and any other agencies' requirements if, in the future, endangered or threatened species or species of special concern are discovered on the site.

Environmental Evaluation Tables:

Summary

Wetlands and Other Surface Waters:	0.06	acres
Direct Impacts:	0.06	acres
Secondary impacts:	0.02	acres
Net UMAM Functional Loss/ Gain:	0	units
Total Onsite Mitigation Area:	0	acres
Total Offsite Mitigation Area:	0	acres

Total Mitigation Bank Credits Provided

Mitigation Bank	Type	Total Credits
Little Pine Island	FF	0.03
Total:		0.03

Wetland Impacts

Activities in Wetlands or Other Surface Waters, With Mitigation at a Bank

ID	Acres	Community Description	Bank Name	Method	Current Score	With Score	Ratio or Add'l factor	Minimum Credits Needed
1	0.06	Hydric Pine Flatwoods	Little Pine Island	LPI	0.37	0	1	0.02
1S	0.02	Hydric Pine Flatwoods	Little Pine Island	LPI	0.37	0.13	1	0
Total:	**0.08**							

Related Concerns:

Water Use Permit Status
The permittee has indicated that an on-site well utilizing ground water from the Mid-Hawthorn Aquifer will be used as a source for irrigation water for the project. Water Use Permit No. 36-10338-W (Application No. 240722-44816) was issued on July 26, 2024.

The permittee has indicated that dewatering is not required for construction of this project.

This permit does not release the permittee from obtaining all necessary Water Use authorization(s) prior to the commencement of activities which will require such authorization, including construction dewatering and irrigation.

Water and Wastewater Service
FGUA Utilities (Florida Governmental Utility Authority)

Historical/ Archaeological Resources
The District has received correspondence from the Florida Department of State, Division of Historical Resources, on May 14, 2024 indicating that no significant archaeological or historical resources are recorded on the project site; therefore, the project is unlikely to have an effect upon any such resources.

This permit does not release the permittee from complying with any other agencies requirements in the event that historical and/or archaeological resources are found on the site.

General Conditions for Individual Environmental Resource Permits, 62-330.350, F.A.C.

1. All activities shall be implemented following the plans, specifications and performance criteria approved by this permit. Any deviations must be authorized in a permit modification in accordance with rule 62-330.315, F.A.C. Any deviations that are not so authorized may subject the permittee to enforcement action and revocation of the permit under Chapter 373, F.S.

2. A complete copy of this permit shall be kept at the work site of the permitted activity during the construction phase, and shall be available for review at the work site upon request by the Agency staff. The permittee shall require the contractor to review the complete permit prior to beginning construction.

3. Activities shall be conducted in a manner that does not cause or contribute to violations of state water quality standards. Performance-based erosion and sediment control best management practices shall be installed immediately prior to, and be maintained during and after construction as needed, to prevent adverse impacts to the water resources and adjacent lands. Such practices shall be in accordance with the State of Florida Erosion and Sediment Control Designer and Reviewer Manual (Florida Department of Environmental Protection and Florida Department of Transportation, June 2007), and the Florida Stormwater Erosion and Sedimentation Control Inspector's Manual (Florida Department of Environmental Protection, Nonpoint Source Management Section, Tallahassee, Florida, July 2008), which are both incorporated by reference in subparagraph 62-330.050(9)(b)5., F.A.C., unless a project-specific erosion and sediment control plan is approved or other water quality control measures are required as part of the permit.

4. At least 48 hours prior to beginning the authorized activities, the permittee shall submit to the Agency a fully executed Form 62-330.350(1), "Construction Commencement Notice," (October 1, 2013), (http://www.flrules.org/Gateway/reference.asp?No=Ref-02505), incorporated by reference herein, indicating the expected start and completion dates. A copy of this form may be obtained from the Agency, as described in subsection 62-330.010(5), F.A.C., and shall be submitted electronically or by mail to the Agency. However, for activities involving more than one acre of construction that also require a NPDES stormwater construction general permit, submittal of the Notice of Intent to Use Generic Permit for Stormwater Discharge from Large and Small Construction Activities, DEP Form 62-621.300(4)(b), shall also serve as notice of commencement of construction under this chapter and, in such a case, submittal of Form 62-330.350(1) is not required.

5. Unless the permit is transferred under rule 62-330.340, F.A.C., or transferred to an operating entity under rule 62-330.310, F.A.C., the permittee is liable to comply with the plans, terms, and conditions of the permit for the life of the project or activity.

6. Within 30 days after completing construction of the entire project, or any independent portion of the project, the permittee shall provide the following to the Agency, as applicable:
   a. For an individual, private single-family residential dwelling unit, duplex, triplex, or quadruplex- "Construction Completion and Inspection Certification for Activities Associated With a Private Single-Family Dwelling Unit"[Form 62-330.310(3)]; or
   b. For all other activities- "As-Built Certification and Request for Conversion to Operational Phase" [Form 62-330.310(1)].
   c. If available, an Agency website that fulfills this certification requirement may be used in lieu of the form.

7. If the final operation and maintenance entity is a third party:
   a. Prior to sales of any lot or unit served by the activity and within one year of permit issuance, or within 30 days of as-built certification, whichever comes first, the permittee shall submit, as applicable, a copy of the operation and maintenance documents (see sections 12.3 thru 12.3.4 of Volume I) as filed with the Florida Department of State, Division of Corporations, and a copy of any easement, plat, or deed restriction needed to operate or maintain the project, as recorded with the Clerk of the Court in the

County in which the activity is located.
b. Within 30 days of submittal of the as-built certification, the permittee shall submit "Request for Transfer of Environmental Resource Permit to the Perpetual Operation and Maintenance Entity" [Form 62-330.310(2)] to transfer the permit to the operation and maintenance entity, along with the documentation requested in the form. If available, an Agency website that fulfills this transfer requirement may be used in lieu of the form.

8. The permittee shall notify the Agency in writing of changes required by any other regulatory agency that require changes to the permitted activity, and any required modification of this permit must be obtained prior to implementing the changes.

9. This permit does not:
a. Convey to the permittee any property rights or privileges, or any other rights or privileges other than those specified herein or in Chapter 62-330, F.A.C.;
b. Convey to the permittee or create in the permittee any interest in real property;
c. Relieve the permittee from the need to obtain and comply with any other required federal, state, and local authorization, law, rule, or ordinance; or
d. Authorize any entrance upon or work on property that is not owned, held in easement, or controlled by the permittee.

10. Prior to conducting any activities on state-owned submerged lands or other lands of the state, title to which is vested in the Board of Trustees of the Internal Improvement Trust Fund, the permittee must receive all necessary approvals and authorizations under Chapters 253 and 258, F.S. Written authorization that requires formal execution by the Board of Trustees of the Internal Improvement Trust Fund shall not be considered received until it has been fully executed.

11. The permittee shall hold and save the Agency harmless from any and all damages, claims, or liabilities that may arise by reason of the construction, alteration, operation, maintenance, removal, abandonment or use of any project authorized by the permit.

12. The permittee shall notify the Agency in writing:
a. Immediately if any previously submitted information is discovered to be inaccurate; and
b. Within 30 days of any conveyance or division of ownership or control of the property or the system, other than conveyance via a long-term lease, and the new owner shall request transfer of the permit in accordance with Rule 62-330.340, F.A.C. This does not apply to the sale of lots or units in residential or commercial subdivisions or condominiums where the stormwater management system has been completed and converted to the operation phase.

13. Upon reasonable notice to the permittee, Agency staff with proper identification shall have permission to enter, inspect, sample and test the project or activities to ensure conformity with the plans and specifications authorized in the permit.

14. If prehistoric or historic artifacts, such as pottery or ceramics, projectile points, stone tools, dugout canoes, metal implements, historic building materials, or any other physical remains that could be associated with Native American, early European, or American settlement are encountered at any time within the project site area, the permitted project shall cease all activities involving subsurface disturbance in the vicinity of the discovery. The permittee or other designee shall contact the Florida Department of State, Division of Historical Resources, Compliance Review Section (DHR), at (850)245-6333, as well as the appropriate permitting agency office. Project activities shall not resume without verbal or written authorization from the Division of Historical Resources. If unmarked human remains are encountered, all work shall stop immediately and the proper authorities notified in accordance with section 872.05, F.S. For project activities subject to prior consultation with the DHR and as an alternative to the above requirements, the permittee may follow procedures for unanticipated discoveries as set forth within a cultural resources assessment survey determined complete and sufficient by DHR and included as a specific permit condition herein.

15. Any delineation of the extent of a wetland or other surface water submitted as part of the permit application, including plans or other supporting documentation, shall not be considered binding unless a specific condition of this permit or a formal determination under Rule 62-330.201, F.A.C., provides otherwise.

16. The permittee shall provide routine maintenance of all components of the stormwater management system to remove trapped sediments and debris. Removed materials shall be disposed of in a landfill or other uplands in a manner that does not require a permit under Chapter 62-330, F.A.C., or cause violations of state water quality standards.

17. This permit is issued based on the applicant's submitted information that reasonably demonstrates that adverse water resource-related impacts will not be caused by the completed permit activity. If any adverse impacts result, the Agency will require the permittee to eliminate the cause, obtain any necessary permit modification, and take any necessary corrective actions to resolve the adverse impacts.

18. A Recorded Notice of Environmental Resource Permit may be recorded in the county public records in accordance with Rule 62-330.090(7), F.A.C. Such notice is not an encumbrance upon the property.

Special Conditions for Individual Environmental Resource Permits, 62-330.350, F.A.C.

1. The construction authorization for this permit shall expire on the date shown on page 2.

2. Perpetual O&M of the SWM system shall be the responsibility of Lee Boulevard Commercial Property Owners Association, Inc. Upon completion of construction and in conjunction with submittal of the as-built certification, a request for transfer to the operating entity with supporting documentation must be submitted in accordance with General Condition No. 7.

3. Lake side slopes shall be no steeper than 4:1 (horizontal:vertical) to a depth of 2.0 feet below the control elevation. Side slopes shall be nurtured or planted from 2.0 feet below to 1.0 feet above control elevation to ensure vegetative growth.

4. A stable, permanent and accessible elevation reference shall be established on or within 100 feet of all permitted discharge structures no later than the submission of the certification report. The location of the elevation reference must be noted on or with the certification report.

5. Prior to any future construction, the permittee shall apply for and receive an Individual ERP. As part of the permit application, the applicant for that phase shall provide documentation verifying that the proposed construction is consistent with the design of the master stormwater management system, including the land use and site grading assumptions.

6. Prior to initiating construction activities associated with this ERP, the permittee is required to hold a pre-construction meeting with field representatives, consultants, contractors, District Environmental Resource Bureau (ERB) staff, and any other local government entities as necessary. The purpose of the pre-construction meeting is to discuss construction methods, sequencing, best management practices, identify work areas, staking and roping of preserves where applicable, and to facilitate coordination and assistance amongst relevant parties. To schedule a pre-construction meeting, please contact ERB staff from the Fort Myers Service Center at (239) 338-2929 or via e-mail at: precon@sfwmd.gov. When sending a request for a pre-construction meeting, please include the application number, permit number, and contact name and phone number.

7. All commercial/industrial parcels shall provide a minimum dry pre-treatment volume of 1/2 inch of runoff prior to discharge into the master stormwater management system.

8. This permit does not authorize the permittee to cause any adverse impact to or "take" of state listed species and other regulated species of fish and wildlife. Compliance with state laws regulating the take of fish and wildlife is the responsibility of the owner or permitee associated with this project. Please refer to Chapter 68A-27, F.A.C. for definitions of "take" and a list of fish and wildlife species. If listed species are observed onsite, FWC staff are available to provide decision support information or assist in obtaining the appropriate FWC permits. Most marine endangered and threatened species are statutorily protected and a "take" permit cannot be issued. Requests for further information or review can be sent to: FWCConservationPlanningServices@MyFWC.com.

9. Prior to commencement of construction, and in accordance with the work schedule herein, the permittee shall submit documentation from Little Pine Island Mitigation Bank (LPIMB) that 0.03 Freshwater Forested Credits for this project have been paid for in full and deducted from the LPIMB Mitigation Bank's ledger. See Exhibit No. 3.2 LOR.

10. The District reserves the right to require remedial measures to be taken by the permittee if monitoring or other information demonstrates that adverse impacts to onsite or offsite wetlands, upland conservation areas or buffers, or OSWs have occurred due to project related activities.

11. In addition to the requirements of General Condition No. 6, the permittee shall provide the following at the time of certification and request to transfer the permit to the operation phase: a. Record drawings signed and sealed by a registered professional in the State of Florida per Subsection 12.2(b)2, ERP AH Vol. I. b. A copy of the O&M plan, revised as necessary to be applicable to the SWM system as designed and permitted per Subsection 12.2.1.(b)5, ERP AH Vol. I. c. An updated copy of the cost estimate per Subsections 12.2.1.(b)6 & 12.3.5(a)4, ERP AH Vol. I.

12. In accordance with Exhibit No. 2.1 and Sections 12.5 and 12.6, ERP AH Vol. I, the permittee shall inspect the SWM system and submit an inspection report.

Project Work Schedule for Permit No. 36-110884-P

The following activities are requirements of this Permit and shall be completed in accordance with the Project Work Schedule below. Please refer to General Conditions, Special Conditions and/or Specific Conditions for more information. Any deviation from these time frames will require prior approval from the District's Environmental Resources Bureau and may require a modification to this permit. Such requests must be made in writing and shall include: (1) reason for the change, (2) proposed start/finish and/or completion dates, and (3) progress report on the status of the project.

Condition No.	Date Added	Description (Application Number)	Due Date	Date Satisfied
GC 4	04/09/2025	Construction Commencement Notice	Prior to Construction	
GC 6	04/09/2025	Submit Certification	30 Days After Construction Completion	
GC 7	04/09/2025	Submit Operation Transfer Request	Within 30 days of Certification	
SC 6	04/09/2025	Pre-Construction Meeting	Prior to Construction	
SC 9	04/09/2025	Submit Mitigation Bank Ledger Documentation	02/20/2025	04/07/2025
SC 11	04/09/2025	Additional Certification Documents	30 Days After Construction Completion Date	
SC 12	04/09/2025	O&M Inspection Report 1	Within 30 Days of Certification and Every Year Thereafter	

GC = General Condition

SC = Special Condition

Distribution List

Lee Boulevard Commercial Property Owners Association, Inc.

Michael Metcalf, Mhm Lee Blvd

Brendan Sloan, Avalon Engineering

Audubon of Florida

Div of Recreation and Park - District 4

US Army Corps of Engineers - Permit Section

Exhibits

The following exhibits to this permit are incorporated by reference. The exhibits can be viewed by clicking on the links below or by visiting the District's RegPermitting website at www.sfwmd.gov/regpermitting and searching under this application number 240415-43334.

Exhibit No. 1.0 Location Map

Exhibit No. 2.0 SWM Plans

Exhibit No. 2.1 O&M Plan

Exhibit No. 3.0 FLUCCS Map

Exhibit No. 3.1 Impact Map & UMAM

Exhibit No. 3.2 Letter of Reservation

Exhibit No. 4.0 Draft Plat

Exhibit No. 4.1 Draft Declaration of Covenants

NOTICE OF RIGHTS

As required by Chapter 120, Florida Statutes, the following provides notice of the opportunities which may be available for administrative hearing pursuant to Sections 120.569 and 120.57, Florida Statutes, or judicial review pursuant to Section 120.68, Florida Statutes, when the substantial interests of a party are determined by an agency. Please note that this Notice of Rights is not intended to provide legal advice. Some of the legal proceedings detailed below may not be applicable or appropriate for your situation. You may wish to consult an attorney regarding your legal rights.

RIGHT TO REQUEST ADMINISTRATIVE HEARING

A person whose substantial interests are or may be affected by the South Florida Water Management District's (District) action has the right to request an administrative hearing on that action pursuant to Sections 120.569 and 120.57, Florida Statutes. Persons seeking a hearing on a District decision which affects or may affect their substantial interests shall file a petition for hearing in accordance with the filing instructions set forth herein within 21 days of receipt of written notice of the decision unless one of the following shorter time periods apply: (1) within 14 days of the notice of consolidated intent to grant or deny concurrently reviewed applications for environmental resource permits and use of sovereign submerged lands pursuant to Section 373.427, Florida Statutes; or (2) within 14 days of service of an Administrative Order pursuant to Section 373.119(1), Florida Statutes. "Receipt of written notice of agency decision" means receipt of written notice through mail, electronic mail, posting, or publication that the District has taken or intends to take final agency action. Any person who receives written notice of a District decision and fails to file a written request for hearing within the timeframe described above waives the right to request a hearing on that decision.

If the District takes final agency action that materially differs from the noticed intended agency decision, persons who may be substantially affected shall, unless otherwise provided by law, have an additional point of entry pursuant to Rule 28-106.111, Florida Administrative Code.

Any person to whom an emergency order is directed pursuant to Section 373.119(2), Florida Statutes, shall comply therewith immediately, but on petition to the board shall be afforded a hearing as soon as possible.

A person may file a request for an extension of time for filing a petition. The District may grant the request for good cause. Requests for extension of time must be filed with the District prior to the deadline for filing a petition for hearing. Such requests for extension shall contain a certificate that the moving party has consulted with all other parties concerning the extension and whether the District and any other parties agree to or oppose the extension. A timely request for an extension of time shall toll the running of the time period for filing a petition until the request is acted upon.

FILING INSTRUCTIONS

A petition for administrative hearing must be filed with the Office of the District Clerk. Filings with the Office of the District Clerk may be made by mail, hand-delivery, or e-mail. Filings by facsimile will not be accepted. A petition for administrative hearing or other document is deemed filed upon receipt during normal business hours by the Office of the District Clerk at the District's headquarters in West Palm Beach, Florida. The District's normal business hours are 8:00 a.m. – 5:00 p.m., excluding weekends and District holidays. Any document received by the Office of the District Clerk after 5:00 p.m. shall be deemed filed as of 8:00 a.m. on the next regular business day.

Additional filing instructions are as follows:

- Filings by mail must be addressed to the Office of the District Clerk, 3301 Gun Club Road, West Palm Beach, Florida 33406.

- Filings by hand-delivery must be delivered to the Office of the District Clerk. Delivery of a petition to the District's security desk does not constitute filing. It will be necessary to request that the District's security officer contact the Office of the District Clerk. An employee of the District's Clerk's office will receive and process the petition.
- Filings by e-mail must be transmitted to the Office of the District Clerk at clerk@sfwmd.gov. The filing date for a document transmitted by electronic mail shall be the date the Office of the District Clerk receives the complete document.

INITIATION OF ADMINISTRATIVE HEARING

Pursuant to Sections 120.54(5)(b)4. and 120.569(2)(c), Florida Statutes, and Rules 28-106.201 and 28-106.301, Florida Administrative Code, initiation of an administrative hearing shall be made by written petition to the District in legible form and on 8 1/2 by 11 inch white paper. All petitions shall contain:

1. Identification of the action being contested, including the permit number, application number, District file number or any other District identification number, if known.
2. The name, address, any email address, any facsimile number, and telephone number of the petitioner, petitioner's attorney or qualified representative, if any.
3. An explanation of how the petitioner's substantial interests will be affected by the agency determination.
4. A statement of when and how the petitioner received notice of the District's decision.
5. A statement of all disputed issues of material fact. If there are none, the petition must so indicate.
6. A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the District's proposed action.
7. A statement of the specific rules or statutes the petitioner contends require reversal or modification of the District's proposed action.
8. If disputed issues of material fact exist, the statement must also include an explanation of how the alleged facts relate to the specific rules or statutes.
9. A statement of the relief sought by the petitioner, stating precisely the action the petitioner wishes the District to take with respect to the District's proposed action.

MEDIATION

The procedures for pursuing mediation are set forth in Section 120.573, Florida Statutes, and Rules 28-106.111 and 28-106.401–.405, Florida Administrative Code. The District is not proposing mediation for this agency action under Section 120.573, Florida Statutes, at this time.

RIGHT TO SEEK JUDICIAL REVIEW

Pursuant to Section 120.68, Florida Statutes, and in accordance with Florida Rule of Appellate Procedure 9.110, a party who is adversely affected by final District action may seek judicial review of the District's final decision by filing a notice of appeal with the Office of the District Clerk in accordance with the filing instructions set forth herein within 30 days of rendition of the order to be reviewed, and by filing a copy of the notice with the appropriate district court of appeals via the Florida Courts E-Filing Portal.

PART IV #26-91

Recommended Action

Engineering Review:

By: _____6/18/2026 **Approved _X_ Denied __**

District Field Review:

By: _____ Approved ___ Denied ___

District Manager: _____ Date: _____

Comments:

The referenced permit application submitted by MHM Lee Blvd., LLC for a Multi-Use Building at 5540 Lee Blvd.., in Lehigh Acres, has been reviewed and is recommended for approval with the following stipulations:

1. The permittee shall submit signed and sealed record drawings within thirty (30) days of project completion. The drawings must include sufficient detail to demonstrate that the permitted facilities have been constructed in substantial compliance with LA-MSID–approved plans and design.

2. Prior to commencing construction, the permittee shall provide LA-MSID with copies of all applicable permits from other governing agencies.

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

AGENDA ITEM SUMMARY

Subject: PER #26-92 thru #26-111 Lumos Bores at Various Locations

Meeting Date: July 20, 2026

Agenda Item # 2H

[x] **CONSENT** [ ] **ACTION** [ ] **OLD BUSINESS** [ ] **NEW BUSINESS**

Request Initiated By: [ ] **COMMISSIONER** _____ [ ] **ATTORNEY**

[ ] **BOARD** [x] **MANAGER** [ ] **ENGINEER** [ ] **AUDITOR**

Recommended motion: Move to approve PER #26-92, PER #26-93, PER #26-94, PER #26-95, PER #26-96, PER #26-97, PER #26-98, PER #26-99, PER #26-100, PER #26-101, PER #26-102, PER #26-103, PER #26-104, PER #26-105, PER #26-106, PER #26-107, PER #26-108, PER #26-109, PER #26-110 & PER #26-111 Lumos Fiber Bores under LAMSID canals, with any listed stipulations.

What the action accomplishes: Allows a group of Lumos's permits to install fiber cables under District canals while ensuring they stay 10-feet below the bottom elevation of each canal.

Fiscal Impact: Permit Fees: PER #26-92=$1,566.90, PER #26-93=$1,500.00, PER #26-94=$1,950.00, PER #26-95=$2.699.85, PER #26-96=$3,019.50, PER #26-97=$2,131.80, PER #26-98=$2,085.00, PER #26-99=$1,986.90, PER #26-100=$2,250.00, PER #26-101=$1,950.00, PER #26-102=$2,250.00, PER #26-103=$3,000.00, PER #26-104=$3,000.00, PER #26-105=$2.250.00, PER #26-106=$1,950.00, PER #26-107=$3,000.00, PER #26-108=$2,250.00, PER #26-109=$1,950.00, PER #26-110=$3,000.00 & PER #26-111=$2,334.75. Total LUMOS fees this month=$46,124.70

Staff comments: Approved according to the submitted plans for each location.

Staff review and recommended approval:

[ ] **MANAGER** [ ] **ASSISTANT DISTRICT MGR**

[ ] **ATTORNEY** [ ] **FIELD DIRECTOR**

[ ] **ENGINEER** [ ] **FINANCE DIRECTOR**

Board Action:

[ ] **APPROVED** [ ] **DENIED** [ ] **DEFERRED**

LEHIGH ACRES - MUNICIPAL SERVICES IMPROVEMENT DISTRICT
PERMIT

THIS PERMIT is granted this 20th day of July, 2026, by Lehigh Acres Municipal Services Improvement District (hereinafter referred to as "DISTRICT"), 601 East County Lane, Lehigh Acres, Florida 33936, to Lumos Fiber of Florida, LLC, 4100 Mendenhall Oaks Parkway, Suite 300, High Point, NC 27265, hereinafter referred to as the "Permittee") as a non-exclusive permit for a directional bore under Spur "C" Canal (47-32-2), along the south side of Harrison Dr., between Carolina Way & Virginia Ave., in Lehigh Acres, FL.

W I T N E S S E T H:

1. In the event the DISTRICT is not the fee title owner of the real property (the "Property") to which this Permit is applicable, the Permittee agrees, prior to commencement, to obtain all necessary consents from the fee title owners of the Property.

2. This Permit does not constitute a waiver of the necessity by the Permittee to obtain such other necessary and appropriate permits required by other governmental bodies or agencies; therefore the Permittee, prior to commencement, is required to obtain any and all other applicable federal, state, and local permits required in connection with Permittee's use of the Property and agrees that at all times it will comply with the requirements of all federal, state and local laws, ordinances, rules and regulations applicable or pertaining to the use of the Property by the Permittee.

3. Permittee understands and agrees that the use of the Property pursuant to this Permit is subordinate to the rights and interests of the DISTRICT and to the extent applicable that of the fee title owner of the Property. Further, Permittee does hereby stipulate that the Permittee is not relying upon any representations whatsoever by the DISTRICT regarding the DISTRICT'S right, title, interest, or ownership as to the Property for which this Permit is applicable.

4. The Permittee, by accepting this permit, specifically agrees to allow authorized District Personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:
    a. Having access to and copying any records that must be kept under the conditions of the permit:
    b. Reviewing the facility, equipment, practices, or operations regulated or required under this permit; and
    c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or District rules.

5. The DISTRICT specifically reserves the right to maintain its facilities located over, under or upon the Property; to make improvements; add additional facilities; maintain, construct or alter its roads; maintain any facilities, devices, or improvements on the Property which aid in or are necessary to the DISTRICT'S operation; and the right to enter upon the Property at all times for such purposes. Permittee understands that in the exercise of such rights and interest, the DISTRICT may require Permittee, at no cost to DISTRICT, to relocate, alter, or remove the Permittee's facilities and equipment or other improvements made by Permittee pursuant to this Permit which interfere with or prevent the DISTRICT, in the DISTRICT'S opinion, from properly and faithfully constructing, improving and maintaining its facilities. If the Permittee should fail to relocate, alter, or remove the Permittee's facilities, equipment or other improvements made by the Permittee pursuant to this Permit within a reasonable time period following receipt of notice from the DISTRICT requesting same, then in that event the DISTRICT shall have the right to enter upon the lands and make such relocation, alterations or removal of the Permittee's facilities, equipment/or other improvements at no cost to DISTRICT.

6. Permittee agrees that it will not use the Property in any manner which interferes with the DISTRICT'S

use of the Property or causes a hazardous condition to exist.

7. The DISTRICT assumes no responsibility for the ownership, operation and/or maintenance of the Permittee's facilities as permitted herein.

8. The Permittee agrees to backfill any excavation it makes within the Property and to repair or replace (i) any below-grade authorized facilities and features located therein, including but not limited to: water, sewer, stormwater or irrigation facilities, structures or appurtenances and (ii) as to at or above-grade facilities and features, this requirement shall only be applicable to grasses and sod, sidewalks, and roadway improvements (the term roadway improvements shall include but not be limited to curbing, roadway base, sub grade and asphaltic or concrete surfaces) which are removed or damaged as a direct result of said excavation. Such repair or replacement shall substantially restore these features to their condition as it existed immediately prior to the event precipitating the excavation.

9. All below-grade Permittee installations, including water and sewer lines, whether sub aqueous or not, together with appurtenant facilities, shall be located underground and have a minimum ground cover of thirty inches (30") below original design profile grade, including District waterways and roadways.

10. All Permittee activity related to sub aqueous utility, water and/or sewer lines, including appurtenant facilities, shall be conducted in such fashion that the primary functional purpose of the canal or lake body facility, specifically flood control, within which the activity is taking place is not adversely affected. More specifically, sub aqueous construction shall conform to the criteria given in the Lehigh Acres Municipal Services Improvement District (Lehigh Acres – MSID) Administrative Policy and Procedures.

11. Permittee shall, at no expense to DISTRICT and within a reasonable time following notice, adjust the positions and elevations of its facilities as may be required in connection with future improvements to, or construction of, works of the DISTRICT.

12. Permittee does hereby indemnify and hold harmless the DISTRICT, its Board of Commissioners, officers, personnel, and it's Engineers against any claims, losses, damages (including consequential), expenses, or legal fees that might arise out or result from the implementation of the proposed project by the Permittee or that may be caused by a failure of DISTRICT facilities or property.

13. The Permittee shall be obligated at the time of submission of its Permit application, to provide a detail of any other existing improvements located over, under, upon or through the Property and the Permittee's accompanying plans and specifications shall clearly indicate how the Permittee will comply with required clearances between the requested permitted activity and existing improvements located over, under and upon the Property, including compliance with other permitted users duly adopted and published standards.

14. Permittee shall reimburse the DISTRICT for its legal, engineering and other expenses incurred as a result of the implementation of the proposed project.

15. If Permittee should violate any of the terms or conditions of the Permit and shall not correct or remedy same within ten (10) days of receiving written notice of said violation from the DISTRICT, then in that event, the DISTRICT may, at its option, revoke, cancel and terminate this Permit.

16. This Permit may not be assigned by the Permittee without the prior written approval of the DISTRICT.

17. Unless otherwise adjusted, modified or terminated as set forth hereinabove, including the Conditions attached hereto, this Permit shall continue in full force and effect so long as Permittee complies with the

terms of this Permit.

18. In any litigation, including breach, enforcement or interpretation arising out of this Permit, the prevailing party to this Permit shall be entitled to recover reasonable attorney's fees, costs and expenses related to said action from the non-prevailing party.

19. That attached hereto are Supplemental Conditions to this Permit which are incorporated herein and made a part hereof.

LEHIGH ACRES – MUNICIPAL SERVICES IMPROVEMENT DISTRICT

BY: _____

NAME TYPED: David E. Lindsay

TITLE: District Manager

SUPPLEMENTAL CONDITIONS TO PERMIT NO. 26-92

A. GENERAL CONDITIONS

1. Notification shall be given by the Permittee to the District Engineer, AIM Engineering, at 239-332-4569 forty-eight (48) hours prior to commencement of the permitted activity. The District Engineer shall establish points of construction, if applicable, which will require inspection by the District Engineer prior to construction of the permitted activity. When the Permittee considers the permitted activity complete, the Permittee shall notify the District Engineer and schedule an on-site final inspection which shall be held in the presence of a representative of the Permittee and the District Engineer.

2. The permitted activity shall be implemented, constructed and/or installed in full accordance with the approved plans and specifications within six (6) full calendar years from the date of permit approval. Deviations from the approved plans or specifications shall be coordinated with and approved by the District Engineer prior to implementation of any such deviation.

3. When working in a District road right-of-way, not more than one-half (½) of the road or street shall be closed and traffic shall be controlled so as to provide for the safety and minimum hindrance to the public. All traffic control operations shall conform to the most current issue of the Florida Department of Transportation publication "Manual on Traffic Controls and safe Practices for Street and Highway Construction, Maintenance and Utility Operations."

4. The District Engineer shall be the final authority as to the quality and quantity of the material and works required to satisfy the terms and conditions of this Permit as they relate to District improvements and facilities.

5. Upon completion of the permitted activity and after its final review and acceptance by the District Engineer THE PERMITTEE SHALL DELIVER TO THE DISTRICT OFFICE ONE COMPLETE SET OF THE FINAL "RECORD DRAWINGS." FAILURE TO PROVIDE THE FINAL RECORD DRAWINGS MAY RESULT IN THE REVOCATION, CANCELLATION AND TERMINATION OF THIS PERMIT.

6. The above Conditions shall be continuing obligations of the Permittee and shall be complied with in the event of any subsequent maintenance, repair, replacement or modification of the permitted improvement.

Stipulations:

1). Permit #26-92 is approved according to the plans submitted May 28th, 2026.

2). The proposed directional bore must maintain a minimum clearance of 10 feet below the bottom elevation of the canal for the entire 54' within the canal right of way.

3). Permanent utility markers, (at least 4' high) with the utility companies contact information clearly labeled on it, must be installed at each canal right of way line over top the proposed line.

4). All guy wires, poles, pull boxes, etc. must be located outside of the canal right of way and not interfere with the District's canal maintenance activities.

5). All canal R/W that is disturbed must be restored with sod and maintained until well established (no seeding will be allowed).

6). Boring contractor is not allowed to pump water out of the LAMSID canals for their boring operations unless they apply for and receive a water use permit from LAMSID.

7). The Permittee will be responsible for any repairs, alterations, or relocation of the utility if required for repairs or maintenance of the canal in the future.

8). Provide LAMSID with a copy of your record drawings and a copy of your bore depth logs showing where your utilities are located within the canal R/W and at what elevation they are located, within 30 days following completion of the improvements.

9). Lee County DOT must review and approve the utility work that is outside of the canal right of way along Harrison Dr.

06-08-26

Z6-9Z

APPLICATION FOR A PERMIT

*Note: The review of permit applications will be conducted per the Lehigh Acres Municipal Services Improvement District's Administrative Policy and Procedures

AGENT NAME: WILLIAM KIEFER **PHONE #:** (515) 306 - 3403

PROJECT NAME: LE1_016_FDH_004 - 400 HARRISON DR - SPUR C CANAL

TOTAL ACREAGE: N/A

Property Address (STRAP associated with this address will be used as the primary STRAP for this project): 400 HARRISON DR					
Mailing Address:	N/A				
City:	LEHIGH ACRES	**State:**	FLORIDA	**Zip:**	33936

STRAP NUMBERS (*attach additional sheet if necessary*):

32-44-27-L2-22062-0110

Brief description of proposed project:

Application for: DIRECTIONAL BORE 2x1.25" HDPE SDR 11 CONDUIT 54.46' IN THE LAMSID ROW OF SPUR C CANAL (47-32-2) ALONG HARRISON DR

RECEIVED

JUN 18 2026

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

Is the project proposed to be developed in phases? ☐ Yes ☑ No

Estimated # of Phases:	1
***Permit Fee:**	$1566.90 **(to be verified by staff)**

* See Administrative Policy and Procedures Sections 4.15 – 4.17 for current Permit Fee Amount.

PART II

OWNER/APPLICANT/ DEVELOPER INFORMATION

A.

Name of Applicant	LUMOS FIBER OF FLORIDA, LLC						
Mailing Address:	**Street:**	4100 MENDENHALL OAKS PKWY, SUITE 300					
City:	HIGH POINT	**State:**	NORTH CAROLINA		**Zip:**	27265	
Phone No.	**Area Code:**	515	**Number:**	306 - 3403	**Ext.**		
Fax No.	**Area Code:**		**Number:**	-			
E-mail Address:	WILLIAM.KIEFER@LUMOSFIBER.COM						

B. Relationship of applicant to property*:
Owner* ☐ **Trustee*** ☐ **Option holder*** ☐ **Lessee*** ☐

Contract Purchaser* ☐ **Other (indicate)*** ☑ UTILITY

C.

Name of Developer:	MILENIUM DIRECTIONAL DRILLING, INC					
Mailing Address:	**Street:**	5395 COGSWELL DR				
	WAYNE	**State:**	MI		**Zip:**	48184
	Area Code:	(313)	**Number:**	326 - 2333	**Ext.**	
Fax No.	**Area Code:**	( )	**Number:**	-		
E-mail Address:	FELECAND@MILENIUMBORS.COM					

D.

Name of Authorized Agent(s):	CENTILLION SOLUTIONS				
Mailing Address:	Street:	6030 BETHELVIEW RD, SUITE 301			
City:	CUMMING	State:	GEORGIA	Zip:	30040
Phone No.	Area Code: (480)	Number:	442 - 0562	Ext.	
Fax No.	Area Code: ( )	Number:	-		
E-mail Address:	KYLE.PARKEY@CENTILLIONSOLUTIONS.COM				

E.

Name of Property owner:	N/A				
Mailing Address:	Street:				
City:		State:		Zip:	
Phone No.	Area Code: ( )	Number:	-	Ext.	
Fax No.	Area Code: ( )	Number:	-		
E-mail Address:					

*A disclosure of the name of all persons or entities having an ownership interest in the property is required (attached).

PART III

DISCLOSURE OF OWNERSHIP INTEREST FORM FORM:

PRIMARY STRAP NUMBER:

1. If the property is owned in the fee simple by an **INDIVIDUAL**, tenancy by the entirety, tenancy in common, or joint tenancy, list all parties with an ownership interest as well as the percentage of such interest.

Name and Address	Percentage of Ownership

2. If the property is owned by a **CORPORATION**, list the officers and stockholders and the percentage of stock owned by each.

Name, Address, Office	Percentage of Stock

3. If the property is in the name of a **TRUSTEE**, list the beneficiaries of the trust with percentages of interest.

Name and Address	Percentage of Interest

4. If the property is in the name of a **GENERAL PARTNERSHIP OR LIMITED PARTNERSHIP**, list the names of general and limited partners.

Name and Address	Percentage of Interest

5. If there is a **CONTACT FOR PURCHASE**, whether contingent on this application Or not, and whether a Corporation, Trustee, or Partnership, list the names of the contract purchasers below, including the officers, stockholders, beneficiaries, or partners.

Name and Address	Percentage of Interest

Date of Contract (mm/dd/yy): / /

6. If any contingency clause or contract terms involve additional parties, list all individuals or officers, if a corporation, partnership, or trust.

Name and Address	Percentage of Interest

For any changes of ownership of changes in contracts for purchase subsequent to the date of the application, but prior to the date of final certificate for compliance, a supplemental disclosure of interest must be filed.

The above is a full disclosure of all parties of interest in this application, to the best of my knowledge and belief.

William Kiefer
SIGNATURE OF APPLICANT

WILLIAM KIEFER
PRINTED OR TYPED NAME OF APPLICANT

STATE OF FLORIDA
COUNTY OF LEE

The foregoing instrument was acknowledged before me this 17th day of June (m), 2026 (y), by William Kiefer who is personally know to me or has produced _____ as identification.

Shandie N Bradshaw
SIGNATURE OF NOTARY PUBLIC

Shandie N Bradshaw
PRINTED NAME OF NOTARY PUBL

SHANDIE NICOLE BRADSHAW NOTARY PUBLIC REG. #7132142 MY COMMISSION EXPIRES August 31, 2026 COMMONWEALTH OF VIRGINIA

PART IV

EXPLANATION

All Permit Application sections must be completed and submitted.

Permit Application fees and submittal items (see Part VI) must be submitted with the application.

Any and all work involving the lands and/or facilities of the District shall not commence without a Board approved permit.

All set policies, procedures, technical requirements, and fee schedules can be found and reviewed in the 'Administrative Policy and Procedures Guide'. The Guide is available at the District Office located at 601 East County Lane, Lehigh Acres, FL or online at la-msid.com/.

PART V

PROFESSIONAL CONSULTANT FORM

ATTORNEY

Name:					
Mailing Address:					
City:		State:		Zip:	
Business No.	Area Code: ( )	Number: -		Ext.	
Other Contact:					

ENGINEER

Name:	MCKIM & CREED				
Mailing Address:	5701 DIVISION DR, STE A				
City:	FORT MYERS	State:	FLORIDA	Zip:	33905
Business No.	Area Code: (239)	Number:	980 - 3384	Ext.	
Other Contact:					

OTHER REPRESENTATIVE/PROFESSIONAL

Name:	BLAIR CONSULTING SERVICES, INC				
Mailing Address:	1428 SUNBLUSH LN				
City:	LAS VEGAS	State:	NV	Zip:	89117
Business No.	Area Code: (813)	Number:	579 - 0128	Ext.	
Other Contact:					

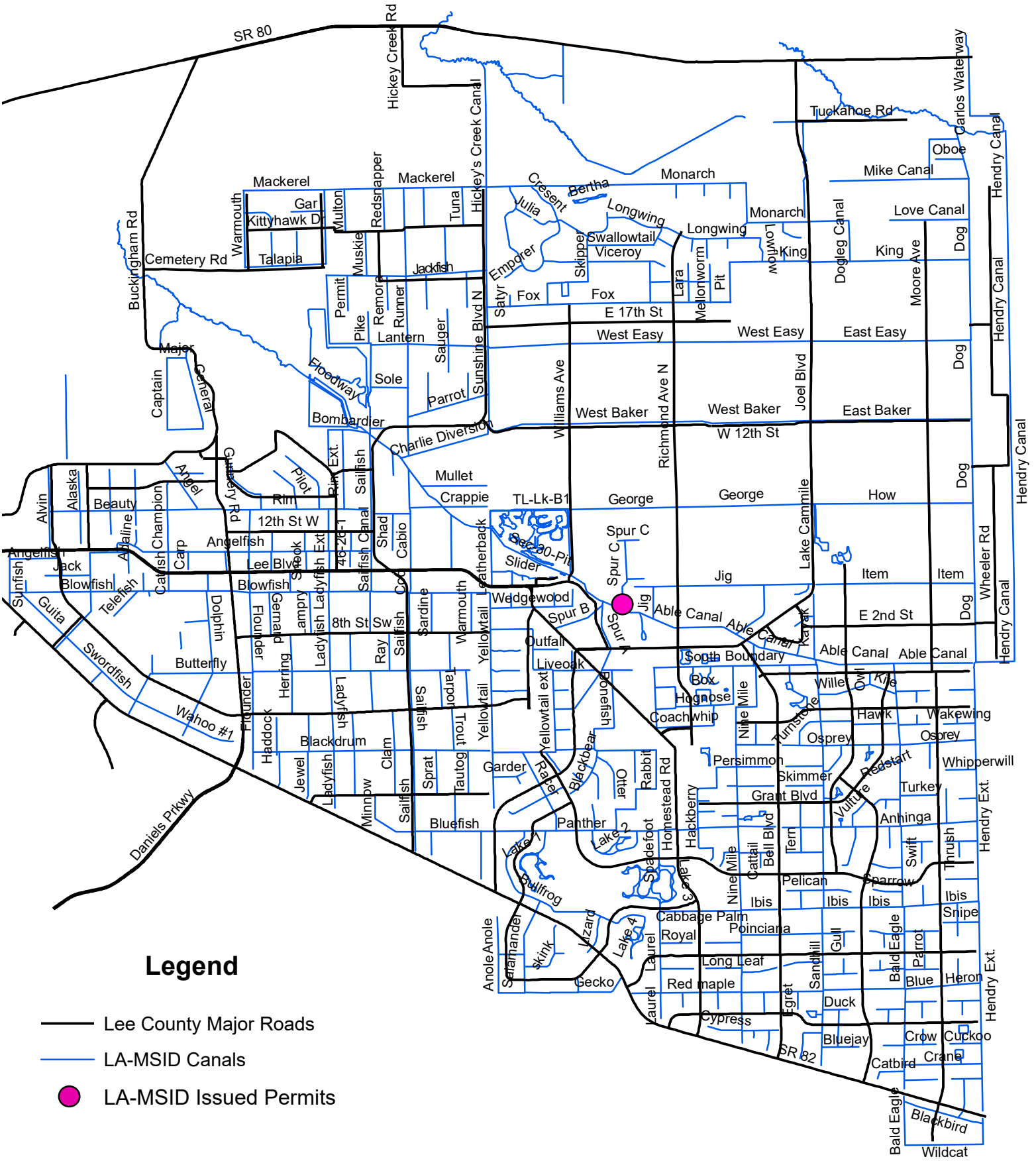
PART VI

SUBMITTALS

NO. OF COPIES		SUBMITTAL DOCUMENT
SUB'D	REQ'D	
		ITEMS REQUIRED FOR INITIAL SUBMITTAL
2	2	**Construction/Development Plans** signed and sealed by a Licensed Florida Professional Engineer including: 1. Location map showing the location of the proposed project in relation to adjacent streets and LA-MSID facilities. 2. Details of proposed works that fully communicate the work and/or use desired (i.e. Existing Conditions Survey, Proposed Site Plan, Paving Grading & Drainage Plan, Cross Sections, Element Details, and Erosion Control Plan sheets). 3. Sufficient survey data to determine elevations, property and ROW lines, limits of existing and proposed conditions, and notation of utilized vertical datum (NAVD/NGVD).
NA	2	**Stormwater Drainage Calculations** signed and sealed by a Licensed Florida Professional Engineer including, but not limited to, computer stormwater routing modeling data (ICPR4, Cascade, etc.) to verify compliance with the Design Criteria (input summary data below): **Water Quality Volume (Required):** _____(ACRE-FT) **Water Quality Volume (Provided):** _____(ACRE-FT) **Control Elevation:** _____(FT-NGVD) **Minimum Road/Parking Elevation:** _____(FT-NGVD) *(above the 10-year, 1-day design storm peak stage elevation)* **Minimum Perimeter Berm Elevation:** _____(FT-NGVD) *(above the 25-year, 3-day design storm peak stage elevation)* **Minimum Finished Floor Elevation:** _____(FT-NGVD) *(above the 100-year, 3-day design storm peak stage elevation and previously experienced high-water levels external to project)*
2	2	**Flash Drive / CD** containing plans in both AutoCAD (.dwg file drawn in "State Plane Coordinates") and PDF formats.
2	2	**Permit Application** (PARTS I & II)
2	2	**Disclosure of Owner Form (signed and notarized)** (PART III)
2	2	**Professional Consultant Form & Submittals** (PARTS V & VI)
NA	2	**Copy of Approved FDEP Notice of Intent (NOI)** for all sites one (1) acre and greater in size.
NA	2	**Copy of approved SWFMD permit**, for all sites required to get a permit, **or FDEP "10/2 Self-Certification"** approval.
1	1	**Check for appropriate Permit Fees** made out to LA-MSID.

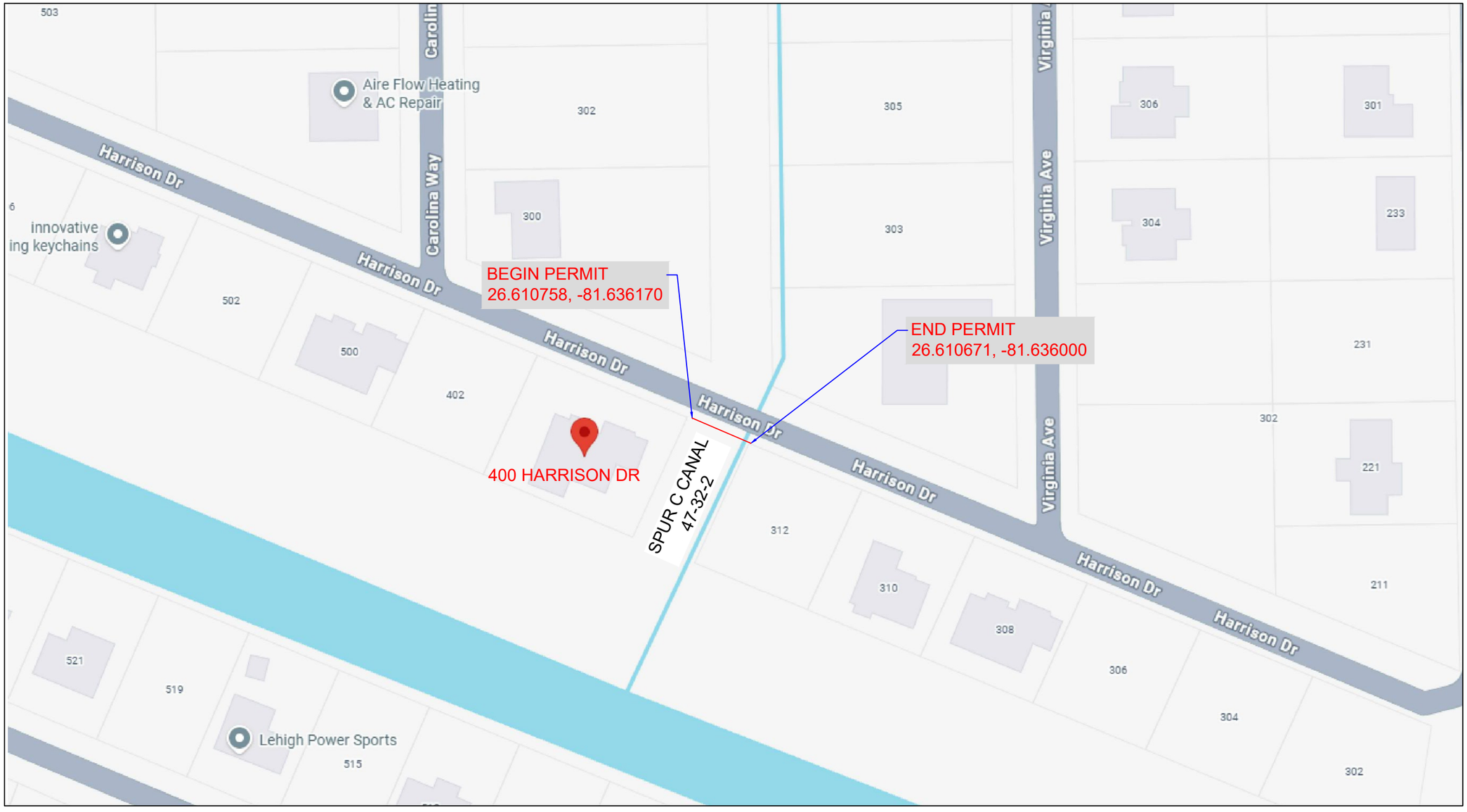
Lehigh Acres Municipal Services Improvement District
♦601 East County Lane ♦Lehigh Acres, FL 33936 ♦Phone: (239) 368-0044

Permit # 2026-92



LE1_016_FDH_004 - LEHIGH ACRES_LEE COUNTY_FLORIDA - SPUR C CANAL

400 HARRISON DR, LEHIGH ACRES, FL 33936 (26.610743, -81.636080)



PERMIT #:

PROJECT DESCRIPTION

- BURIED PLACEMENT OF 254' OF (2) 1.25" HDPE SDR 11 CONDUIT EQUIPPED WITH (1) 48-CT FIBER OPTIC CABLE. (0) PROPOSED HANDHOLES.
- PIPE TO BE INSTALLED BY MEANS OF HORIZONTAL DIRECTIONAL DRILLING AND HAND DIGGING METHODS.
- ALL AREAS DISTURBED BY INSTALLATION TO BE RESTORED TO EXISTING OR BETTER CONDITION.

DRAWING INDEX

SHEET NUMBER	SHEET TITLE	SHEET NUMBER	SHEET TITLE
1	COVER SHEET	7	PROFILE VIEW
2	SOW AND CONTACTS	8 - 9	IMAGES
3	LEGEND	10 - 12	TYPICALS
4 - 5	GENERAL NOTES		
6	PROJECT SHEETS		

PERMITTING AGENCY
LA - MSID

lumos

BLAIR CONSULTING SERVICES, Inc.

1428 SUNBLUSH LN
LAS VEGAS, NV 89117

811 Know what's below. Call before you dig.

Blair Consulting Services, INC
1428 Sunblush Ln, Las Vegas, NV 89117
Fabio Perassi - Project Manager
fsperassi@gmail.com

LUMOS
William Kiefer - OSP Project Engineer
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EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND BASED ON AVAILABLE RECORDS AND FIELD OBSERVATIONS. CONTRACTOR IS RESPONSIBLE FOR CALLING 811 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES AND ANY DAMAGE TO THE UTILITIES SHALL BE IMMEDIATELY REPAIRED AT THE CONTRACTOR'S EXPENSE.

REVISION DATA

NO.	DESCRIPTION	BY	DATE
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SHEET TITLE:	COVER SHEET
PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_016_FDH_004
DESCRIPTION:	SPUR C CANAL
DRAWING NAME:	LE1_016_FDH_004 - LEHIGH ACRES_LEE COUNTY_FLORIDA - SPUR C CANAL
SHEET:	1 OF 12

SCOPE OF WORK

- BURIED PLACEMENT OF 254' OF (2) 1.25" HDPE SDR 11 CONDUIT EQUIPPED WITH (1) 48-CT MICROFIBER OPTIC CABLE. (0) PROPOSED HANDHOLES.
- PIPE TO BE INSTALLED BY MEANS OF HORIZONTAL DIRECTIONAL DRILLING AND HAND DIGGING METHODS.
- ALL AREAS DISTURBED BY INSTALLATION TO BE RESTORED TO EXISTING OR BETTER CONDITION.

UTILITY OWNER CONTACTS

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ENGINEERING COMPANY

Blair Consulting Services, INC
1428 Sunblush Ln,
Las Vegas, NV 89117

PROJECT MANAGER
Fabio Perassi
813-579-0128
fsperassi@gmail.com

UTILITIES CONTACTS

CENTURYLINK
BILL MCCLOUD
(850) 815-3144

LEE COUNTY ELECTRIC CO-OP
TOM BAILEY
(239) 656-2414

LUMOS FIBER OF FLORIDA, LLC
MARLON BROWN - SR DIRECTOR
MARLON.BROWN@LUMOSFIBER.COM
(540) 278-0304

FLORIDA GOVERNMENTAL UTILITIES AUTHORITY - LEHIGH
POTABLE WATER/SANITARY SEWER
LINA MARIA QUINTERO, PE
(727) 858-2396

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT
MICHAEL COOK
(239) 368-0044 Ext. 16
MCOOK@LA-MSID.COM
STORM WATER/CANALS

LEE COUNTY DEPARTMENT OF TRANSPORTATION (DOT)
COMMERCIAL RIGHT OF WAY USE PERMIT
(239) 533-8580
ROADS

FDOT
DISTRICT 1 - COUNTIES: CHARLOTTE, COLLIER, DESOTO, GLADES, HARDEE, HENDRY, HIGHLANDS, LEE, MANATEE, OKEECHOBEE, POLK, SARASOTA
801 N. BROADWAY AVENUE
BARTOW, FLORIDA 33830
PHONE: (800) 292-3368
PHONE: (239) 225-1900

PERMITTING AGENCY
LA - MSID

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BLAIR CONSULTING SERVICES, Inc.

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LAS VEGAS, NV 89117

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REVISION DATA

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SHEET TITLE: SOW & CONTACTS

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_016_FDH_004
DESCRIPTION:	SPUR C CANAL
DRAWING NAME:	LE1_016_FDH_004 - LEHIGH ACRES_LEE COUNTY_FLORIDA - SPUR C CANAL
SHEET:	2 OF 12

LINETYPES

- UG FIBER – EXISTING
- UG FIBER – PROPOSED
- AERIAL FIBER – EXISTING
- AERIAL FIBER – PROPOSED
- COMMUNICATION (COM)
- RECLAIM WATER (RCW)
- DITCH
- GUARDRAIL
- ROAD CENTERLINE
- EASEMENT (ESMT)
- GAS (G)
- WATER (W)
- TELEPHONE (T)
- ELECTRIC (E)
- SANITARY SEWER (SEW)
- STORM DRAIN (SD)
- FENCE (X)
- CABLE TV (TV)
- STEAM (STM)
- OIL (OIL)
- UNKNOWN UTILITY (UNK)
- RIGHT OF WAY (R/W)
- EDGE OF PAVEMENT (EOP)
- SIDEWALK (S/W)

SYMBOL	DESCRIPTION
BP	BORE PIT
EOP	EDGE OF PAVEMENT
EOTW	EDGE OF TRAVEL WAY
FOC	FIBER OPTIC CABLE
HDPE	HIGH DENSITY POLYETHYLENE
HH	HANDHOLE
JB	JUNCTION BOX
MH	MANHOLE
MP	MILE POST
O/S	OFFSET
PVC	POLY VINYL CHLORIDE
RGS	RIGID GALVANIZED STEEL CONDUIT
ROW	RIGHT OF WAY
S/W	SIDEWALK
STA.	STATION

- CB — CABINET
- P — PEDESTAL
- E — ELECTRIC
- EM — ELECTRIC METER
- MH — MANHOLE
- R — RISER
- T — TELEPHONE
- P — POWER VAULT
- CATCH BASIN/INLET
- FIRE HYDRANT
- GROUND/BOND
- STREET LIGHT
- TREE
- CULVERT
- WING WALL
- BRIDGE
- U — MISC. UTILITY
- UTILITY POLE – EXISTING
- OWNER ID — POLE – PROPOSED
- HH — HANDHOLE – EXISTING
- HH — HANDHOLE – PROPOSED
- PD — PEDESTAL – PROPOSED
- MKR — PROMARK DOME MARKER POST
- BORE PIT – PROPOSED

- 0' — AERIAL STORAGE – EXISTING
- 0' — AERIAL STORAGE – PROPOSED
- 0' — VAULT/BUILDING STORAGE – EXISTING
- 0' — VAULT/BUILDING STORAGE – PROPOSED
- POLE ANCHOR/DOWN GUY – EXISTING
- POLE ANCHOR/DOWN GUY – PROPOSED
- PROPOSED DOWN GUY ON EXISTING ANCHOR
- FDP / NAME / SIZE / LOCATION — TERMINATION – EXISTING
- FDP / NAME / SIZE / LOCATION — TERMINATION – PROPOSED
- BUILDING / NAME / STREET — BUILDING CALLOUT – PROPOSED
- MANUFACTURER NAME — SPLICE POINT – EXISTING
- MANUFACTURER NAME — SPLICE POINT – PROPOSED

#F	
	IN: 0
	OUT: 0

SEQUENTIAL CALLOUT

#F	
	IN: 0
	TAIL: 0

SEQUENTIAL IN TAIL CALLOUT

#F	
	TAIL: 0
	OUT: 0

SEQUENTIAL TAIL OUT CALLOUT

POLE NO	N/A
UTILITY1	0'-0"

POLE ATTACHMENT CALLOUT – EXISTING
USE DYNAMIC PULL DOWN TO SELECT FROM 1 TO 6 ATTACHMENTS

POLE NO	N/A
UTILITY1	0'-0"

POLE ATTACHMENT CALLOUT – PROPOSED
USE DYNAMIC PULL DOWN TO SELECT FROM 1 TO 6 ATTACHMENTS

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SHEET TITLE: LEGEND

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_016_FDH_004
DESCRIPTION:	SPUR C CANAL
DRAWING NAME:	LE1_016_FDH_004 - LEHIGH ACRES_LEE COUNTY_FLORIDA - SPUR C CANAL
SHEET:	3 OF 12

GENERAL NOTES

CONTRACTOR MUST OBTAIN LOCATES PRIOR TO DISTURBING THE GROUND.

CONTRACTOR MUST HAVE A COPY OF THE APPROVED PERMIT FROM THE APPROPRIATE AGENCY ON THE JOBSITE AT ALL TIMES.

ALL CABLE WILL BE PLACED AT A MINIMUM DEPTH OF 36" DEEP UNLESS OTHERWISE DIRECTED BY A REPRESENTATIVE OF THE UTILITY OWNER.

ANY LANDSCAPING WILL BE REPLACED TO EQUAL OR BETTER THAN THAT WHICH EXISTED PRIOR TO WORK, 72 HOURS AFTER COMPLETION OF WORK.

PROJECT SITE WILL BE PROPERLY SECURED PRIOR TO THE END OF EACH DAY.

ALL WORK IS TO BE IN ACCORDANCE WITH ALL AUTHORITIES HAVING JURISDICTION IN THE WORK ZONE.

CONTRACTORS ARE ADVISED TO CONTACT THE PROJECT MANAGER FOR ANY ADDITIONAL INFORMATION OR CLARIFICATION CONCERNING SCOPE OF WORK OR THE REQUIREMENTS NECESSARY FOR PROJECT COMPLETION.

CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY ALL DIMENSIONS, QUANTITIES AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION. IF A SIGNIFICANT CHANGE TO THE RUNNING LINE IS NEEDED, PLEASE CONTACT THE PROJECT MANAGER BEFORE PROCEEDING.

BEFORE CONSTRUCTION BEGINS, CONTRACTOR SHALL TAKE APPROPRIATE PRECAUTIONS TO AVOID ANY POTENTIAL OBSTRUCTIONS PRIOR TO PROCEEDING WITH WORK.

NO CONSTRUCTION ON PRIVATE PROPERTY WILL COMMENCE UNTIL APPROVAL IS GIVEN BY A REPRESENTATIVE OF THE UTILITY OWNER.

CONTRACTOR SHALL NOT PROCEED WITH WORK UNTIL THEY HAVE RECEIVED A PURCHASE ORDER AND HAVE BEEN DIRECTED TO DO SO BY AN AUTHORIZED REPRESENTATIVE OF THE UTILITY OWNER.

CONTRACTOR SHALL NOT EXCEED THE PURCHASE ORDER VALUE WITHOUT AUTHORIZATION IN WRITING FROM THE APPROPRIATE REPRESENTATIVE OF THE UTILITY OWNER.

AS-BUILTS WILL BE REQUIRED FOR EACH PROJECT INCLUDING CABLE FOOTAGE SEQUENTIALS AT EVERY ACCESS POINT, SLACK LOOP, SPLICE LOCATION, POLE AND TERMINATION POINT. CONTRACTOR SHOULD ALSO PROVIDE NOTES OF ALL CHANGES IN DEPTHS, RUNNING LINES, MH/HH LOCATIONS, AND ANY OTHER APPLICABLE NOTES TO DEPICT THE WORK THAT TOOK PLACE. NOTE: ALL MAJOR CHANGES NEED TO BE PRE-APPROVED BY AN AUTHORIZED REPRESENTATIVE OF THE UTILITY COMPANY PRIOR TO STARTING THE WORK.

SITE CONDITIONS

THE ACTUAL LOCATION OF EXISTING CONDUIT AND CABLES MAY VARY FROM THE LOCATION SHOWN. REPAIR OF ANY DAMAGED CONDUIT CONTAINING CABLE SHALL BE MADE BY USE OF PVC SPLIT DUCT. THE CONTRACTOR SHALL ENCLOSE THE EXISTING CABLES IN PVC.

THE LOCATIONS OF EXISTING UTILITIES SHOWN IN THIS PLAN ARE APPROXIMATE. WHEN WORK IS TO BE CONDUCTED IN THE VICINITY OF KNOWN UTILITIES, THEIR ACTUAL LOCATION MUST BE FIELD VERIFIED TO AVOID CONFLICTS OR DAMAGE TO THOSE UTILITIES. VARIATION IN LOCATION BETWEEN "RECORDED POSITIONS" AND ACTUAL POSITIONS SHOULD BE ANTICIPATED.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES. BURIED UTILITIES MAY EXIST IN THE AREA IN ADDITION TO THOSE SHOWN ON THE PLAN. THE CONTRACTOR SHALL CONTACT PROPERTY OWNERS WHEN WORKING WITHIN PRIVATE EASEMENTS FOR LOCATION OF UNDERGROUND TANKS, PIPELINES, DRAIN TILES, OR OTHER BURIED IMPROVEMENTS. THE CONTRACTOR SHALL ALSO NOTIFY THE UTILITY NOTIFICATION CENTER PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITIES.

THE CONTRACTOR MUST ASSUME ALL BURIED UTILITIES ENCOUNTERED ARE ALIVE AND ACTIVE UNLESS SPECIFICALLY INSTRUCTED OTHERWISE BY OWNERS OR OPERATORS OF SAID UTILITIES.

DAMAGE TO SUB-SURFACE STRUCTURES IS THE SOLE RESPONSIBILITY OF THE PLACING CONTRACTOR.

THE CONTRACTOR SHALL PROTECT THE EXISTING TRAFFIC CONTROL LOOPS. IF EXISTING TRAFFIC CONTROL LOOPS ARE DAMAGED DURING CONSTRUCTION, THE ENTIRE LOOP WIRE FROM TERMINAL TO TERMINAL SHALL BE REPLACED IN ACCORDANCE WITH GOVERNING AGENCY STANDARDS AND REGULATIONS AT CONTRACTOR'S EXPENSE.

REMOVAL OF EXISTING ASPHALT PAVEMENT, CONCRETE CURBS, AND CONCRETE SIDEWALKS WILL BE "NEAT LINE" WITH SAW OR PAVEMENT CUTTER, PER REQUIREMENTS AND SPECIFICATIONS OF THE AGENCY OR DEPARTMENT RESPONSIBLE FOR EACH LOCATION. IF CONCRETE PAVEMENT IS ENCOUNTERED WHILE EXCAVATING CONDUIT TRENCHES, THE CONCRETE REMOVAL WILL BE "NEAT LINE" WITH A PAVEMENT SAW.

IF CONCRETE CURB RETURNS AND/OR SIDEWALKS ARE REPLACED DUE TO CONDUIT OR MANHOLE INSTALLATION, THE CONTRACTOR SHALL PLACE APPROVED HANDICAPPED SIDEWALK AND CURB ACCESS RAMPS IN CONFORMANCE WITH THE APPROPRIATE STATE STATUTES.

ALL MATERIALS NECESSARY FOR THE REPAIR OF STREETS, CURBS, SIDEWALKS, SANITARY SEWERS, STORM SEWERS, AND PUBLIC SERVICE UTILITIES, AND THE INSTALLATION OF SUCH MATERIALS SHALL BE IN CONFORMANCE WITH THE REQUIREMENTS AND SPECIFICATIONS OF THE AGENCY OR DEPARTMENT RESPONSIBLE FOR THE OPERATION AND MAINTENANCE OF THE REPAIRED FACILITY.

ALL WORK SHALL CONFORM TO THE SPECIFICATIONS OF THE JURISDICTIONAL PERMIT AGENCY.

ALL OPEN TRENCH WILL BE CLEARLY MARKED WITH BARRICADES OR CONES. STEEL PLATES OR OTHER TYPES OF BRIDGING SHALL BE PROVIDED TO COVER OPEN TRENCH IN THE TRAVEL PORTION OF THE STREETS. THESE PLATES OR BRIDGING SHALL BE ADEQUATE TO SUPPORT THE NORMAL VEHICLE LOADS ANTICIPATED IN THIS AREA AND SHALL BE IN PLACE DURING ALL NON-WORKING AREAS.

ALL SURFACES TO BE RESTORED TO ORIGINAL CONDITION, AND BACKFILL TO BE COMPACTED AS SPECIFIED. TRENCH EXCAVATION IN SURFACES WHICH INCLUDE CONCRETE TREATED BASE SHALL FOLLOW LOCAL AREA SPECIFICATIONS.

HAZARDOUS MATERIALS

THE CONTRACTOR SHALL NOTIFY THE JURISDICTIONAL PERMIT AGENCY IMMEDIATELY IF ANY MATERIALS ARE ENCOUNTERED THAT ARE CONSIDERED HAZARDOUS BY THE EPA, DEQ, OR OSHA. IF POTENTIALLY HAZARDOUS MATERIALS ARE ENCOUNTERED THE CONTRACTOR SHALL SECURE THE SITE AND PREVENT THE ACCIDENTAL EXPOSURE BY THE PUBLIC OR THE CONTRACTOR'S PERSONNEL.

THE CONTRACTOR MAY EXCAVATE UP TO, BUT SHALL NOT DISTURB KNOWN HAZARDOUS MATERIALS SUCH AS ASBESTOS, OILS, ACID, ETC. THE REMOVAL OF ALL HAZARDOUS MATERIALS MUST BE DONE BY AN APPROVED OR CERTIFIED HAZARDOUS MATERIALS CONTRACTOR LICENSED IN THE APPROPRIATE STATE.

A COPY OF ALL CORRESPONDENCE PERTINENT TO THE REMOVAL OF HAZARDOUS MATERIALS SHALL BE TRANSMITTED TO OWNER AND A COPY SHALL BE AVAILABLE AT THE PROJECT OFFICE AND THE JOB SITE.

AERIAL NOTES

- AERIAL CONSTRUCTION TO BE PERFORMED TO INDUSTRY ACCEPTABLE STANDARDS.
- ALL HEIGHTS OF CABLE PLACEMENT WILL BE RECORDED AT TIME OF CONSTRUCTION. DOCUMENT ALL POINTS OF ATTACHMENT.
- ALL EXTENSION ARMS TO BE PLACED WILL BE EPOXY ARMS UNLESS OTHERWISE NOTED OR APPROVED BY THE INSPECTOR.
- BOND STRAND TO POWER MGN WHERE APPLICABLE. ANCHORS TO BE USED WILL BE 3/4 SCREW IN TYPE.
- ALL STRAPS WILL BE PLACED 4" BEFORE AND AFTER EVERY SUPPORTING CLAMP AT A MINIMUM OF 21" APART.
- P.O.A. = POINT OF ATTACHMENT.
- ADD MISSING GROUNDS.
- REPAIR/REPLACE EXISTING LASHING WIRE IF DAMAGED.

CONSTRUCTION STAKING

IN AREAS WHERE THE CONDUIT ALIGNMENT IS NOT CLEARLY DEFINED BY CURB LINES, FENCE LINES, OR OTHER EVIDENCE OF THE RIGHT-OF-WAY, THE ENGINEER WILL PROVIDE CENTERLINE STAKES OR PAINT MARKS WHERE REQUIRED TO MAKE THE PROPOSED CONDUIT ALIGNMENT EVIDENT.

MANHOLE CENTERS WILL BE FIELD STAKED BY THE ENGINEER WHEN REQUESTED WITH OFFSET STAKES AT RIGHT ANGLES (90°) TO THE CONDUIT ALIGNMENT.

CLOSURES IDENTIFIED IN THE PLANS SHALL BE LOCATED BY THE CONTRACTOR. DEVIATION FROM PLAN LAYOUT SHALL BE APPROVED BY THE ENGINEER PRIOR TO CONDUIT AND/OR CLOSURE INSTALLATION.

IF ADDITIONAL, FIELD STAKING OR LOCATION OF CONDUITS, MANHOLES, PROPERTY LINES, ETC., BECOMES NECESSARY, THE CONTRACTOR IS TO NOTIFY THE INSPECTOR OR THE ENGINEER TWO WORKING DAYS PRIOR TO BEGINNING THE WORK.

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SHEET TITLE: GENERAL NOTES

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_016_FDH_004
DESCRIPTION:	SPUR C CANAL
DRAWING NAME:	LE1_016_FDH_004 - LEHIGH ACRES_LEE COUNTY_FLORIDA - SPUR C CANAL
SHEET:	4 OF 12

PERMITS - FRANCHISES - EASEMENTS

PHYSICAL WORK SHALL NOT BE STARTED UNTIL THE GOVERNING AGENCY INSPECTOR AND THE CONTRACTOR ARE IN POSSESSION OF AND HAVE CAREFULLY REVIEWED AND FULLY UNDERSTAND ALL CONDITIONS AND SPECIFICATIONS SET FORTH IN THE REQUIRED PERMITS, FRANCHISES, AND/OR EASEMENTS.

PLACING FOREMAN TO HAVE A COPY OF THE PERMITS/EASEMENTS ON SITE AT ALL TIMES.

ANY CONFLICT BETWEEN WORK PRINT SPECIFICATIONS AND SPECIFICATIONS SET FORTH UNDER RELATED PERMITS, FRANCHISES, AND/OR EASEMENTS MUST BE CLEARED BY PROPER COMPANY AUTHORITY BEFORE PROGRESSING WITH WORK INVOLVED

TRAFFIC CONTROL

THIS PROJECT WILL INVOLVE WORKING ALONG A MAJOR ARTERIAL ROAD AND HEAVY TRAFFIC VOLUME SHOULD BE ANTICIPATED.

UNIFORM TRAFFIC FLOW SHALL BE MAINTAINED AT ALL TIMES. ONLY EQUIPMENT AND MATERIALS NECESSARY FOR IMMEDIATELY SCHEDULED OR IN PROGRESS WORK WILL BE MAINTAINED IN THE WORK AREA. ALL OTHER EQUIPMENT AND MATERIALS WILL BE "STORED OR STOCKPILED" IN SUCH A MANNER AS TO ELIMINATE HAZARDOUS CONDITIONS FOR TRAFFIC OR PEDESTRIANS DURING NON-WORKING OR SHUT DOWN PERIODS.

TRAFFIC WARNING DEVICES AND SIGNS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (U.S. GOVERNMENT PRINTING OFFICE) AND TO THE STATE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION. HIGH LEVEL WARNING TYPE DEVICES ARE TO BE USED AT ALL TIMES AND SPECIAL WARNING DEVICES MAY BE STIPULATED BY THE JURISDICTIONAL PERMIT AGENCY AT ANY TIME THE USE WILL ADD TO THE SAFETY AND PROTECTION OF TRAFFIC OR PEDESTRIANS IN THE CONSTRUCTION AREA.

ALL CONDUIT TRENCHING IN PAVED AREAS SHALL BE BACKFILLED WITH CRUSHED GRAVEL OR COMPLETELY COVERED AT THE COMPLETION OF EACH WORKING DAY. ANY BACKFILLED TRENCH SHALL BE CAPPED WITH A MINIMUM LAYER OF ASPHALTIC CONCRETE COLD PATCH AT THE END OF EACH WORKING DAY.

THE CONTRACTOR SHALL MARK THE CONDUIT TRENCH AND DEFINE HIS CONSTRUCTION AREA CLEARLY WITH BARRICADES, CONES, AND/OR OTHER VISIBLE METHODS THAT ALERT THE PUBLIC OF THE CONSTRUCTION ACTIVITY.

A TRAFFIC CONTROL PLAN SHALL BE PREPARED BY THE CONTRACTOR AS REQUIRED AND SUBMITTED TO EACH PERMITTING AGENCY REQUESTING SUCH PLAN FOR REVIEW AND APPROVAL OR REVISION PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITY FOR THIS PROJECT. THE APPROVED PLAN SHALL BE SUBMITTED TO THE AGENCY AND A COPY OF THE PLAN SHALL BE KEPT AT THE CONSTRUCTION SITE AND MUST BE READILY AVAILABLE REVIEW BY THE AGENCY REPRESENTATIVES.

SPECIAL UTILITY CLEARANCES

ALL WORK CONDUCTED ADJACENT TO WATER MAINS SHALL CONFORM TO THE FOLLOWING CONDITIONS:

A. WHEREVER POSSIBLE CONDUIT SHALL MAINTAIN A HORIZONTAL SEPARATION OF 3.0 FEET, MEASURED SURFACE TO SURFACE (OUTSIDE EDGE TO OUTSIDE EDGE), FROM PARALLEL WATER MAINS.

B. WHEREVER POSSIBLE, CONDUIT SHALL PASS UNDER EXISTING WATER MAINS AND MUST MAINTAIN 24" VERTICAL CLEAR SEPARATION. CONDUITS PASSING OVER WATER MAINS MUST ALSO MAINTAIN THE 24" VERTICAL SEPARATION.

C. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING THIS REQUIRED VERTICAL SEPARATION BY EITHER EXPOSING THE WATER MAIN EVERY 100 FEET IN THOSE AREAS WHERE HORIZONTAL SEPARATION IS LESS THAN 3.0 FEET OR BY UTILIZING THE DEPTHS OF ADJACENT WATER VALVES. IF THE CONTRACTOR UTILIZES THE ADJACENT WATER TO DETERMINE WATER MAIN DEPTH, HE SHALL CONTACT THE AGENCY AT EACH SUCH LOCATION AND THE AGENCY WILL DETERMINE THE NECESSARY DEPTH OF THE TOP OF THE CONDUIT AT THAT POINT.

D. THE VERTICAL AND HORIZONTAL SEPARATION SHALL BE MAINTAINED AT ALL TIMES UNLESS SPECIFICALLY REVISED BY AGREEMENT BETWEEN THE JURISDICTIONAL PERMIT AGENCY AND THE AGENCY ANY SPECIFIC DEVIATION IN VERTICAL AND HORIZONTAL SEPARATION FROM THOSE DESCRIBED SHALL BE REPORTED TO THE OWNER BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING VERTICAL AND HORIZONTAL SEPARATION AT ALL TIMES AND SHALL BE RESPONSIBLE FOR ANY AND ALL ENCROACHMENTS.

E. CLEARANCES TO STORM SEWERS AND SANITARY SEWERS SHALL BE EXACTLY THE SAME AS THOSE TO WATER MAINS.

STRUCTURE PROTECTION

MANHOLES AND CONDUIT TO BE PLACED ADJACENT TO EXISTING STRUCTURES SUCH AS BRIDGE BRIDGE FOOTINGS/PIERS, BUILDING FOUNDATIONS, WALLS, POWER AND TELEPHONE POLES, AND OTHER UTILITIES SHALL MAINTAIN A MINIMUM CLEARANCE AS SHOWN. THE CONTRACTOR SHALL NOT UNDERMINE ANY ADJACENT STRUCTURE WITHOUT SPECIFIC WRITTEN PERMISSION FROM THE OWNER/OPERATOR OF SUCH STRUCTURE.

SHORING USED AS FOUNDATION SUPPORT SHALL BE DESIGNED SPECIFICALLY FOR BOTH THE LIVE AND DEAD LOADS OF THE STRUCTURE, OR IF ONLY THE DEAD LOAD IS USED FOR DESIGN, THE CONTRACTOR SHALL PROVIDE A DETAILED LAYOUT AND PLAN OF THE METHOD OF ESTABLISHING AND MAINTAINING THE DESIGN LOAD CONDITIONS (I.E., ROAD DETOURS, TIEBACKS, ETC.).

SEE UTILITY CLEARANCE SECTION NOTES FOR CLEARANCE CRITERIA TO PARALLEL OR CROSS UTILITIES.

EXISTING UTILITIES EXPOSED DURING EXCAVATION SHALL BE 100% SUPPORTED BY EITHER TRENCH BRIDGING AND SUSPENSION OR BY THE USE OF LONGITUDINAL TRAYS OR PLATFORMS VERTICALLY SUPPORTED BY ADJUSTABLE BUILDING JACKS.

EXISTING SPLICE CASES AND CABLES SHALL BE SUPPORTED BY SUSPENSION FROM A CROSSING BEAM. SUPPORTS SHALL BE PLACED AT A MAXIMUM SPACING OF 4.0 FEET AND SHALL CONSIST OF A CANVAS SLING WITH NYLON BELTING OR ROPE. ALL CABLE SUPPORTS SHALL BE PLACED IN A MANNER THAN PREVENTS KINKS OR OTHER DAMAGE TO THE CABLE SHEATH.

AN ACCEPTABLE ALTERNATIVE TO CABLE SLINGS WOULD BE THE UTILIZATION OF A WIDE FLANGE "I" BEAM OR CHANNEL AS A "CABLE TRAY" WITH THE CABLES/CASES BANDED IN PLACE.

SHORING

THE CONTRACTOR SHALL PROVIDE SHORING FOR CONDUIT TRENCH EXCAVATION 42" OR MORE IN DEPTH AS MEASURED FROM THE HIGH SIDE OF THE TRENCH AND FOR ALL MANHOLE EXCAVATION.

MANHOLE SHORING SHALL BE TIGHT-SHEETED.

ALL SHORING SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF LOCAL COUNTY AND THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA).

SHORING SHALL BE DESIGNED TO MEET H-20 HIGHWAY LOADING.

THE CONTRACTOR SHALL PROVIDE ALL SHORING AND DESIGN CALCULATIONS TO THE PERMIT ISSUING AGENCY PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITY.

UTILITY NOTE:

EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND BASED ON AVAILABLE RECORDS, VERBAL INFORMATION AND/OR PHYSICAL FEATURES. PRIOR TO CONSTRUCTION (AT LEAST 72 HOURS OR THE MORE RESTRICTIVE MINIMUM NOTIFICATION PERIOD), THE CONTRACTOR SHALL CONTACT SUNSHINE 811 TO ALLOW MARKING OF EXISTING BURIED UTILITIES WITHIN THE SCOPE OF THE PROPOSED WORKZONE.

SOFT DIGS &/OR POTHOLING SHALL BE REQUIRED BY CONTRACTOR TO IDENTIFY EXISTING UTILITY DEPTHS.

MINIMUM 24" SEPARATION SHALL BE MAINTAINED FROM ALL EXISTING UTILITIES UNLESS SUPERVISED.

PERMITTING AGENCY

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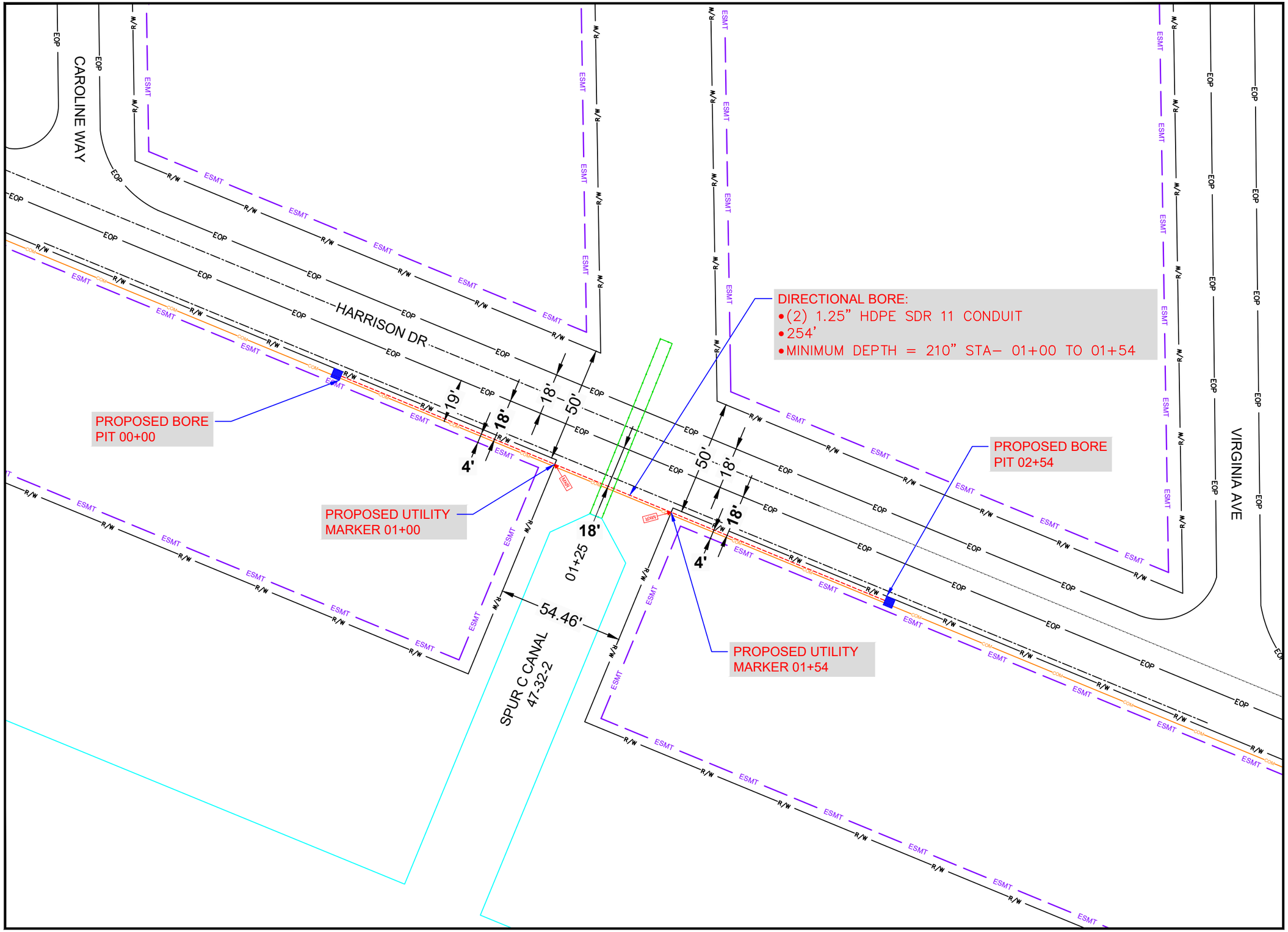
SHEET TITLE:
GENERAL NOTES

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_016_FDH_004
DESCRIPTION:	SPUR C CANAL
DRAWING NAME:	LE1_016_FDH_004 - LEHIGH ACRES_LEE COUNTY_FLORIDA - SPUR C CANAL
SHEET:	5 OF 12



PERMITTING AGENCY

LA - MSID

N

lumos

BLAIR CONSULTING SERVICES, Inc.

1428 SUNBLUSH LN
LAS VEGAS, NV 89117

811 Know what's below. Call before you dig.

0 10' 20' 30' 40'

SCALE: 1"=40'

EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND BASED ON AVAILABLE RECORDS AND FIELD OBSERVATIONS. CONTRACTOR IS RESPONSIBLE FOR CALLING 811 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES AND ANY DAMAGE TO THE UTILITIES SHALL BE IMMEDIATELY REPAIRED AT THE CONTRACTOR'S EXPENSE.

REVISION DATA

NO.	DESCRIPTION	BY	DATE
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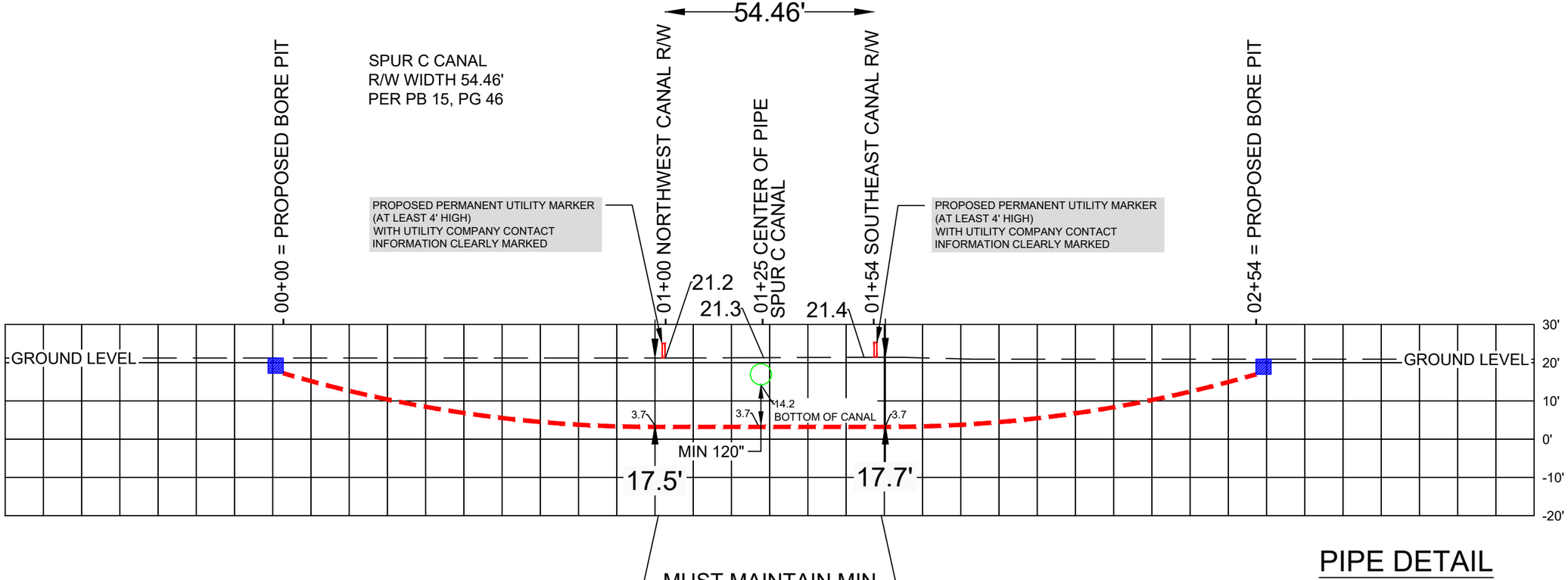
SHEET TITLE:

PROJECT SHEET

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_016_FDH_004
DESCRIPTION:	SPUR C CANAL
DRAWING NAME:	LE1_016_FDH_004 - LEHIGH ACRES_LEE COUNTY_FLORIDA - SPUR C CANAL
SHEET:	6 OF 12

SUB-GRADE VERTICAL PROFILE VIEW
HARRISON DR
LOOKING NORTHEAST

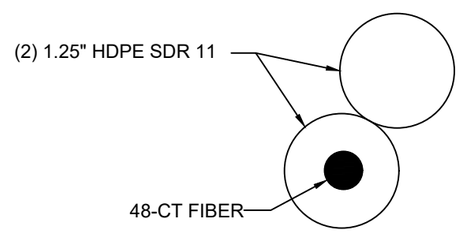


MUST MAINTAIN MIN
10' BELOW BOTTOM OF
CANAL IN LA-MSID ROW

UTILITY NOTE:

EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND BASED ON AVAILABLE RECORDS, VERBAL INFORMATION AND/OR PHYSICAL FEATURES. PRIOR TO CONSTRUCTION (AT LEAST 72 HOURS OR THE MORE RESTRICTIVE MINIMUM NOTIFICATION PERIOD), THE CONTRACTOR SHALL CONTACT SUNSHINE 811 TO ALLOW MARKING OF EXISTING BURIED UTILITIES WITHIN THE SCOPE OF THE PROPOSED WORKZONE.

PIPE DETAIL



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BLAIR CONSULTING SERVICES, Inc.
1428 SUNBLUSH LN
LAS VEGAS, NV 89117

811 Know what's below. Call before you dig.

0 10' 20' 30'
SCALE: 1"=30'

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REVISION DATA

NO.	DESCRIPTION	BY	DATE
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SHEET TITLE:
PROFILE VIEW

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_016_FDH_004
DESCRIPTION:	SPUR C CANAL
DRAWING NAME:	LE1_016_FDH_004 - LEHIGH ACRES_LEE COUNTY_FLORIDA - SPUR C CANAL
SHEET:	7 OF 12

STREET LEVEL VIEW
STA 01+00
FACING SOUTHEAST



04/25/2026 12:50PM
26.610758, -81.636170
400 HARRISON DR
LEHIGH ACRES, FL 33936

PERMITTING AGENCY
LA - MSID

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1428 SUNBLUSH LN
LAS VEGAS, NV 89117

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REVISION DATA

NO.	DESCRIPTION	BY	DATE
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SHEET TITLE: IMAGES

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_016_FDH_004
DESCRIPTION:	SPUR C CANAL
DRAWING NAME:	LE1_016_FDH_004 - LEHIGH ACRES_LEE COUNTY_FLORIDA - SPUR C CANAL
SHEET:	8 OF 12

STREET LEVEL VIEW
STA 01+54
FACING NORTHWEST



04/25/2026 12:51PM
26.610671, -81.636000
312 HARRISON DR
LEHIGH ACRES, FL 33936

PERMITTING AGENCY
LA - MSID

lumos

BLAIR CONSULTING SERVICES, Inc.
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LAS VEGAS, NV 89117

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REVISION DATA

NO.	DESCRIPTION	BY	DATE
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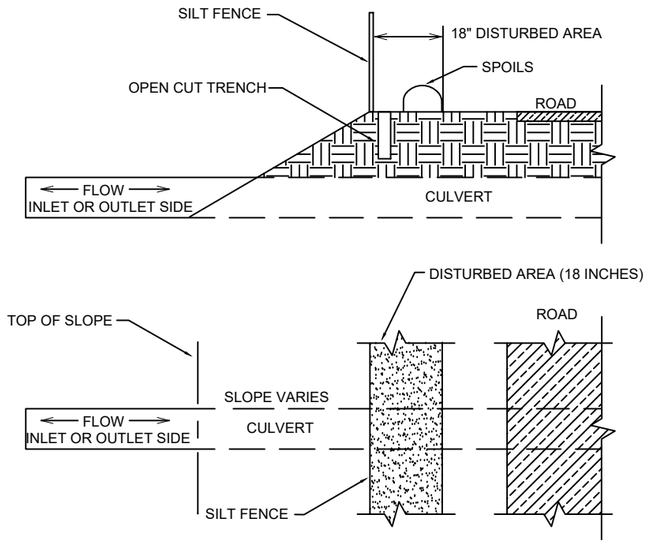
----	----	----	----

SHEET TITLE:	IMAGES
PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_016_FDH_004
DESCRIPTION:	SPUR C CANAL
DRAWING NAME:	LE1_016_FDH_004 - LEHIGH ACRES_LEE COUNTY_FLORIDA - SPUR C CANAL
SHEET:	9 OF 12

TYPICALS

CULVERT CUT OVER ON ROADSIDE SHOULDER

NOT TO SCALE



GENERAL NOTES

1. INSTALL SILT FENCE TO PROTECT DOWNSTREAM AREAS FROM SEDIMENTATION PRIOR TO CONSTRUCTION.
2. INSTALL SILT FENCE AS NEEDED TO PROTECT DRAINAGE FEATURES, BUT NO LESS THAN 10' ON EITHER SIDE OF CULVERT.

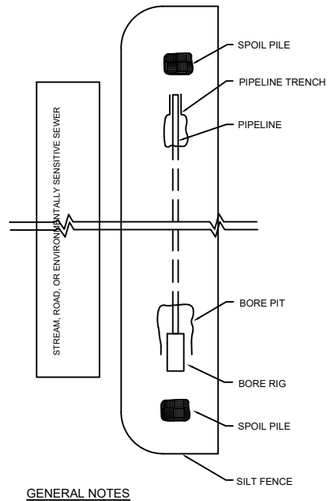
MAINTENANCE NOTES

INSPECT CULVERT CROSSING STRUCTURES WEEKLY AND AFTER EACH SIGNIFICANT RAINFALL EVENT (0.5" OR GREATER) TO SEE IF ANY EROSION AROUND OR BELOW THE SILT FENCE HAS OCCURRED, IMMEDIATELY MAKE ALL NEEDED REPAIRS TO PREVENT FURTHER DAMAGE.

*REF: 6.41.5 NC Erosion and Sediment Control Planning and Design Manual, 2006

DIRECTIONAL BORE DETAIL (PARALLEL)

NOT TO SCALE

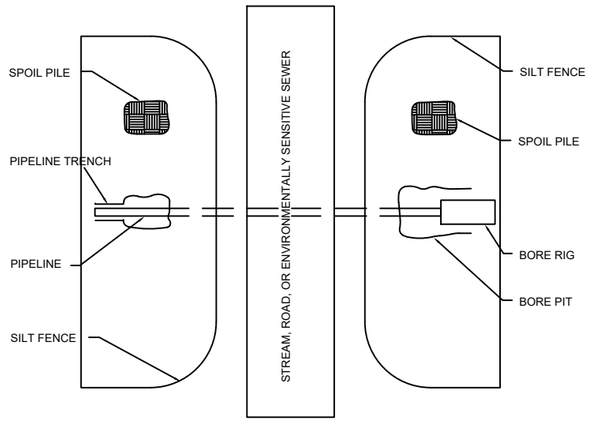


GENERAL NOTES

1. BORE PITS AND SPOILS PILES SHALL BE ENCLOSED ON THREE SIDES AS SHOWN WITH SILT FENCE

DIRECTIONAL BORE DETAIL (TRAVERSE)

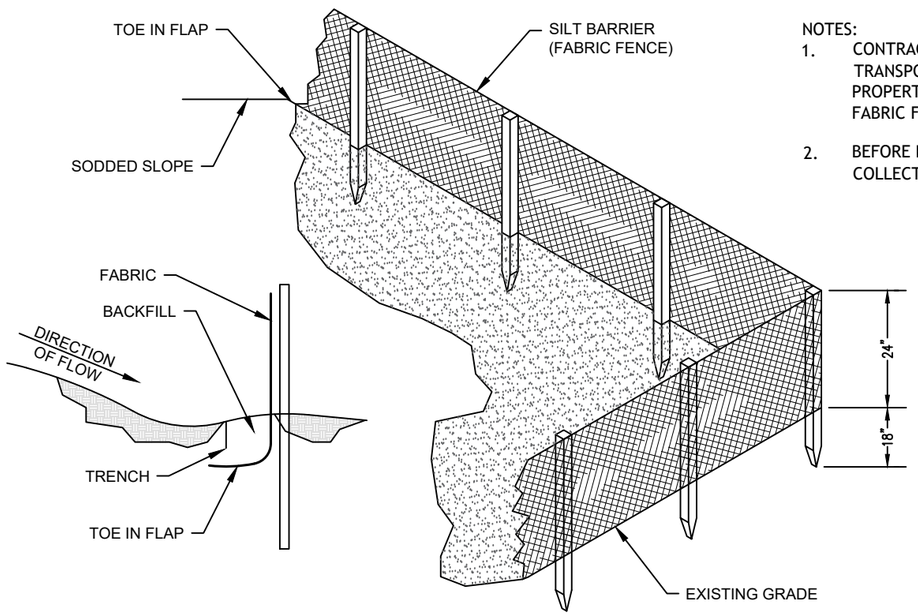
NOT TO SCALE



GENERAL NOTES

1. BORE PITS AND SPOILS PILES SHALL BE ENCLOSED ON THREE SIDES AS SHOWN WITH SILT FENCE

FABRIC FENCE SILT - BARRIER



NOTES:

1. CONTRACTOR IS REQUIRED TO PREVENT ANY SEDIMENT TRANSPORT FROM THE PROJECT SITE ON TO ADJACENT PROPERTY. INSTALLATION OF EITHER BALED HAY OR FABRIC FENCE TYPE SILT BARRIER IS ACCEPTABLE.
2. BEFORE REMOVING SILT BARRIER, CONTRACTOR SHALL COLLECT AND DISPOSE OF ANY ACCUMULATED SILT.

PERMITTING AGENCY

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BLAIR CONSULTING SERVICES, Inc.

1428 SUNBLUSH LN
LAS VEGAS, NV 89117

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NO.	DESCRIPTION	BY	DATE
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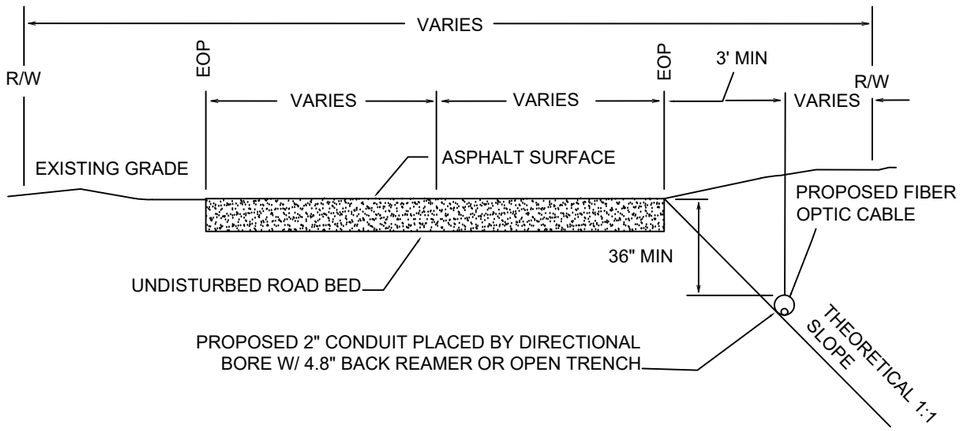
SHEET TITLE: TYPICALS

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_016_FDH_004
DESCRIPTION:	SPUR C CANAL
DRAWING NAME:	LE1_016_FDH_004 - LEHIGH ACRES_LEE COUNTY_FLORIDA - SPUR C CANAL
SHEET:	10 OF 12

TYPICALS

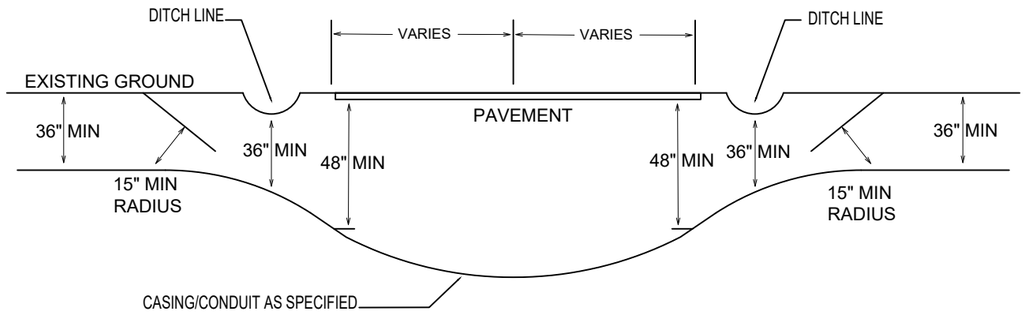
PARALLEL CONDUIT DETAIL FOR FDOT RIGHT-OF-WAY

NOT TO SCALE



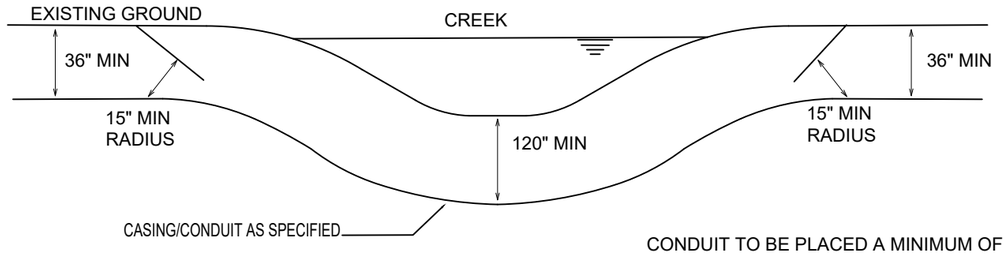
DIRECTIONAL BORE UNDER SECONDARY ROADWAY

NOT TO SCALE



DIRECTIONAL BORE UNDER CREEK BED

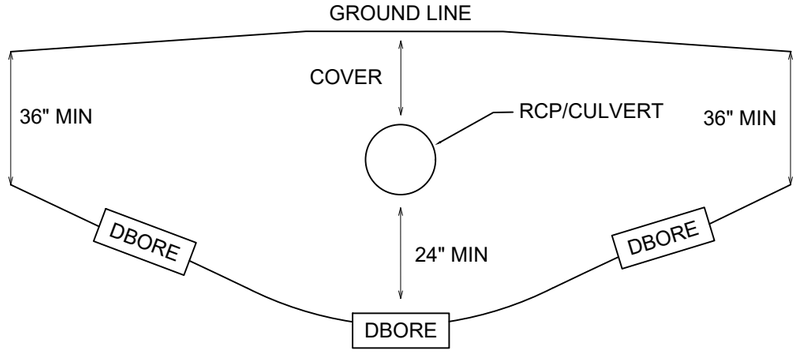
NOT TO SCALE



CONDUIT TO BE PLACED A MINIMUM OF 10 FEET BELOW CREEK BED

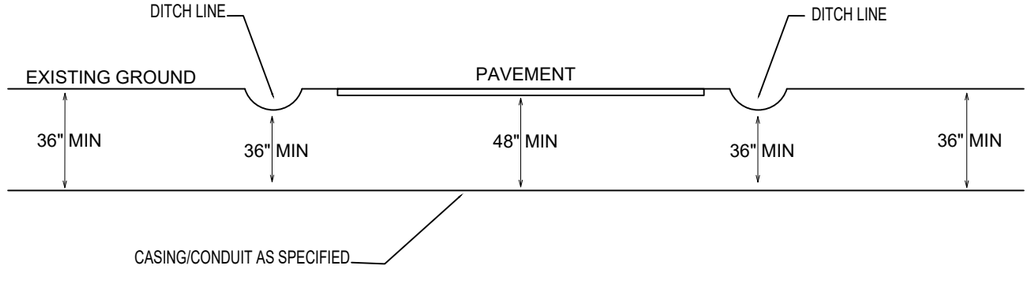
CULVERT CROSSING DETAIL

NOT TO SCALE



DRY BORE UNDER ROADWAY

NOT TO SCALE



PERMITTING AGENCY

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1428 SUNBLUSH LN
LAS VEGAS, NV 89117

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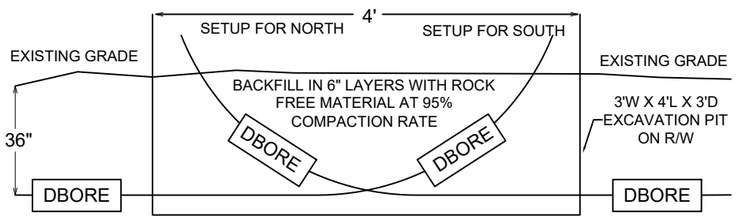
DESCRIPTION:	SPUR C CANAL
DRAWING NAME:	LE1_016_FDH_004 - LEHIGH ACRES_LEE COUNTY_FLORIDA - SPUR C CANAL
SHEET:	11 OF 12

TYPICALS

DIRECTIONAL BORE TIE-IN DETAIL

NOT TO SCALE

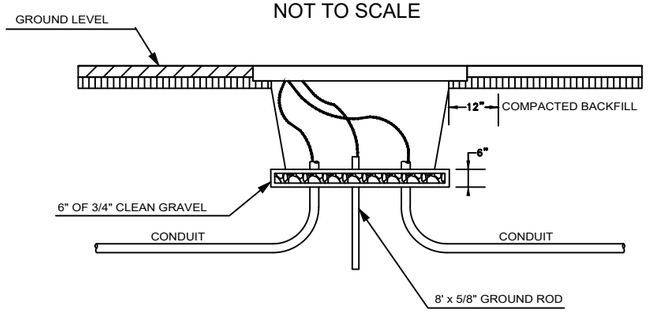


TIE-IN STATION

- BORE FROM EACH DIRECTION IS RUN AT DESIGN DEPTH TO 2 FEET PAST THE INTENDED TIE-IN. THEN TURNED UP TO DAYLIGHT.
- THE TIE-IN POINT IS EXCAVATED. THE CONDUITS CUT OFF WHERE THEY CROSS EACH OTHER AT DESIGN DEPTH, AND A COUPLER IS INSTALLED TO CONNECT THE TWO CONDUITS AT THE DESIGN DEPTH.
- ALL EXCAVATIONS OR TRENCHES 4 FEET OR GREATER IN DEPTH SHALL BE APPROPRIATELY BENCHED, SHORED, OR SLOPED IN OSHA'S EXCAVATION STANDARD, 29 CFR 1926.650, .651, AND .652

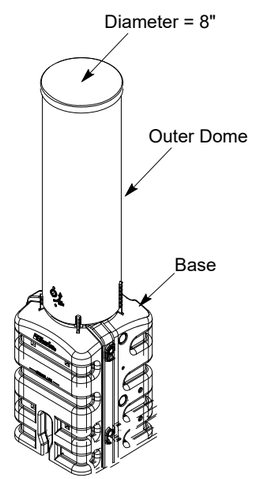
PULL BOX HANDHOLE

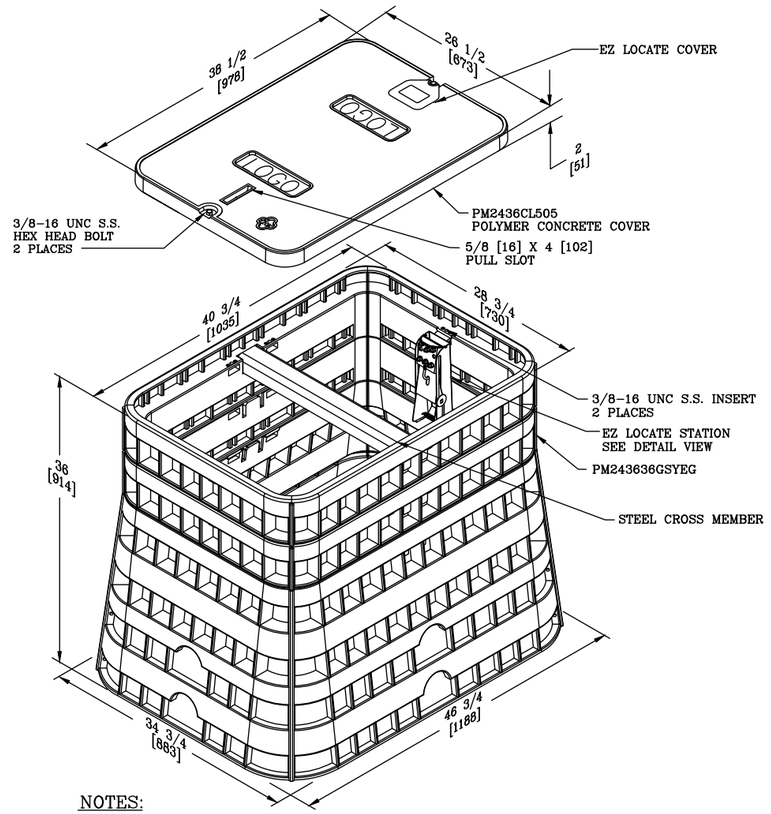
NOT TO SCALE



ALL EXCAVATIONS OR TRENCHES 4 FEET OR GREATER IN DEPTH SHALL BE APPROPRIATELY BENCHED, SHORED, OR SLOPED ACCORDING TO THE PROCEDURES AND REQUIREMENTS SET FORTH IN OSHA'S EXCAVATION STANDARD, 29 CFR 1926.650, .651, AND .652.

BDO204-EG

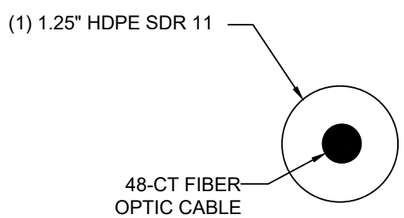




NOTES:

1. BOX MATERIAL TO BE HDPE PLASTIC, COVER MATERIAL TO BE POLYMER CONCRETE.
2. COLOR TO BE GREY.
3. THIS ASSEMBLY HAS A LOAD RATING OF 20,000 LBS. [88,960 N].

PIPE DETAIL



PERMITTING AGENCY

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1428 SUNBLUSH LN
LAS VEGAS, NV 89117

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SHEET TITLE:	TYPICALS
PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_016_FDH_004
DESCRIPTION:	SPUR C CANAL
DRAWING NAME:	LE1_016_FDH_004 - LEHIGH ACRES_LEE COUNTY_FLORIDA - SPUR C CANAL
SHEET:	12 OF 12

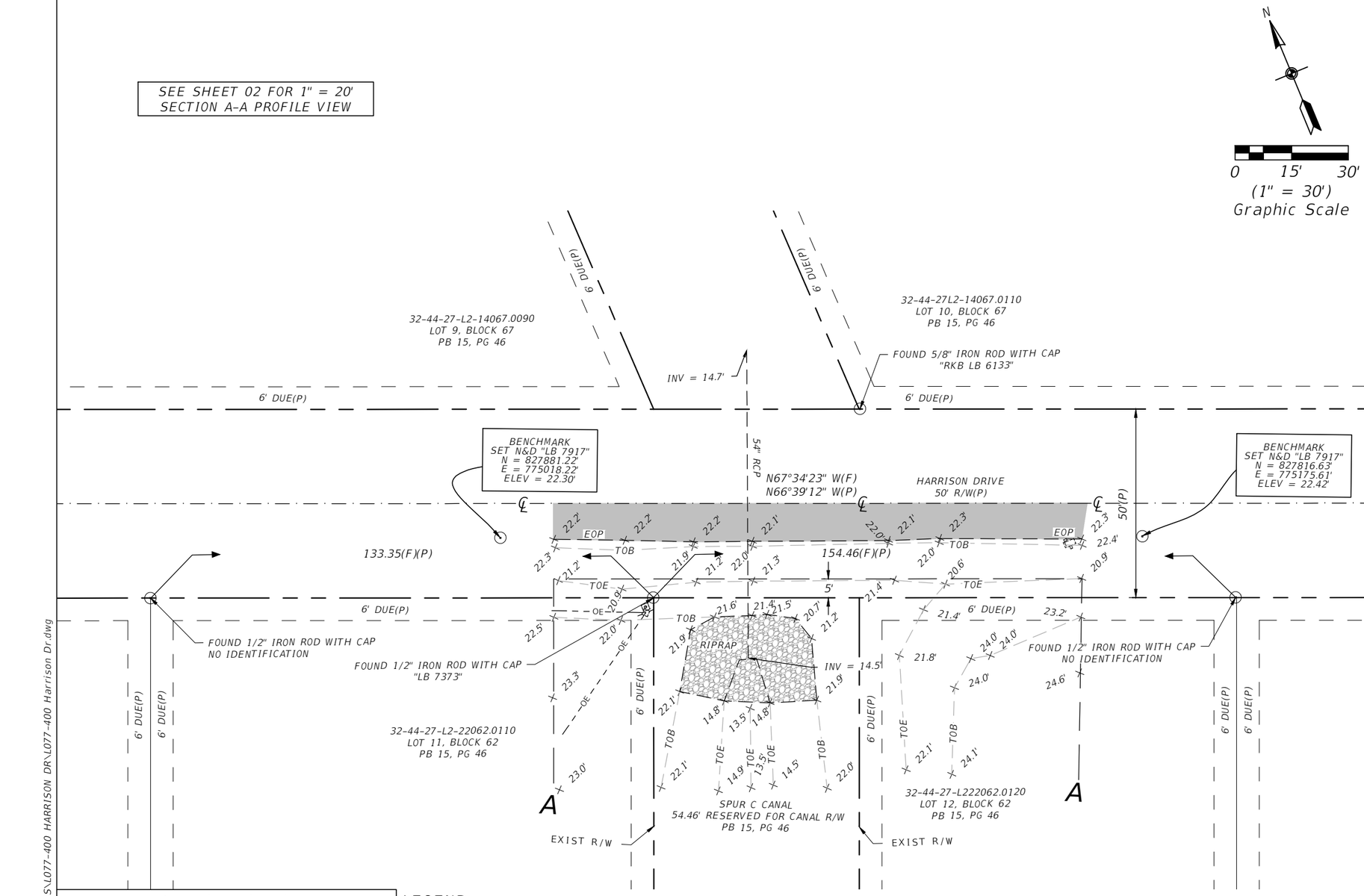
Topographic Survey of a Subject Project Site

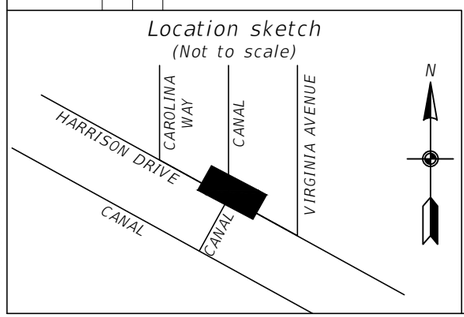
lying within

Section 32, Township 44 South, Range 27 East

Lehigh Acres, Lee County, Florida

SEE SHEET 02 FOR 1" = 20'
SECTION A-A PROFILE VIEW





LEGEND:

(F)	= FIELD MEASURED	INV	= INVERT ELEVATION
(P)	= PER PLAT	N&D	= NAIL AND DISK
(C)	= CALCULATED	NAVD 88	= NORTH AMERICAN VERTICAL DATUM 1988
CB	= CATCH BASIN	OR	= OFFICIAL RECORDS BOOK
Δ	= DELTA ANGLE	PB	= PLAT BOOK
℄	= CENTER LINE	PG	= PAGE
CONC	= CONCRETE	R/W	= RIGHT OF WAY
CMP	= CORRUGATED METAL PIPE	RCP	= REINFORCED CONCRETE PIPE
CPP	= CORRUGATED PLASTIC PIPE	RNG	= RANGE
DUE	= DRAINAGE AND UTILITY EASEMENT	S/W	= SIDEWALK
ELEV	= ELEVATION	SEC	= SECTION
EOP	= EDGE OF PAVEMENT	TOB	= TOP OF BANK
EXIST	= EXISTING	TOE	= TOE OF SLOPE
FIRC	= FOUND IRON ROD AND CAP	TWP	= TOWNSHIP
INST#	= INSTRUMENT NUMBER	(TYP)	= TYPICAL

⊙ = FOUND MONUMENT
OE = OVERHEAD UTILITY LINE
+20.0 = SPOT ELEVATION
= ELECTRICAL POLE
= TELEPHONE PEDESTAL

NOTES:

Survey based on the plat of Plat of Section 32 TWP. 44S RGE. 27E of Lehigh Acres as recorded in Plat Book 15 Page 46, Public Records of Lee County, Florida and existing monumentation.

This survey prepared is a Topographic Survey for the purpose of locating the features within and adjacent to the Lehigh Acres Municipal Services Improvement District-managed facility South of Harrison Drive between Carolina Way and Virginia Avenue.

The elevations shown hereon are referenced to the North American Vertical Datum of 1988 (NAVD 1988). All elevations are reported in US survey feet and decimals thereof and are based upon the Florida Permanent Reference Network (FPRN) stations maintained by the Florida Department of Transportation.

The subject site lies within Zone "X" per FEMA insurance rate map 125124 0475F (Published 08/28/2008), therefore has no base flood elevation.

The FEMA flood zone information indicated hereon is based on the maps supplied by the Federal Government. This flood information must be verified with all permitting regulatory entities prior to commencing any work or application dependent on said flood information.

Underground improvements, utilities and/or foundations were not located unless otherwise noted. Wetlands, if any, were not located.

Subject to easements, restrictions, reservations, and rights-of-way (recorded and unrecorded, written and unwritten).

Last day of field work: 04/03/2026

TAYLOR J. HENNINGE
License Number
7279
STATE OF FLORIDA
Professional Surveyor and Mapper

Taylor Henninge 2026.04.14 09:46:44-04'00'

TAYLOR J. HENNINGE
PROFESSIONAL SURVEYOR AND MAPPER
FLORIDA CERTIFICATE NO. LS# 7279

Not valid without the signature and the original seal of a Florida licensed surveyor and mapper.

This survey is only for the lands as described. It is not a certificate of title, zoning, easements or freedom of encumbrances.

This survey was prepared without benefit of an abstract of title and all matters of title should be referred to an attorney at law.

This survey has been electronically signed and sealed by Taylor J. Henninge using a digital signature and date. Print copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Harrison Drive, Lehigh Acres

TOPOGRAPHIC SURVEY-PLAN VIEW

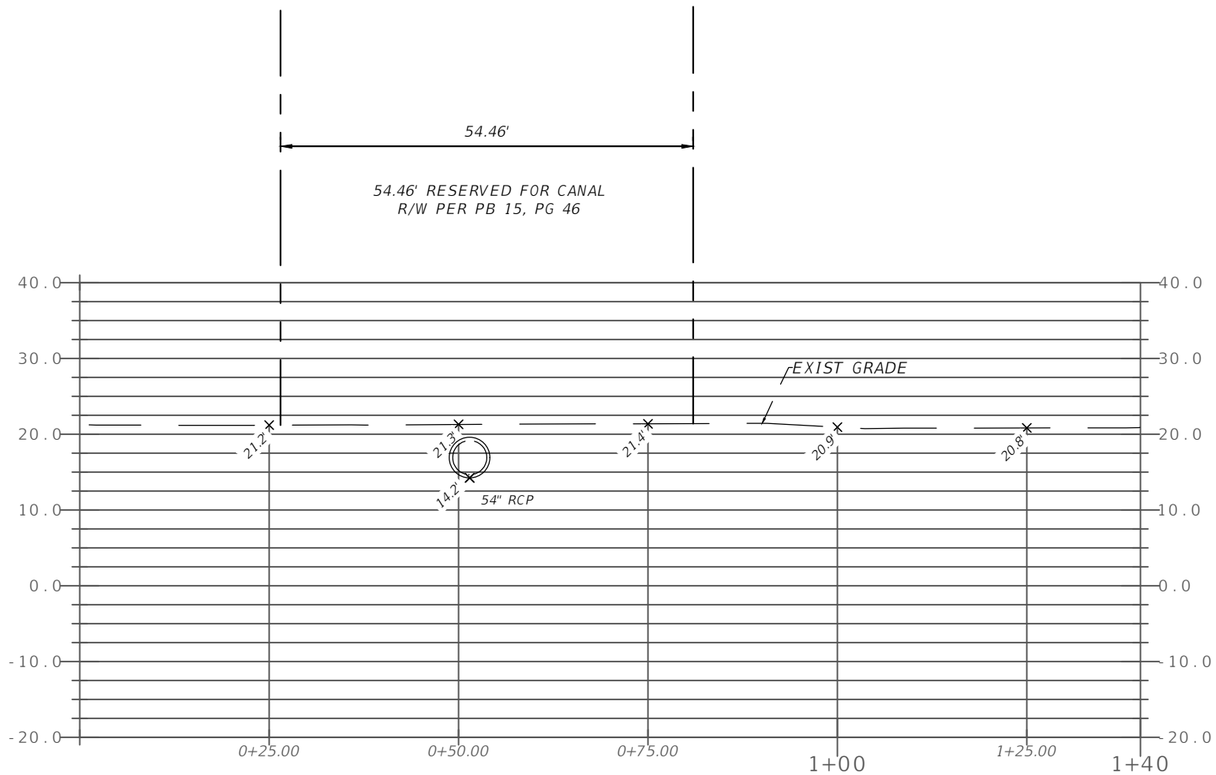
McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name:	Field book/page:	Project No.:
L077-400 Harrison Dr.dwg	106981-1/42	106980001-L077

Survey date:	Drawn by:	Checked by:	Sheet No.:
04/03/2026	KB	TJH	01 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L077-400 HARRISON DR\L077-400 Harrison Dr.dwg

Topographic Survey of a
Subject Project Site
Section 32, Township 44 South, Range 27 East
Lehigh Acres, Lee County, Florida



A-A Profile View
1" = 20' HORIZONTAL
1" = 20' VERTICAL

SEE SHEET 01 FOR LEGEND

Harrison Drive, Lehigh Acres

TOPOGRAPHIC SURVEY-PROFILE VIEW

McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name:	Field book/page:	Project No.:
L077-400 Harrison Dr.dwg	106981-1/42	106980001-L077

Survey date:	Drawn by:	Checked by:	Sheet No.:
04/03/2026	KB	TJH	02 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L077-400 HARRISON DR\L077-400 Harrison Dr.dwg

NOTE:

1. This Index applies to Two-Lane, Two-Way and Multilane Roadways, including Medians of divided roadways, with work on the shoulder.

2. L = Taper Length
   X = Work Zone Sign Spacing
   B = Buffer Length
   See Index 102-600 for "L", "X", "B", and channelizing device spacing values.

3. Where work activities are between 2' and 15' from the edge of traveled way, the Engineer may omit signs and channelizing devices for work operations 60 minutes or less.

4. When four or more work vehicles enter the through traffic lanes in a one hour period (excluding establishing and terminating the work area), use a flagger or lane closure to accommodate work vehicle ingress and egress.

5. For work less than 2' from the traveled way and work zone speed is greater than 45 MPH, use a lane closure.

6. The "Speeding Fines Doubled When Workers Present" signs (M0T-13-06) and "End Road Work" Signs (G20-2) along with the associated work zone sign spacing distances may be omitted when the work operation is in place for 24 hours or less.

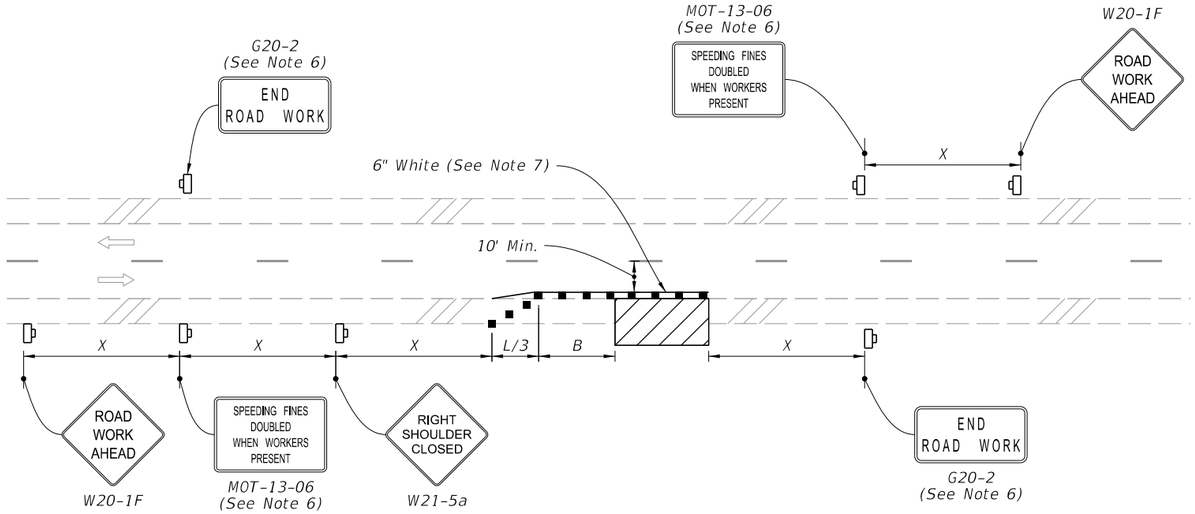
7. Temporary pavement markings may be omitted when the work operation is in place for 3 days or less.

8. Omit "Shoulder Closed" signs (W21-5a) along with associated work zone sign spacing distances for work on the median.

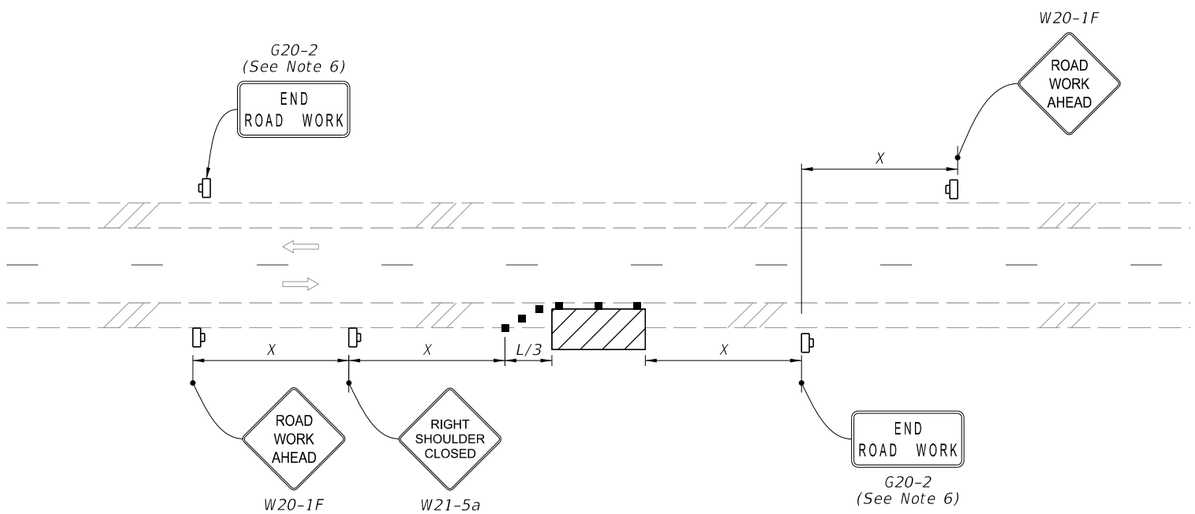
9. When there is no paved shoulder, the "Worker" sign (W21-1) may be used instead of the "Shoulder Closed" sign (W21-5a).

SYMBOLS:

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Lane Identification and Direction of Traffic



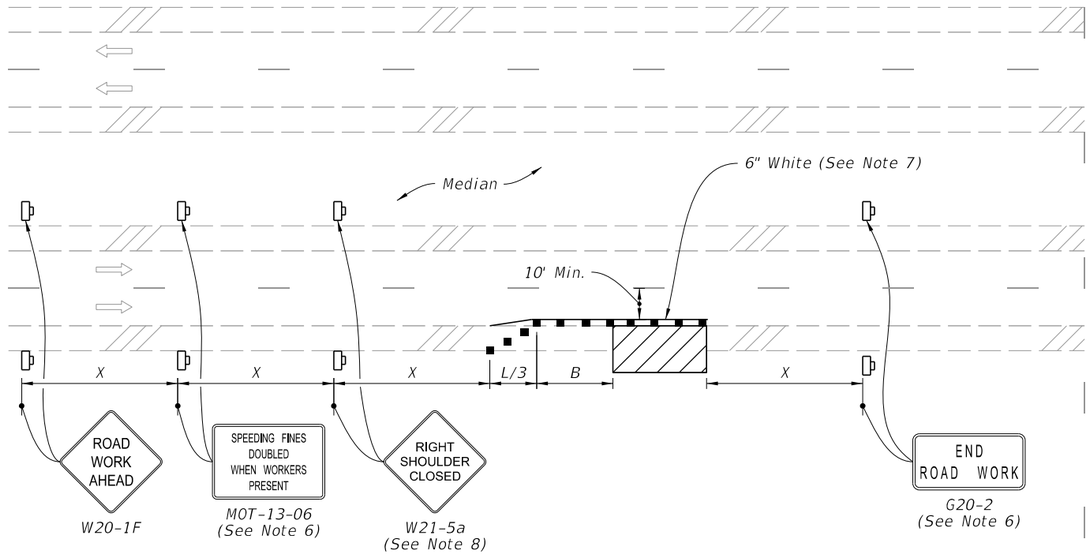
TWO-LANE ROADWAY
SHOULDER WORK LESS THAN 2' FROM THE TRAVELED WAY
WITH WORK ZONE SPEED OF 45 MPH OR LESS



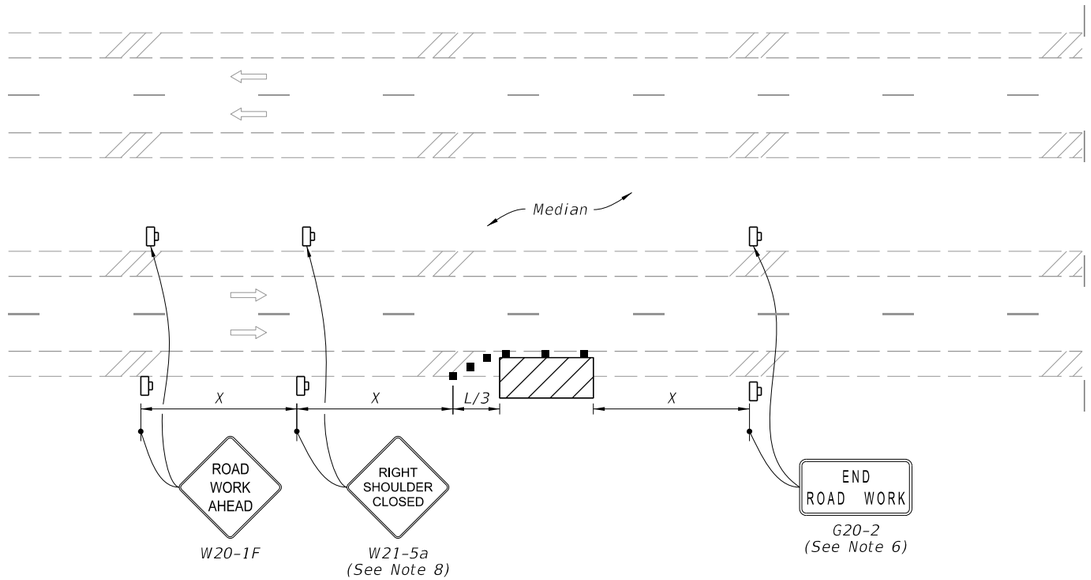
TWO-LANE ROADWAY
SHOULDER WORK BETWEEN 2' AND 15' FROM THE TRAVELED WAY

9/10/2024 10:45:37 AM

LAST REVISION	REVISION	DESCRIPTION:			INDEX	SHEET
11/01/21			FY 2025-26 STANDARD PLANS	TWO-LANE AND MULTILANE, WORK ON SHOULDER	102-602	1 of 2



MULTILANE ROADWAY
SHOULDER WORK LESS THAN 2' FROM THE TRAVELED WAY
WITH WORK ZONE SPEED OF 45 MPH OR LESS



SYMBOLS:

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Lane Identification and Direction of Traffic

MULTILANE ROADWAY
SHOULDER WORK BETWEEN 2' AND 15' FROM THE TRAVELED WAY

9/10/2024 10:45:44 AM

LAST REVISION	REVISION	DESCRIPTION:				
11/01/20			FDOT FY 2025-26 STANDARD PLANS	TWO-LANE AND MULTILANE, WORK ON SHOULDER	INDEX 102-602	SHEET 2 of 2

Topographic Survey of a Subject Project Site

lying within

Section 32, Township 44 South, Range 27 East

Lehigh Acres, Lee County, Florida

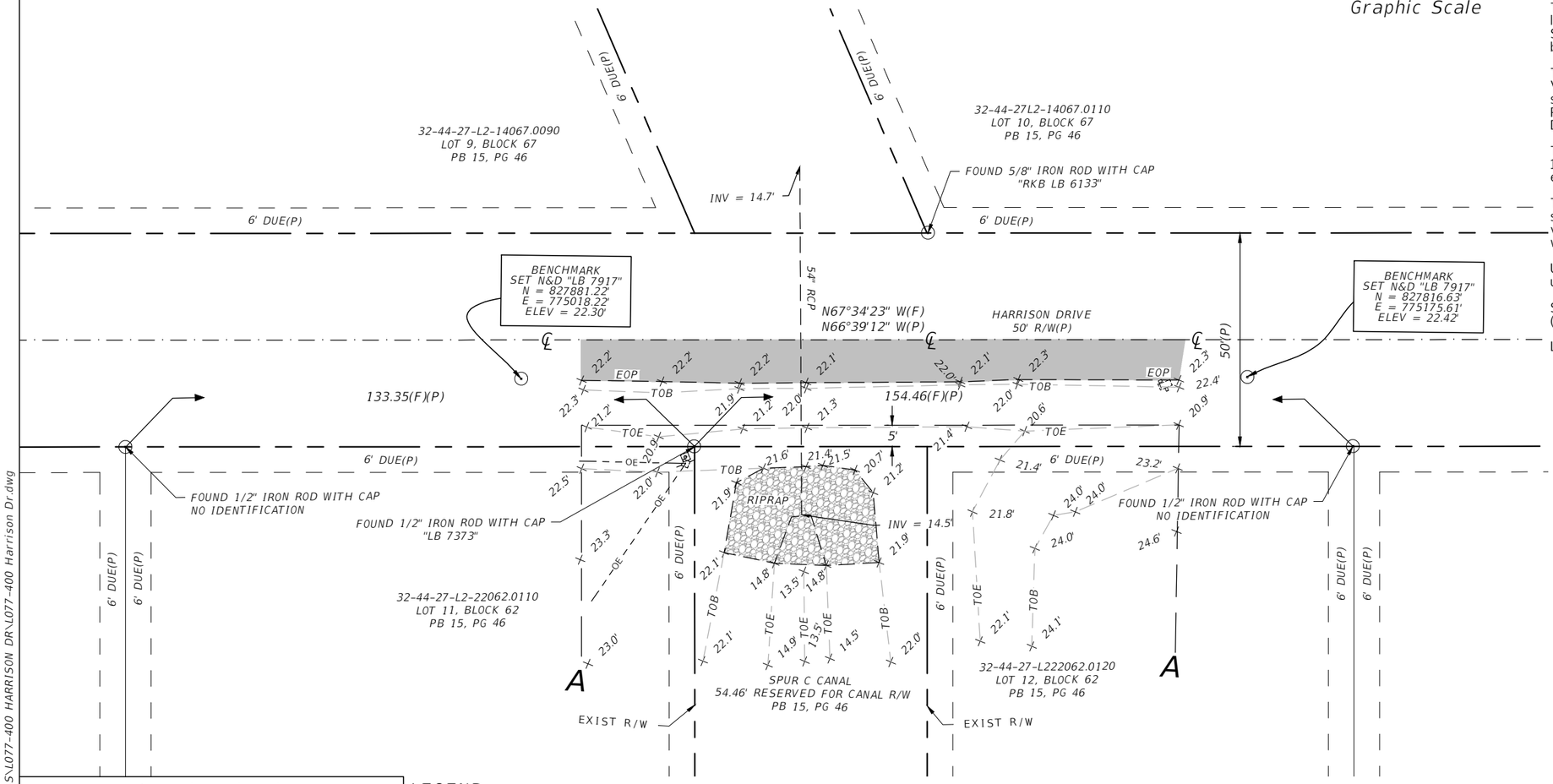
SEE SHEET 02 FOR 1" = 20'
SECTION A-A PROFILE VIEW

N

0 15' 30'

(1" = 30')

Graphic Scale



NOTES:

Survey based on the plat of Plat of Section 32 TWP. 44S RGE. 27E of Lehigh Acres as recorded in Plat Book 15 Page 46, Public Records of Lee County, Florida and existing monumentation.

This survey prepared is a Topographic Survey for the purpose of locating the features within and adjacent to the Lehigh Acres Municipal Services Improvement District-managed facility South of Harrison Drive between Carolina Way and Virginia Avenue.

The elevations shown hereon are referenced to the North American Vertical Datum of 1988 (NAVD 1988). All elevations are reported in US survey feet and decimals thereof and are based upon the Florida Permanent Reference Network (FPRN) stations maintained by the Florida Department of Transportation.

The subject site lies within Zone "X" per FEMA insurance rate map 125124 0475F (Published 08/28/2008), therefore has no base flood elevation.

The FEMA flood zone information indicated hereon is based on the maps supplied by the Federal Government. This flood information must be verified with all permitting regulatory entities prior to commencing any work or application dependent on said flood information.

Underground improvements, utilities and/or foundations were not located unless otherwise noted. Wetlands, if any, were not located.

Subject to easements, restrictions, reservations, and rights-of-way (recorded and unrecorded, written and unwritten).

Last day of field work: 04/03/2026

TAYLOR J. HENNINGE
License Number
7279
STATE OF FLORIDA
Professional Surveyor and Mapper

TAYLOR J. HENNINGE
PROFESSIONAL SURVEYOR AND MAPPER
FLORIDA CERTIFICATE NO. LS# 7279

Not valid without the signature and the original seal of a Florida licensed surveyor and mapper.

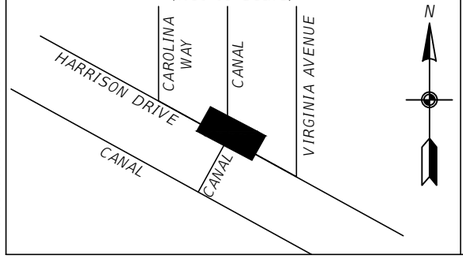
This survey is only for the lands as described. It is not a certificate of title, zoning, easements or freedom of encumbrances.

This survey was prepared without benefit of an abstract of title and all matters of title should be referred to an attorney at law.

This survey has been electronically signed and sealed by Taylor J. Henninge using a digital signature and date. Print copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Harrison Drive, Lehigh Acres

Location sketch
(Not to scale)



LEGEND:

(F)	= FIELD MEASURED	INV	= INVERT ELEVATION
(P)	= PER PLAT	N&D	= NAIL AND DISK
(C)	= CALCULATED	NAVD 88	= NORTH AMERICAN VERTICAL DATUM 1988
CB	= CATCH BASIN	OR	= OFFICIAL RECORDS BOOK
Δ	= DELTA ANGLE	PB	= PLAT BOOK
℄	= CENTER LINE	PG	= PAGE
CONC	= CONCRETE	R/W	= RIGHT OF WAY
CMP	= CORRUGATED METAL PIPE	RCP	= REINFORCED CONCRETE PIPE
CPP	= CORRUGATED PLASTIC PIPE	RNG	= RANGE
DUE	= DRAINAGE AND UTILITY EASEMENT	S/W	= SIDEWALK
ELEV	= ELEVATION	SEC	= SECTION
EOP	= EDGE OF PAVEMENT	TOB	= TOP OF BANK
EXIST	= EXISTING	TOE	= TOE OF SLOPE
FIRC	= FOUND IRON ROD AND CAP	TWP	= TOWNSHIP
INST#	= INSTRUMENT NUMBER	(TYP)	= TYPICAL

⊙ = FOUND MONUMENT
---OE--- = OVERHEAD UTILITY LINE
+20.0 = SPOT ELEVATION
= ELECTRICAL POLE
= TELEPHONE PEDESTAL

TOPOGRAPHIC SURVEY-PLAN VIEW

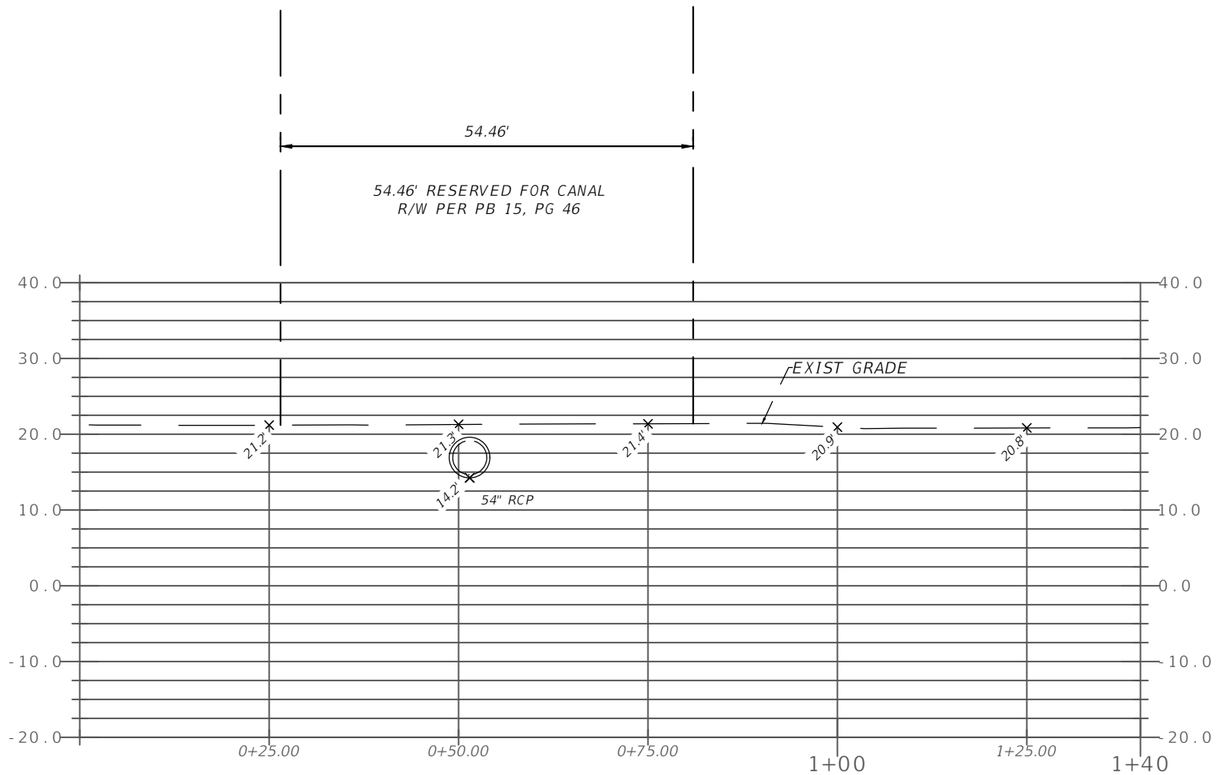
McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name:	Field book/page:	Project No.:
L077-400 Harrison Dr.dwg	106981-1/42	106980001-L077

Survey date:	Drawn by:	Checked by:	Sheet No.:
04/03/2026	KB	TJH	01 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L077-400 HARRISON DR\L077-400 Harrison Dr.dwg

Topographic Survey of a
Subject Project Site
Section 32, Township 44 South, Range 27 East
Lehigh Acres, Lee County, Florida



A-A Profile View
1" = 20' HORIZONTAL
1" = 20' VERTICAL

SEE SHEET 01 FOR LEGEND

Harrison Drive, Lehigh Acres

TOPOGRAPHIC SURVEY-PROFILE VIEW

McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name:	Field book/page:	Project No.:
L077-400 Harrison Dr.dwg	106981-1/42	106980001-L077

Survey date:	Drawn by:	Checked by:	Sheet No.:
04/03/2026	KB	TJH	02 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L077-400 HARRISON DR\L077-400 Harrison Dr.dwg

Petition to Vacate
Petition No:83-10
Description:Vacation of utility easement
Date of Approval:12/14/83
CCMB:139 Page:13

Petition to Vacate
Description:Vacation of part of plat
Date of Approval:05/13/64
CCMB:25 Page:48-48E-48G Incl

PLAT BOOK 15, PAGE 46

For Vacation of Part of Plat See C.C.M.B 25 Pg 48-48E to 48G Inclusive

Petition to Vacate
Petition: For vacation of part of plat
Date of Approval:05/13/64
CCMB:25 Page:48-48E to 48G



SCALE 1" = 200'

PLAT
OF
SECTION 32
TWP. 44 S RGE 27 E

A SUBDIVISION OF
LEHIGH ACRES
LEE COUNTY, FLA.
LEE COUNTY LAND & TITLE Co.
DEVELOPERS

MARCH 9, 1960

Petition to Vacate
Petition No:93-18
Description:Vac. of drainage & utility easements;See CCMB
Date of Approval:06/30/93
Resolution No:93-06-46
CCMB:1993R Page:498
Recorded on:06/30/93 OR Book:2407 Page:498

NOTE
DIMENSIONS, BEARINGS, LOT AND LAND LINES ON DRAWING OF LATEST DATE SHALL GOVERN.

Petition to Vacate
Petition No:93-36
Description:Utility Easement See CCMB
Date of Approval:09/29/93
Resolution No:93-09-81
CCMB:1993R Page:764-765
Recorded on:04/06/94 OR Book:2487 Page:4028-4056

PLAT OF

LEHIGH ACRES

LEE COUNTY, FLORIDA

LEE COUNTY LAND AND TITLE COMPANY

DEVELOPERS

ACKNOWLEDGEMENTS

KNOW ALL MEN BY THESE PRESENTS, THAT LEE COUNTY LAND AND TITLE COMPANY, A CORPORATION UNDER THE LAWS OF FLORIDA, BEING THE OWNER OF THE LAND DESCRIBED IN THE CAPTION HEREON HAS CAUSED THIS PLAT OF LEHIGH ACRES TO BE MADE AND DO HEREBY DEDICATE TO THE PERPETUAL USE OF THE PUBLIC STREETS, ROADS, DRIVES AND/OR LANES SHOWN HEREON AND ALL CANAL RIGHT OF WAYS SHALL BE DEDICATED TO THE EAST COUNTY WATER CONTROL DISTRICT.

IN WITNESS WHEREOF GERALD H. GOULD AND EDWARD SHAPIRO, RESPECTIVELY PRESIDENT AND SECRETARY OF LEE COUNTY LAND AND TITLE COMPANY, BY AND WITH AUTHORITY OF IT'S BOARD OF DIRECTORS HAVE EXECUTED THESE PRESENTS FOR AND ON BEHALF OF SAID CORPORATION AND CAUSED IT'S CORPORATE SEAL TO BE AFFIXED THIS 10th DAY OF April A.D. 1961

LEE COUNTY LAND AND TITLE CO.

BY Gerald H. Gould
President

ATTEST Edward Shapiro
Secretary

STATE OF FLORIDA
COUNTY OF LEE

I HEREBY CERTIFY THAT ON THIS DAY, BEFORE ME AN OFFICER DULY AUTHORIZED TO TAKE ACKNOWLEDGEMENTS, PERSONALLY APPEARED GERALD H. GOULD AND EDWARD SHAPIRO, RESPECTIVELY PRESIDENT AND SECRETARY OF LEE COUNTY LAND AND TITLE COMPANY, TO ME KNOWN TO BE THE PERSONS DESCRIBED IN AND WHO EXECUTED THE FOREGOING DEDICATION AS PRESIDENT AND SECRETARY RESPECTIVELY OF LEE COUNTY LAND AND TITLE COMPANY FOR THE PURPOSES THEREIN SET FORTH.

WITNESS MY HAND AND OFFICIAL SEAL AT FORT MYERS, SAID COUNTY AND STATE THIS 10th DAY OF April A.D 1961

Jean Welchler
NOTARY PUBLIC STATE OF FLORIDA AT LARGE
My Commission Expires July 19, 1964

APPROVALS

THIS PLAT APPROVED THIS 12 DAY OF April A.D. 1961 IN OPEN MEETING OF THE BOARD OF COUNTY COMMISSIONERS OF LEE COUNTY, FLORIDA.

APPROVED Gloria S. Hunter
Chairman

D. L. Farahee
Clerk

County Attorney

Stacy Bruce
County Road Superintendent

260798

I HEREBY CERTIFY THAT THIS PLAT OF LEHIGH ACRES, HAS BEEN EXAMINED BY ME AND FROM MY EXAMINATION I FIND THAT SAID PLAT COMPLIES IN FORM WITH THE REQUIREMENTS OF SURVEY LAWS OF FLORIDA.

I FURTHER CERTIFY THAT SAID PLAT WAS FILED FOR RECORD AT FORT MYERS THIS 13 DAY OF April A.D. 1961, AND DULY RECORDED IN PLAT BOOK 15 ON PAGES 1-101 OF PUBLIC RECORDS OF LEE COUNTY, FLORIDA.

D. L. Farahee
Clerk Of The Circuit Court In And For Lee County

SURVEYORS CERTIFICATE

I THE UNDERSIGNED CERTIFY THAT THE PLAT AS SHOWN IS A CORRECT REPRESENTATION OF THE LANDS PLATTED.

R. V. Jamme

PLAT OF

LEHIGH ACRES

LEE COUNTY, FLORIDA

LEE COUNTY LAND AND TITLE COMPANY

DEVELOPERS

DESCRIPTION

TOWNSHIP 43 SOUTH, RANGE 27 EAST

The Southeast 1/4 of Section 36

TOWNSHIP 44 SOUTH, RANGE 27 EAST

The South 1/2 and the North 1/2 of the North 1/2 of Section 1; the East 1/2 and the East 1/2 of the Northwest 1/4 and the Southwest 1/4 of the Northwest 1/4 of Section 2; the South 1/2 of Section 7, 8 and 9; all of Sections 11 through 21 inclusively and all of Sections 23 through 28 inclusively; all of Section 29 except that part lying South of the South Right of Way of Able Canal; all of Sections 35 and 36 inclusively; all of Section 32 except the following: Units 1, 2 and 3 of Section 32 as recorded on pages 124, 125 and 126 of Plat Book 9. Units 4, 5, 7, 10, 11 and 18 of Section 32 as recorded on Pages 50 through 55 inclusively of Plat Book 12. Unit 20 of Section 32 as recorded on Pages 86 through 89 inclusively of Plat Book 10. Part of Unit 3 as recorded on Page 23 of Plat Book 12. Addition to Unit 20 as recorded on Pages 36 and 37 of Plat Book 13 all of the Public Records of Lee County, and all of section 33 except the following: Units 4 and 10 of Section 33 as recorded on Page 52 of Plat Book 12. Unit 5 of Section 33 as recorded on Page 29 of Plat Book 12. Bear Lake Subdivision as recorded on Pages 38 and 39 of Plat Book 13. Replat of Lots 1 through 6, Block 4e, Section 33, Township 44 South, Range 27 East as recorded on Page 84 of Plat Book 12 all of the Public Records of Lee County and that part of Section 34 described as Follows; Beginning at the Northwest Corner of Section 34, Township 44 South, Range 27 East go North 89°-12'-26" East, 1919.76 feet; thence South 00° 06'-48" East, 1468.91 feet; thence South 89°-12'-26" West, 1919.76 feet; thence North 00°-06'-48" West, 1468.91 feet to the Point of beginning; and that part of section 34, Twp. 44 S., Rge 27 E., described as follows: commencing at the Southwest corner of Section 34; thence North 00°-06'-48" West along the West line of said Section 1403.40 feet to the Northerly right of way line of Joel Boulevard; thence North 88°-58'-52" East along said Northerly right of way 15.80 feet to the P.C. of a curve; thence Northeasterly on a tangential curve to the left, with a radius of 676.18 feet, a distance of 400.21 feet, to the P.T. of said curve, thence North 55°-05'-58" East, continuing along said Northerly right of way of Joel Boulevard, 1012.50 feet to the Southwesterly right of way of David Avenue, said point also being the actual point of beginning of the tract of land to be described; thence North 34°-54'-02" West along said southwesterly right of way line 1610 feet; thence North 55°-05'-58" East, a distance of 200 feet; thence South 34°-54'-02" East, a distance of 90 feet; thence North 55°-05'-58" East, a distance of 175 feet; thence North 87° 55'-40" East, a distance of 184.45 feet; thence South 34°-54'-02" East, a distance of 185 feet; thence South 55°-05'-58" West, a distance of 280 feet; thence South 34°-54'-02" East, a distance of 375 feet; thence South 55°-05'-58" West, a distance of 200 feet; thence South 34°-54'-02" East, a distance of 860 feet; thence South 55°-05'-58" West, a distance of 50 feet, to the actual Point of Beginning; and all of Section 22 lying West of the West right of way line of Gerald Avenue as shown on the Plat of a Subdivision of Part of Lehigh Acres recorded on Pages 50 through 55 inclusively of Plat Book 12 of the Public Records of Lee County, Florida.

TOWNSHIP 44 SOUTH, RANGE 26 EAST

All of Sections 1, 2, 11, 12, 13, 23, 24, 26, 27, 32, 33, 34, 35, and 36; and the South 1/2 of Sections 29 and 30; and the South 100 feet of the North 1/2 of Section 30; and the East 1/2 of Section 14; the South 1/2, and that part of the North 1/2 of Section 28, lying East of Buckingham Road; all of Block E, Lot 1, Block 38 of Buckingham Park, south section as recorded in Plat Book 9, Page 99 of the Public Records of Lee County, Florida, and all that part of Section 22 lying South and West of the southerly right of way of Homestead Road, except Lots 1 through 7 inclusively, Block 37 of Buckingham Park south section as recorded in Plat Book 9, Page 99 of the Public Records of Lee County, Florida; and that part of Section 31, lying North of the Northerly right of way of State Road 82; and all of Section 25 except Units 3 and 6 and Units 11 and 12 as recorded in Plat Book 13, Pages 21, 22 and 23 of the Public Records of Lee County, Florida.

TOWNSHIP 45 SOUTH, RANGE 26 EAST

All of Sections 1, 2, 3 and 12, all of that part of sections 4, 5, 6, 9, 10, 11, 13 and 14 lying North of the Northerly right of way of State Road 82.

PART IV #26-92

Recommended Action

Engineering Review:

By: _____6/16/2026 **Approved _X_ Denied __**

District Field Review:

By: _____ Approved ___ Denied ___

District Manager: _____ Date: _____

Comments:

The referenced permit application submitted by Lumos Fiber of Florida, LLC for a subaqueous crossing Spur C Canal (47-32-2) at 400 Harrison Dr., in Lehigh Acres, has been reviewed and is recommended for approved with the following stipulations:

1. On sheet 7, remove dimensions of 17.5' and 17.7' for plan clarification to avoid construction site mistakes

2. On sheet 11, the culvert crossing detail specifies 24" minimum offset from culvert, should be 120" or 10'. Please revise or remove.

3. Permanent above-ground cable markers must be placed at the canal right-of-way (R/W) line on each side of the crossing.

4. Any disturbed canal R/W must be restored with sod and maintained until fully established. Seeding will not be permitted.

5. Within 30 days of completing the improvements, provide LA-MSID with a copy of the survey record drawings indicating the location and elevation of utilities within the canal R/W.

6. The permittee will be responsible for any necessary repairs, alterations, or relocation of the utility if required for future maintenance or repairs of the canal.

7. Lee County DOT must review and approve any utility work proposed within the County Road R/W.

LEHIGH ACRES - MUNICIPAL SERVICES IMPROVEMENT DISTRICT
PERMIT

THIS PERMIT is granted this 20th day of July, 2026, by Lehigh Acres Municipal Services Improvement District (hereinafter referred to as "DISTRICT"), 601 East County Lane, Lehigh Acres, Florida 33936, to Lumos Fiber of Florida, LLC, 4100 Mendenhall Oaks Parkway, Suite 300, High Point, NC 27265, hereinafter referred to as the "Permittee") as a non-exclusive permit for a directional bore under Spur "C" Canal (47-32-2), along the south side of Lincoln Blvd., between Carolina Way & Virginia Ave., in Lehigh Acres, FL.

W I T N E S S E T H:

1. In the event the DISTRICT is not the fee title owner of the real property (the "Property") to which this Permit is applicable, the Permittee agrees, prior to commencement, to obtain all necessary consents from the fee title owners of the Property.

2. This Permit does not constitute a waiver of the necessity by the Permittee to obtain such other necessary and appropriate permits required by other governmental bodies or agencies; therefore the Permittee, prior to commencement, is required to obtain any and all other applicable federal, state, and local permits required in connection with Permittee's use of the Property and agrees that at all times it will comply with the requirements of all federal, state and local laws, ordinances, rules and regulations applicable or pertaining to the use of the Property by the Permittee.

3. Permittee understands and agrees that the use of the Property pursuant to this Permit is subordinate to the rights and interests of the DISTRICT and to the extent applicable that of the fee title owner of the Property. Further, Permittee does hereby stipulate that the Permittee is not relying upon any representations whatsoever by the DISTRICT regarding the DISTRICT'S right, title, interest, or ownership as to the Property for which this Permit is applicable.

4. The Permittee, by accepting this permit, specifically agrees to allow authorized District Personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:
    a. Having access to and copying any records that must be kept under the conditions of the permit:
    b. Reviewing the facility, equipment, practices, or operations regulated or required under this permit; and
    c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or District rules.

5. The DISTRICT specifically reserves the right to maintain its facilities located over, under or upon the Property; to make improvements; add additional facilities; maintain, construct or alter its roads; maintain any facilities, devices, or improvements on the Property which aid in or are necessary to the DISTRICT'S operation; and the right to enter upon the Property at all times for such purposes. Permittee understands that in the exercise of such rights and interest, the DISTRICT may require Permittee, at no cost to DISTRICT, to relocate, alter, or remove the Permittee's facilities and equipment or other improvements made by Permittee pursuant to this Permit which interfere with or prevent the DISTRICT, in the DISTRICT'S opinion, from properly and faithfully constructing, improving and maintaining its facilities. If the Permittee should fail to relocate, alter, or remove the Permittee's facilities, equipment or other improvements made by the Permittee pursuant to this Permit within a reasonable time period following receipt of notice from the DISTRICT requesting same, then in that event the DISTRICT shall have the right to enter upon the lands and make such relocation, alterations or removal of the Permittee's facilities, equipment/or other improvements at no cost to DISTRICT.

6. Permittee agrees that it will not use the Property in any manner which interferes with the DISTRICT'S

use of the Property or causes a hazardous condition to exist.

7. The DISTRICT assumes no responsibility for the ownership, operation and/or maintenance of the Permittee's facilities as permitted herein.

8. The Permittee agrees to backfill any excavation it makes within the Property and to repair or replace (i) any below-grade authorized facilities and features located therein, including but not limited to: water, sewer, stormwater or irrigation facilities, structures or appurtenances and (ii) as to at or above-grade facilities and features, this requirement shall only be applicable to grasses and sod, sidewalks, and roadway improvements (the term roadway improvements shall include but not be limited to curbing, roadway base, sub grade and asphaltic or concrete surfaces) which are removed or damaged as a direct result of said excavation. Such repair or replacement shall substantially restore these features to their condition as it existed immediately prior to the event precipitating the excavation.

9. All below-grade Permittee installations, including water and sewer lines, whether sub aqueous or not, together with appurtenant facilities, shall be located underground and have a minimum ground cover of thirty inches (30") below original design profile grade, including District waterways and roadways.

10. All Permittee activity related to sub aqueous utility, water and/or sewer lines, including appurtenant facilities, shall be conducted in such fashion that the primary functional purpose of the canal or lake body facility, specifically flood control, within which the activity is taking place is not adversely affected. More specifically, sub aqueous construction shall conform to the criteria given in the Lehigh Acres Municipal Services Improvement District (Lehigh Acres – MSID) Administrative Policy and Procedures.

11. Permittee shall, at no expense to DISTRICT and within a reasonable time following notice, adjust the positions and elevations of its facilities as may be required in connection with future improvements to, or construction of, works of the DISTRICT.

12. Permittee does hereby indemnify and hold harmless the DISTRICT, its Board of Commissioners, officers, personnel, and it's Engineers against any claims, losses, damages (including consequential), expenses, or legal fees that might arise out or result from the implementation of the proposed project by the Permittee or that may be caused by a failure of DISTRICT facilities or property.

13. The Permittee shall be obligated at the time of submission of its Permit application, to provide a detail of any other existing improvements located over, under, upon or through the Property and the Permittee's accompanying plans and specifications shall clearly indicate how the Permittee will comply with required clearances between the requested permitted activity and existing improvements located over, under and upon the Property, including compliance with other permitted users duly adopted and published standards.

14. Permittee shall reimburse the DISTRICT for its legal, engineering and other expenses incurred as a result of the implementation of the proposed project.

15. If Permittee should violate any of the terms or conditions of the Permit and shall not correct or remedy same within ten (10) days of receiving written notice of said violation from the DISTRICT, then in that event, the DISTRICT may, at its option, revoke, cancel and terminate this Permit.

16. This Permit may not be assigned by the Permittee without the prior written approval of the DISTRICT.

17. Unless otherwise adjusted, modified or terminated as set forth hereinabove, including the Conditions attached hereto, this Permit shall continue in full force and effect so long as Permittee complies with the

terms of this Permit.

18. In any litigation, including breach, enforcement or interpretation arising out of this Permit, the prevailing party to this Permit shall be entitled to recover reasonable attorney's fees, costs and expenses related to said action from the non-prevailing party.

19. That attached hereto are Supplemental Conditions to this Permit which are incorporated herein and made a part hereof.

LEHIGH ACRES – MUNICIPAL SERVICES IMPROVEMENT DISTRICT

BY: _____

NAME TYPED: David E. Lindsay

TITLE: District Manager

SUPPLEMENTAL CONDITIONS TO PERMIT NO. 26-93

A. GENERAL CONDITIONS

1. Notification shall be given by the Permittee to the District Engineer, AIM Engineering, at 239-332-4569 forty-eight (48) hours prior to commencement of the permitted activity. The District Engineer shall establish points of construction, if applicable, which will require inspection by the District Engineer prior to construction of the permitted activity. When the Permittee considers the permitted activity complete, the Permittee shall notify the District Engineer and schedule an on-site final inspection which shall be held in the presence of a representative of the Permittee and the District Engineer.

2. The permitted activity shall be implemented, constructed and/or installed in full accordance with the approved plans and specifications within six (6) full calendar years from the date of permit approval. Deviations from the approved plans or specifications shall be coordinated with and approved by the District Engineer prior to implementation of any such deviation.

3. When working in a District road right-of-way, not more than one-half (½) of the road or street shall be closed and traffic shall be controlled so as to provide for the safety and minimum hindrance to the public. All traffic control operations shall conform to the most current issue of the Florida Department of Transportation publication "Manual on Traffic Controls and safe Practices for Street and Highway Construction, Maintenance and Utility Operations."

4. The District Engineer shall be the final authority as to the quality and quantity of the material and works required to satisfy the terms and conditions of this Permit as they relate to District improvements and facilities.

5. Upon completion of the permitted activity and after its final review and acceptance by the District Engineer THE PERMITTEE SHALL DELIVER TO THE DISTRICT OFFICE ONE COMPLETE SET OF THE FINAL "RECORD DRAWINGS." FAILURE TO PROVIDE THE FINAL RECORD DRAWINGS MAY RESULT IN THE REVOCATION, CANCELLATION AND TERMINATION OF THIS PERMIT.

6. The above Conditions shall be continuing obligations of the Permittee and shall be complied with in the event of any subsequent maintenance, repair, replacement or modification of the permitted improvement.

Stipulations:

1). Permit #26-93 is approved according to the plans submitted May 28th, 2026.

2). The proposed directional bore must maintain a minimum clearance of 10 feet below the bottom elevation of the canal for the entire 50' within the canal right of way.

3). Permanent utility markers, (at least 4' high) with the utility companies contact information clearly labeled on it, must be installed at each canal right of way line over top the proposed line.

4). All guy wires, poles, pull boxes, etc. must be located outside of the canal right of way and not interfere with the District's canal maintenance activities.

5). All canal R/W that is disturbed must be restored with sod and maintained until well established (no seeding will be allowed).

6). Boring contractor is not allowed to pump water out of the LAMSID canals for their boring operations unless they apply for and receive a water use permit from LAMSID.

7). The Permittee will be responsible for any repairs, alterations, or relocation of the utility if required for repairs or maintenance of the canal in the future.

8). Provide LAMSID with a copy of your record drawings and a copy of your bore depth logs showing where your utilities are located within the canal R/W and at what elevation they are located, within 30 days following completion of the improvements.

9). Lee County DOT must review and approve the utility work that is outside of the canal right of way along Lincoln Blvd.

05-28-26
26-93

APPLICATION FOR A PERMIT

*Note: The review of permit applications will be conducted per the Lehigh Acres Municipal Services Improvement District's Administrative Policy and Procedures

AGENT NAME: WILLIAM KIEFER **PHONE #:** (515) 306 - 3403

PROJECT NAME: LE1_016_FDH_04 401 LINCOLN BLVD - SPUR C CANAL 47-32-2

TOTAL ACREAGE: N/A

Property Address (STRAP associated with this address will be used as the primary STRAP for this project): 401 LINCOLN BLVD					
Mailing Address:	N/A				
City:	LEHIGH ACRES	**State:**	FLORIDA	**Zip:**	33936

STRAP NUMBERS (*attach additional sheet if necessary*):

32-44-27-L2-14067-0010

Brief description of proposed project:

Application for: DIRECTIONAL BORE 2x1.25" HDPE SDR 11 CONDUIT 50' IN THE LAMSID ROW OF SPUR C CANAL 47-32-2 ALONG LINCOLN BLVD

RECEIVED
JUN 18 2026
LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

Is the project proposed to be developed in phases? ☐ Yes ☑ No

Estimated # of Phases:	1
*Permit Fee:	$1500.00 (to be verified by staff)

* See Administrative Policy and Procedures Sections 4.15 – 4.17 for current Permit Fee Amount.

PART II

OWNER/APPLICANT/ DEVELOPER INFORMATION

A.

Name of Applicant	LUMOS FIBER OF FLORIDA, LLC					
Mailing Address:	Street:	4100 MENDENHALL OAKS PKWY, SUITE 300				
City:	HIGH POINT	State:	NORTH CAROLINA		Zip:	27265
Phone No.	Area Code:	515	Number:	306 - 3403	Ext.	
Fax No.	Area Code:		Number:	-		
E-mail Address:	WILLIAM.KIEFER@LUMOSFIBER.COM					

B. Relationship of applicant to property*:

Owner* ☐ Trustee* ☐ Option holder* ☐ Lessee* ☐

Contract Purchaser* ☐ Other (indicate)* ☑ UTILITY

C.

Name of Developer:	MILENIUM DIRECTIONAL DRILLING, INC					
Mailing Address:	Street:	5395 COGSWELL DR				
	WAYNE	State:	MI		Zip:	48184
	Area Code:	(313)	Number:	326 - 2333	Ext.	
Fax No.	Area Code:	( )	Number:	-		
E-mail Address:	FELECAND@MILENIUMBORS.COM					

D.

Name of Authorized Agent(s):	CENTILLION SOLUTIONS						
Mailing Address:	Street:	6030 BETHELVIEW RD, SUITE 301					
City:	CUMMING	State:	GEORGIA		Zip:	30040	
Phone No.	Area Code:	(480)	Number:	442 - 0562	Ext.		
Fax No.	Area Code:	( )	Number:	-			
E-mail Address:	KYLE.PARKEY@CENTILLIONSOLUTIONS.COM						

E.

Name of Property owner:	N/A						
Mailing Address:	Street:						
City:		State:			Zip:		
Phone No.	Area Code:	( )	Number:	-	Ext.		
Fax No.	Area Code:	( )	Number:	-			
E-mail Address:							

*A disclosure of the name of all persons or entities having an ownership interest in the property is required (attached).

PART III

DISCLOSURE OF OWNERSHIP INTEREST FORM FORM:

PRIMARY STRAP NUMBER:

1. If the property is owned in the fee simple by an **INDIVIDUAL**, tenancy by the entirety, tenancy in common, or joint tenancy, list all parties with an ownership interest as well as the percentage of such interest.

Name and Address	Percentage of Ownership

2. If the property is owned by a **CORPORATION**, list the officers and stockholders and the percentage of stock owned by each.

Name, Address, Office	Percentage of Stock

3. If the property is in the name of a **TRUSTEE**, list the beneficiaries of the trust with percentages of interest.

Name and Address	Percentage of Interest

4. If the property is in the name of a **GENERAL PARTNERSHIP OR LIMITED PARTNERSHIP**, list the names of general and limited partners.

Name and Address	Percentage of Interest

5. If there is a **CONTACT FOR PURCHASE**, whether contingent on this application Or not, and whether a Corporation, Trustee, or Partnership, list the names of the contract purchasers below, including the officers, stockholders, beneficiaries, or partners.

Name and Address	Percentage of Interest

Date of Contract (mm/dd/yy): / /

6. If any contingency clause or contract terms involve additional parties, list all individuals or officers, if a corporation, partnership, or trust.

Name and Address	Percentage of Interest

For any changes of ownership of changes in contracts for purchase subsequent to the date of the application, but prior to the date of final certificate for compliance, a supplemental disclosure of interest must be filed.

The above is a full disclosure of all parties of interest in this application, to the best of my knowledge and belief.

William Kiefer
SIGNATURE OF APPLICANT

WILLIAM KIEFER
PRINTED OR TYPED NAME OF APPLICANT

STATE OF FLORIDA
COUNTY OF LEE

The foregoing instrument was acknowledged before me this 17th day of June (m), 2026 (y), by William Kiefer who is personally know to me or has produced _____ as identification.

Shandie N Bradshaw
SIGNATURE OF NOTARY PUBLIC

Shandie N Bradshaw
PRINTED NAME OF NOTARY PUBL

SHANDIE NICOLE BRADSHAW NOTARY PUBLIC REG. #7132142 MY COMMISSION EXPIRES August 31, 2026 COMMONWEALTH OF VIRGINIA

PART IV

EXPLANATION

All Permit Application sections must be completed and submitted.

Permit Application fees and submittal items (see Part VI) must be submitted with the application.

Any and all work involving the lands and/or facilities of the District shall not commence without a Board approved permit.

All set policies, procedures, technical requirements, and fee schedules can be found and reviewed in the 'Administrative Policy and Procedures Guide'. The Guide is available at the District Office located at 601 East County Lane, Lehigh Acres, FL or online at la-msid.com/.

PART V

PROFESSIONAL CONSULTANT FORM

ATTORNEY

Name:							
Mailing Address:							
City:		**State:**				**Zip:**	
Business No.	**Area Code:**	( )	**Number:**	-		**Ext.**	
Other Contact:							

ENGINEER

Name:	MCKIM & CREED						
Mailing Address:	5701 DIVISION DR, STE A						
City:	FORT MYERS	**State:**		FLORIDA		**Zip:**	33905
Business No.	**Area Code:**	(239)	**Number:**	980 -	3384	**Ext.**	
Other Contact:							

OTHER REPRESENTATIVE/PROFESSIONAL

Name:	BLAIR CONSULTING SERVICES, INC						
Mailing Address:	1428 SUNBLUSH LN						
City:	LAS VEGAS	**State:**		NV		**Zip:**	89117
Business No.	**Area Code:**	(813)	**Number:**	579 -	0128	**Ext.**	
Other Contact:							

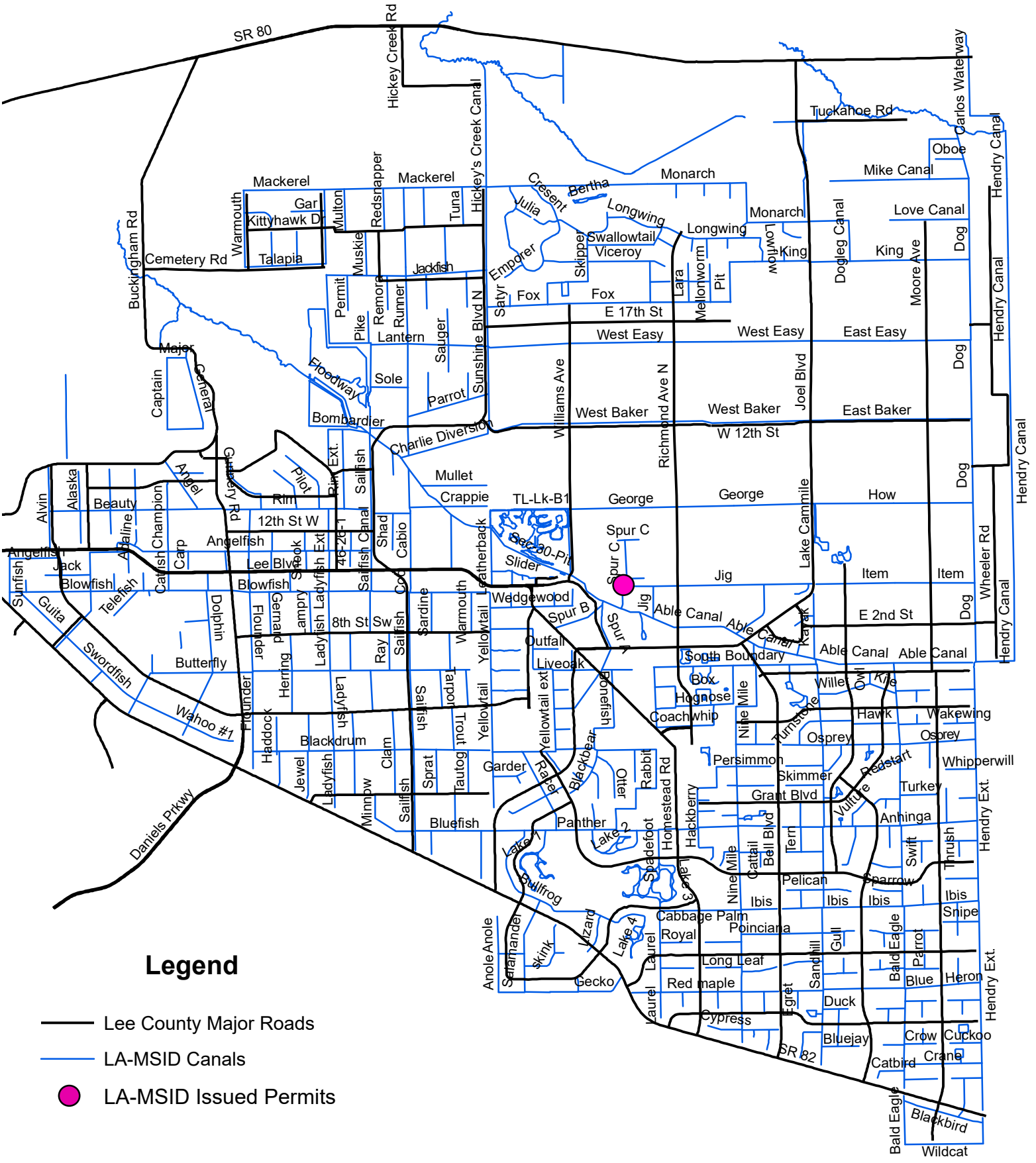
PART VI

SUBMITTALS

NO. OF COPIES		SUBMITTAL DOCUMENT
SUB'D	REQ'D	
		ITEMS REQUIRED FOR INITIAL SUBMITTAL
2	2	**Construction/Development Plans** signed and sealed by a Licensed Florida Professional Engineer including: 1. Location map showing the location of the proposed project in relation to adjacent streets and LA-MSID facilities. 2. Details of proposed works that fully communicate the work and/or use desired (i.e. Existing Conditions Survey, Proposed Site Plan, Paving Grading & Drainage Plan, Cross Sections, Element Details, and Erosion Control Plan sheets). 3. Sufficient survey data to determine elevations, property and ROW lines, limits of existing and proposed conditions, and notation of utilized vertical datum (NAVD/NGVD).
NA	2	**Stormwater Drainage Calculations** signed and sealed by a Licensed Florida Professional Engineer including, but not limited to, computer stormwater routing modeling data (ICPR4, Cascade, etc.) to verify compliance with the Design Criteria (input summary data below): **Water Quality Volume (Required):** _____(ACRE-FT) **Water Quality Volume (Provided):** _____(ACRE-FT) **Control Elevation:** _____(FT-NGVD) **Minimum Road/Parking Elevation:** _____(FT-NGVD) *(above the 10-year, 1-day design storm peak stage elevation)* **Minimum Perimeter Berm Elevation:** _____(FT-NGVD) *(above the 25-year, 3-day design storm peak stage elevation)* **Minimum Finished Floor Elevation:** _____(FT-NGVD) *(above the 100-year, 3-day design storm peak stage elevation and previously experienced high-water levels external to project)*
2	2	**Flash Drive / CD** containing plans in both AutoCAD (.dwg file drawn in "State Plane Coordinates") and PDF formats.
2	2	**Permit Application** (PARTS I & II)
2	2	**Disclosure of Owner Form (signed and notarized)** (PART III)
2	2	**Professional Consultant Form & Submittals** (PARTS V & VI)
NA	2	**Copy of Approved FDEP Notice of Intent (NOI)** for all sites one (1) acre and greater in size.
NA	2	**Copy of approved SWFMD permit**, for all sites required to get a permit, **or FDEP "10/2 Self-Certification"** approval.
1	1	**Check for appropriate Permit Fees** made out to LA-MSID.

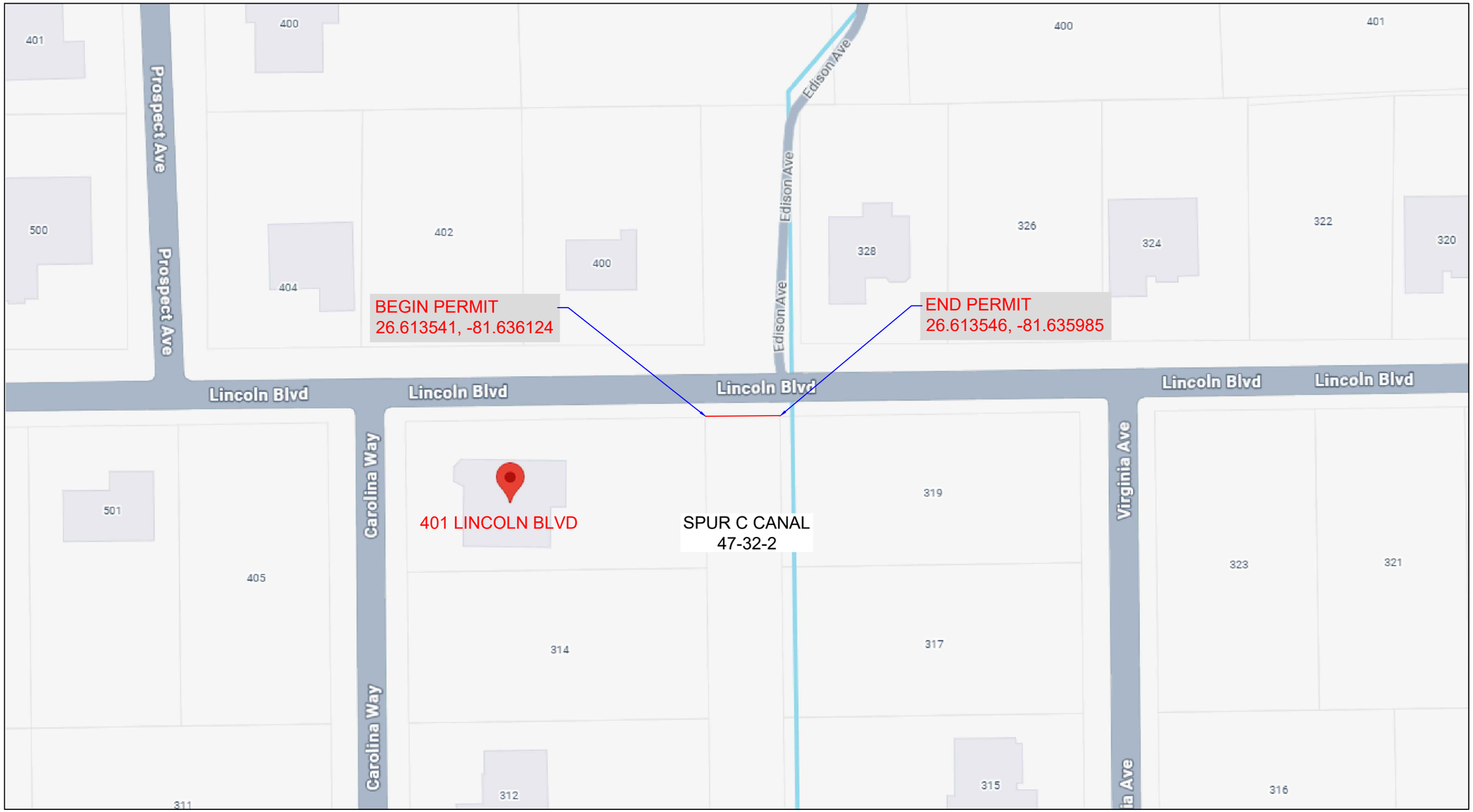
Lehigh Acres Municipal Services Improvement District
♦601 East County Lane ♦Lehigh Acres, FL 33936 ♦Phone: (239) 368-0044

Permit # 2026-93



LE1_016_FDH_04 - LEHIGH ACRES_LEE COUNTY_FLORIDA - SPUR C CANAL

401 LINCOLN BLVD, LEHIGH ACRES, FL 33936 (26.613557, -81.636055)



PERMIT #:

PROJECT DESCRIPTION

- BURIED PLACEMENT OF 230' OF (2) 1.25" HDPE SDR 11 CONDUIT EQUIPPED WITH (1) 48-CT FIBER OPTIC CABLE. (0) PROPOSED HANDHOLES.
- PIPE TO BE INSTALLED BY MEANS OF HORIZONTAL DIRECTIONAL DRILLING AND HAND DIGGING METHODS.
- ALL AREAS DISTURBED BY INSTALLATION TO BE RESTORED TO EXISTING OR BETTER CONDITION.

DRAWING INDEX

SHEET NUMBER	SHEET TITLE	SHEET NUMBER	SHEET TITLE
1	COVER SHEET	7	PROFILE VIEW
2	SOW AND CONTACTS	8 - 9	IMAGES
3	LEGEND	10 - 12	TYPICALS
4 - 5	GENERAL NOTES		
6	PROJECT SHEETS		

PERMITTING AGENCY
LA - MSID

lumos

BLAIR CONSULTING SERVICES, Inc.
1428 SUNBLUSH LN
LAS VEGAS, NV 89117

811 Know what's below. Call before you dig.

Blair Consulting Services, INC
1428 Sunblush Ln, Las Vegas, NV 89117
Fabio Perassi - Project Manager
fsperassi@gmail.com

LUMOS
William Kiefer - OSP Project Engineer
william.kiefer@lumosfiber.com
Phone: (515) 306-3403

Jason Bush - Construction Manager
jason.bush@lumosfiber.com
Phone: (941)812-2913

EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND BASED ON AVAILABLE RECORDS AND FIELD OBSERVATIONS. CONTRACTOR IS RESPONSIBLE FOR CALLING 811 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES AND ANY DAMAGE TO THE UTILITIES SHALL BE IMMEDIATELY REPAIRED AT THE CONTRACTOR'S EXPENSE.

REVISION DATA

NO.	DESCRIPTION	BY	DATE
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SHEET TITLE:	COVER SHEET
PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_016_FDH_04
DESCRIPTION:	SPUR C CANAL
DRAWING NAME:	LE1_016_FDH_04 - LEHIGH ACRES_LEE COUNTY_FLORIDA - SPUR C CANAL
SHEET:	1 OF 12

SCOPE OF WORK

- BURIED PLACEMENT OF 230' OF (2) 1.25" HDPE SDR 11 CONDUIT EQUIPPED WITH (1) 48-CT MICROFIBER OPTIC CABLE. (0) PROPOSED HANDHOLES.
- PIPE TO BE INSTALLED BY MEANS OF HORIZONTAL DIRECTIONAL DRILLING AND HAND DIGGING METHODS.
- ALL AREAS DISTURBED BY INSTALLATION TO BE RESTORED TO EXISTING OR BETTER CONDITION.

UTILITY OWNER CONTACTS

LUMOS
William Kiefer - OSP Project Engineer
William.kiefer@lumosfiber.com
Phone: (515) 306-3403

Jason Bush - Construction Manager
jason.bush@lumosfiber.com
Phone: (941)812-2913

ENGINEERING COMPANY

Blair Consulting Services, INC
1428 Sunblush Ln,
Las Vegas, NV 89117

PROJECT MANAGER
Fabio Perassi
813-579-0128
fsperassi@gmail.com

UTILITIES CONTACTS

CENTURYLINK
BILL MCCLOUD
(850) 815-3144

LEE COUNTY ELECTRIC CO-OP
TOM BAILEY
(239) 656-2414

LUMOS FIBER OF FLORIDA, LLC
MARLON BROWN - SR DIRECTOR
MARLON.BROWN@LUMOSFIBER.COM
(540) 278-0304

FLORIDA GOVERNMENTAL UTILITIES AUTHORITY - LEHIGH
POTABLE WATER/SANITARY SEWER
LINA MARIA QUINTERO, PE
(727) 858-2396

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT
MICHAEL COOK
(239) 368-0044 Ext. 16
MCOOK@LA-MSID.COM
STORM WATER/CANALS

LEE COUNTY DEPARTMENT OF TRANSPORTATION (DOT)
COMMERCIAL RIGHT OF WAY USE PERMIT
(239) 533-8580
ROADS

FDOT
DISTRICT 1 - COUNTIES: CHARLOTTE, COLLIER, DESOTO, GLADES, HARDEE, HENDRY, HIGHLANDS, LEE, MANATEE, OKEECHOBEE, POLK, SARASOTA
801 N. BROADWAY AVENUE
BARTOW, FLORIDA 33830
PHONE: (800) 292-3368
PHONE: (239) 225-1900

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LA - MSID

lumos

BLAIR CONSULTING SERVICES, Inc.

1428 SUNBLUSH LN
LAS VEGAS, NV 89117

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REVISION DATA

NO.	DESCRIPTION	BY	DATE
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SHEET TITLE: SOW & CONTACTS

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_016_FDH_04
DESCRIPTION:	SPUR C CANAL
DRAWING NAME:	LE1_016_FDH_04 - LEHIGH ACRES_LEE COUNTY_FLORIDA - SPUR C CANAL
SHEET:	2 OF 12

LINETYPES

- UG FIBER – EXISTING
- UG FIBER – PROPOSED
- AERIAL FIBER – EXISTING
- AERIAL FIBER – PROPOSED
- COMMUNICATION (COM)
- RECLAIM WATER (RCW)
- DITCH
- GUARDRAIL
- ROAD CENTERLINE
- EASEMENT (ESMT)
- GAS (G)
- WATER (W)
- TELEPHONE (T)
- ELECTRIC (E)
- SANITARY SEWER (SEW)
- STORM DRAIN (SD)
- FENCE (X)
- CABLE TV (TV)
- STEAM (STM)
- OIL (OIL)
- UNKNOWN UTILITY (UNK)
- RIGHT OF WAY (R/W)
- EDGE OF PAVEMENT (EOP)
- SIDEWALK (S/W)

SYMBOL	DESCRIPTION
BP	BORE PIT
EOP	EDGE OF PAVEMENT
EOTW	EDGE OF TRAVEL WAY
FOC	FIBER OPTIC CABLE
HDPE	HIGH DENSITY POLYETHYLENE
HH	HANDHOLE
JB	JUNCTION BOX
MH	MANHOLE
MP	MILE POST
O/S	OFFSET
PVC	POLY VINYL CHLORIDE
RGS	RIGID GALVANIZED STEEL CONDUIT
ROW	RIGHT OF WAY
S/W	SIDEWALK
STA.	STATION

- CB — CABINET
- P — PEDESTAL
- E — ELECTRIC
- EM — ELECTRIC METER
- MH — MANHOLE
- R — RISER
- T — TELEPHONE
- P — POWER VAULT
- CATCH BASIN/INLET
- FIRE HYDRANT
- GROUND/BOND
- STREET LIGHT
- TREE
- CULVERT
- WING WALL
- BRIDGE
- U — MISC. UTILITY
- UTILITY POLE – EXISTING
- OWNER ID — POLE – PROPOSED
- HH — HANDHOLE – EXISTING
- HH — HANDHOLE – PROPOSED
- PD — PEDESTAL – PROPOSED
- MKR — PROMARK DOME MARKER POST
- BORE PIT – PROPOSED

- 0' — AERIAL STORAGE – EXISTING
- 0' — AERIAL STORAGE – PROPOSED
- 0' — VAULT/BUILDING STORAGE – EXISTING
- 0' — VAULT/BUILDING STORAGE – PROPOSED
- POLE ANCHOR/DOWN GUY – EXISTING
- POLE ANCHOR/DOWN GUY – PROPOSED
- PROPOSED DOWN GUY ON EXISTING ANCHOR
- FDP / NAME / SIZE / LOCATION — TERMINATION – EXISTING
- FDP / NAME / SIZE / LOCATION — TERMINATION – PROPOSED
- BUILDING / NAME / STREET — BUILDING CALLOUT – PROPOSED
- MANUFACTURER NAME — SPLICE POINT – EXISTING
- MANUFACTURER NAME — SPLICE POINT – PROPOSED

#F	
	IN: 0
	OUT: 0

SEQUENTIAL CALLOUT

#F	
	IN: 0
	TAIL: 0

SEQUENTIAL IN TAIL CALLOUT

#F	
	TAIL: 0
	OUT: 0

SEQUENTIAL TAIL OUT CALLOUT

POLE NO	N/A
UTILITY1	0'-0"

POLE ATTACHMENT CALLOUT – EXISTING
USE DYNAMIC PULL DOWN TO SELECT FROM 1 TO 6 ATTACHMENTS

POLE NO	N/A
UTILITY1	0'-0"

POLE ATTACHMENT CALLOUT – PROPOSED
USE DYNAMIC PULL DOWN TO SELECT FROM 1 TO 6 ATTACHMENTS

PERMITTING AGENCY
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LAS VEGAS, NV 89117

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REVISION DATA

NO.	DESCRIPTION	BY	DATE
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SHEET TITLE: LEGEND

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_016_FDH_04
DESCRIPTION:	SPUR C CANAL
DRAWING NAME:	LE1_016_FDH_04 - LEHIGH ACRES_LEE COUNTY_FLORIDA - SPUR C CANAL
SHEET:	3 OF 12

GENERAL NOTES

CONTRACTOR MUST OBTAIN LOCATES PRIOR TO DISTURBING THE GROUND.

CONTRACTOR MUST HAVE A COPY OF THE APPROVED PERMIT FROM THE APPROPRIATE AGENCY ON THE JOBSITE AT ALL TIMES.

ALL CABLE WILL BE PLACED AT A MINIMUM DEPTH OF 36" DEEP UNLESS OTHERWISE DIRECTED BY A REPRESENTATIVE OF THE UTILITY OWNER.

ANY LANDSCAPING WILL BE REPLACED TO EQUAL OR BETTER THAN THAT WHICH EXISTED PRIOR TO WORK, 72 HOURS AFTER COMPLETION OF WORK.

PROJECT SITE WILL BE PROPERLY SECURED PRIOR TO THE END OF EACH DAY.

ALL WORK IS TO BE IN ACCORDANCE WITH ALL AUTHORITIES HAVING JURISDICTION IN THE WORK ZONE.

CONTRACTORS ARE ADVISED TO CONTACT THE PROJECT MANAGER FOR ANY ADDITIONAL INFORMATION OR CLARIFICATION CONCERNING SCOPE OF WORK OR THE REQUIREMENTS NECESSARY FOR PROJECT COMPLETION.

CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY ALL DIMENSIONS, QUANTITIES AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION. IF A SIGNIFICANT CHANGE TO THE RUNNING LINE IS NEEDED, PLEASE CONTACT THE PROJECT MANAGER BEFORE PROCEEDING.

BEFORE CONSTRUCTION BEGINS, CONTRACTOR SHALL TAKE APPROPRIATE PRECAUTIONS TO AVOID ANY POTENTIAL OBSTRUCTIONS PRIOR TO PROCEEDING WITH WORK.

NO CONSTRUCTION ON PRIVATE PROPERTY WILL COMMENCE UNTIL APPROVAL IS GIVEN BY A REPRESENTATIVE OF THE UTILITY OWNER.

CONTRACTOR SHALL NOT PROCEED WITH WORK UNTIL THEY HAVE RECEIVED A PURCHASE ORDER AND HAVE BEEN DIRECTED TO DO SO BY AN AUTHORIZED REPRESENTATIVE OF THE UTILITY OWNER.

CONTRACTOR SHALL NOT EXCEED THE PURCHASE ORDER VALUE WITHOUT AUTHORIZATION IN WRITING FROM THE APPROPRIATE REPRESENTATIVE OF THE UTILITY OWNER.

AS-BUILTS WILL BE REQUIRED FOR EACH PROJECT INCLUDING CABLE FOOTAGE SEQUENTIALS AT EVERY ACCESS POINT, SLACK LOOP, SPLICE LOCATION, POLE AND TERMINATION POINT. CONTRACTOR SHOULD ALSO PROVIDE NOTES OF ALL CHANGES IN DEPTHS, RUNNING LINES, MH/HH LOCATIONS, AND ANY OTHER APPLICABLE NOTES TO DEPICT THE WORK THAT TOOK PLACE. NOTE: ALL MAJOR CHANGES NEED TO BE PRE-APPROVED BY AN AUTHORIZED REPRESENTATIVE OF THE UTILITY COMPANY PRIOR TO STARTING THE WORK.

SITE CONDITIONS

THE ACTUAL LOCATION OF EXISTING CONDUIT AND CABLES MAY VARY FROM THE LOCATION SHOWN. REPAIR OF ANY DAMAGED CONDUIT CONTAINING CABLE SHALL BE MADE BY USE OF PVC SPLIT DUCT. THE CONTRACTOR SHALL ENCLOSE THE EXISTING CABLES IN PVC.

THE LOCATIONS OF EXISTING UTILITIES SHOWN IN THIS PLAN ARE APPROXIMATE. WHEN WORK IS TO BE CONDUCTED IN THE VICINITY OF KNOWN UTILITIES, THEIR ACTUAL LOCATION MUST BE FIELD VERIFIED TO AVOID CONFLICTS OR DAMAGE TO THOSE UTILITIES. VARIATION IN LOCATION BETWEEN "RECORDED POSITIONS" AND ACTUAL POSITIONS SHOULD BE ANTICIPATED.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES. BURIED UTILITIES MAY EXIST IN THE AREA IN ADDITION TO THOSE SHOWN ON THE PLAN. THE CONTRACTOR SHALL CONTACT PROPERTY OWNERS WHEN WORKING WITHIN PRIVATE EASEMENTS FOR LOCATION OF UNDERGROUND TANKS, PIPELINES, DRAIN TILES, OR OTHER BURIED IMPROVEMENTS. THE CONTRACTOR SHALL ALSO NOTIFY THE UTILITY NOTIFICATION CENTER PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITIES.

THE CONTRACTOR MUST ASSUME ALL BURIED UTILITIES ENCOUNTERED ARE ALIVE AND ACTIVE UNLESS SPECIFICALLY INSTRUCTED OTHERWISE BY OWNERS OR OPERATORS OF SAID UTILITIES.

DAMAGE TO SUB-SURFACE STRUCTURES IS THE SOLE RESPONSIBILITY OF THE PLACING CONTRACTOR.

THE CONTRACTOR SHALL PROTECT THE EXISTING TRAFFIC CONTROL LOOPS. IF EXISTING TRAFFIC CONTROL LOOPS ARE DAMAGED DURING CONSTRUCTION, THE ENTIRE LOOP WIRE FROM TERMINAL TO TERMINAL SHALL BE REPLACED IN ACCORDANCE WITH GOVERNING AGENCY STANDARDS AND REGULATIONS AT CONTRACTOR'S EXPENSE.

REMOVAL OF EXISTING ASPHALT PAVEMENT, CONCRETE CURBS, AND CONCRETE SIDEWALKS WILL BE "NEAT LINE" WITH SAW OR PAVEMENT CUTTER, PER REQUIREMENTS AND SPECIFICATIONS OF THE AGENCY OR DEPARTMENT RESPONSIBLE FOR EACH LOCATION. IF CONCRETE PAVEMENT IS ENCOUNTERED WHILE EXCAVATING CONDUIT TRENCHES, THE CONCRETE REMOVAL WILL BE "NEAT LINE" WITH A PAVEMENT SAW.

IF CONCRETE CURB RETURNS AND/OR SIDEWALKS ARE REPLACED DUE TO CONDUIT OR MANHOLE INSTALLATION, THE CONTRACTOR SHALL PLACE APPROVED HANDICAPPED SIDEWALK AND CURB ACCESS RAMPS IN CONFORMANCE WITH THE APPROPRIATE STATE STATUTES.

ALL MATERIALS NECESSARY FOR THE REPAIR OF STREETS, CURBS, SIDEWALKS, SANITARY SEWERS, STORM SEWERS, AND PUBLIC SERVICE UTILITIES, AND THE INSTALLATION OF SUCH MATERIALS SHALL BE IN CONFORMANCE WITH THE REQUIREMENTS AND SPECIFICATIONS OF THE AGENCY OR DEPARTMENT RESPONSIBLE FOR THE OPERATION AND MAINTENANCE OF THE REPAIRED FACILITY.

ALL WORK SHALL CONFORM TO THE SPECIFICATIONS OF THE JURISDICTIONAL PERMIT AGENCY.

ALL OPEN TRENCH WILL BE CLEARLY MARKED WITH BARRICADES OR CONES. STEEL PLATES OR OTHER TYPES OF BRIDGING SHALL BE PROVIDED TO COVER OPEN TRENCH IN THE TRAVEL PORTION OF THE STREETS. THESE PLATES OR BRIDGING SHALL BE ADEQUATE TO SUPPORT THE NORMAL VEHICLE LOADS ANTICIPATED IN THIS AREA AND SHALL BE IN PLACE DURING ALL NON-WORKING AREAS.

ALL SURFACES TO BE RESTORED TO ORIGINAL CONDITION, AND BACKFILL TO BE COMPACTED AS SPECIFIED. TRENCH EXCAVATION IN SURFACES WHICH INCLUDE CONCRETE TREATED BASE SHALL FOLLOW LOCAL AREA SPECIFICATIONS.

HAZARDOUS MATERIALS

THE CONTRACTOR SHALL NOTIFY THE JURISDICTIONAL PERMIT AGENCY IMMEDIATELY IF ANY MATERIALS ARE ENCOUNTERED THAT ARE CONSIDERED HAZARDOUS BY THE EPA, DEQ, OR OSHA. IF POTENTIALLY HAZARDOUS MATERIALS ARE ENCOUNTERED THE CONTRACTOR SHALL SECURE THE SITE AND PREVENT THE ACCIDENTAL EXPOSURE BY THE PUBLIC OR THE CONTRACTOR'S PERSONNEL.

THE CONTRACTOR MAY EXCAVATE UP TO, BUT SHALL NOT DISTURB KNOWN HAZARDOUS MATERIALS SUCH AS ASBESTOS, OILS, ACID, ETC. THE REMOVAL OF ALL HAZARDOUS MATERIALS MUST BE DONE BY AN APPROVED OR CERTIFIED HAZARDOUS MATERIALS CONTRACTOR LICENSED IN THE APPROPRIATE STATE.

A COPY OF ALL CORRESPONDENCE PERTINENT TO THE REMOVAL OF HAZARDOUS MATERIALS SHALL BE TRANSMITTED TO OWNER AND A COPY SHALL BE AVAILABLE AT THE PROJECT OFFICE AND THE JOB SITE.

AERIAL NOTES

- AERIAL CONSTRUCTION TO BE PERFORMED TO INDUSTRY ACCEPTABLE STANDARDS.
- ALL HEIGHTS OF CABLE PLACEMENT WILL BE RECORDED AT TIME OF CONSTRUCTION. DOCUMENT ALL POINTS OF ATTACHMENT.
- ALL EXTENSION ARMS TO BE PLACED WILL BE EPOXY ARMS UNLESS OTHERWISE NOTED OR APPROVED BY THE INSPECTOR.
- BOND STRAND TO POWER MGN WHERE APPLICABLE. ANCHORS TO BE USED WILL BE 3/4 SCREW IN TYPE.
- ALL STRAPS WILL BE PLACED 4" BEFORE AND AFTER EVERY SUPPORTING CLAMP AT A MINIMUM OF 21" APART.
- P.O.A. = POINT OF ATTACHMENT.
- ADD MISSING GROUNDS.
- REPAIR/REPLACE EXISTING LASHING WIRE IF DAMAGED.

CONSTRUCTION STAKING

IN AREAS WHERE THE CONDUIT ALIGNMENT IS NOT CLEARLY DEFINED BY CURB LINES, FENCE LINES, OR OTHER EVIDENCE OF THE RIGHT-OF-WAY, THE ENGINEER WILL PROVIDE CENTERLINE STAKES OR PAINT MARKS WHERE REQUIRED TO MAKE THE PROPOSED CONDUIT ALIGNMENT EVIDENT.

MANHOLE CENTERS WILL BE FIELD STAKED BY THE ENGINEER WHEN REQUESTED WITH OFFSET STAKES AT RIGHT ANGLES (90°) TO THE CONDUIT ALIGNMENT.

CLOSURES IDENTIFIED IN THE PLANS SHALL BE LOCATED BY THE CONTRACTOR. DEVIATION FROM PLAN LAYOUT SHALL BE APPROVED BY THE ENGINEER PRIOR TO CONDUIT AND/OR CLOSURE INSTALLATION.

IF ADDITIONAL, FIELD STAKING OR LOCATION OF CONDUITS, MANHOLES, PROPERTY LINES, ETC., BECOMES NECESSARY, THE CONTRACTOR IS TO NOTIFY THE INSPECTOR OR THE ENGINEER TWO WORKING DAYS PRIOR TO BEGINNING THE WORK.

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REVISION DATA

NO.	DESCRIPTION	BY	DATE
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SHEET TITLE:	GENERAL NOTES
PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_016_FDH_04
DESCRIPTION:	SPUR C CANAL
DRAWING NAME:	LE1_016_FDH_04 - LEHIGH ACRES_LEE COUNTY_FLORIDA - SPUR C CANAL
SHEET:	4 OF 12

PERMITS - FRANCHISES - EASEMENTS

PHYSICAL WORK SHALL NOT BE STARTED UNTIL THE GOVERNING AGENCY INSPECTOR AND THE CONTRACTOR ARE IN POSSESSION OF AND HAVE CAREFULLY REVIEWED AND FULLY UNDERSTAND ALL CONDITIONS AND SPECIFICATIONS SET FORTH IN THE REQUIRED PERMITS, FRANCHISES, AND/OR EASEMENTS.

PLACING FOREMAN TO HAVE A COPY OF THE PERMITS/EASEMENTS ON SITE AT ALL TIMES.

ANY CONFLICT BETWEEN WORK PRINT SPECIFICATIONS AND SPECIFICATIONS SET FORTH UNDER RELATED PERMITS, FRANCHISES, AND/OR EASEMENTS MUST BE CLEARED BY PROPER COMPANY AUTHORITY BEFORE PROGRESSING WITH WORK INVOLVED

TRAFFIC CONTROL

THIS PROJECT WILL INVOLVE WORKING ALONG A MAJOR ARTERIAL ROAD AND HEAVY TRAFFIC VOLUME SHOULD BE ANTICIPATED.

UNIFORM TRAFFIC FLOW SHALL BE MAINTAINED AT ALL TIMES. ONLY EQUIPMENT AND MATERIALS NECESSARY FOR IMMEDIATELY SCHEDULED OR IN PROGRESS WORK WILL BE MAINTAINED IN THE WORK AREA. ALL OTHER EQUIPMENT AND MATERIALS WILL BE "STORED OR STOCKPILED" IN SUCH A MANNER AS TO ELIMINATE HAZARDOUS CONDITIONS FOR TRAFFIC OR PEDESTRIANS DURING NON-WORKING OR SHUT DOWN PERIODS.

TRAFFIC WARNING DEVICES AND SIGNS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (U.S. GOVERNMENT PRINTING OFFICE) AND TO THE STATE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION. HIGH LEVEL WARNING TYPE DEVICES ARE TO BE USED AT ALL TIMES AND SPECIAL WARNING DEVICES MAY BE STIPULATED BY THE JURISDICTIONAL PERMIT AGENCY AT ANY TIME THE USE WILL ADD TO THE SAFETY AND PROTECTION OF TRAFFIC OR PEDESTRIANS IN THE CONSTRUCTION AREA.

ALL CONDUIT TRENCHING IN PAVED AREAS SHALL BE BACKFILLED WITH CRUSHED GRAVEL OR COMPLETELY COVERED AT THE COMPLETION OF EACH WORKING DAY. ANY BACKFILLED TRENCH SHALL BE CAPPED WITH A MINIMUM LAYER OF ASPHALTIC CONCRETE COLD PATCH AT THE END OF EACH WORKING DAY.

THE CONTRACTOR SHALL MARK THE CONDUIT TRENCH AND DEFINE HIS CONSTRUCTION AREA CLEARLY WITH BARRICADES, CONES, AND/OR OTHER VISIBLE METHODS THAT ALERT THE PUBLIC OF THE CONSTRUCTION ACTIVITY.

A TRAFFIC CONTROL PLAN SHALL BE PREPARED BY THE CONTRACTOR AS REQUIRED AND SUBMITTED TO EACH PERMITTING AGENCY REQUESTING SUCH PLAN FOR REVIEW AND APPROVAL OR REVISION PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITY FOR THIS PROJECT. THE APPROVED PLAN SHALL BE SUBMITTED TO THE AGENCY AND A COPY OF THE PLAN SHALL BE KEPT AT THE CONSTRUCTION SITE AND MUST BE READILY AVAILABLE REVIEW BY THE AGENCY REPRESENTATIVES.

SPECIAL UTILITY CLEARANCES

ALL WORK CONDUCTED ADJACENT TO WATER MAINS SHALL CONFORM TO THE FOLLOWING CONDITIONS:

A. WHEREVER POSSIBLE CONDUIT SHALL MAINTAIN A HORIZONTAL SEPARATION OF 3.0 FEET, MEASURED SURFACE TO SURFACE (OUTSIDE EDGE TO OUTSIDE EDGE), FROM PARALLEL WATER MAINS.

B. WHEREVER POSSIBLE, CONDUIT SHALL PASS UNDER EXISTING WATER MAINS AND MUST MAINTAIN 24" VERTICAL CLEAR SEPARATION. CONDUITS PASSING OVER WATER MAINS MUST ALSO MAINTAIN THE 24" VERTICAL SEPARATION.

C. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING THIS REQUIRED VERTICAL SEPARATION BY EITHER EXPOSING THE WATER MAIN EVERY 100 FEET IN THOSE AREAS WHERE HORIZONTAL SEPARATION IS LESS THAN 3.0 FEET OR BY UTILIZING THE DEPTHS OF ADJACENT WATER VALVES. IF THE CONTRACTOR UTILIZES THE ADJACENT WATER TO DETERMINE WATER MAIN DEPTH, HE SHALL CONTACT THE AGENCY AT EACH SUCH LOCATION AND THE AGENCY WILL DETERMINE THE NECESSARY DEPTH OF THE TOP OF THE CONDUIT AT THAT POINT.

D. THE VERTICAL AND HORIZONTAL SEPARATION SHALL BE MAINTAINED AT ALL TIMES UNLESS SPECIFICALLY REVISED BY AGREEMENT BETWEEN THE JURISDICTIONAL PERMIT AGENCY AND THE AGENCY ANY SPECIFIC DEVIATION IN VERTICAL AND HORIZONTAL SEPARATION FROM THOSE DESCRIBED SHALL BE REPORTED TO THE OWNER BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING VERTICAL AND HORIZONTAL SEPARATION AT ALL TIMES AND SHALL BE RESPONSIBLE FOR ANY AND ALL ENCROACHMENTS.

E. CLEARANCES TO STORM SEWERS AND SANITARY SEWERS SHALL BE EXACTLY THE SAME AS THOSE TO WATER MAINS.

STRUCTURE PROTECTION

MANHOLES AND CONDUIT TO BE PLACED ADJACENT TO EXISTING STRUCTURES SUCH AS BRIDGE BRIDGE FOOTINGS/PIERS, BUILDING FOUNDATIONS, WALLS, POWER AND TELEPHONE POLES, AND OTHER UTILITIES SHALL MAINTAIN A MINIMUM CLEARANCE AS SHOWN. THE CONTRACTOR SHALL NOT UNDERMINE ANY ADJACENT STRUCTURE WITHOUT SPECIFIC WRITTEN PERMISSION FROM THE OWNER/OPERATOR OF SUCH STRUCTURE.

SHORING USED AS FOUNDATION SUPPORT SHALL BE DESIGNED SPECIFICALLY FOR BOTH THE LIVE AND DEAD LOADS OF THE STRUCTURE, OR IF ONLY THE DEAD LOAD IS USED FOR DESIGN, THE CONTRACTOR SHALL PROVIDE A DETAILED LAYOUT AND PLAN OF THE METHOD OF ESTABLISHING AND MAINTAINING THE DESIGN LOAD CONDITIONS (I.E., ROAD DETOURS, TIEBACKS, ETC.).

SEE UTILITY CLEARANCE SECTION NOTES FOR CLEARANCE CRITERIA TO PARALLEL OR CROSS UTILITIES.

EXISTING UTILITIES EXPOSED DURING EXCAVATION SHALL BE 100% SUPPORTED BY EITHER TRENCH BRIDGING AND SUSPENSION OR BY THE USE OF LONGITUDINAL TRAYS OR PLATFORMS VERTICALLY SUPPORTED BY ADJUSTABLE BUILDING JACKS.

EXISTING SPLICE CASES AND CABLES SHALL BE SUPPORTED BY SUSPENSION FROM A CROSSING BEAM. SUPPORTS SHALL BE PLACED AT A MAXIMUM SPACING OF 4.0 FEET AND SHALL CONSIST OF A CANVAS SLING WITH NYLON BELTING OR ROPE. ALL CABLE SUPPORTS SHALL BE PLACED IN A MANNER THAN PREVENTS KINKS OR OTHER DAMAGE TO THE CABLE SHEATH.

AN ACCEPTABLE ALTERNATIVE TO CABLE SLINGS WOULD BE THE UTILIZATION OF A WIDE FLANGE "I" BEAM OR CHANNEL AS A "CABLE TRAY" WITH THE CABLES/CASES BANDED IN PLACE.

SHORING

THE CONTRACTOR SHALL PROVIDE SHORING FOR CONDUIT TRENCH EXCAVATION 42" OR MORE IN DEPTH AS MEASURED FROM THE HIGH SIDE OF THE TRENCH AND FOR ALL MANHOLE EXCAVATION.

MANHOLE SHORING SHALL BE TIGHT-SHEETED.

ALL SHORING SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF LOCAL COUNTY AND THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA).

SHORING SHALL BE DESIGNED TO MEET H-20 HIGHWAY LOADING.

THE CONTRACTOR SHALL PROVIDE ALL SHORING AND DESIGN CALCULATIONS TO THE PERMIT ISSUING AGENCY PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITY.

UTILITY NOTE:

EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND BASED ON AVAILABLE RECORDS, VERBAL INFORMATION AND/OR PHYSICAL FEATURES. PRIOR TO CONSTRUCTION (AT LEAST 72 HOURS OR THE MORE RESTRICTIVE MINIMUM NOTIFICATION PERIOD), THE CONTRACTOR SHALL CONTACT SUNSHINE 811 TO ALLOW MARKING OF EXISTING BURIED UTILITIES WITHIN THE SCOPE OF THE PROPOSED WORKZONE.

SOFT DIGS &/OR POTHOLING SHALL BE REQUIRED BY CONTRACTOR TO IDENTIFY EXISTING UTILITY DEPTHS.

MINIMUM 24" SEPARATION SHALL BE MAINTAINED FROM ALL EXISTING UTILITIES UNLESS SUPERVISED.

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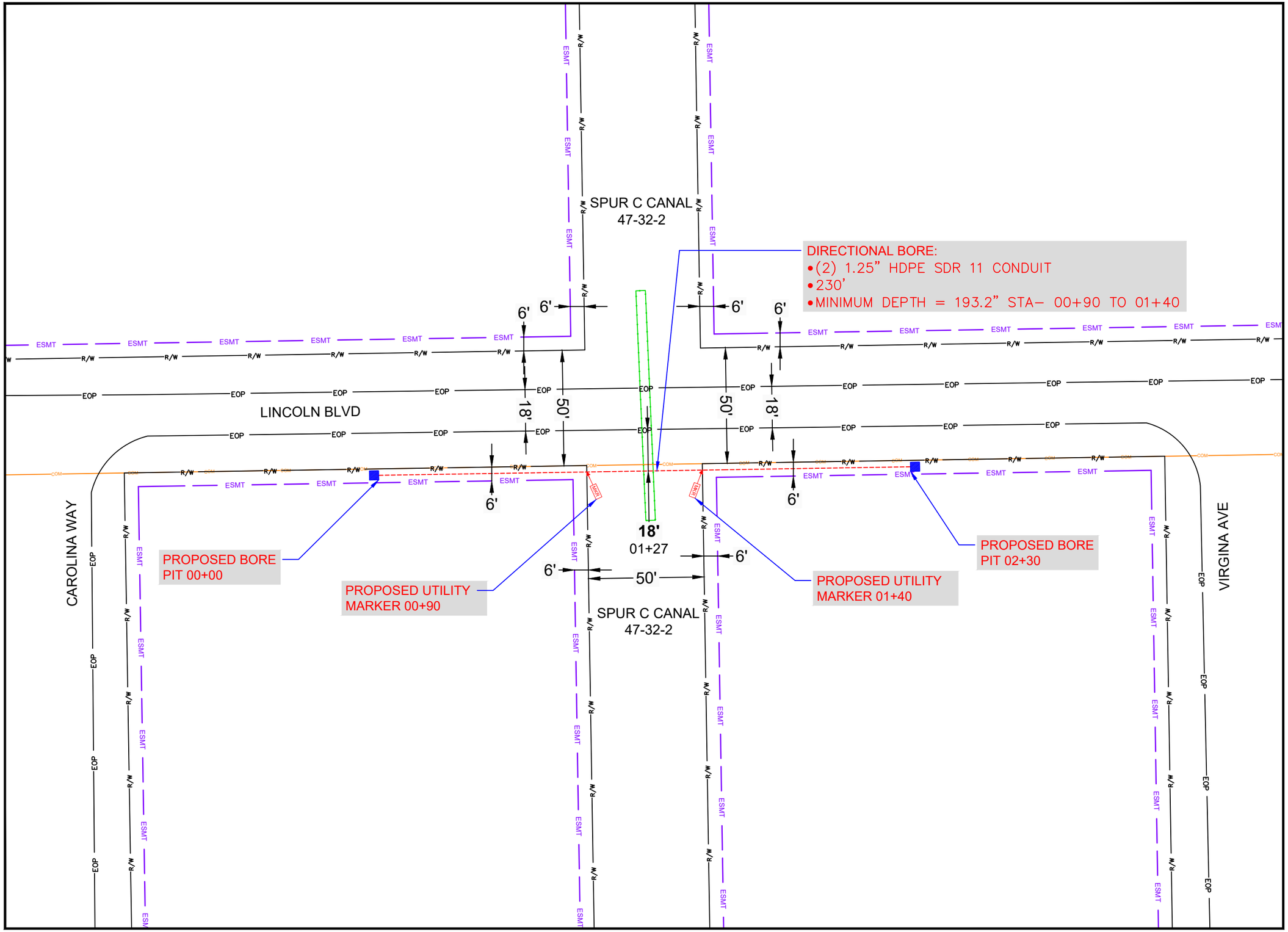
SHEET TITLE:
GENERAL NOTES

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_016_FDH_04
DESCRIPTION:	SPUR C CANAL
DRAWING NAME:	LE1_016_FDH_04 - LEHIGH ACRES_LEE COUNTY_FLORIDA - SPUR C CANAL
SHEET:	5 OF 12



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0 10' 20' 30' 40'

SCALE: 1"=40'

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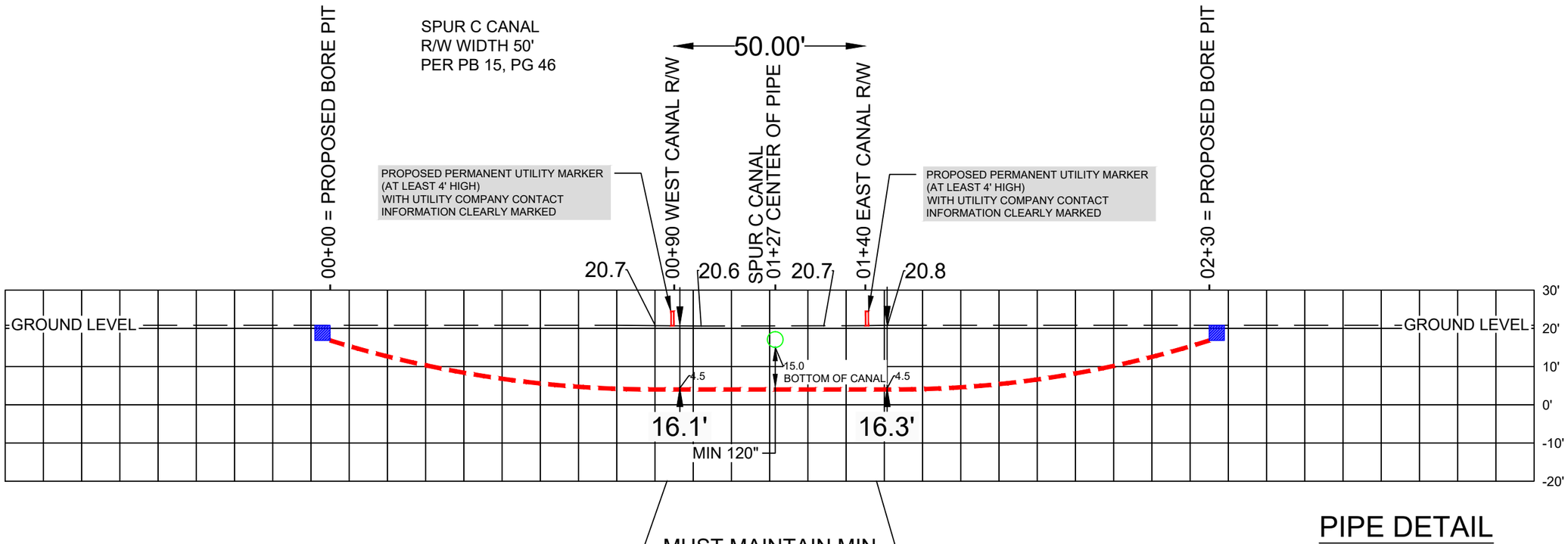
SHEET TITLE:

PROJECT SHEET

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_016_FDH_04
DESCRIPTION:	SPUR C CANAL
DRAWING NAME:	LE1_016_FDH_04 - LEHIGH ACRES_LEE COUNTY_FLORIDA - SPUR C CANAL
SHEET:	6 OF 12

SUB-GRADE VERTICAL PROFILE VIEW
LINCOLN BLVD
LOOKING NORTH



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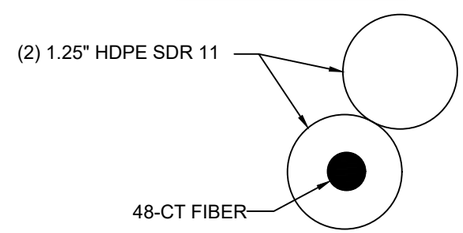
PIPE DETAIL



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0 10' 20' 30'
SCALE: 1"=30'

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SHEET TITLE:
PROFILE VIEW

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_016_FDH_04
DESCRIPTION:	SPUR C CANAL
DRAWING NAME:	LE1_016_FDH_04 - LEHIGH ACRES_LEE COUNTY_FLORIDA - SPUR C CANAL
SHEET:	7 OF 12



STREET LEVEL VIEW
STA 00+90
FACING EAST

05/09/2026 11:18AM
26.613541, -81.636124
401 LINCOLN BLVD
LEHIGH ACRES, FL 33936

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SHEET TITLE: IMAGES

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_016_FDH_04
DESCRIPTION:	SPUR C CANAL
DRAWING NAME:	LE1_016_FDH_04 - LEHIGH ACRES_LEE COUNTY_FLORIDA - SPUR C CANAL
SHEET:	8 OF 12

STREET LEVEL VIEW
STA 01+40
FACING WEST



05/09/2026 11:19AM
26.613546, -81.635985
319 VIRGINIA AVE
LEHIGH ACRES, FL 33936

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SHEET TITLE: IMAGES

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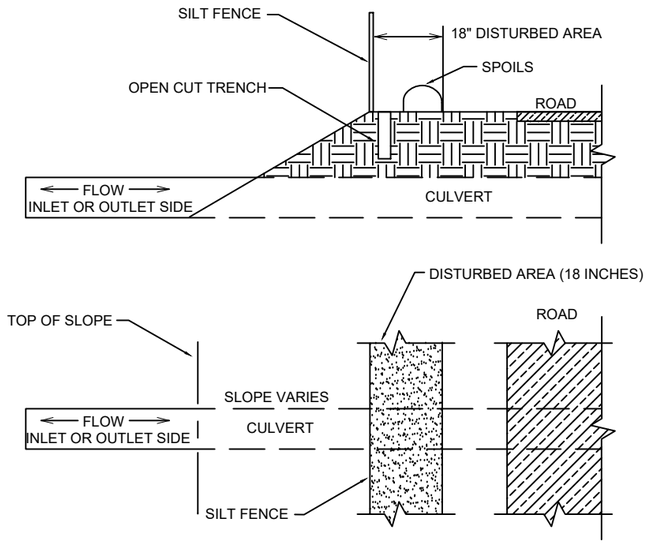
DESCRIPTION:	SPUR C CANAL
DRAWING NAME:	LE1_016_FDH_04 - LEHIGH ACRES_LEE COUNTY_FLORIDA - SPUR C CANAL
SHEET:	9 OF 12

TYPICALS

CULVERT CUT OVER ON ROADSIDE SHOULDER

NOT TO SCALE



GENERAL NOTES

1. INSTALL SILT FENCE TO PROTECT DOWNSTREAM AREAS FROM SEDIMENTATION PRIOR TO CONSTRUCTION.
2. INSTALL SILT FENCE AS NEEDED TO PROTECT DRAINAGE FEATURES, BUT NO LESS THAN 10' ON EITHER SIDE OF CULVERT.

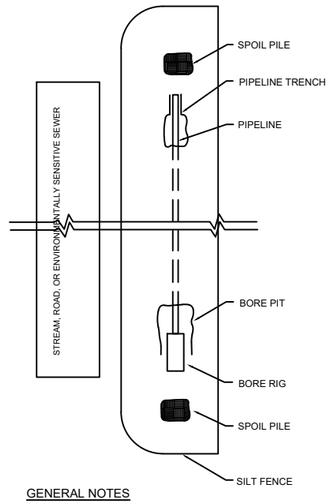
MAINTENANCE NOTES

INSPECT CULVERT CROSSING STRUCTURES WEEKLY AND AFTER EACH SIGNIFICANT RAINFALL EVENT (0.5" OR GREATER) TO SEE IF ANY EROSION AROUND OR BELOW THE SILT FENCE HAS OCCURRED, IMMEDIATELY MAKE ALL NEEDED REPAIRS TO PREVENT FURTHER DAMAGE.

*REF: 6.41.5 NC Erosion and Sediment Control Planning and Design Manual, 2006

DIRECTIONAL BORE DETAIL (PARALLEL)

NOT TO SCALE

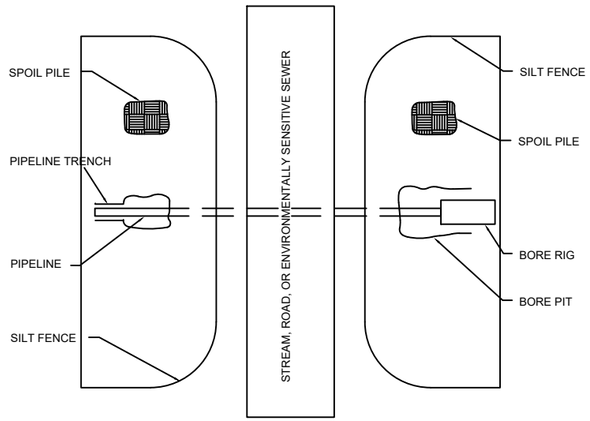


GENERAL NOTES

1. BORE PITS AND SPOILS PILES SHALL BE ENCLOSED ON THREE SIDES AS SHOWN WITH SILT FENCE

DIRECTIONAL BORE DETAIL (TRAVERSE)

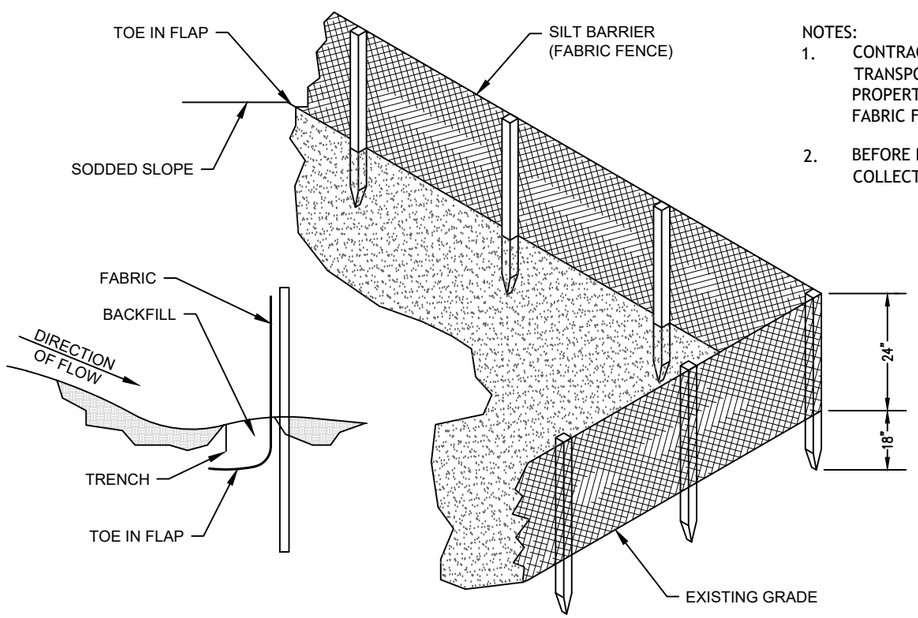
NOT TO SCALE



GENERAL NOTES

1. BORE PITS AND SPOILS PILES SHALL BE ENCLOSED ON THREE SIDES AS SHOWN WITH SILT FENCE

FABRIC FENCE SILT - BARRIER



NOTES:

1. CONTRACTOR IS REQUIRED TO PREVENT ANY SEDIMENT TRANSPORT FROM THE PROJECT SITE ON TO ADJACENT PROPERTY. INSTALLATION OF EITHER BALED HAY OR FABRIC FENCE TYPE SILT BARRIER IS ACCEPTABLE.
2. BEFORE REMOVING SILT BARRIER, CONTRACTOR SHALL COLLECT AND DISPOSE OF ANY ACCUMULATED SILT.

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REVISION DATA

NO.	DESCRIPTION	BY	DATE
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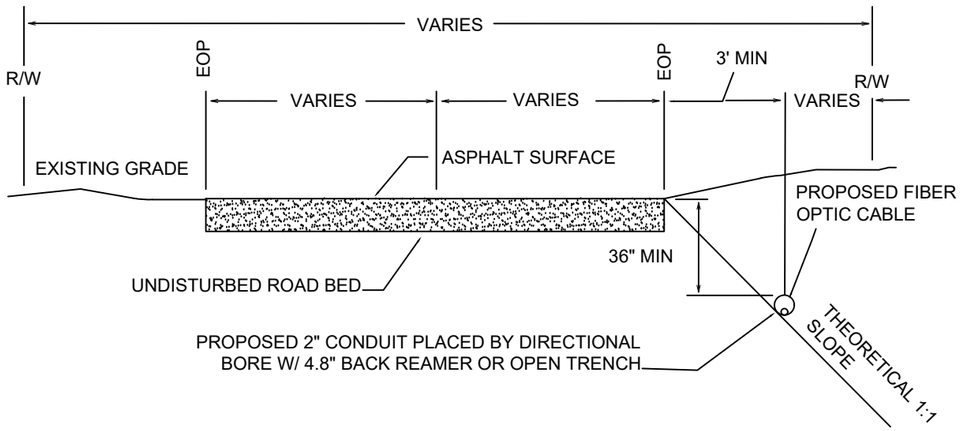
SHEET TITLE: TYPICALS

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_016_FDH_04
DESCRIPTION:	SPUR C CANAL
DRAWING NAME:	LE1_016_FDH_04 - LEHIGH ACRES_LEE COUNTY_FLORIDA - SPUR C CANAL
SHEET:	10 OF 12

TYPICALS

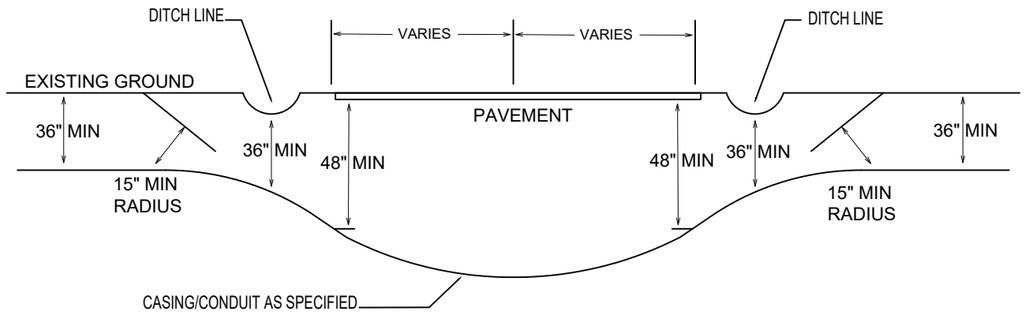
PARALLEL CONDUIT DETAIL FOR FDOT RIGHT-OF-WAY

NOT TO SCALE



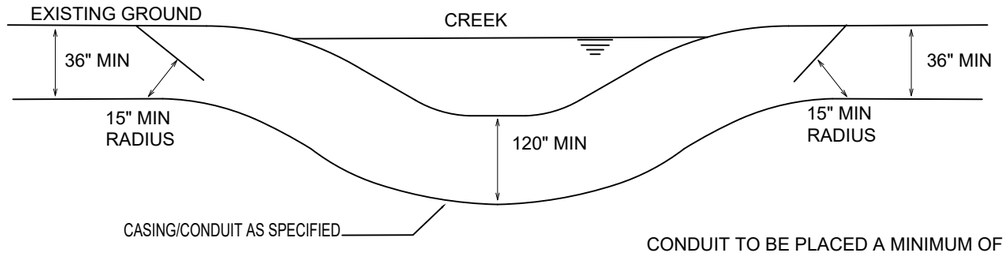
DIRECTIONAL BORE UNDER SECONDARY ROADWAY

NOT TO SCALE



DIRECTIONAL BORE UNDER CREEK BED

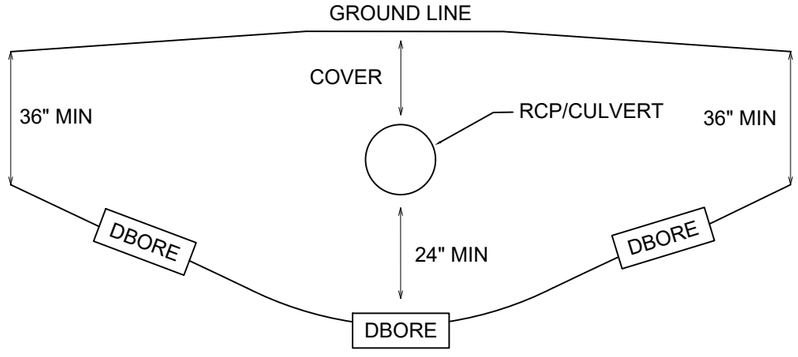
NOT TO SCALE



CONDUIT TO BE PLACED A MINIMUM OF 10 FEET BELOW CREEK BED

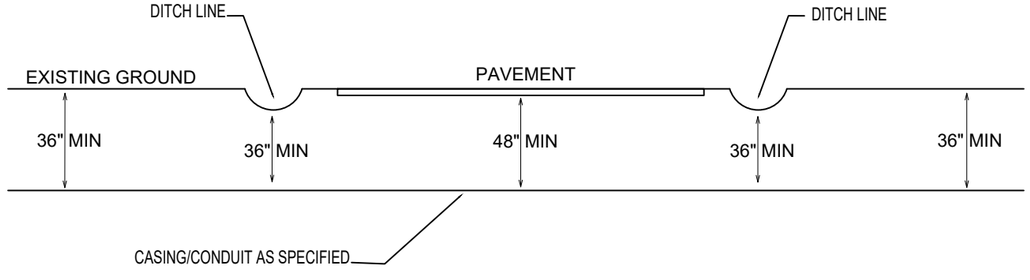
CULVERT CROSSING DETAIL

NOT TO SCALE



DRY BORE UNDER ROADWAY

NOT TO SCALE



PERMITTING AGENCY

LA - MSID

lumos

BLAIR CONSULTING SERVICES, Inc.

1428 SUNBLUSH LN
LAS VEGAS, NV 89117

811 Know what's below. Call before you dig.

EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND BASED ON AVAILABLE RECORDS AND FIELD OBSERVATIONS. CONTRACTOR IS RESPONSIBLE FOR CALLING 811 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES AND ANY DAMAGE TO THE UTILITIES SHALL BE IMMEDIATELY REPAIRED AT THE CONTRACTOR'S EXPENSE.

REVISION DATA

NO.	DESCRIPTION	BY	DATE
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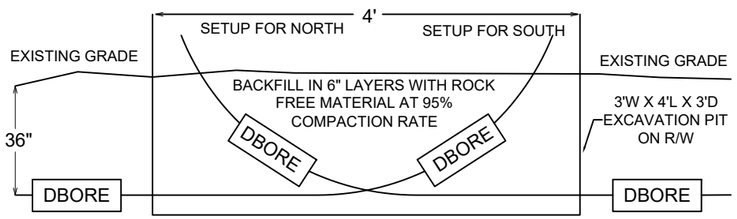
----	----	----	----

SHEET TITLE:	TYPICALS
PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_016_FDH_04
DESCRIPTION:	SPUR C CANAL
DRAWING NAME:	LE1_016_FDH_04 - LEHIGH ACRES_LEE COUNTY_FLORIDA - SPUR C CANAL
SHEET:	11 OF 12

TYPICALS

DIRECTIONAL BORE TIE-IN DETAIL

NOT TO SCALE

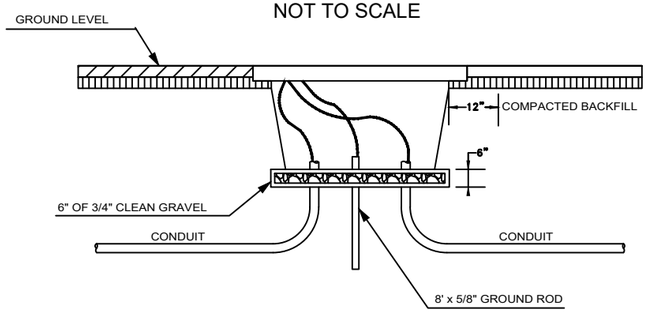


TIE-IN STATION

- BORE FROM EACH DIRECTION IS RUN AT DESIGN DEPTH TO 2 FEET PAST THE INTENDED TIE-IN. THEN TURNED UP TO DAYLIGHT.
- THE TIE-IN POINT IS EXCAVATED. THE CONDUITS CUT OFF WHERE THEY CROSS EACH OTHER AT DESIGN DEPTH, AND A COUPLER IS INSTALLED TO CONNECT THE TWO CONDUITS AT THE DESIGN DEPTH.
- ALL EXCAVATIONS OR TRENCHES 4 FEET OR GREATER IN DEPTH SHALL BE APPROPRIATELY BENCHED, SHORED, OR SLOPED IN OSHA'S EXCAVATION STANDARD, 29 CFR 1926.650, .651, AND .652

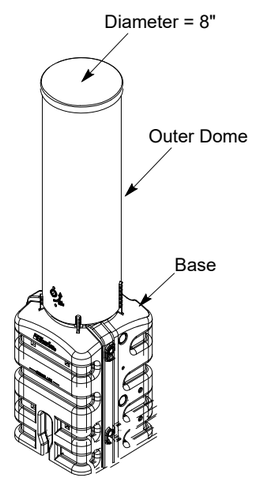
PULL BOX HANDHOLE

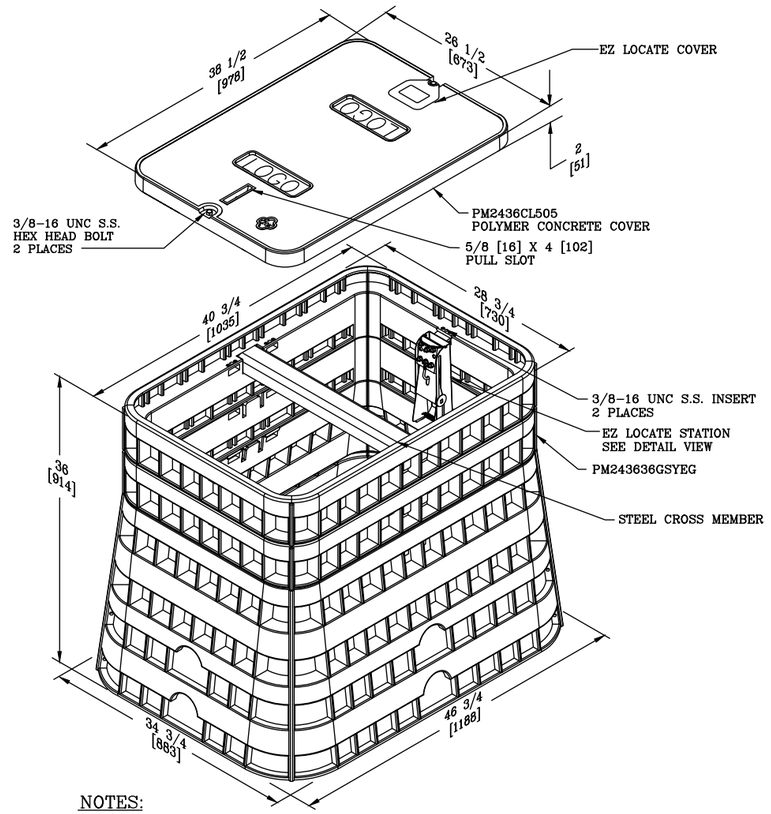
NOT TO SCALE



ALL EXCAVATIONS OR TRENCHES 4 FEET OR GREATER IN DEPTH SHALL BE APPROPRIATELY BENCHED, SHORED, OR SLOPED ACCORDING TO THE PROCEDURES AND REQUIREMENTS SET FORTH IN OSHA'S EXCAVATION STANDARD, 29 CFR 1926.650, .651, AND .652.

BDO204-EG

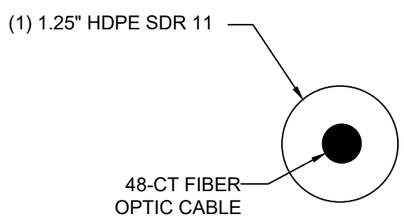




NOTES:

1. BOX MATERIAL TO BE HDPE PLASTIC, COVER MATERIAL TO BE POLYMER CONCRETE.
2. COLOR TO BE GREY.
3. THIS ASSEMBLY HAS A LOAD RATING OF 20,000 LBS. [88,960 N].

PIPE DETAIL



PERMITTING AGENCY

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REVISION DATA

NO.	DESCRIPTION	BY	DATE
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SHEET TITLE:	TYPICALS
PROJECT MANAGER:	FABIO PERASSI
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DESCRIPTION:	SPUR C CANAL
DRAWING NAME:	LE1_016_FDH_04 - LEHIGH ACRES_LEE COUNTY_FLORIDA - SPUR C CANAL
SHEET:	12 OF 12

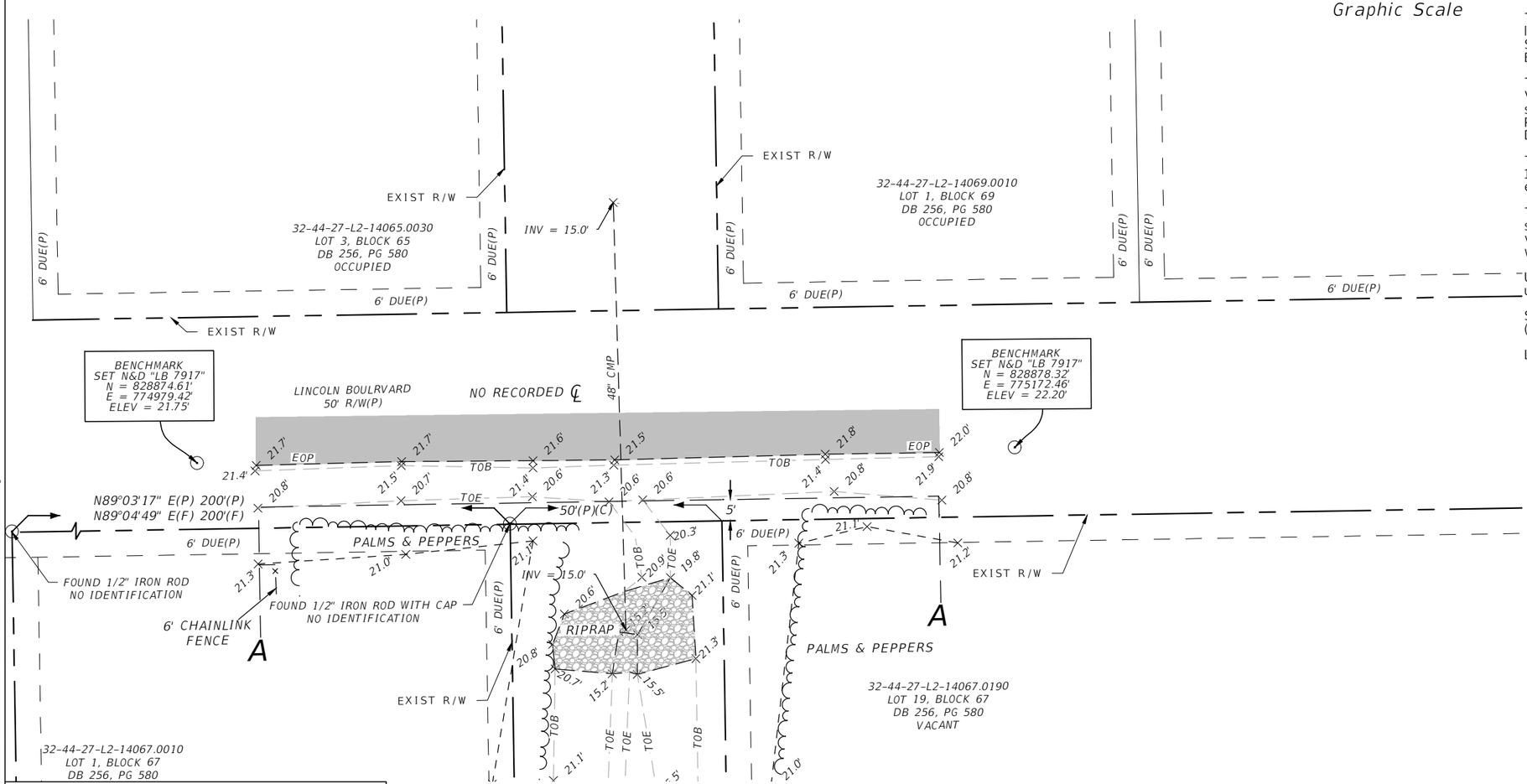
Topographic Survey of a Subject Project Site

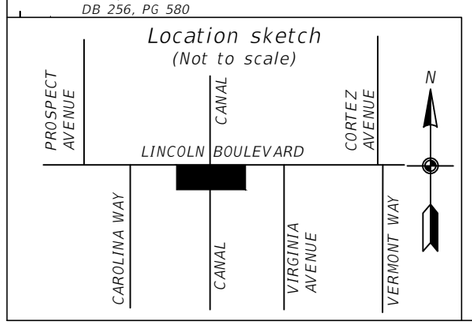
lying within

Section 32, Township 44 South, Range 27 East

Lehigh Acres, Lee County, Florida

SEE SHEET 02 FOR 1" = 20'
SECTION A-A PROFILE VIEW





LEGEND:

(P)	= PER PLAT	N&D	= NAIL AND DISK
(F)	= FIELD MEASURED	NAVD 88	= NORTH AMERICAN VERTICAL DATUM 1988
CB	= CATCH BASIN	OR	= OFFICIAL RECORDS BOOK
Δ	= DELTA ANGLE	PB	= PLAT BOOK
℄	= CENTER LINE	PG	= PAGE
CONC	= CONCRETE	R/W	= RIGHT OF WAY
CMP	= CORRUGATED METAL PIPE	RCP	= REINFORCED CONCRETE PIPE
CPP	= CORRUGATED PLASTIC PIPE	RNG	= RANGE
DB	= DEED BOOK	S/W	= SIDEWALK
DUE	= DRAINAGE AND UTILITY EASEMENT	SEC	= SECTION
ELEV	= ELEVATION	TOB	= TOP OF BANK
EOP	= EDGE OF PAVEMENT	TOE	= TOE OF SLOPE
EXIST	= EXISTING	TWP	= TOWNSHIP
INST#	= INSTRUMENT NUMBER	(TYP)	= TYPICAL
INV	= INVERT ELEVATION		

⊙	= FOUND MONUMENT
OE	= OVERHEAD UTILITY LINE
+20.0'	= SPOT ELEVATION
	= WIRE PULL BOX
	= SINGLE SUPPORT SIGN
	= GUY ANCHOR
BACKFLOW	= BACK FLOW PREVENTOR
	= VALVE COVER WATER
	= VALVE
	= WATER METER

N

0 15' 30'
(1" = 30')
Graphic Scale

NOTES:
Survey based on the plat of Section 32 as recorded in Plat Book 15 Page 46, Public Records of Lee County, Florida and existing monumentation.

This survey prepared is a Topographic Survey for the purpose of locating the features within and adjacent to the Lehigh Acres Municipal Services Improvement District-managed facility South of Lincoln Boulevard between Carolina Way and Virgina Avenue.

The elevations shown hereon are referenced to the North American Vertical Datum of 1988 (NAVD 1988). All elevations are reported in US survey feet and decimals thereof and are based upon the Florida Permanent Reference Network (FPRN) stations maintained by the Florida Department of Transportation.

The subject site lies within Zone "X" per FEMA insurance rate map 125124 C0475F (Published 08/28/2008), therefore has no base flood elevation.

The FEMA flood zone information indicated hereon is based on the maps supplied by the Federal Government. This flood information must be verified with all permitting regulatory entities prior to commencing any work or application dependent on said flood information.

Underground improvements, utilities and/or foundations were not located unless otherwise noted. Wetlands, if any, were not located.

Subject to easements, restrictions, reservations, and rights-of-way (recorded and unrecorded, written and unwritten).

Last day of field work: 04/02/2026

TAYLOR J. HENNINGE
License Number
7279
STATE OF FLORIDA
Professional Surveyor and Mapper

Taylor Henninge 2026.05.05 14:51:12-04'00'

TAYLOR J. HENNINGE
PROFESSIONAL SURVEYOR AND MAPPER
FLORIDA CERTIFICATE NO. LS# 7279

Not valid without the signature and the original seal of a Florida licensed surveyor and mapper.

This survey is only for the lands as described. It is not a certificate of title, zoning, easements or freedom of encumbrances.

This survey was prepared without benefit of an abstract of title and all matters of title should be referred to an attorney at law.

This survey has been electronically signed and sealed by Taylor J. Henninge using a digital signature and date. Print copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Lincoln Boulevard, Lehigh Acres

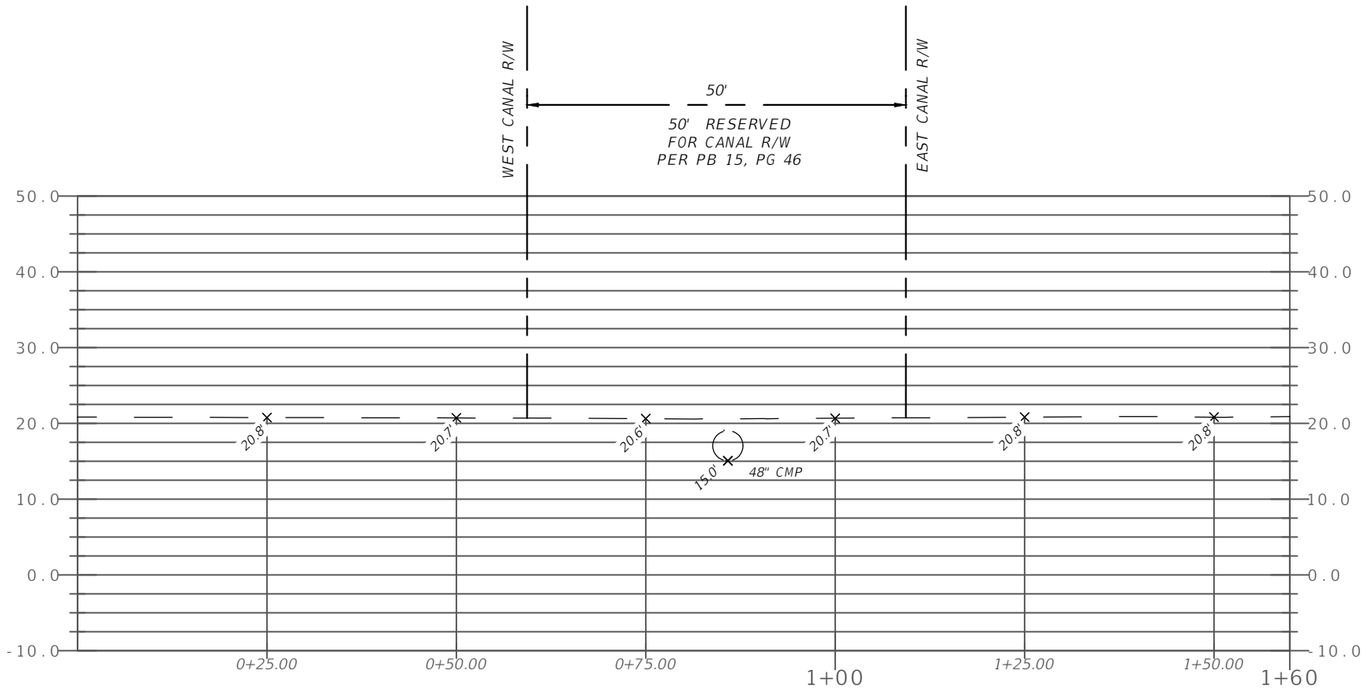
TOPOGRAPHIC SURVEY-PLAN VIEW

McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name: L078-401 Lincoln Blvd.dwg	Field book/page: 106981-1/43	Project No.: 106980001-L078
Survey date: 04/02/2026	Drawn by: KB	Checked by: TJH	Sheet No.: 01 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L078-401 LINCOLN BLVD\L078-401 Lincoln Blvd.dwg

Topographic Survey of a
Subject Project Site
Section 32, Township 44 South, Range 27 East
Lehigh Acres, Lee County, Florida



A-A Profile View
1" = 20' HORIZONTAL
1" = 20' VERTICAL

SEE SHEET 01 FOR LEGEND

Lincoln Boulevard, Lehigh Acres

TOPOGRAPHIC SURVEY-PROFILE VIEW

McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name:	Field book/page:	Project No.:
L078-401 Lincoln Blvd.dwg	106981-1/43	106980001-L078

Survey date:	Drawn by:	Checked by:	Sheet No.:
04/02/2026	KB	TJH	02 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L078-401 LINCOLN BLVD\L078-401 Lincoln Blvd.dwg

Petition to Vacate
Petition No:83-10
Description:Vacation of utility easement
Date of Approval:12/14/83
CCMB:139 Page:13

Petition to Vacate
Description:Vacation of part of plat
Date of Approval:05/13/64
CCMB:25 Page:48-48E-48G Incl

PLAT BOOK 15, PAGE 46

For Vacation of Part of Plat See C.C.M.B 25 Pg 48-48E to 48G Inclusive

Petition to Vacate
Petition: For vacation of part of plat
Date of Approval:05/13/64
CCMB:25 Page:48-48E to 48G



SCALE 1" = 200'

PLAT OF SECTION 32 TWP. 44 S RGE 27 E

A SUBDIVISION OF

LEHIGH ACRES

LEE COUNTY, FLA.

LEE COUNTY LAND & TITLE Co. DEVELOPERS

MARCH 9, 1960

Petition to Vacate
Petition No:93-18
Description:Vac. of drainage & utility easements;See CCMB
Date of Approval:06/30/93
Resolution No:93-06-46
CCMB:1993R Page:498
Recorded on:06/30/93 OR Book:2407 Page:498

NOTE
DIMENSIONS, BEARINGS, LOT AND LAND LINES ON DRAWING OF LATEST DATE SHALL GOVERN.

Petition to Vacate
Petition No:93-36
Description:Utility Easement See CCMB
Date of Approval:09/29/93
Resolution No:93-09-81
CCMB:1993R Page:764-765
Recorded on:04/06/94 OR Book:2487 Page:4028-4056

PLAT OF

LEHIGH ACRES

LEE COUNTY, FLORIDA

LEE COUNTY LAND AND TITLE COMPANY

DEVELOPERS

ACKNOWLEDGEMENTS

KNOW ALL MEN BY THESE PRESENTS, THAT LEE COUNTY LAND AND TITLE COMPANY, A CORPORATION UNDER THE LAWS OF FLORIDA, BEING THE OWNER OF THE LAND DESCRIBED IN THE CAPTION HEREON HAS CAUSED THIS PLAT OF LEHIGH ACRES TO BE MADE AND DO HEREBY DEDICATE TO THE PERPETUAL USE OF THE PUBLIC STREETS, ROADS, DRIVES AND/OR LANES SHOWN HEREON AND ALL CANAL RIGHT OF WAYS SHALL BE DEDICATED TO THE EAST COUNTY WATER CONTROL DISTRICT.

IN WITNESS WHEREOF GERALD H. GOULD AND EDWARD SHAPIRO, RESPECTIVELY PRESIDENT AND SECRETARY OF LEE COUNTY LAND AND TITLE COMPANY, BY AND WITH AUTHORITY OF IT'S BOARD OF DIRECTORS HAVE EXECUTED THESE PRESENTS FOR AND ON BEHALF OF SAID CORPORATION AND CAUSED IT'S CORPORATE SEAL TO BE AFFIXED THIS 10th DAY OF April A.D. 1961

LEE COUNTY LAND AND TITLE CO.

BY Gerald H. Gould
President

ATTEST Edward Shapiro
Secretary

STATE OF FLORIDA
COUNTY OF LEE

I HEREBY CERTIFY THAT ON THIS DAY, BEFORE ME AN OFFICER DULY AUTHORIZED TO TAKE ACKNOWLEDGEMENTS, PERSONALLY APPEARED GERALD H. GOULD AND EDWARD SHAPIRO, RESPECTIVELY PRESIDENT AND SECRETARY OF LEE COUNTY LAND AND TITLE COMPANY, TO ME KNOWN TO BE THE PERSONS DESCRIBED IN AND WHO EXECUTED THE FOREGOING DEDICATION AS PRESIDENT AND SECRETARY RESPECTIVELY OF LEE COUNTY LAND AND TITLE COMPANY FOR THE PURPOSES THEREIN SET FORTH.

WITNESS MY HAND AND OFFICIAL SEAL AT FORT MYERS, SAID COUNTY AND STATE THIS 10th DAY OF April A.D 1961

Jean Welchler
NOTARY PUBLIC STATE OF FLORIDA AT LARGE
My Commission Expires July 19, 1964

APPROVALS

THIS PLAT APPROVED THIS 12 DAY OF April A.D. 1961 IN OPEN MEETING OF THE BOARD OF COUNTY COMMISSIONERS OF LEE COUNTY, FLORIDA.

APPROVED Gloria S. Hunter
Chairman

D. L. Farahee
Clerk

County Attorney

Stacy Bruce
County Road Superintendent

260798

I HEREBY CERTIFY THAT THIS PLAT OF LEHIGH ACRES, HAS BEEN EXAMINED BY ME AND FROM MY EXAMINATION I FIND THAT SAID PLAT COMPLIES IN FORM WITH THE REQUIREMENTS OF SURVEY LAWS OF FLORIDA.

I FURTHER CERTIFY THAT SAID PLAT WAS FILED FOR RECORD AT FORT MYERS THIS 13 DAY OF April A.D. 1961, AND DULY RECORDED IN PLAT BOOK 15 ON PAGES 1-101 OF PUBLIC RECORDS OF LEE COUNTY, FLORIDA.

D. L. Farahee
Clerk Of The Circuit Court In And For Lee County

SURVEYORS CERTIFICATE

I THE UNDERSIGNED CERTIFY THAT THE PLAT AS SHOWN IS A CORRECT REPRESENTATION OF THE LANDS PLATTED.

R. V. Jamme

PLAT OF

LEHIGH ACRES

LEE COUNTY, FLORIDA

LEE COUNTY LAND AND TITLE COMPANY

DEVELOPERS

DESCRIPTION

TOWNSHIP 43 SOUTH, RANGE 27 EAST

The Southeast 1/4 of Section 36

TOWNSHIP 44 SOUTH, RANGE 27 EAST

The South 1/2 and the North 1/2 of the North 1/2 of Section 1; the East 1/2 and the East 1/2 of the Northwest 1/4 and the Southwest 1/4 of the Northwest 1/4 of Section 2; the South 1/2 of Section 7, 8 and 9; all of Sections 11 through 21 inclusively and all of Sections 23 through 28 inclusively; all of Section 29 except that part lying South of the South Right of Way of Able Canal; all of Sections 35 and 36 inclusively; all of Section 32 except the following: Units 1, 2 and 3 of Section 32 as recorded on pages 124, 125 and 126 of Plat Book 9. Units 4, 5, 7, 10, 11 and 18 of Section 32 as recorded on Pages 50 through 55 inclusively of Plat Book 12. Unit 20 of Section 32 as recorded on Pages 86 through 89 inclusively of Plat Book 10. Part of Unit 3 as recorded on Page 23 of Plat Book 12. Addition to Unit 20 as recorded on Pages 36 and 37 of Plat Book 13 all of the Public Records of Lee County, and all of section 33 except the following: Units 4 and 10 of Section 33 as recorded on Page 52 of Plat Book 12. Unit 5 of Section 33 as recorded on Page 29 of Plat Book 12. Bear Lake Subdivision as recorded on Pages 38 and 39 of Plat Book 13. Replat of Lots 1 through 6, Block 4e, Section 33, Township 44 South, Range 27 East as recorded on Page 84 of Plat Book 12 all of the Public Records of Lee County and that part of Section 34 described as Follows; Beginning at the Northwest Corner of Section 34, Township 44 South, Range 27 East go North 89°-12'-26" East, 1919.76 feet; thence South 00° 06'-48" East, 1468.91 feet; thence South 89°-12'-26" West, 1919.76 feet; thence North 00°-06'-48" West, 1468.91 feet to the Point of beginning; and that part of section 34, Twp. 44 S., Rge 27 E., described as follows: commencing at the Southwest corner of Section 34; thence North 00°-06'-48" West along the West line of said Section 1403.40 feet to the Northerly right of way line of Joel Boulevard; thence North 88°-58'-52" East along said Northerly right of way 15.80 feet to the P.C. of a curve; thence Northeasterly on a tangential curve to the left, with a radius of 676.18 feet, a distance of 400.21 feet, to the P.T. of said curve, thence North 55°-05'-58" East, continuing along said Northerly right of way of Joel Boulevard, 1012.50 feet to the Southwesterly right of way of David Avenue, said point also being the actual point of beginning of the tract of land to be described; thence North 34°-54'-02" West along said southwesterly right of way line 1610 feet; thence North 55°-05'-58" East, a distance of 200 feet; thence South 34°-54'-02" East, a distance of 90 feet; thence North 55°-05'-58" East, a distance of 175 feet; thence North 87° 55'-40" East, a distance of 184.45 feet; thence South 34°-54'-02" East, a distance of 185 feet; thence South 55°-05'-58" West, a distance of 280 feet; thence South 34°-54'-02" East, a distance of 375 feet; thence South 55°-05'-58" West, a distance of 200 feet; thence South 34°-54'-02" East, a distance of 860 feet; thence South 55°-05'-58" West, a distance of 50 feet, to the actual Point of Beginning; and all of Section 22 lying West of the West right of way line of Gerald Avenue as shown on the Plat of a Subdivision of Part of Lehigh Acres recorded on Pages 50 through 55 inclusively of Plat Book 12 of the Public Records of Lee County, Florida.

TOWNSHIP 44 SOUTH, RANGE 26 EAST

All of Sections 1, 2, 11, 12, 13, 23, 24, 26, 27, 32, 33, 34, 35, and 36; and the South 1/2 of Sections 29 and 30; and the South 100 feet of the North 1/2 of Section 30; and the East 1/2 of Section 14; the South 1/2, and that part of the North 1/2 of Section 28, lying East of Buckingham Road; all of Block E, Lot 1, Block 38 of Buckingham Park, south section as recorded in Plat Book 9, Page 99 of the Public Records of Lee County, Florida, and all that part of Section 22 lying South and West of the southerly right of way of Homestead Road, except Lots 1 through 7 inclusively, Block 37 of Buckingham Park south section as recorded in Plat Book 9, Page 99 of the Public Records of Lee County, Florida; and that part of Section 31, lying North of the Northerly right of way of State Road 82; and all of Section 25 except Units 3 and 6 and Units 11 and 12 as recorded in Plat Book 13, Pages 21, 22 and 23 of the Public Records of Lee County, Florida.

TOWNSHIP 45 SOUTH, RANGE 26 EAST

All of Sections 1, 2, 3 and 12, all of that part of sections 4, 5, 6, 9, 10, 11, 13 and 14 lying North of the Northerly right of way of State Road 82.

PART IV #26-93

Recommended Action

Engineering Review:

By: _____6/17/2026 **Approved _X_ Denied __**

District Field Review:

By: _____ Approved ___ Denied ___

District Manager: _____ Date: _____

Comments:

The referenced permit application submitted by Lumos Fiber of Florida, LLC for a subaqueous crossing Spur C Canal (47-32-2) at 401 Lincoln Blvd., in Lehigh Acres, has been reviewed and is recommended for approval with the following stipulations:

1. On sheet 7 of the plans, please remove or modify dimensions of 16.1' and 16.3', as well as make the bore elevations (4.5') more noticeable to avoid construction site mistakes.

2. On sheet 7 of the site plans, minimum 10' offset from canal bottom, Disturbed R/W sodding requirements, and 48" minimum bore offsets from pavement notes are missing, please revise.

3. On sheet 11 of the plans, the culvert crossing detail specifies 24" minimum offset from culvert, if the detail is depicting a canal crossing, the offset should be 120" or 10'. If not, please include a note to clarify that the details do not apply to LA-MSID canal crossing.

4. Permanent above-ground cable markers must be placed at the canal right-of-way (R/W) line on each side of the crossing.

5. Any disturbed canal R/W must be restored with sod and maintained until fully established. Seeding will not be permitted.

6. Within 30 days of completing the improvements, provide LA-MSID with a copy of the survey record drawings indicating the location and elevation of utilities within the canal R/W.

7. The permittee will be responsible for any necessary repairs, alterations, or relocation of the utility if required for future maintenance or repairs of the canal.

8. Lee County DOT must review and approve any utility work proposed within the County Road R/W.

LEHIGH ACRES - MUNICIPAL SERVICES IMPROVEMENT DISTRICT
PERMIT

THIS PERMIT is granted this 20th day of July, 2026, by Lehigh Acres Municipal Services Improvement District (hereinafter referred to as "DISTRICT"), 601 East County Lane, Lehigh Acres, Florida 33936, to Lumos Fiber of Florida, LLC, 4100 Mendenhall Oaks Parkway, Suite 300, High Point, NC 27265, hereinafter referred to as the "Permittee") as a non-exclusive permit for a directional bore under Jig Canal (47-33-2), along the north side of E. 3rd St., between Purdue St. & Schoolside Dr., in Lehigh Acres, FL.

W I T N E S S E T H:

1. In the event the DISTRICT is not the fee title owner of the real property (the "Property") to which this Permit is applicable, the Permittee agrees, prior to commencement, to obtain all necessary consents from the fee title owners of the Property.

2. This Permit does not constitute a waiver of the necessity by the Permittee to obtain such other necessary and appropriate permits required by other governmental bodies or agencies; therefore the Permittee, prior to commencement, is required to obtain any and all other applicable federal, state, and local permits required in connection with Permittee's use of the Property and agrees that at all times it will comply with the requirements of all federal, state and local laws, ordinances, rules and regulations applicable or pertaining to the use of the Property by the Permittee.

3. Permittee understands and agrees that the use of the Property pursuant to this Permit is subordinate to the rights and interests of the DISTRICT and to the extent applicable that of the fee title owner of the Property. Further, Permittee does hereby stipulate that the Permittee is not relying upon any representations whatsoever by the DISTRICT regarding the DISTRICT'S right, title, interest, or ownership as to the Property for which this Permit is applicable.

4. The Permittee, by accepting this permit, specifically agrees to allow authorized District Personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:
    a. Having access to and copying any records that must be kept under the conditions of the permit:
    b. Reviewing the facility, equipment, practices, or operations regulated or required under this permit; and
    c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or District rules.

5. The DISTRICT specifically reserves the right to maintain its facilities located over, under or upon the Property; to make improvements; add additional facilities; maintain, construct or alter its roads; maintain any facilities, devices, or improvements on the Property which aid in or are necessary to the DISTRICT'S operation; and the right to enter upon the Property at all times for such purposes. Permittee understands that in the exercise of such rights and interest, the DISTRICT may require Permittee, at no cost to DISTRICT, to relocate, alter, or remove the Permittee's facilities and equipment or other improvements made by Permittee pursuant to this Permit which interfere with or prevent the DISTRICT, in the DISTRICT'S opinion, from properly and faithfully constructing, improving and maintaining its facilities. If the Permittee should fail to relocate, alter, or remove the Permittee's facilities, equipment or other improvements made by the Permittee pursuant to this Permit within a reasonable time period following receipt of notice from the DISTRICT requesting same, then in that event the DISTRICT shall have the right to enter upon the lands and make such relocation, alterations or removal of the Permittee's facilities, equipment/or other improvements at no cost to DISTRICT.

6. Permittee agrees that it will not use the Property in any manner which interferes with the DISTRICT'S

use of the Property or causes a hazardous condition to exist.

7. The DISTRICT assumes no responsibility for the ownership, operation and/or maintenance of the Permittee's facilities as permitted herein.

8. The Permittee agrees to backfill any excavation it makes within the Property and to repair or replace (i) any below-grade authorized facilities and features located therein, including but not limited to: water, sewer, stormwater or irrigation facilities, structures or appurtenances and (ii) as to at or above-grade facilities and features, this requirement shall only be applicable to grasses and sod, sidewalks, and roadway improvements (the term roadway improvements shall include but not be limited to curbing, roadway base, sub grade and asphaltic or concrete surfaces) which are removed or damaged as a direct result of said excavation. Such repair or replacement shall substantially restore these features to their condition as it existed immediately prior to the event precipitating the excavation.

9. All below-grade Permittee installations, including water and sewer lines, whether sub aqueous or not, together with appurtenant facilities, shall be located underground and have a minimum ground cover of thirty inches (30") below original design profile grade, including District waterways and roadways.

10. All Permittee activity related to sub aqueous utility, water and/or sewer lines, including appurtenant facilities, shall be conducted in such fashion that the primary functional purpose of the canal or lake body facility, specifically flood control, within which the activity is taking place is not adversely affected. More specifically, sub aqueous construction shall conform to the criteria given in the Lehigh Acres Municipal Services Improvement District (Lehigh Acres – MSID) Administrative Policy and Procedures.

11. Permittee shall, at no expense to DISTRICT and within a reasonable time following notice, adjust the positions and elevations of its facilities as may be required in connection with future improvements to, or construction of, works of the DISTRICT.

12. Permittee does hereby indemnify and hold harmless the DISTRICT, its Board of Commissioners, officers, personnel, and it's Engineers against any claims, losses, damages (including consequential), expenses, or legal fees that might arise out or result from the implementation of the proposed project by the Permittee or that may be caused by a failure of DISTRICT facilities or property.

13. The Permittee shall be obligated at the time of submission of its Permit application, to provide a detail of any other existing improvements located over, under, upon or through the Property and the Permittee's accompanying plans and specifications shall clearly indicate how the Permittee will comply with required clearances between the requested permitted activity and existing improvements located over, under and upon the Property, including compliance with other permitted users duly adopted and published standards.

14. Permittee shall reimburse the DISTRICT for its legal, engineering and other expenses incurred as a result of the implementation of the proposed project.

15. If Permittee should violate any of the terms or conditions of the Permit and shall not correct or remedy same within ten (10) days of receiving written notice of said violation from the DISTRICT, then in that event, the DISTRICT may, at its option, revoke, cancel and terminate this Permit.

16. This Permit may not be assigned by the Permittee without the prior written approval of the DISTRICT.

17. Unless otherwise adjusted, modified or terminated as set forth hereinabove, including the Conditions attached hereto, this Permit shall continue in full force and effect so long as Permittee complies with the

terms of this Permit.

18. In any litigation, including breach, enforcement or interpretation arising out of this Permit, the prevailing party to this Permit shall be entitled to recover reasonable attorney's fees, costs and expenses related to said action from the non-prevailing party.

19. That attached hereto are Supplemental Conditions to this Permit which are incorporated herein and made a part hereof.

LEHIGH ACRES – MUNICIPAL SERVICES IMPROVEMENT DISTRICT

BY: _____

NAME TYPED: David E. Lindsay

TITLE: District Manager

SUPPLEMENTAL CONDITIONS TO PERMIT NO. 26-94

A. GENERAL CONDITIONS

1. Notification shall be given by the Permittee to the District Engineer, AIM Engineering, at 239-332-4569 forty-eight (48) hours prior to commencement of the permitted activity. The District Engineer shall establish points of construction, if applicable, which will require inspection by the District Engineer prior to construction of the permitted activity. When the Permittee considers the permitted activity complete, the Permittee shall notify the District Engineer and schedule an on-site final inspection which shall be held in the presence of a representative of the Permittee and the District Engineer.

2. The permitted activity shall be implemented, constructed and/or installed in full accordance with the approved plans and specifications within six (6) full calendar years from the date of permit approval. Deviations from the approved plans or specifications shall be coordinated with and approved by the District Engineer prior to implementation of any such deviation.

3. When working in a District road right-of-way, not more than one-half (½) of the road or street shall be closed and traffic shall be controlled so as to provide for the safety and minimum hindrance to the public. All traffic control operations shall conform to the most current issue of the Florida Department of Transportation publication "Manual on Traffic Controls and safe Practices for Street and Highway Construction, Maintenance and Utility Operations."

4. The District Engineer shall be the final authority as to the quality and quantity of the material and works required to satisfy the terms and conditions of this Permit as they relate to District improvements and facilities.

5. Upon completion of the permitted activity and after its final review and acceptance by the District Engineer THE PERMITTEE SHALL DELIVER TO THE DISTRICT OFFICE ONE COMPLETE SET OF THE FINAL "RECORD DRAWINGS." FAILURE TO PROVIDE THE FINAL RECORD DRAWINGS MAY RESULT IN THE REVOCATION, CANCELLATION AND TERMINATION OF THIS PERMIT.

6. The above Conditions shall be continuing obligations of the Permittee and shall be complied with in the event of any subsequent maintenance, repair, replacement or modification of the permitted improvement.

Stipulations:

1). Permit #26-94 is approved according to the plans submitted May 28th, 2026.

2). The proposed directional bore must maintain a minimum clearance of 10 feet below the bottom elevation of the canal for the entire 80' within the canal right of way.

3). Permanent utility markers, (at least 4' high) with the utility companies contact information clearly labeled on it, must be installed at each canal right of way line over top the proposed line.

4). All guy wires, poles, pull boxes, etc. must be located outside of the canal right of way and not interfere with the District's canal maintenance activities.

5). All canal R/W that is disturbed must be restored with sod and maintained until well established (no seeding will be allowed).

6). Boring contractor is not allowed to pump water out of the LAMSID canals for their boring operations unless they apply for and receive a water use permit from LAMSID.

7). The Permittee will be responsible for any repairs, alterations, or relocation of the utility if required for repairs or maintenance of the canal in the future.

8). Provide LAMSID with a copy of your record drawings and a copy of your bore depth logs showing where your utilities are located within the canal R/W and at what elevation they are located, within 30 days following completion of the improvements.

9). Lee County DOT must review and approve the utility work that is outside of the canal right of way along E. 3rd St.

06 - 08 - 26

26 - 94

APPLICATION FOR A PERMIT

*Note: The review of permit applications will be conducted per the Lehigh Acres Municipal Services Improvement District's Administrative Policy and Procedures

AGENT NAME: WILLIAM KIEFER **PHONE #:** (515) 306 - 3403

PROJECT NAME: LE1_016_FDH_002 206 E 3RD ST - JIG CANAL 47-33-2

TOTAL ACREAGE: N/A

Property Address (STRAP associated with this address will be used as the primary STRAP for this project): 206 E 3RD ST					
Mailing Address:	N/A				
City:	LEHIGH ACRES	**State:**	FLORIDA	**Zip:**	33936

STRAP NUMBERS (*attach additional sheet if necessary*):

32 - 44 - 27 - L2 - 01009 - 0280

Brief description of proposed project:

Application for: DIRECTIONAL BORE 2x1.25" HDPE SDR 11 CONDUIT 80' IN THE LAMSID ROW OF JIG CANAL (47-33-2) ALONG E 3RD ST

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JUN 18 2026

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

Is the project proposed to be developed in phases? ☐ Yes ☑ No

Estimated # of Phases:	1
***Permit Fee:**	$1950.00 **(to be verified by staff)**

* See Administrative Policy and Procedures Sections 4.15 – 4.17 for current Permit Fee Amount.

PART II

OWNER/APPLICANT/ DEVELOPER INFORMATION

A.

Name of Applicant	LUMOS FIBER OF FLORIDA, LLC				
Mailing Address:	**Street:**	4100 MENDENHALL OAKS PKWY, SUITE 300			
City:	HIGH POINT	**State:**	NORTH CAROLINA	**Zip:**	27265
Phone No.	**Area Code:** 515	**Number:**	306 - 3403	**Ext.**	
Fax No.	**Area Code:**	**Number:**	-		
E-mail Address:	WILLIAM.KIEFER@LUMOSFIBER.COM				

B. Relationship of applicant to property*:

Owner* ☐ **Trustee*** ☐ **Option holder*** ☐ **Lessee*** ☐

Contract Purchaser* ☐ **Other (indicate)*** ☑ UTILITY

C.

Name of Developer:	MILENIUM DIRECTIONAL DRILLING, INC				
Mailing Address:	**Street:**	5395 COGSWELL DR			
WAYNE		**State:**	MI	**Zip:**	48184
	Area Code: (313)	**Number:**	326 - 2333	**Ext.**	
Fax No.	**Area Code:** ( )	**Number:**	-		
E-mail Address:	FELECAND@MILENIUMBORS.COM				

D.

Name of Authorized Agent(s):	CENTILLION SOLUTIONS						
Mailing Address:	Street:	6030 BETHELVIEW RD, SUITE 301					
City:	CUMMING	State:	GEORGIA		Zip:	30040	
Phone No.	Area Code:	(480)	Number:	442 - 0562	Ext.		
Fax No.	Area Code:	( )	Number:	-			
E-mail Address:	KYLE.PARKEY@CENTILLIONSOLUTIONS.COM						

E.

Name of Property owner:	N/A						
Mailing Address:	Street:						
City:		State:			Zip:		
Phone No.	Area Code:	( )	Number:	-	Ext.		
Fax No.	Area Code:	( )	Number:	-			
E-mail Address:							

*A disclosure of the name of all persons or entities having an ownership interest in the property is required (attached).

PART III

DISCLOSURE OF OWNERSHIP INTEREST FORM FORM:

PRIMARY STRAP NUMBER:

1. If the property is owned in the fee simple by an **INDIVIDUAL**, tenancy by the entirety, tenancy in common, or joint tenancy, list all parties with an ownership interest as well as the percentage of such interest.

Name and Address	Percentage of Ownership

2. If the property is owned by a **CORPORATION**, list the officers and stockholders and the percentage of stock owned by each.

Name, Address, Office	Percentage of Stock

3. If the property is in the name of a **TRUSTEE**, list the beneficiaries of the trust with percentages of interest.

Name and Address	Percentage of Interest

4. If the property is in the name of a **GENERAL PARTNERSHIP OR LIMITED PARTNERSHIP**, list the names of general and limited partners.

Name and Address	Percentage of Interest

5. If there is a **CONTACT FOR PURCHASE**, whether contingent on this application Or not, and whether a Corporation, Trustee, or Partnership, list the names of the contract purchasers below, including the officers, stockholders, beneficiaries, or partners.

Name and Address	Percentage of Interest

Date of Contract (mm/dd/yy): / /

6. If any contingency clause or contract terms involve additional parties, list all individuals or officers, if a corporation, partnership, or trust.

Name and Address	Percentage of Interest

For any changes of ownership of changes in contracts for purchase subsequent to the date of the application, but prior to the date of final certificate for compliance, a supplemental disclosure of interest must be filed.

The above is a full disclosure of all parties of interest in this application, to the best of my knowledge and belief.

William Kiefer
SIGNATURE OF APPLICANT

WILLIAM KIEFER
PRINTED OR TYPED NAME OF APPLICANT

STATE OF FLORIDA
COUNTY OF LEE

The foregoing instrument was acknowledged before me this 17th day of June (m), 2026 (y), by William Kiefer who is personally know to me or has produced _____ as identification.

Shandie N Bradshaw
SIGNATURE OF NOTARY PUBLIC

Shandie N Bradshaw
PRINTED NAME OF NOTARY PUBL

SHANDIE NICOLE BRADSHAW NOTARY PUBLIC REG. #7132142 MY COMMISSION EXPIRES August 31, 2026 COMMONWEALTH OF VIRGINIA

PART IV

EXPLANATION

All Permit Application sections must be completed and submitted.

Permit Application fees and submittal items (see Part VI) must be submitted with the application.

Any and all work involving the lands and/or facilities of the District shall not commence without a Board approved permit.

All set policies, procedures, technical requirements, and fee schedules can be found and reviewed in the 'Administrative Policy and Procedures Guide'. The Guide is available at the District Office located at 601 East County Lane, Lehigh Acres, FL or online at la-msid.com/.

PART V

PROFESSIONAL CONSULTANT FORM

ATTORNEY

Name:					
Mailing Address:					
City:		**State:**		**Zip:**	
Business No.	**Area Code:** ( )	**Number:** -		**Ext.**	
Other Contact:					

ENGINEER

Name:	MCKIM & CREED				
Mailing Address:	5701 DIVISION DR, STE A				
City:	FORT MYERS	**State:**	FLORIDA	**Zip:**	33905
Business No.	**Area Code:** (239)	**Number:**	980 - 3384	**Ext.**	
Other Contact:					

OTHER REPRESENTATIVE/PROFESSIONAL

Name:	BLAIR CONSULTING SERVICES, INC				
Mailing Address:	1428 SUNBLUSH LN				
City:	LAS VEGAS	**State:**	NV	**Zip:**	89117
Business No.	**Area Code:** (813)	**Number:**	579 - 0128	**Ext.**	
Other Contact:					

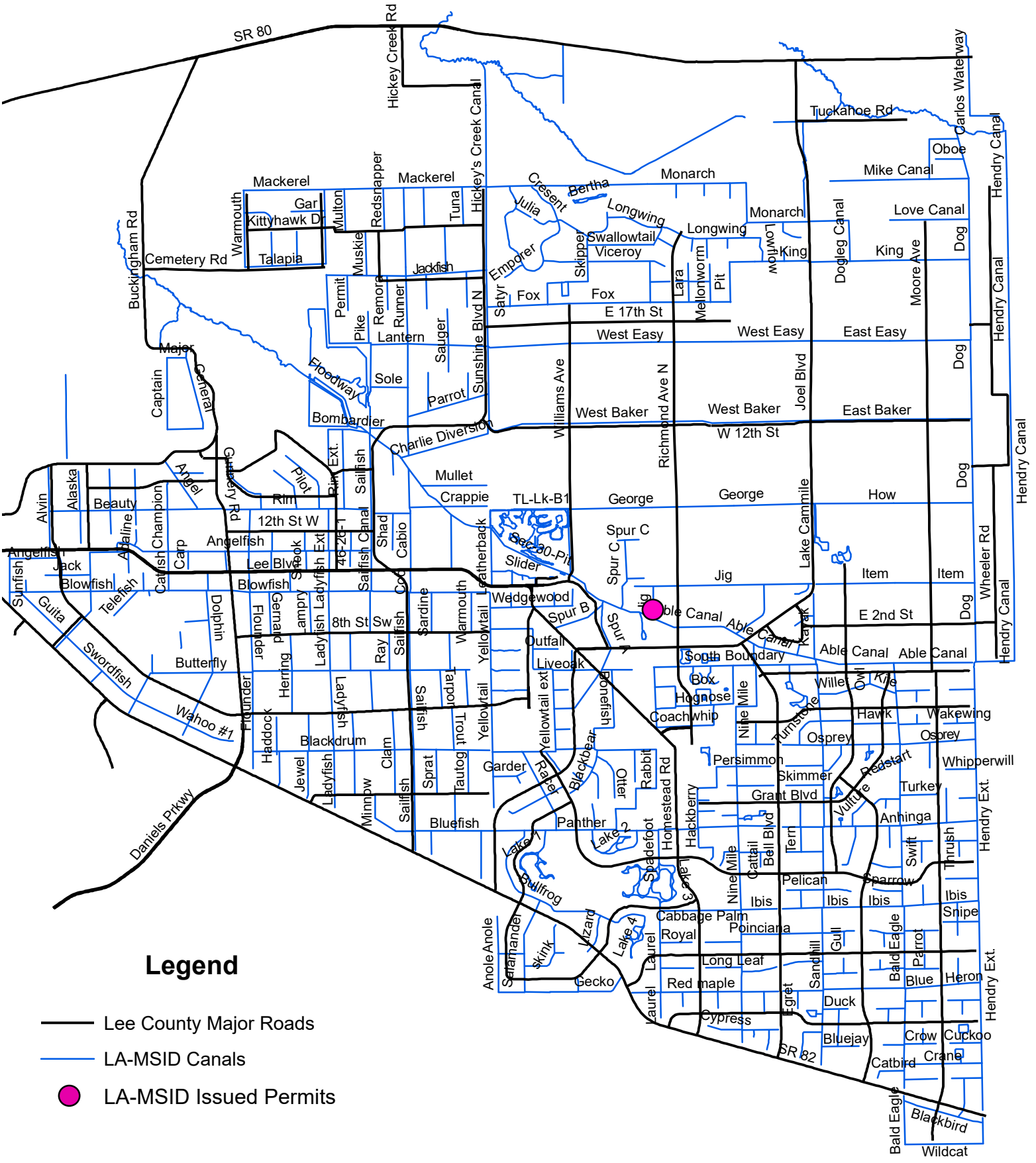
PART VI

SUBMITTALS

NO. OF COPIES		SUBMITTAL DOCUMENT
SUB'D	REQ'D	
		ITEMS REQUIRED FOR INITIAL SUBMITTAL
2	2	**Construction/Development Plans** signed and sealed by a Licensed Florida Professional Engineer including: 1. Location map showing the location of the proposed project in relation to adjacent streets and LA-MSID facilities. 2. Details of proposed works that fully communicate the work and/or use desired (i.e. Existing Conditions Survey, Proposed Site Plan, Paving Grading & Drainage Plan, Cross Sections, Element Details, and Erosion Control Plan sheets). 3. Sufficient survey data to determine elevations, property and ROW lines, limits of existing and proposed conditions, and notation of utilized vertical datum (NAVD/NGVD).
NA	2	**Stormwater Drainage Calculations** signed and sealed by a Licensed Florida Professional Engineer including, but not limited to, computer stormwater routing modeling data (ICPR4, Cascade, etc.) to verify compliance with the Design Criteria (input summary data below): **Water Quality Volume (Required):** _____(ACRE-FT) **Water Quality Volume (Provided):** _____(ACRE-FT) **Control Elevation:** _____(FT-NGVD) **Minimum Road/Parking Elevation:** _____(FT-NGVD) *(above the 10-year, 1-day design storm peak stage elevation)* **Minimum Perimeter Berm Elevation:** _____(FT-NGVD) *(above the 25-year, 3-day design storm peak stage elevation)* **Minimum Finished Floor Elevation:** _____(FT-NGVD) *(above the 100-year, 3-day design storm peak stage elevation and previously experienced high-water levels external to project)*
2	2	**Flash Drive / CD** containing plans in both AutoCAD (.dwg file drawn in "State Plane Coordinates") and PDF formats.
2	2	**Permit Application** (PARTS I & II)
2	2	**Disclosure of Owner Form (signed and notarized)** (PART III)
2	2	**Professional Consultant Form & Submittals** (PARTS V & VI)
NA	2	**Copy of Approved FDEP Notice of Intent (NOI)** for all sites one (1) acre and greater in size.
NA	2	**Copy of approved SWFMD permit**, for all sites required to get a permit, **or FDEP "10/2 Self-Certification"** approval.
1	1	**Check for appropriate Permit Fees** made out to LA-MSID.

Lehigh Acres Municipal Services Improvement District
♦601 East County Lane ♦Lehigh Acres, FL 33936 ♦Phone: (239) 368-0044

Permit # 2026-94

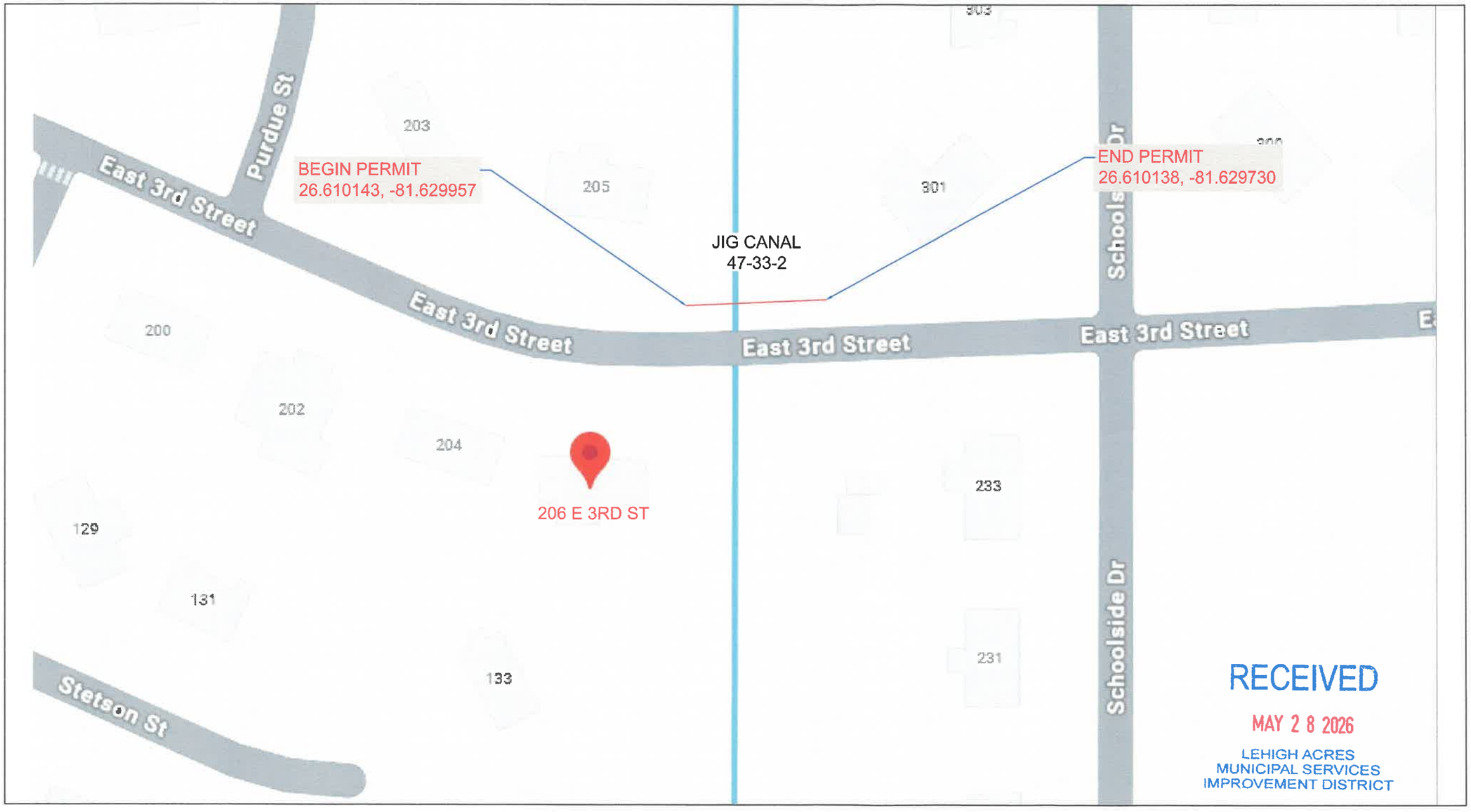


Legend

- Lee County Major Roads
- LA-MSID Canals
- LA-MSID Issued Permits

LE1_016_FDH_002 - LEHIGH ACRES_LEE COUNTY_FLORIDA - JIG CANAL

206 E 3RD ST, LEHIGH ACRES, FL 33936 (26.610106, -81.629868)



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MAY 2 8 2026
LEHIGH ACRES
MUNICIPAL SERVICES
IMPROVEMENT DISTRICT

PERMIT #:

PROJECT DESCRIPTION

- BURIED PLACEMENT OF 300' OF (2) 1.25" HDPE SDR 11 CONDUIT EQUIPPED WITH (1) 96-CT FIBER OPTIC CABLE. (0) PROPOSED HANDHOLES.
- PIPE TO BE INSTALLED BY MEANS OF HORIZONTAL DIRECTIONAL DRILLING AND HAND DIGGING METHODS.
- ALL AREAS DISTURBED BY INSTALLATION TO BE RESTORED TO EXISTING OR BETTER CONDITION.

DRAWING INDEX

SHEET NUMBER	SHEET TITLE	SHEET NUMBER	SHEET TITLE
1	COVER SHEET	7	PROFILE VIEW
2	SOW AND CONTACTS	8 - 9	IMAGES
3	LEGEND	10 - 12	TYPICALS
4 - 5	GENERAL NOTES		
6	PROJECT SHEETS		

PERMITTING AGENCY
LA - MSID

lumos

BLAIR CONSULTING SERVICES, Inc.

1428 SUNBLUSH LN
LAS VEGAS, NV 89117

811 Know what's below. Call before you dig.

Blair Consulting Services, INC
1428 Sunblush Ln, Las Vegas, NV 89117
Fabio Perassi - Project Manager
fsperassi@gmail.com

LUMOS
William Kiefer - OSP Project Engineer
william.kiefer@lumosfiber.com
Phone: (515) 306-3403

Jason Bush - Construction Manager
jason.bush@lumosfiber.com
Phone: (941)812-2913

EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND BASED ON AVAILABLE RECORDS AND FIELD OBSERVATIONS. CONTRACTOR IS RESPONSIBLE FOR CALLING 811 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES AND ANY DAMAGE TO THE UTILITIES SHALL BE IMMEDIATELY REPAIRED AT THE CONTRACTOR'S EXPENSE.

REVISION DATA

NO	DESCRIPTION	BY	DATE
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SHEET TITLE: COVER SHEET

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_016_FDH_002
DESCRIPTION:	JIG CANAL
DRAWING NAME:	LE1_016_FDH_002 - LEHIGH ACRES_LEE COUNTY_FLORIDA - JIG CANAL
SHEET:	1 OF 12

SCOPE OF WORK

- BURIED PLACEMENT OF 300' OF (2) 1.25" HDPE SDR 11 CONDUIT EQUIPPED WITH (1) 96-CT MICROFIBER OPTIC CABLE. (0) PROPOSED HANDHOLES.
- PIPE TO BE INSTALLED BY MEANS OF HORIZONTAL DIRECTIONAL DRILLING AND HAND DIGGING METHODS.
- ALL AREAS DISTURBED BY INSTALLATION TO BE RESTORED TO EXISTING OR BETTER CONDITION.

UTILITY OWNER CONTACTS

LUMOS
William Kiefer - OSP Project Engineer
William.kiefer@lumosfiber.com
Phone: (515) 306-3403

Jason Bush - Construction Manager
jason.bush@lumosfiber.com
Phone: (941)812-2913

ENGINEERING COMPANY

Blair Consulting Services, INC
1428 Sunblush Ln,
Las Vegas, NV 89117

PROJECT MANAGER
Fabio Perassi
813-579-0128
fsperassi@gmail.com

UTILITIES CONTACTS

CENTURYLINK
BILL MCCLOUD
(850) 815-3144

LEE COUNTY ELECTRIC CO-OP
TOM BAILEY
(239) 656-2414

LUMOS FIBER OF FLORIDA, LLC
MARLON BROWN - SR DIRECTOR
MARLON.BROWN@LUMOSFIBER.COM
(540) 278-0304

FLORIDA GOVERNMENTAL UTILITIES AUTHORITY - LEHIGH
POTABLE WATER/SANITARY SEWER
LINA MARIA QUINTERO, PE
(727) 858-2396

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT
MICHAEL COOK
(239) 368-0044 Ext. 16
MCOOK@LA-MSID.COM
STORM WATER/CANALS

LEE COUNTY DEPARTMENT OF TRANSPORTATION (DOT)
COMMERCIAL RIGHT OF WAY USE PERMIT
(239) 533-8580
ROADS

FDOT
DISTRICT 1 - COUNTIES: CHARLOTTE, COLLIER, DESOTO, GLADES, HARDEE, HENDRY, HIGHLANDS, LEE, MANATEE, OKEECHOBEE, POLK, SARASOTA
801 N. BROADWAY AVENUE
BARTOW, FLORIDA 33830
PHONE: (800) 292-3368
PHONE: (239) 225-1900

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BLAIR CONSULTING SERVICES, Inc.

1428 SUNBLUSH LN
LAS VEGAS, NV 89117

811 Know what's below. Call before you dig.

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REVISION DATA

NO.	DESCRIPTION	BY	DATE
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SHEET TITLE:	SOW & CONTACTS
PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_016_FDH_002
DESCRIPTION:	JIG CANAL
DRAWING NAME:	LE1_016_FDH_002 - LEHIGH ACRES_LEE COUNTY_FLORIDA - JIG CANAL
SHEET:	2 OF 12

LINETYPES

UG FIBER – EXISTING
UG FIBER – PROPOSED

AERIAL FIBER – EXISTING
AERIAL FIBER – PROPOSED

COMMUNICATION

RECLAIM WATER

DITCH

GUARDRAIL

ROAD CENTERLINE

EASEMENT

GAS

WATER

TELEPHONE

ELECTRIC

SANITARY SEWER (SEW)

STORM DRAIN

FENCE

CABLE TV

STEAM

OIL

UNKNOWN UTILITY

RIGHT OF WAY

EDGE OF PAVEMENT

SIDEWALK

SYMBOL	DESCRIPTION
BP	BORE PIT
EOP	EDGE OF PAVEMENT
EOTW	EDGE OF TRAVEL WAY
FOC	FIBER OPTIC CABLE
HDPE	HIGH DENSITY POLYETHYLENE
HH	HANDHOLE
JB	JUNCTION BOX
MH	MANHOLE
MP	MILE POST
O/S	OFFSET
PVC	POLY VINYL CHLORIDE
RGS	RIGID GALVANIZED STEEL CONDUIT
ROW	RIGHT OF WAY
S/W	SIDEWALK
STA.	STATION

CABINET

PEDESTAL

ELECTRIC

ELECTRIC METER

MANHOLE

RISER

TELEPHONE

POWER VAULT

CATCH BASIN/INLET

FIRE HYDRANT

GROUND/BOND

STREET LIGHT

TREE

CULVERT

WING WALL

BRIDGE

MISC. UTILITY

UTILITY POLE – EXISTING

POLE – PROPOSED

HANDHOLE – EXISTING

HANDHOLE – PROPOSED

PEDESTAL – PROPOSED

PROMARK DOME MARKER POST

BORE PIT – PROPOSED

AERIAL STORAGE – EXISTING

AERIAL STORAGE – PROPOSED

VAULT/BUILDING STORAGE – EXISTING

VAULT/BUILDING STORAGE – PROPOSED

POLE ANCHOR/DOWN GUY – EXISTING

POLE ANCHOR/DOWN GUY – PROPOSED

PROPOSED DOWN GUY ON EXISTING ANCHOR

FDP
NAME
SIZE
LOCATION
TERMINATION – EXISTING

FDP
NAME
SIZE
LOCATION
TERMINATION – PROPOSED

BUILDING
NAME
STREET
BUILDING CALLOUT – PROPOSED

MANUFACTURER NAME
SPLICE POINT – EXISTING

MANUFACTURER NAME
SPLICE POINT – PROPOSED

#F | IN: 0 | OUT: 0
SEQUENTIAL CALLOUT

#F | IN: 0 | TAIL: 0
SEQUENTIAL IN TAIL CALLOUT

#F | TAIL: 0 | OUT: 0
SEQUENTIAL TAIL OUT CALLOUT

POLE NO	N/A
UTILITY1	0'–0"

POLE ATTACHMENT CALLOUT – EXISTING
USE DYNAMIC PULL DOWN TO SELECT FROM 1 TO 6 ATTACHMENTS

POLE NO	N/A
UTILITY1	0'–0"

POLE ATTACHMENT CALLOUT – PROPOSED
USE DYNAMIC PULL DOWN TO SELECT FROM 1 TO 6 ATTACHMENTS

PERMITTING AGENCY
LA - MSID

lumos

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REVISION DATA

NO	DESCRIPTION	BY	DATE
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SHEET TITLE:	LEGEND
PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_016_FDH_002
DESCRIPTION:	JIG CANAL
DRAWING NAME:	LE1_016_FDH_002 - LEHIGH ACRES_LEE COUNTY_FLORIDA - JIG CANAL
SHEET:	3 OF 12

GENERAL NOTES

CONTRACTOR MUST OBTAIN LOCATES PRIOR TO DISTURBING THE GROUND.

CONTRACTOR MUST HAVE A COPY OF THE APPROVED PERMIT FROM THE APPROPRIATE AGENCY ON THE JOBSITE AT ALL TIMES.

ALL CABLE WILL BE PLACED AT A MINIMUM DEPTH OF 36" DEEP UNLESS OTHERWISE DIRECTED BY A REPRESENTATIVE OF THE UTILITY OWNER.

ANY LANDSCAPING WILL BE REPLACED TO EQUAL OR BETTER THAN THAT WHICH EXISTED PRIOR TO WORK, 72 HOURS AFTER COMPLETION OF WORK.

PROJECT SITE WILL BE PROPERLY SECURED PRIOR TO THE END OF EACH DAY.

ALL WORK IS TO BE IN ACCORDANCE WITH ALL AUTHORITIES HAVING JURISDICTION IN THE WORK ZONE.

CONTRACTORS ARE ADVISED TO CONTACT THE PROJECT MANAGER FOR ANY ADDITIONAL INFORMATION OR CLARIFICATION CONCERNING SCOPE OF WORK OR THE REQUIREMENTS NECESSARY FOR PROJECT COMPLETION.

CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY ALL DIMENSIONS, QUANTITIES AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION. IF A SIGNIFICANT CHANGE TO THE RUNNING LINE IS NEEDED, PLEASE CONTACT THE PROJECT MANAGER BEFORE PROCEEDING.

BEFORE CONSTRUCTION BEGINS, CONTRACTOR SHALL TAKE APPROPRIATE PRECAUTIONS TO AVOID ANY POTENTIAL OBSTRUCTIONS PRIOR TO PROCEEDING WITH WORK.

NO CONSTRUCTION ON PRIVATE PROPERTY WILL COMMENCE UNTIL APPROVAL IS GIVEN BY A REPRESENTATIVE OF THE UTILITY OWNER.

CONTRACTOR SHALL NOT PROCEED WITH WORK UNTIL THEY HAVE RECEIVED A PURCHASE ORDER AND HAVE BEEN DIRECTED TO DO SO BY AN AUTHORIZED REPRESENTATIVE OF THE UTILITY OWNER.

CONTRACTOR SHALL NOT EXCEED THE PURCHASE ORDER VALUE WITHOUT AUTHORIZATION IN WRITING FROM THE APPROPRIATE REPRESENTATIVE OF THE UTILITY OWNER.

AS-BUILTS WILL BE REQUIRED FOR EACH PROJECT INCLUDING CABLE FOOTAGE SEQUENTIALS AT EVERY ACCESS POINT, SLACK LOOP, SPLICE LOCATION, POLE AND TERMINATION POINT. CONTRACTOR SHOULD ALSO PROVIDE NOTES OF ALL CHANGES IN DEPTHS, RUNNING LINES, MH/HH LOCATIONS, AND ANY OTHER APPLICABLE NOTES TO DEPICT THE WORK THAT TOOK PLACE. NOTE: ALL MAJOR CHANGES NEED TO BE PRE-APPROVED BY AN AUTHORIZED REPRESENTATIVE OF THE UTILITY COMPANY PRIOR TO STARTING THE WORK.

SITE CONDITIONS

THE ACTUAL LOCATION OF EXISTING CONDUIT AND CABLES MAY VARY FROM THE LOCATION SHOWN. REPAIR OF ANY DAMAGED CONDUIT CONTAINING CABLE SHALL BE MADE BY USE OF PVC SPLIT DUCT. THE CONTRACTOR SHALL ENCLOSE THE EXISTING CABLES IN PVC.

THE LOCATIONS OF EXISTING UTILITIES SHOWN IN THIS PLAN ARE APPROXIMATE. WHEN WORK IS TO BE CONDUCTED IN THE VICINITY OF KNOWN UTILITIES, THEIR ACTUAL LOCATION MUST BE FIELD VERIFIED TO AVOID CONFLICTS OR DAMAGE TO THOSE UTILITIES. VARIATION IN LOCATION BETWEEN "RECORDED POSITIONS" AND ACTUAL POSITIONS SHOULD BE ANTICIPATED.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES. BURIED UTILITIES MAY EXIST IN THE AREA IN ADDITION TO THOSE SHOWN ON THE PLAN. THE CONTRACTOR SHALL CONTACT PROPERTY OWNERS WHEN WORKING WITHIN PRIVATE EASEMENTS FOR LOCATION OF UNDERGROUND TANKS, PIPELINES, DRAIN TILES, OR OTHER BURIED IMPROVEMENTS. THE CONTRACTOR SHALL ALSO NOTIFY THE UTILITY NOTIFICATION CENTER PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITIES.

THE CONTRACTOR MUST ASSUME ALL BURIED UTILITIES ENCOUNTERED ARE ALIVE AND ACTIVE UNLESS SPECIFICALLY INSTRUCTED OTHERWISE BY OWNERS OR OPERATORS OF SAID UTILITIES.

DAMAGE TO SUB-SURFACE STRUCTURES IS THE SOLE RESPONSIBILITY OF THE PLACING CONTRACTOR.

THE CONTRACTOR SHALL PROTECT THE EXISTING TRAFFIC CONTROL LOOPS. IF EXISTING TRAFFIC CONTROL LOOPS ARE DAMAGED DURING CONSTRUCTION, THE ENTIRE LOOP WIRE FROM TERMINAL TO TERMINAL SHALL BE REPLACED IN ACCORDANCE WITH GOVERNING AGENCY STANDARDS AND REGULATIONS AT CONTRACTOR'S EXPENSE.

REMOVAL OF EXISTING ASPHALT PAVEMENT, CONCRETE CURBS, AND CONCRETE SIDEWALKS WILL BE "NEAT LINE" WITH SAW OR PAVEMENT CUTTER, PER REQUIREMENTS AND SPECIFICATIONS OF THE AGENCY OR DEPARTMENT RESPONSIBLE FOR EACH LOCATION. IF CONCRETE PAVEMENT IS ENCOUNTERED WHILE EXCAVATING CONDUIT TRENCHES, THE CONCRETE REMOVAL WILL BE "NEAT LINE" WITH A PAVEMENT SAW.

IF CONCRETE CURB RETURNS AND/OR SIDEWALKS ARE REPLACED DUE TO CONDUIT OR MANHOLE INSTALLATION, THE CONTRACTOR SHALL PLACE APPROVED HANDICAPPED SIDEWALK AND CURB ACCESS RAMPS IN CONFORMANCE WITH THE APPROPRIATE STATE STATUTES.

ALL MATERIALS NECESSARY FOR THE REPAIR OF STREETS, CURBS, SIDEWALKS, SANITARY SEWERS, STORM SEWERS, AND PUBLIC SERVICE UTILITIES, AND THE INSTALLATION OF SUCH MATERIALS SHALL BE IN CONFORMANCE WITH THE REQUIREMENTS AND SPECIFICATIONS OF THE AGENCY OR DEPARTMENT RESPONSIBLE FOR THE OPERATION AND MAINTENANCE OF THE REPAIRED FACILITY.

ALL WORK SHALL CONFORM TO THE SPECIFICATIONS OF THE JURISDICTIONAL PERMIT AGENCY.

ALL OPEN TRENCH WILL BE CLEARLY MARKED WITH BARRICADES OR CONES. STEEL PLATES OR OTHER TYPES OF BRIDGING SHALL BE PROVIDED TO COVER OPEN TRENCH IN THE TRAVEL PORTION OF THE STREETS. THESE PLATES OR BRIDGING SHALL BE ADEQUATE TO SUPPORT THE NORMAL VEHICLE LOADS ANTICIPATED IN THIS AREA AND SHALL BE IN PLACE DURING ALL NON-WORKING AREAS.

ALL SURFACES TO BE RESTORED TO ORIGINAL CONDITION, AND BACKFILL TO BE COMPACTED AS SPECIFIED. TRENCH EXCAVATION IN SURFACES WHICH INCLUDE CONCRETE TREATED BASE SHALL FOLLOW LOCAL AREA SPECIFICATIONS.

HAZARDOUS MATERIALS

THE CONTRACTOR SHALL NOTIFY THE JURISDICTIONAL PERMIT AGENCY IMMEDIATELY IF ANY MATERIALS ARE ENCOUNTERED THAT ARE CONSIDERED HAZARDOUS BY THE EPA, DEQ, OR OSHA. IF POTENTIALLY HAZARDOUS MATERIALS ARE ENCOUNTERED THE CONTRACTOR SHALL SECURE THE SITE AND PREVENT THE ACCIDENTAL EXPOSURE BY THE PUBLIC OR THE CONTRACTOR'S PERSONNEL.

THE CONTRACTOR MAY EXCAVATE UP TO, BUT SHALL NOT DISTURB KNOWN HAZARDOUS MATERIALS SUCH AS ASBESTOS, OILS, ACID, ETC. THE REMOVAL OF ALL HAZARDOUS MATERIALS MUST BE DONE BY AN APPROVED OR CERTIFIED HAZARDOUS MATERIALS CONTRACTOR LICENSED IN THE APPROPRIATE STATE.

A COPY OF ALL CORRESPONDENCE PERTINENT TO THE REMOVAL OF HAZARDOUS MATERIALS SHALL BE TRANSMITTED TO OWNER AND A COPY SHALL BE AVAILABLE AT THE PROJECT OFFICE AND THE JOB SITE.

AERIAL NOTES

- AERIAL CONSTRUCTION TO BE PERFORMED TO INDUSTRY ACCEPTABLE STANDARDS.
- ALL HEIGHTS OF CABLE PLACEMENT WILL BE RECORDED AT TIME OF CONSTRUCTION. DOCUMENT ALL POINTS OF ATTACHMENT.
- ALL EXTENSION ARMS TO BE PLACED WILL BE EPOXY ARMS UNLESS OTHERWISE NOTED OR APPROVED BY THE INSPECTOR.
- BOND STRAND TO POWER MGN WHERE APPLICABLE. ANCHORS TO BE USED WILL BE 3/4 SCREW IN TYPE.
- ALL STRAPS WILL BE PLACED 4" BEFORE AND AFTER EVERY SUPPORTING CLAMP AT A MINIMUM OF 21" APART.
- P.O.A. = POINT OF ATTACHMENT.
- ADD MISSING GROUNDS.
- REPAIR/REPLACE EXISTING LASHING WIRE IF DAMAGED.

CONSTRUCTION STAKING

IN AREAS WHERE THE CONDUIT ALIGNMENT IS NOT CLEARLY DEFINED BY CURB LINES, FENCE LINES, OR OTHER EVIDENCE OF THE RIGHT-OF-WAY, THE ENGINEER WILL PROVIDE CENTERLINE STAKES OR PAINT MARKS WHERE REQUIRED TO MAKE THE PROPOSED CONDUIT ALIGNMENT EVIDENT.

MANHOLE CENTERS WILL BE FIELD STAKED BY THE ENGINEER WHEN REQUESTED WITH OFFSET STAKES AT RIGHT ANGLES (90°) TO THE CONDUIT ALIGNMENT.

CLOSURES IDENTIFIED IN THE PLANS SHALL BE LOCATED BY THE CONTRACTOR. DEVIATION FROM PLAN LAYOUT SHALL BE APPROVED BY THE ENGINEER PRIOR TO CONDUIT AND/OR CLOSURE INSTALLATION.

IF ADDITIONAL, FIELD STAKING OR LOCATION OF CONDUITS, MANHOLES, PROPERTY LINES, ETC., BECOMES NECESSARY, THE CONTRACTOR IS TO NOTIFY THE INSPECTOR OR THE ENGINEER TWO WORKING DAYS PRIOR TO BEGINNING THE WORK.

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NO.	DESCRIPTION	BY	DATE
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SHEET TITLE: GENERAL NOTES

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_016_FDH_002
DESCRIPTION:	JIG CANAL
DRAWING NAME:	LE1_016_FDH_002 - LEHIGH ACRES_LEE COUNTY_FLORIDA - JIG CANAL
SHEET:	4 OF 12

PERMITS - FRANCHISES - EASEMENTS

PHYSICAL WORK SHALL NOT BE STARTED UNTIL THE GOVERNING AGENCY INSPECTOR AND THE CONTRACTOR ARE IN POSSESSION OF AND HAVE CAREFULLY REVIEWED AND FULLY UNDERSTAND ALL CONDITIONS AND SPECIFICATIONS SET FORTH IN THE REQUIRED PERMITS, FRANCHISES, AND/OR EASEMENTS.

PLACING FOREMAN TO HAVE A COPY OF THE PERMITS/EASEMENTS ON SITE AT ALL TIMES.

ANY CONFLICT BETWEEN WORK PRINT SPECIFICATIONS AND SPECIFICATIONS SET FORTH UNDER RELATED PERMITS, FRANCHISES, AND/OR EASEMENTS MUST BE CLEARED BY PROPER COMPANY AUTHORITY BEFORE PROGRESSING WITH WORK INVOLVED

TRAFFIC CONTROL

THIS PROJECT WILL INVOLVE WORKING ALONG A MAJOR ARTERIAL ROAD AND HEAVY TRAFFIC VOLUME SHOULD BE ANTICIPATED.

UNIFORM TRAFFIC FLOW SHALL BE MAINTAINED AT ALL TIMES. ONLY EQUIPMENT AND MATERIALS NECESSARY FOR IMMEDIATELY SCHEDULED OR IN PROGRESS WORK WILL BE MAINTAINED IN THE WORK AREA. ALL OTHER EQUIPMENT AND MATERIALS WILL BE "STORED OR STOCKPILED" IN SUCH A MANNER AS TO ELIMINATE HAZARDOUS CONDITIONS FOR TRAFFIC OR PEDESTRIANS DURING NON-WORKING OR SHUT DOWN PERIODS.

TRAFFIC WARNING DEVICES AND SIGNS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (U.S. GOVERNMENT PRINTING OFFICE) AND TO THE STATE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION. HIGH LEVEL WARNING TYPE DEVICES ARE TO BE USED AT ALL TIMES AND SPECIAL WARNING DEVICES MAY BE STIPULATED BY THE JURISDICTIONAL PERMIT AGENCY AT ANY TIME THE USE WILL ADD TO THE SAFETY AND PROTECTION OF TRAFFIC OR PEDESTRIANS IN THE CONSTRUCTION AREA.

ALL CONDUIT TRENCHING IN PAVED AREAS SHALL BE BACKFILLED WITH CRUSHED GRAVEL OR COMPLETELY COVERED AT THE COMPLETION OF EACH WORKING DAY. ANY BACKFILLED TRENCH SHALL BE CAPPED WITH A MINIMUM LAYER OF ASPHALTIC CONCRETE COLD PATCH AT THE END OF EACH WORKING DAY.

THE CONTRACTOR SHALL MARK THE CONDUIT TRENCH AND DEFINE HIS CONSTRUCTION AREA CLEARLY WITH BARRICADES, CONES, AND/OR OTHER VISIBLE METHODS THAT ALERT THE PUBLIC OF THE CONSTRUCTION ACTIVITY.

A TRAFFIC CONTROL PLAN SHALL BE PREPARED BY THE CONTRACTOR AS REQUIRED AND SUBMITTED TO EACH PERMITTING AGENCY REQUESTING SUCH PLAN FOR REVIEW AND APPROVAL OR REVISION PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITY FOR THIS PROJECT. THE APPROVED PLAN SHALL BE SUBMITTED TO THE AGENCY AND A COPY OF THE PLAN SHALL BE KEPT AT THE CONSTRUCTION SITE AND MUST BE READILY AVAILABLE REVIEW BY THE AGENCY REPRESENTATIVES.

SPECIAL UTILITY CLEARANCES

ALL WORK CONDUCTED ADJACENT TO WATER MAINS SHALL CONFORM TO THE FOLLOWING CONDITIONS:

A. WHEREVER POSSIBLE CONDUIT SHALL MAINTAIN A HORIZONTAL SEPARATION OF 3.0 FEET, MEASURED SURFACE TO SURFACE (OUTSIDE EDGE TO OUTSIDE EDGE), FROM PARALLEL WATER MAINS.

B. WHEREVER POSSIBLE, CONDUIT SHALL PASS UNDER EXISTING WATER MAINS AND MUST MAINTAIN 24" VERTICAL CLEAR SEPARATION. CONDUITS PASSING OVER WATER MAINS MUST ALSO MAINTAIN THE 24" VERTICAL SEPARATION.

C. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING THIS REQUIRED VERTICAL SEPARATION BY EITHER EXPOSING THE WATER MAIN EVERY 100 FEET IN THOSE AREAS WHERE HORIZONTAL SEPARATION IS LESS THAN 3.0 FEET OR BY UTILIZING THE DEPTHS OF ADJACENT WATER VALVES. IF THE CONTRACTOR UTILIZES THE ADJACENT WATER TO DETERMINE WATER MAIN DEPTH, HE SHALL CONTACT THE AGENCY AT EACH SUCH LOCATION AND THE AGENCY WILL DETERMINE THE NECESSARY DEPTH OF THE TOP OF THE CONDUIT AT THAT POINT.

D. THE VERTICAL AND HORIZONTAL SEPARATION SHALL BE MAINTAINED AT ALL TIMES UNLESS SPECIFICALLY REVISED BY AGREEMENT BETWEEN THE JURISDICTIONAL PERMIT AGENCY AND THE AGENCY ANY SPECIFIC DEVIATION IN VERTICAL AND HORIZONTAL SEPARATION FROM THOSE DESCRIBED SHALL BE REPORTED TO THE OWNER BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING VERTICAL AND HORIZONTAL SEPARATION AT ALL TIMES AND SHALL BE RESPONSIBLE FOR ANY AND ALL ENCROACHMENTS.

E. CLEARANCES TO STORM SEWERS AND SANITARY SEWERS SHALL BE EXACTLY THE SAME AS THOSE TO WATER MAINS.

STRUCTURE PROTECTION

MANHOLES AND CONDUIT TO BE PLACED ADJACENT TO EXISTING STRUCTURES SUCH AS BRIDGE BRIDGE FOOTINGS/PIERS, BUILDING FOUNDATIONS, WALLS, POWER AND TELEPHONE POLES, AND OTHER UTILITIES SHALL MAINTAIN A MINIMUM CLEARANCE AS SHOWN. THE CONTRACTOR SHALL NOT UNDERMINE ANY ADJACENT STRUCTURE WITHOUT SPECIFIC WRITTEN PERMISSION FROM THE OWNER/OPERATOR OF SUCH STRUCTURE.

SHORING USED AS FOUNDATION SUPPORT SHALL BE DESIGNED SPECIFICALLY FOR BOTH THE LIVE AND DEAD LOADS OF THE STRUCTURE, OR IF ONLY THE DEAD LOAD IS USED FOR DESIGN, THE CONTRACTOR SHALL PROVIDE A DETAILED LAYOUT AND PLAN OF THE METHOD OF ESTABLISHING AND MAINTAINING THE DESIGN LOAD CONDITIONS (I.E., ROAD DETOURS, TIEBACKS, ETC.).

SEE UTILITY CLEARANCE SECTION NOTES FOR CLEARANCE CRITERIA TO PARALLEL OR CROSS UTILITIES.

EXISTING UTILITIES EXPOSED DURING EXCAVATION SHALL BE 100% SUPPORTED BY EITHER TRENCH BRIDGING AND SUSPENSION OR BY THE USE OF LONGITUDINAL TRAYS OR PLATFORMS VERTICALLY SUPPORTED BY ADJUSTABLE BUILDING JACKS.

EXISTING SPLICE CASES AND CABLES SHALL BE SUPPORTED BY SUSPENSION FROM A CROSSING BEAM. SUPPORTS SHALL BE PLACED AT A MAXIMUM SPACING OF 4.0 FEET AND SHALL CONSIST OF A CANVAS SLING WITH NYLON BELTING OR ROPE. ALL CABLE SUPPORTS SHALL BE PLACED IN A MANNER THAN PREVENTS KINKS OR OTHER DAMAGE TO THE CABLE SHEATH.

AN ACCEPTABLE ALTERNATIVE TO CABLE SLINGS WOULD BE THE UTILIZATION OF A WIDE FLANGE "I" BEAM OR CHANNEL AS A "CABLE TRAY" WITH THE CABLES/CASES BANDED IN PLACE.

SHORING

THE CONTRACTOR SHALL PROVIDE SHORING FOR CONDUIT TRENCH EXCAVATION 42" OR MORE IN DEPTH AS MEASURED FROM THE HIGH SIDE OF THE TRENCH AND FOR ALL MANHOLE EXCAVATION.

MANHOLE SHORING SHALL BE TIGHT-SHEETED.

ALL SHORING SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF LOCAL COUNTY AND THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA).

SHORING SHALL BE DESIGNED TO MEET H-20 HIGHWAY LOADING.

THE CONTRACTOR SHALL PROVIDE ALL SHORING AND DESIGN CALCULATIONS TO THE PERMIT ISSUING AGENCY PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITY.

UTILITY NOTE:

EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND BASED ON AVAILABLE RECORDS, VERBAL INFORMATION AND/OR PHYSICAL FEATURES. PRIOR TO CONSTRUCTION (AT LEAST 72 HOURS OR THE MORE RESTRICTIVE MINIMUM NOTIFICATION PERIOD), THE CONTRACTOR SHALL CONTACT SUNSHINE 811 TO ALLOW MARKING OF EXISTING BURIED UTILITIES WITHIN THE SCOPE OF THE PROPOSED WORKZONE.

SOFT DIGS &/OR POTHOLING SHALL BE REQUIRED BY CONTRACTOR TO IDENTIFY EXISTING UTILITY DEPTHS.

MINIMUM 24" SEPARATION SHALL BE MAINTAINED FROM ALL EXISTING UTILITIES UNLESS SUPERVISED.

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SHEET TITLE:	GENERAL NOTES
PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_016_FDH_002
DESCRIPTION:	JIG CANAL
DRAWING NAME:	LE1_016_FDH_002 - LEHIGH ACRES_LEE COUNTY_FLORIDA - JIG CANAL
SHEET:	5 OF 12

PURDUE ST

JIG CANAL
47-33-2

80'

SCHOOLSIDE DR

E 3RD ST

PROPOSED UTILITY
MARKER 01+10

PROPOSED UTILITY
MARKER 01+90

01+37

PROPOSED BORE
PIT 00+00

PROPOSED BORE
PIT 03+00

DIRECTIONAL BORE:
- (2) 1.25" HDPE SDR 11 CONDUIT
- 300'
- MINIMUM DEPTH = 235.2" STA– 01+10 TO 01+90

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0 10' 20' 30' 40'
SCALE: 1"=40'

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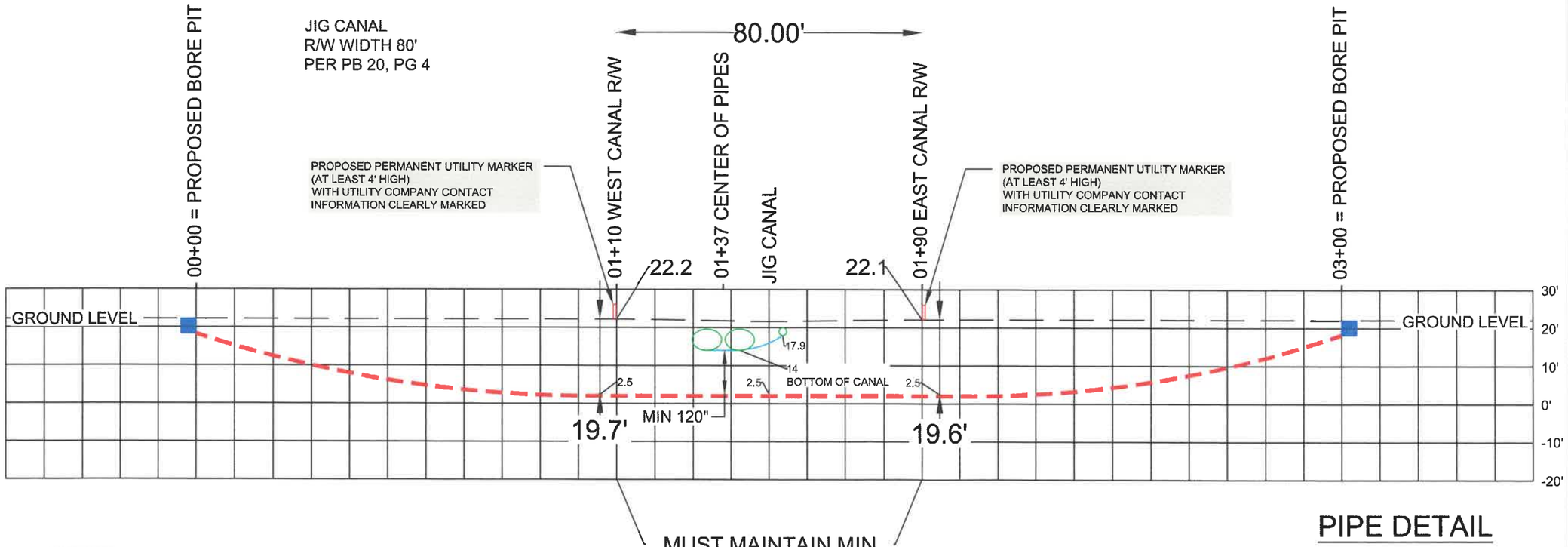
SHEET TITLE:
PROJECT SHEET

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_016_FDH_002
DESCRIPTION:	JIG CANAL
DRAWING NAME:	LE1_016_FDH_002 - LEHIGH ACRES_LEE COUNTY_FLORIDA - JIG CANAL
SHEET:	6 OF 12

SUB-GRADE VERTICAL PROFILE VIEW
E 3RD ST
LOOKING NORTH



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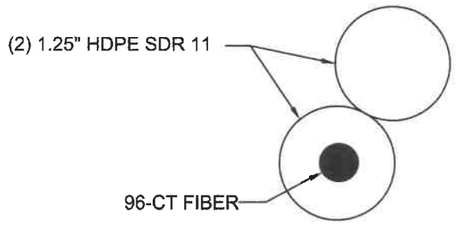
PIPE DETAIL



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0 10' 20' 30'
SCALE: 1"=30'

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SHEET TITLE: PROFILE VIEW

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_016_FDH_002
DESCRIPTION:	JIG CANAL
DRAWING NAME:	LE1_016_FDH_002 - LEHIGH ACRES_LEE COUNTY_FLORIDA - JIG CANAL
SHEET:	7 OF 12

STREET LEVEL VIEW
STA 01+10
FACING EAST



04/25/2026 1:12PM
26.610143, -81.629957
205 E 3RD ST
LEHIGH ACRES, FL 33936

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SHEET TITLE:	IMAGES
PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
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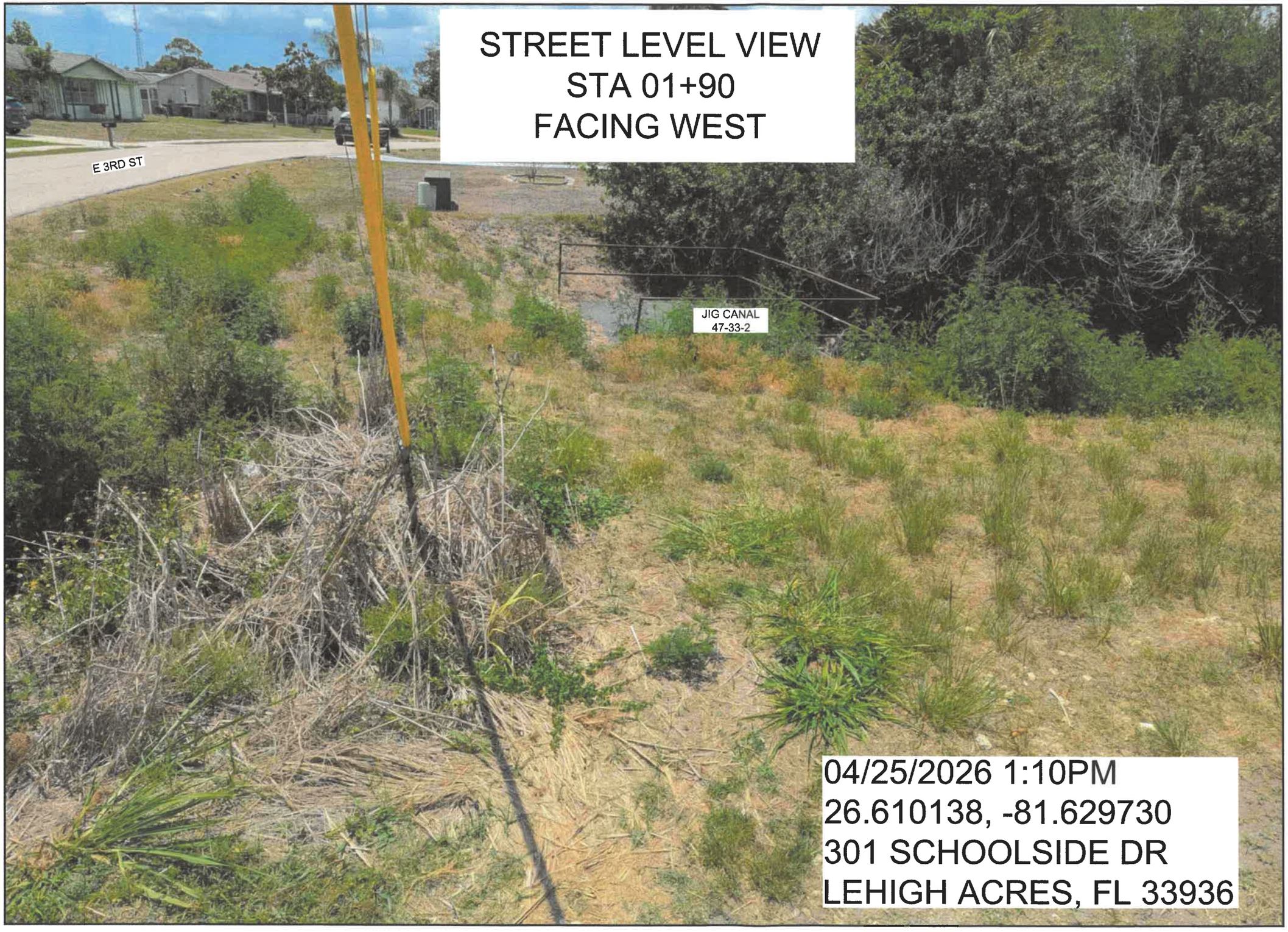
DESCRIPTION:	JIG CANAL
DRAWING NAME:	LE1_016_FDH_002 - LEHIGH ACRES_LEE COUNTY_FLORIDA - JIG CANAL
SHEET:	8 OF 12

STREET LEVEL VIEW
STA 01+90
FACING WEST



04/25/2026 1:10PM
26.610138, -81.629730
301 SCHOOLSIDE DR
LEHIGH ACRES, FL 33936

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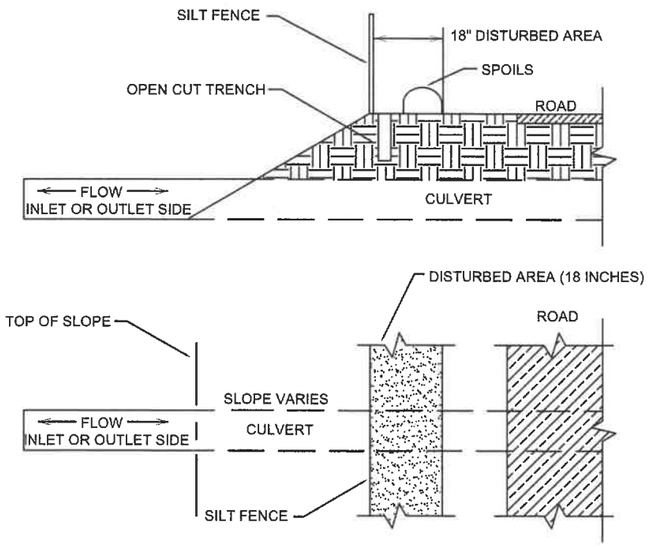
SHEET:	9 OF 12

TYPICALS

CULVERT CUT OVER ON ROADSIDE SHOULDER

NOT TO SCALE



GENERAL NOTES

1. INSTALL SILT FENCE TO PROTECT DOWNSTREAM AREAS FROM SEDIMENTATION PRIOR TO CONSTRUCTION.
2. INSTALL SILT FENCE AS NEEDED TO PROTECT DRAINAGE FEATURES, BUT NO LESS THAN 10' ON EITHER SIDE OF CULVERT.

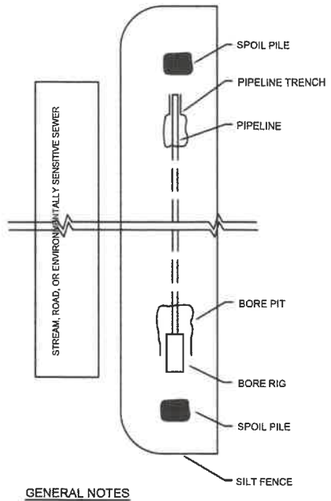
MAINTENANCE NOTES

INSPECT CULVERT CROSSING STRUCTURES WEEKLY AND AFTER EACH SIGNIFICANT RAINFALL EVENT (0.5" OR GREATER) TO SEE IF ANY EROSION AROUND OR BELOW THE SILT FENCE HAS OCCURRED, IMMEDIATELY MAKE ALL NEEDED REPAIRS TO PREVENT FURTHER DAMAGE.

*REF: 6.41.5 NC Erosion and Sediment Control Planning and Design Manual, 2006

DIRECTIONAL BORE DETAIL (PARALLEL)

NOT TO SCALE

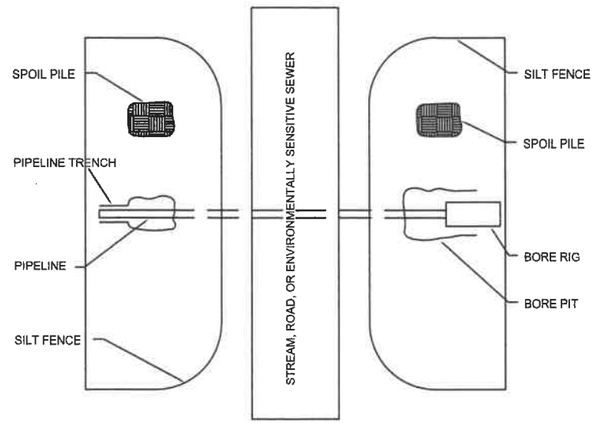


GENERAL NOTES

1. BORE PITS AND SPOILS PILES SHALL BE ENCLOSED ON THREE SIDES AS SHOWN WITH SILT FENCE

DIRECTIONAL BORE DETAIL (TRAVERSE)

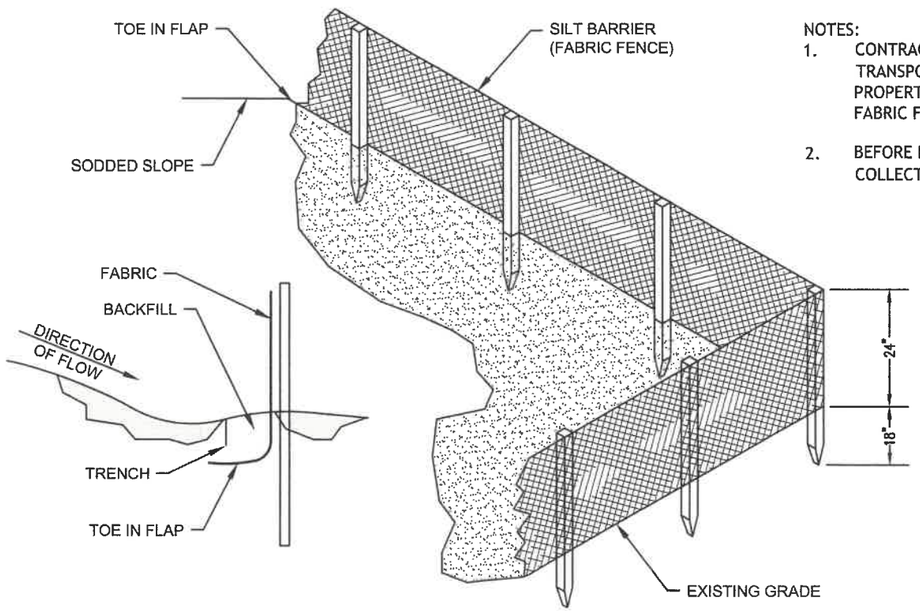
NOT TO SCALE



GENERAL NOTES

1. BORE PITS AND SPOILS PILES SHALL BE ENCLOSED ON THREE SIDES AS SHOWN WITH SILT FENCE

FABRIC FENCE SILT - BARRIER



NOTES:

1. CONTRACTOR IS REQUIRED TO PREVENT ANY SEDIMENT TRANSPORT FROM THE PROJECT SITE ON TO ADJACENT PROPERTY. INSTALLATION OF EITHER BALED HAY OR FABRIC FENCE TYPE SILT BARRIER IS ACCEPTABLE.
2. BEFORE REMOVING SILT BARRIER, CONTRACTOR SHALL COLLECT AND DISPOSE OF ANY ACCUMULATED SILT.

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REVISION DATA

NO	DESCRIPTION	BY	DATE
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SHEET TITLE:	TYPICALS
PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_016_FDH_002
DESCRIPTION:	JIG CANAL
DRAWING NAME:	LE1_016_FDH_002 - LEHIGH ACRES_LEE COUNTY_FLORIDA - JIG CANAL
SHEET:	10 OF 12

TYPICALS

PERMITTING AGENCY
LA - MSID

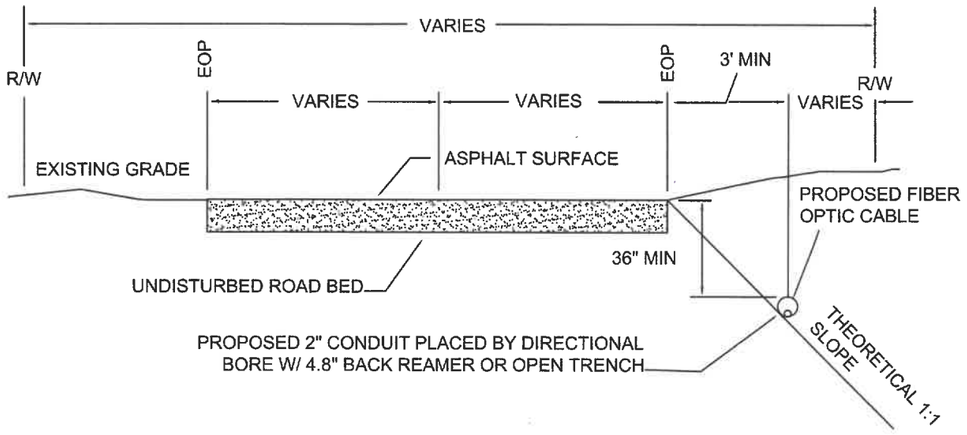
lumos

BLAIR CONSULTING SERVICES, Inc.
1428 SUNBLUSH LN
LAS VEGAS, NV 89117

811 Know what's below. Call before you dig.

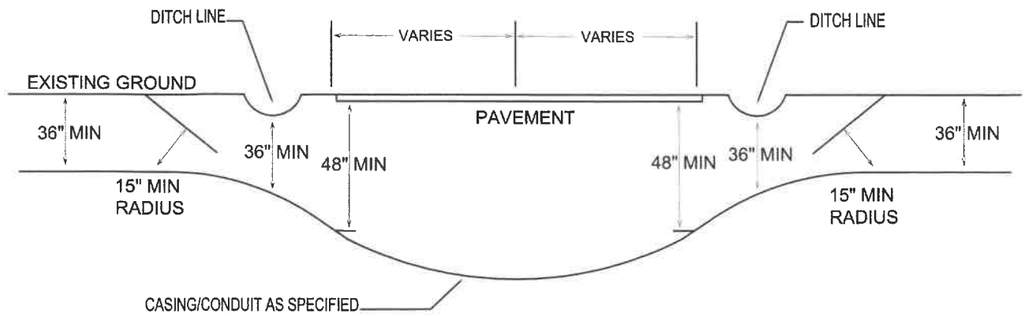
PARALLEL CONDUIT DETAIL FOR FDOT RIGHT-OF-WAY

NOT TO SCALE



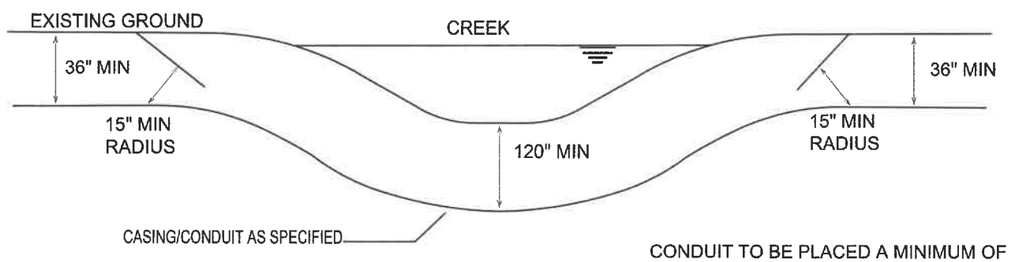
DIRECTIONAL BORE UNDER SECONDARY ROADWAY

NOT TO SCALE



DIRECTIONAL BORE UNDER CREEK BED

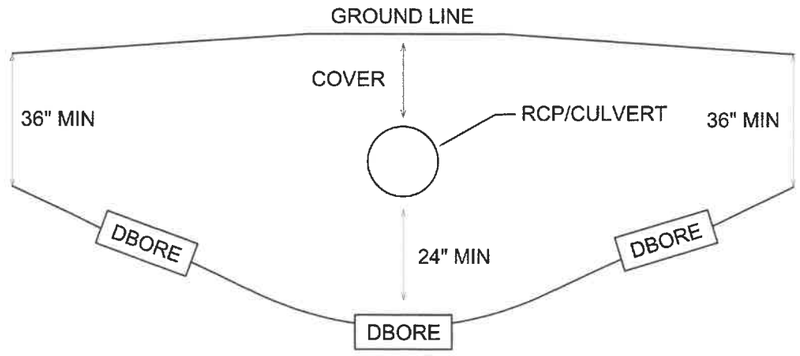
NOT TO SCALE



CONDUIT TO BE PLACED A MINIMUM OF 10 FEET BELOW CREEK BED

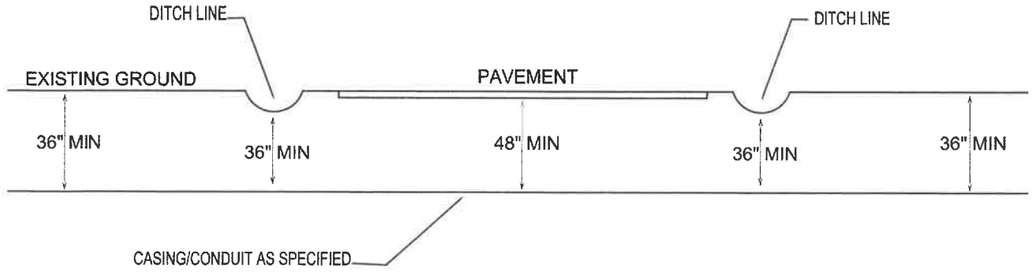
CULVERT CROSSING DETAIL

NOT TO SCALE



DRY BORE UNDER ROADWAY

NOT TO SCALE



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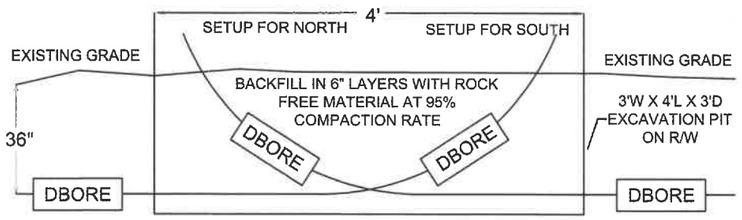
SHEET:	11 OF 12

TYPICALS

DIRECTIONAL BORE TIE-IN DETAIL

NOT TO SCALE

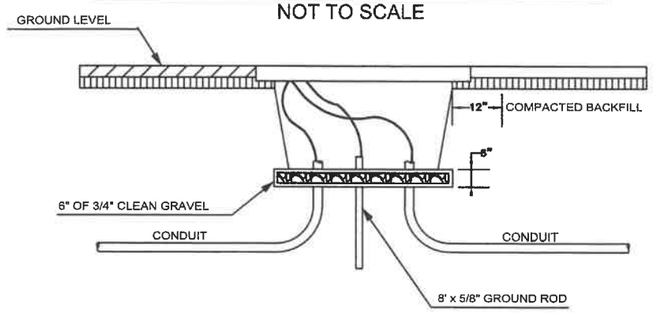


TIE-IN STATION

- BORE FROM EACH DIRECTION IS RUN AT DESIGN DEPTH TO 2 FEET PAST THE INTENDED TIE-IN. THEN TURNED UP TO DAYLIGHT.
- THE TIE-IN POINT IS EXCAVATED. THE CONDUITS CUT OFF WHERE THEY CROSS EACH OTHER AT DESIGN DEPTH, AND A COUPLER IS INSTALLED TO CONNECT THE TWO CONDUITS AT THE DESIGN DEPTH.
- ALL EXCAVATIONS OR TRENCHES 4 FEET OR GREATER IN DEPTH SHALL BE APPROPRIATELY BENCHED, SHORED, OR SLOPED IN OSHA'S EXCAVATION STANDARD, 29 CFR 1926.650, .651, AND .652

PULL BOX HANDHOLE

NOT TO SCALE



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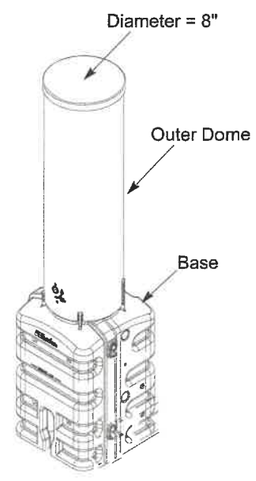
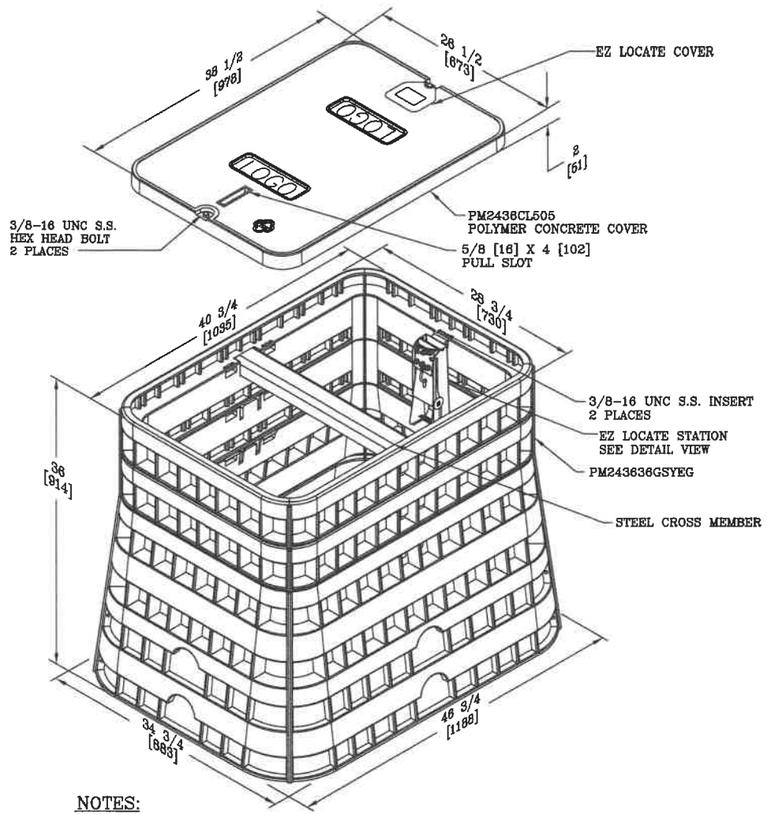
BDO204-EG

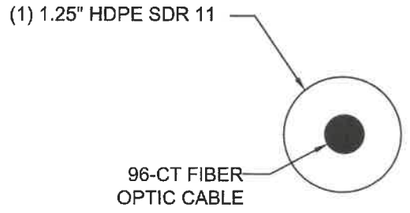




NOTES:

1. BOX MATERIAL TO BE HDPE PLASTIC, COVER MATERIAL TO BE POLYMER CONCRETE.
2. COLOR TO BE GREY.
3. THIS ASSEMBLY HAS A LOAD RATING OF 20,000 LBS. [88,960 N].

PIPE DETAIL



PERMITTING AGENCY

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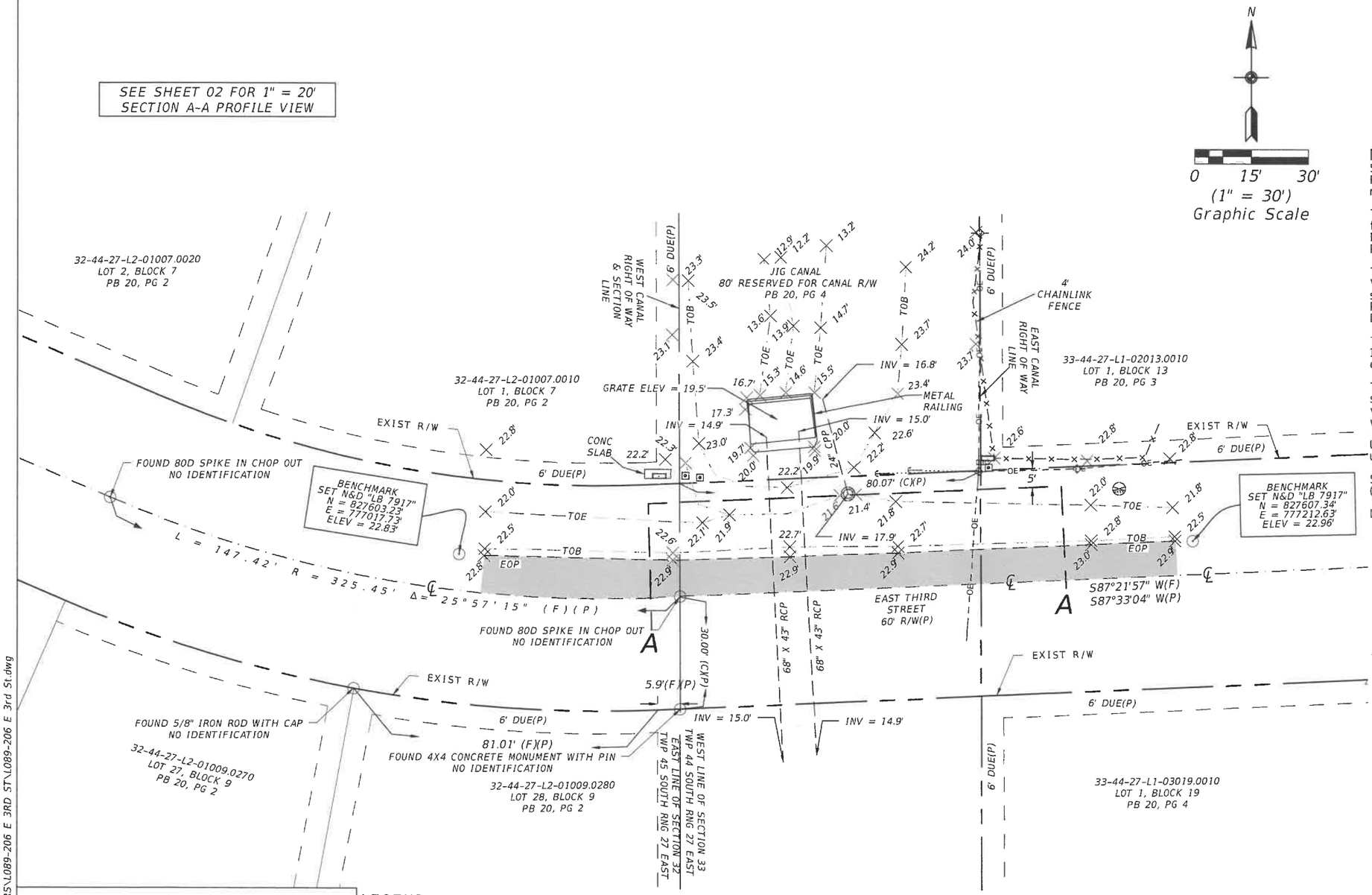
SHEET:	12 OF 12

SEE SHEET 02 FOR 1" = 20'
SECTION A-A PROFILE VIEW



Topographic Survey of a Subject Project Site

LYING WITHIN

SECTION 32 & 33, TOWNSHIP 44 SOUTH, RANGE 27 EAST
LEHIGH ACRES, LEE COUNTY, FLORIDA

NOTES:

Survey based on the plat of Carlton Park as recorded in Plat Book 20 Page 1, Public Records of Lee County, Florida and existing monumentation.

This survey is a Topographic Survey for the purpose of locating the features within and adjacent to the Lehigh Acres Municipal Services Improvement District-managed facility North of East 3rd Street between Purdue Street and Schoolside Drive.

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Subject to easements, restrictions, reservations, and rights-of-way (recorded and unrecorded, written and unwritten).

Last day of field work: 04/03/2026

TAYLOR J. HENNINGE
License Number
7279
STATE OF FLORIDA
Professional Surveyor and Mapper

Taylor Henninge 2026.04.17 14:11:08-04'00'

TAYLOR J. HENNINGE
PROFESSIONAL SURVEYOR AND MAPPER
FLORIDA CERTIFICATE NO. LS# 7279

Not valid without the signature and the original seal of a Florida licensed surveyor and mapper.

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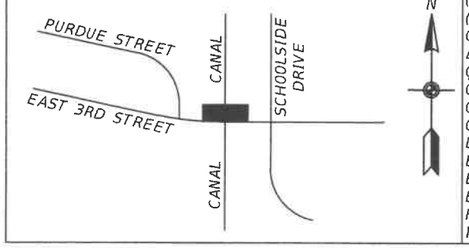
This survey has been electronically signed and sealed by Taylor J. Henninge using a digital signature and date. Print copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Location sketch
(Not to scale)



LEGEND:

(F)	= FIELD MEASURED	INV	= INVERT ELEVATION
(P)	= PER PLAT	N&D	= NAIL AND DISK
(C)	= CALCULATED	NAVD 88	= NORTH AMERICAN VERTICAL DATUM 1988
CB	= CATCH BASIN	OR	= OFFICIAL RECORDS BOOK
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℄	= CENTER LINE	PG	= PAGE
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INST#	= INSTRUMENT NUMBER	(TYP)	= TYPICAL

⊙	= FOUND MONUMENT
---OE---	= OVERHEAD UTILITY LINE
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	= JUNCTION BOX
	= ELECTRIC METER

East Third Street, Lehigh Acres

TOPOGRAPHIC SURVEY - PLAN VIEW

McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name: L089-206 E 3rd St.dwg	Field book/page: 106981-1/43		Project No.: 106980001-L089
Survey date: 04/03/2026	Drawn by: KB	Checked by: TJH	Sheet No.: 01 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L089-206 E 3RD ST\L089-206 E 3rd St.dwg

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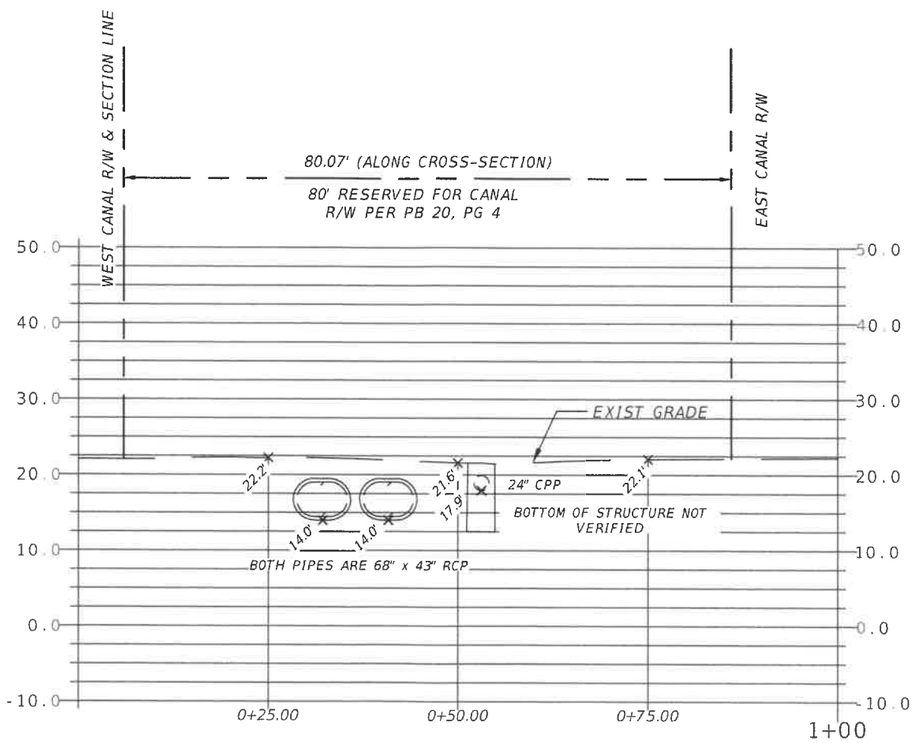
Subject Project Site
Section 32 & 33, Township 44 South, Range 27 East
Lehigh Acres, Lee County, Florida



A-A Profile View
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SEE SHEET 01 FOR LEGEND

East Third Street, Lehigh Acres

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Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
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04/03/2026	KB	TJH	02 OF 02

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lying within

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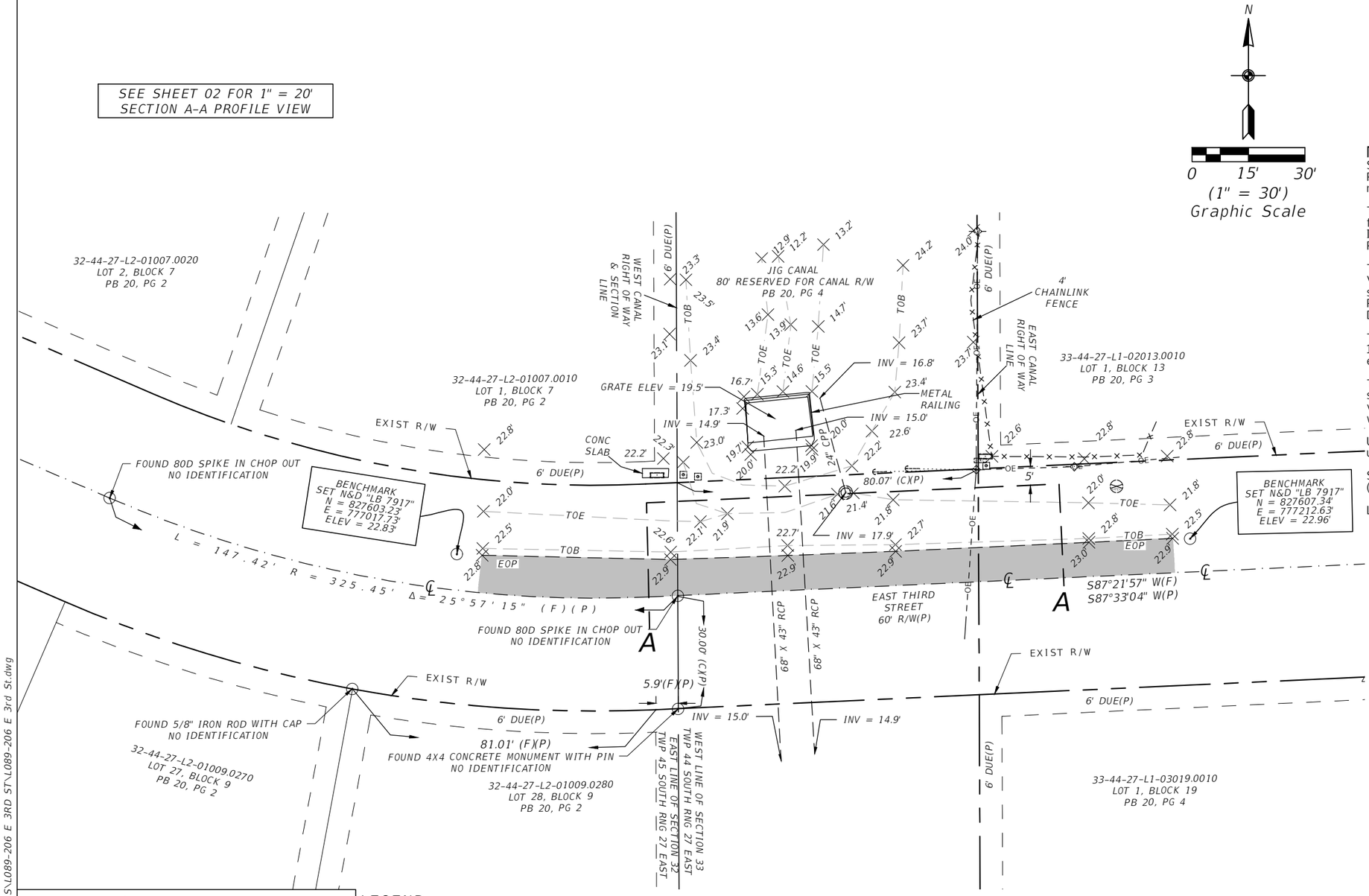

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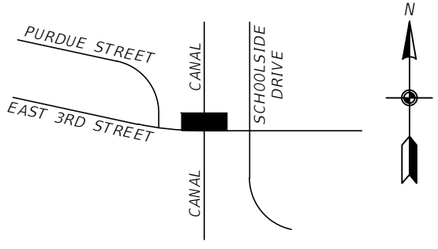

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I:\10698\0001\Geomatics\90-WORK ORDERS\L089-206 E 3RD ST\L089-206 E 3rd St.dwg

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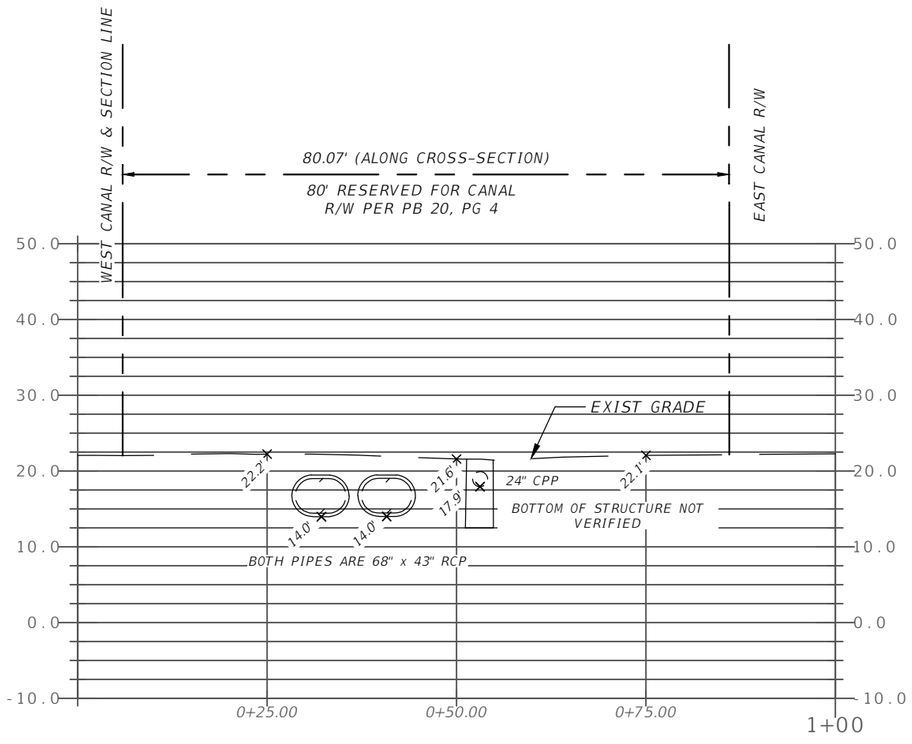

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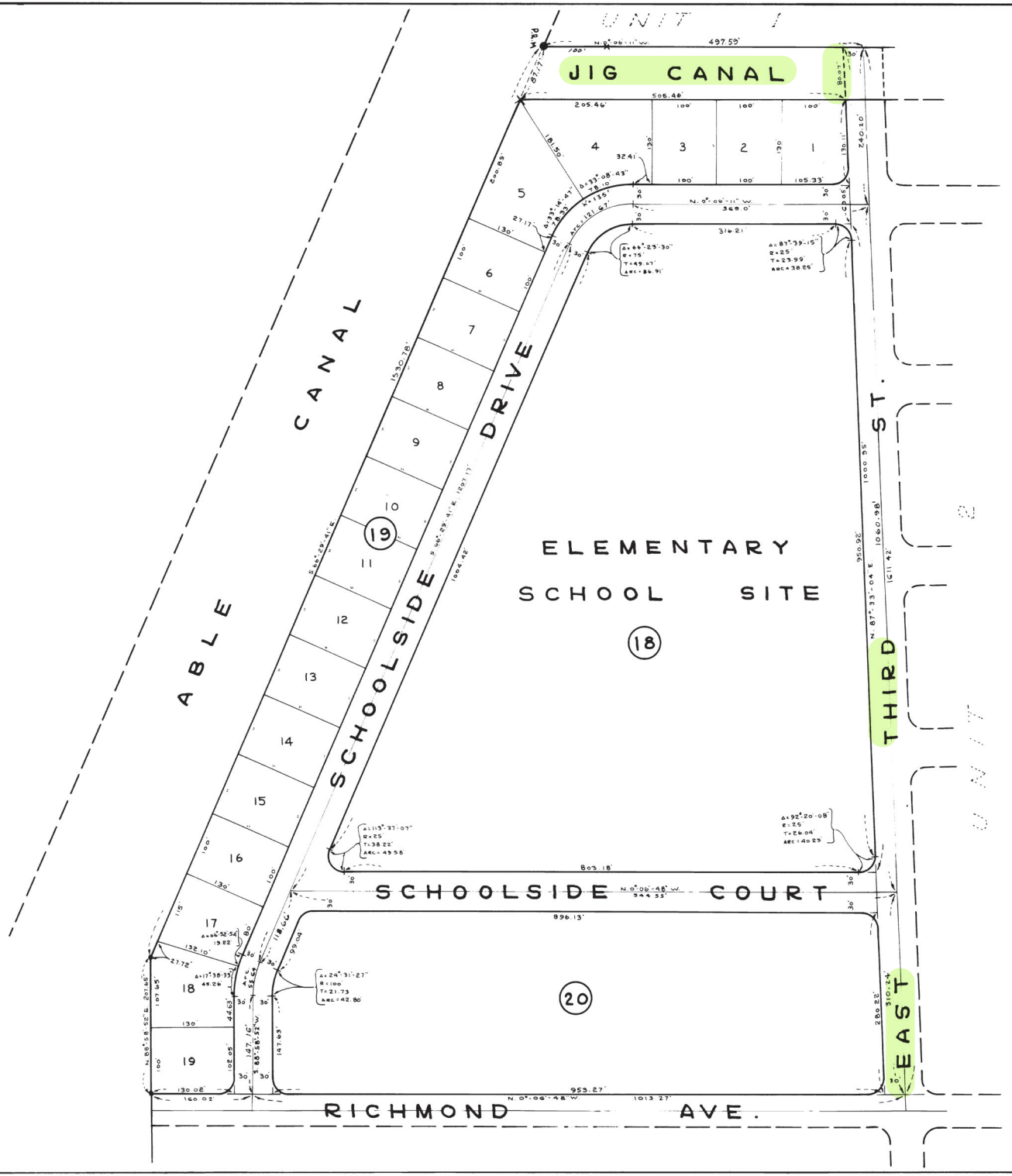


PLAT BOOK 20 PAGE 4

PLAT OF UNIT 3
CARLTON PARK
SECTION 33, TWP 44S., RGE 27E.
A SUBDIVISION OF

LEHIGH ACRES

LEE COUNTY, FLORIDA

100 50 0 100 200
SCALE IN FEET

All lots subject to a 6 foot Utility and Drainage Easement on both sides, front, and back.

All corner lot radii are 25 feet except as shown and the lot dimensions are to the straight line intersections, except where arc distances are shown.

REPLAT OF BLOCKS 71, 72, 73, 74, 78, 79, AND LOTS 3 AND 4 OF BLOCK 70, UNIT 15, AND BLOCK 77, AND LOTS 18 THROUGH 29 OF BLOCK 62, UNIT 22 OF THE PLAT OF SECTION 32, TOWNSHIP 44 SOUTH, RANGE 27 EAST, AND REPLAT OF TRACT A OF SECTION 33, TOWNSHIP 44 SOUTH, RANGE 27 EAST.

PLAT BOOK 20, PAGE 1

CARLTON PARK

A SUBDIVISION OF

LEHIGH ACRES

LEE COUNTY, FLORIDA

LEHIGH ACRES DEVELOPMENT CORPORATION

DEVELOPERS

DESCRIPTION

ALL THAT PART OF SECTIONS 32 AND 33, TOWNSHIP 44 SOUTH, RANGE 27 EAST, LEE COUNTY, FLORIDA, DESCRIBED AS FOLLOWS: BEGINNING AT THE NORTHWEST CORNER OF SAID SECTION 33; THENCE N.89°-21'-07"E. ALONG THE NORTH LINE OF SAID SECTION 33, A DISTANCE OF 1609.88 FEET; THENCE S.0°-06'-48"E. A DISTANCE OF 2641 FEET; THENCE S.88°-58'-52"W. A DISTANCE OF 207.65 FEET; THENCE N.66°-29'-41"W. A DISTANCE OF 2656.75 FEET; THENCE S.89°-15'-13"W. A DISTANCE OF 319.89 FEET; THENCE N.0°-44'-47"W. A DISTANCE OF 1335 FEET; THENCE N.89°-15'-13"E. A DISTANCE OF 158.10 FEET; THENCE N.0°-44'-47"W. A DISTANCE OF 214.15 FEET TO THE NORTH LINE OF SECTION 32; THENCE N.89°-03'-17"E. ALONG THE NORTH LINE OF SAID SECTION 32, A DISTANCE OF 1211.05 FEET TO THE POINT OF BEGINNING.

KNOW ALL MEN BY THESE PRESENTS, THAT LEHIGH ACRES DEVELOPMENT CORPORATION, A CORPORATION UNDER THE LAWS OF FLORIDA, BEING THE OWNER OF THE LAND DESCRIBED IN THE CAPTION HEREON HAS CAUSED THIS PLAT OF CARLTON PARK, A SUBDIVISION OF LEHIGH ACRES TO BE MADE AND DO HEREBY DEDICATE TO THE PERPETUAL USE OF THE PUBLIC STREETS, ROADS, DRIVES AND/OR LANES SHOWN HEREON. ALL CANAL RIGHTS OF WAY ARE HEREBY DEDICATED TO THE EAST COUNTY WATER CONTROL DISTRICT.

IN WITNESS WHEREOF GERALD H. GOULD AND ARTHUR KESSLER RESPECTIVELY PRESIDENT AND ASST. SEC. OF LEHIGH ACRES DEVELOPMENT CORPORATION, BY AND WITH AUTHORITY OF IT'S BOARD OF DIRECTORS HAVE EXECUTED THESE PRESENTS FOR AND ON BEHALF OF SAID CORPORATION AND CAUSED IT'S CORPORATE SEAL TO BE AFFIXED THIS 3rd DAY OF August A.D. 1964

LEHIGH ACRES DEVELOPMENT CORPORATION

BY Gerald H. Gould
President

ATTEST Arthur Kessler
Asst. Sec.

STATE OF FLORIDA
COUNTY OF LEE

I HEREBY CERTIFY THAT ON THIS DAY, BEFORE ME AN OFFICER DULY AUTHORIZED TO TAKE ACKNOWLEDGEMENTS, PERSONALLY APPEARED GERALD H. GOULD AND ARTHUR KESSLER RESPECTIVELY PRESIDENT AND ASST. SEC. OF LEHIGH ACRES DEVELOPMENT CORPORATION TO ME KNOWN TO BE THE PERSONS DESCRIBED IN AND WHO EXECUTED THE FOREGOING DEDICATION AS PRESIDENT AND ASST. SEC. RESPECTIVELY OF LEHIGH ACRES DEVELOPMENT CORPORATION FOR THE PURPOSES THEREIN SET FORTH.

WITNESS MY HAND AND OFFICIAL SEAL AT FORT MYERS, SAID COUNTY AND STATE THIS 3rd DAY OF August A.D. 1964

Joan Wilhite
NOTARY PUBLIC STATE OF FLORIDA AT LARGE

My Commission Expires, [illegible]

ALL BEARINGS ARE FROM THE TRUE MERIDIAN BASED ON OBSERVATION OF POLARIS AT S.W. CORNER OF SECTION 30, TOWNSHIP 44, RANGE 27, LEE COUNTY, FLORIDA

APPROVALS

THIS PLAT APPROVED THIS 5th DAY OF August A.D. 1964 IN OPEN MEETING OF THE BOARD OF COUNTY COMMISSIONERS OF LEE COUNTY, FLORIDA.

APPROVED [signature]
Chairman

D. D. Tarakee
Clerk

[signature]
County Attorney

[signature]
County Engineer

I HEREBY CERTIFY THAT THIS PLAT OF CARLTON PARK, A SUBDIVISION OF LEHIGH ACRES, HAS BEEN EXAMINED BY ME AND FROM MY EXAMINATION I FIND THAT SAID PLAT COMPLIES IN FORM WITH THE REQUIREMENTS OF SURVEY LAWS OF FLORIDA.

I FURTHER CERTIFY THAT SAID PLAT WAS FILED FOR RECORD AT FORT MYERS THIS 5 DAY OF August A.D. 1964, AND DULY RECORDED IN PLAT BOOK 20 ON PAGES 1-4 OF PUBLIC RECORDS OF LEE COUNTY, FLORIDA.

D. D. Tarakee
Clerk Of The Circuit Court In And For Lee County

CERTIFICATE OF SURVEY

I HEREBY CERTIFY THAT THIS PLAT IS A CORRECT REPRESENTATION OF A SURVEY MADE UNDER MY DIRECTION AND THAT PERMANENT REFERENCE MONUMENTS HAVE BEEN PLACED AS SHOWN.

R.V. Jamme
FLORIDA REGISTERED LAND SURVEYOR No. 1198

THE OWNER DOES HEREBY DEDICATE TO THE PERPETUAL USE OF THE EAST COUNTY WATER CONTROL DISTRICT THE CANAL RIGHTS OF WAY SHOWN HEREON AND ALL PRESENT AND FUTURE WORKS BUILT OR CONSTRUCTED WITHIN THESE RIGHTS OF WAY SHALL BE OWNED AND MAINTAINED BY SAID EAST COUNTY WATER CONTROL DISTRICT.

⊙ P.R.M., 2 MONUMENTS, BOTTOM 4"x 4"x 18" WITH 3/8" STEEL ROD, TOP 4"x 4"x 18" CONC.

• MONUMENT 4"x 4"x 24" CONCRETE x WITNESS MONUMENT 4"x 4"x 24" CONCRETE.

PART IV #26-94

Recommended Action

Engineering Review:

By: _____ 6/17/2026 **Approved _X_ Denied __**

District Field Review:

By: _____ **Approved ___ Denied ___**

District Manager: _____ **Date**: _____

Comments:

The referenced permit application submitted by Lumos Fiber of Florida, LLC for a subaqueous crossing Jig Canal (47-33-2) at 206 E 3rd St., in Lehigh Acres, has been reviewed and is recommended for approval with the following stipulations:

1. On sheet 7 of the plans, please remove or modify dimensions of 19.6' and 19.7', as well as make the bore elevations (2.5') more noticeable to avoid construction site mistakes.

2. On sheet 7 of the site plans, minimum 10' offset from canal bottom, Disturbed R/W sodding requirements, and 48" minimum bore offsets from pavement notes are missing, please revise.

3. On sheet 11 of the plans, the culvert crossing detail specifies 24" minimum offset from culvert, if the detail is depicting a canal crossing, the offset should be 120" or 10'. If not, please include a note to clarify that the details do not apply to LA-MSID canal crossing.

4. Permanent above-ground cable markers must be placed at the canal right-of-way (R/W) line on each side of the crossing.

5. Any disturbed canal R/W must be restored with sod and maintained until fully established. Seeding will not be permitted.

6. Within 30 days of completing the improvements, provide LA-MSID with a copy of the survey record drawings indicating the location and elevation of utilities within the canal R/W.

7. The permittee will be responsible for any necessary repairs, alterations, or relocation of the utility if required for future maintenance or repairs of the canal.

8. Lee County DOT must review and approve any utility work proposed within the County Road R/W.

LEHIGH ACRES - MUNICIPAL SERVICES IMPROVEMENT DISTRICT
PERMIT

THIS PERMIT is granted this 20th day of July, 2026, by Lehigh Acres Municipal Services Improvement District (hereinafter referred to as "DISTRICT"), 601 East County Lane, Lehigh Acres, Florida 33936, to Lumos Fiber of Florida, LLC, 4100 Mendenhall Oaks Parkway, Suite 300, High Point, NC 27265, hereinafter referred to as the "Permittee") as a non-exclusive permit for a directional bore under George Canal (47-21-1), along the west side of Fifth Ave., between 8th St. E. & E. 7th St., in Lehigh Acres, FL.

W I T N E S S E T H:

1. In the event the DISTRICT is not the fee title owner of the real property (the "Property") to which this Permit is applicable, the Permittee agrees, prior to commencement, to obtain all necessary consents from the fee title owners of the Property.

2. This Permit does not constitute a waiver of the necessity by the Permittee to obtain such other necessary and appropriate permits required by other governmental bodies or agencies; therefore the Permittee, prior to commencement, is required to obtain any and all other applicable federal, state, and local permits required in connection with Permittee's use of the Property and agrees that at all times it will comply with the requirements of all federal, state and local laws, ordinances, rules and regulations applicable or pertaining to the use of the Property by the Permittee.

3. Permittee understands and agrees that the use of the Property pursuant to this Permit is subordinate to the rights and interests of the DISTRICT and to the extent applicable that of the fee title owner of the Property. Further, Permittee does hereby stipulate that the Permittee is not relying upon any representations whatsoever by the DISTRICT regarding the DISTRICT'S right, title, interest, or ownership as to the Property for which this Permit is applicable.

4. The Permittee, by accepting this permit, specifically agrees to allow authorized District Personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:
    a. Having access to and copying any records that must be kept under the conditions of the permit:
    b. Reviewing the facility, equipment, practices, or operations regulated or required under this permit; and
    c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or District rules.

5. The DISTRICT specifically reserves the right to maintain its facilities located over, under or upon the Property; to make improvements; add additional facilities; maintain, construct or alter its roads; maintain any facilities, devices, or improvements on the Property which aid in or are necessary to the DISTRICT'S operation; and the right to enter upon the Property at all times for such purposes. Permittee understands that in the exercise of such rights and interest, the DISTRICT may require Permittee, at no cost to DISTRICT, to relocate, alter, or remove the Permittee's facilities and equipment or other improvements made by Permittee pursuant to this Permit which interfere with or prevent the DISTRICT, in the DISTRICT'S opinion, from properly and faithfully constructing, improving and maintaining its facilities. If the Permittee should fail to relocate, alter, or remove the Permittee's facilities, equipment or other improvements made by the Permittee pursuant to this Permit within a reasonable time period following receipt of notice from the DISTRICT requesting same, then in that event the DISTRICT shall have the right to enter upon the lands and make such relocation, alterations or removal of the Permittee's facilities, equipment/or other improvements at no cost to DISTRICT.

6. Permittee agrees that it will not use the Property in any manner which interferes with the DISTRICT'S

use of the Property or causes a hazardous condition to exist.

7. The DISTRICT assumes no responsibility for the ownership, operation and/or maintenance of the Permittee's facilities as permitted herein.

8. The Permittee agrees to backfill any excavation it makes within the Property and to repair or replace (i) any below-grade authorized facilities and features located therein, including but not limited to: water, sewer, stormwater or irrigation facilities, structures or appurtenances and (ii) as to at or above-grade facilities and features, this requirement shall only be applicable to grasses and sod, sidewalks, and roadway improvements (the term roadway improvements shall include but not be limited to curbing, roadway base, sub grade and asphaltic or concrete surfaces) which are removed or damaged as a direct result of said excavation. Such repair or replacement shall substantially restore these features to their condition as it existed immediately prior to the event precipitating the excavation.

9. All below-grade Permittee installations, including water and sewer lines, whether sub aqueous or not, together with appurtenant facilities, shall be located underground and have a minimum ground cover of thirty inches (30") below original design profile grade, including District waterways and roadways.

10. All Permittee activity related to sub aqueous utility, water and/or sewer lines, including appurtenant facilities, shall be conducted in such fashion that the primary functional purpose of the canal or lake body facility, specifically flood control, within which the activity is taking place is not adversely affected. More specifically, sub aqueous construction shall conform to the criteria given in the Lehigh Acres Municipal Services Improvement District (Lehigh Acres – MSID) Administrative Policy and Procedures.

11. Permittee shall, at no expense to DISTRICT and within a reasonable time following notice, adjust the positions and elevations of its facilities as may be required in connection with future improvements to, or construction of, works of the DISTRICT.

12. Permittee does hereby indemnify and hold harmless the DISTRICT, its Board of Commissioners, officers, personnel, and it's Engineers against any claims, losses, damages (including consequential), expenses, or legal fees that might arise out or result from the implementation of the proposed project by the Permittee or that may be caused by a failure of DISTRICT facilities or property.

13. The Permittee shall be obligated at the time of submission of its Permit application, to provide a detail of any other existing improvements located over, under, upon or through the Property and the Permittee's accompanying plans and specifications shall clearly indicate how the Permittee will comply with required clearances between the requested permitted activity and existing improvements located over, under and upon the Property, including compliance with other permitted users duly adopted and published standards.

14. Permittee shall reimburse the DISTRICT for its legal, engineering and other expenses incurred as a result of the implementation of the proposed project.

15. If Permittee should violate any of the terms or conditions of the Permit and shall not correct or remedy same within ten (10) days of receiving written notice of said violation from the DISTRICT, then in that event, the DISTRICT may, at its option, revoke, cancel and terminate this Permit.

16. This Permit may not be assigned by the Permittee without the prior written approval of the DISTRICT.

17. Unless otherwise adjusted, modified or terminated as set forth hereinabove, including the Conditions attached hereto, this Permit shall continue in full force and effect so long as Permittee complies with the

terms of this Permit.

18. In any litigation, including breach, enforcement or interpretation arising out of this Permit, the prevailing party to this Permit shall be entitled to recover reasonable attorney's fees, costs and expenses related to said action from the non-prevailing party.

19. That attached hereto are Supplemental Conditions to this Permit which are incorporated herein and made a part hereof.

LEHIGH ACRES – MUNICIPAL SERVICES IMPROVEMENT DISTRICT

BY: _____

NAME TYPED: David E. Lindsay

TITLE: District Manager

SUPPLEMENTAL CONDITIONS TO PERMIT NO. 26-95

A. GENERAL CONDITIONS

1. Notification shall be given by the Permittee to the District Engineer, AIM Engineering, at 239-332-4569 forty-eight (48) hours prior to commencement of the permitted activity. The District Engineer shall establish points of construction, if applicable, which will require inspection by the District Engineer prior to construction of the permitted activity. When the Permittee considers the permitted activity complete, the Permittee shall notify the District Engineer and schedule an on-site final inspection which shall be held in the presence of a representative of the Permittee and the District Engineer.

2. The permitted activity shall be implemented, constructed and/or installed in full accordance with the approved plans and specifications within six (6) full calendar years from the date of permit approval. Deviations from the approved plans or specifications shall be coordinated with and approved by the District Engineer prior to implementation of any such deviation.

3. When working in a District road right-of-way, not more than one-half (½) of the road or street shall be closed and traffic shall be controlled so as to provide for the safety and minimum hindrance to the public. All traffic control operations shall conform to the most current issue of the Florida Department of Transportation publication "Manual on Traffic Controls and safe Practices for Street and Highway Construction, Maintenance and Utility Operations."

4. The District Engineer shall be the final authority as to the quality and quantity of the material and works required to satisfy the terms and conditions of this Permit as they relate to District improvements and facilities.

5. Upon completion of the permitted activity and after its final review and acceptance by the District Engineer THE PERMITTEE SHALL DELIVER TO THE DISTRICT OFFICE ONE COMPLETE SET OF THE FINAL "RECORD DRAWINGS." FAILURE TO PROVIDE THE FINAL RECORD DRAWINGS MAY RESULT IN THE REVOCATION, CANCELLATION AND TERMINATION OF THIS PERMIT.

6. The above Conditions shall be continuing obligations of the Permittee and shall be complied with in the event of any subsequent maintenance, repair, replacement or modification of the permitted improvement.

Stipulations:

1). Permit #26-95 is approved according to the plans submitted May 28th, 2026.

2). The proposed directional bore must maintain a minimum clearance of 10 feet below the bottom elevation of the canal for the entire 130' within the canal right of way.

3). Permanent utility markers, (at least 4' high) with the utility companies contact information clearly labeled on it, must be installed at each canal right of way line over top the proposed line.

4). All guy wires, poles, pull boxes, etc. must be located outside of the canal right of way and not interfere with the District's canal maintenance activities.

5). All canal R/W that is disturbed must be restored with sod and maintained until well established (no seeding will be allowed).

6). Boring contractor is not allowed to pump water out of the LAMSID canals for their boring operations unless they apply for and receive a water use permit from LAMSID.

7). The Permittee will be responsible for any repairs, alterations, or relocation of the utility if required for repairs or maintenance of the canal in the future.

8). Provide LAMSID with a copy of your record drawings and a copy of your bore depth logs showing where your utilities are located within the canal R/W and at what elevation they are located, within 30 days following completion of the improvements.

9). Lee County DOT must review and approve the utility work that is outside of the canal right of way along Fifth Ave.

05-28-26
26-95

APPLICATION FOR A PERMIT

*Note: The review of permit applications will be conducted per the Lehigh Acres Municipal Services Improvement District's Administrative Policy and Procedures

AGENT NAME: WILLIAM KIEFER **PHONE #:** (515) 306 - 3403

PROJECT NAME: LE1_018_FDH_003 721 5TH AVE - GEORGE CANAL 47-21-1

TOTAL ACREAGE: N/A

Property Address (STRAP associated with this address will be used as the primary STRAP for this project): 721 5TH AVE					
Mailing Address:	N/A				
City:	LEHIGH ACRES	**State:**	FLORIDA	**Zip:**	33972

STRAP NUMBERS (*attach additional sheet if necessary*):

28-44-27-L1-11041-0230

Brief description of proposed project:

Application for: DIRECTIONAL BORE 2x1.25" HDPE SDR 11 CONDUIT 129.99'
IN THE LAMSID ROW OF GEORGE CANAL 47-21-1 ALONG FIFTH AVE

RECEIVED
JUN 18 2026
LEHIGH ACRES
MUNICIPAL SERVICES
IMPROVEMENT DISTRICT

Is the project proposed to be developed in phases? ☐ Yes ☑ No

Estimated # of Phases:	1
***Permit Fee:**	$2699.85 **(to be verified by staff)**

* See Administrative Policy and Procedures Sections 4.15 – 4.17 for current Permit Fee Amount.

PART II

OWNER/APPLICANT/ DEVELOPER INFORMATION

A.

Name of Applicant	LUMOS FIBER OF FLORIDA, LLC				
Mailing Address:	**Street:**	4100 MENDENHALL OAKS PKWY, SUITE 300			
City:	HIGH POINT	**State:**	NORTH CAROLINA	**Zip:**	27265
Phone No.	**Area Code:** 515	**Number:**	306 - 3403	**Ext.**	
Fax No.	**Area Code:**	**Number:**	-		
E-mail Address:	WILLIAM.KIEFER@LUMOSFIBER.COM				

B. **Relationship of applicant to property*:**
Owner* ☐ **Trustee*** ☐ **Option holder*** ☐ **Lessee*** ☐

Contract Purchaser* ☐ **Other (indicate)*** ☑ UTILITY

C.

Name of Developer:	MILENIUM DIRECTIONAL DRILLING, INC				
Mailing Address:	**Street:**	5395 COGSWELL DR			
WAYNE		**State:**	MI	**Zip:**	48184
	Area Code: (313)	**Number:**	326 - 2333	**Ext.**	
Fax No.	**Area Code:** ( )	**Number:**	-		
E-mail Address:	FELECAND@MILENIUMBORS.COM				

D.

Name of Authorized Agent(s):	CENTILLION SOLUTIONS						
Mailing Address:	Street:	6030 BETHELVIEW RD, SUITE 301					
City:	CUMMING		State:	GEORGIA		Zip:	30040
Phone No.	Area Code:	(480)	Number:	442 - 0562		Ext.	
Fax No.	Area Code:	( )	Number:	-			
E-mail Address:	KYLE.PARKEY@CENTILLIONSOLUTIONS.COM						

E.

Name of Property owner:	N/A						
Mailing Address:	Street:						
City:			State:			Zip:	
Phone No.	Area Code:	( )	Number:	-		Ext.	
Fax No.	Area Code:	( )	Number:	-			
E-mail Address:							

*A disclosure of the name of all persons or entities having an ownership interest in the property is required (attached).

PART III

DISCLOSURE OF OWNERSHIP INTEREST FORM FORM:

	-	-	-	-	-

PRIMARY STRAP NUMBER:

1. If the property is owned in the fee simple by an **INDIVIDUAL**, tenancy by the entirety, tenancy in common, or joint tenancy, list all parties with an ownership interest as well as the percentage of such interest.

Name and Address	Percentage of Ownership

2. If the property is owned by a **CORPORATION**, list the officers and stockholders and the percentage of stock owned by each.

Name, Address, Office	Percentage of Stock

3. If the property is in the name of a **TRUSTEE**, list the beneficiaries of the trust with percentages of interest.

Name and Address	Percentage of Interest

4. If the property is in the name of a **GENERAL PARTNERSHIP OR LIMITED PARTNERSHIP**, list the names of general and limited partners.

Name and Address	Percentage of Interest

5. If there is a **CONTACT FOR PURCHASE**, whether contingent on this application Or not, and whether a Corporation, Trustee, or Partnership, list the names of the contract purchasers below, including the officers, stockholders, beneficiaries, or partners.

Name and Address	Percentage of Interest

Date of Contract (mm/dd/yy): / /

6. If any contingency clause or contract terms involve additional parties, list all individuals or officers, if a corporation, partnership, or trust.

Name and Address	Percentage of Interest

For any changes of ownership of changes in contracts for purchase subsequent to the date of the application, but prior to the date of final certificate for compliance, a supplemental disclosure of interest must be filed.

The above is a full disclosure of all parties of interest in this application, to the best of my knowledge and belief.

William Kiefer
SIGNATURE OF APPLICANT

WILLIAM KIEFER
PRINTED OR TYPED NAME OF APPLICANT

STATE OF FLORIDA
COUNTY OF LEE

The foregoing instrument was acknowledged before me this 17th day of June (m), 2026 (y), by William Kiefer who is personally know to me or has produced _____ as identification.

Shandie N Bradshaw
SIGNATURE OF NOTARY PUBLIC

Shandie N Bradshaw
PRINTED NAME OF NOTARY PUBL

SHANDIE NICOLE BRADSHAW NOTARY PUBLIC REG. #7132142 MY COMMISSION EXPIRES August 31, 2026 COMMONWEALTH OF VIRGINIA

PART IV

EXPLANATION

All Permit Application sections must be completed and submitted.

Permit Application fees and submittal items (see Part VI) must be submitted with the application.

Any and all work involving the lands and/or facilities of the District shall not commence without a Board approved permit.

All set policies, procedures, technical requirements, and fee schedules can be found and reviewed in the 'Administrative Policy and Procedures Guide'. The Guide is available at the District Office located at 601 East County Lane, Lehigh Acres, FL or online at la-msid.com/.

PART V

PROFESSIONAL CONSULTANT FORM

ATTORNEY

Name:							
Mailing Address:							
City:		State:				Zip:	
Business No.	Area Code:	( )	Number:	-		Ext.	
Other Contact:							

ENGINEER

Name:	MCKIM & CREED						
Mailing Address:	5701 DIVISION DR, STE A						
City:	FORT MYERS	State:		FLORIDA		Zip:	33905
Business No.	Area Code:	(239)	Number:	980 - 3384		Ext.	
Other Contact:							

OTHER REPRESENTATIVE/PROFESSIONAL

Name:	BLAIR CONSULTING SERVICES, INC						
Mailing Address:	1428 SUNBLUSH LN						
City:	LAS VEGAS	State:		NV		Zip:	89117
Business No.	Area Code:	(813)	Number:	579 - 0128		Ext.	
Other Contact:							

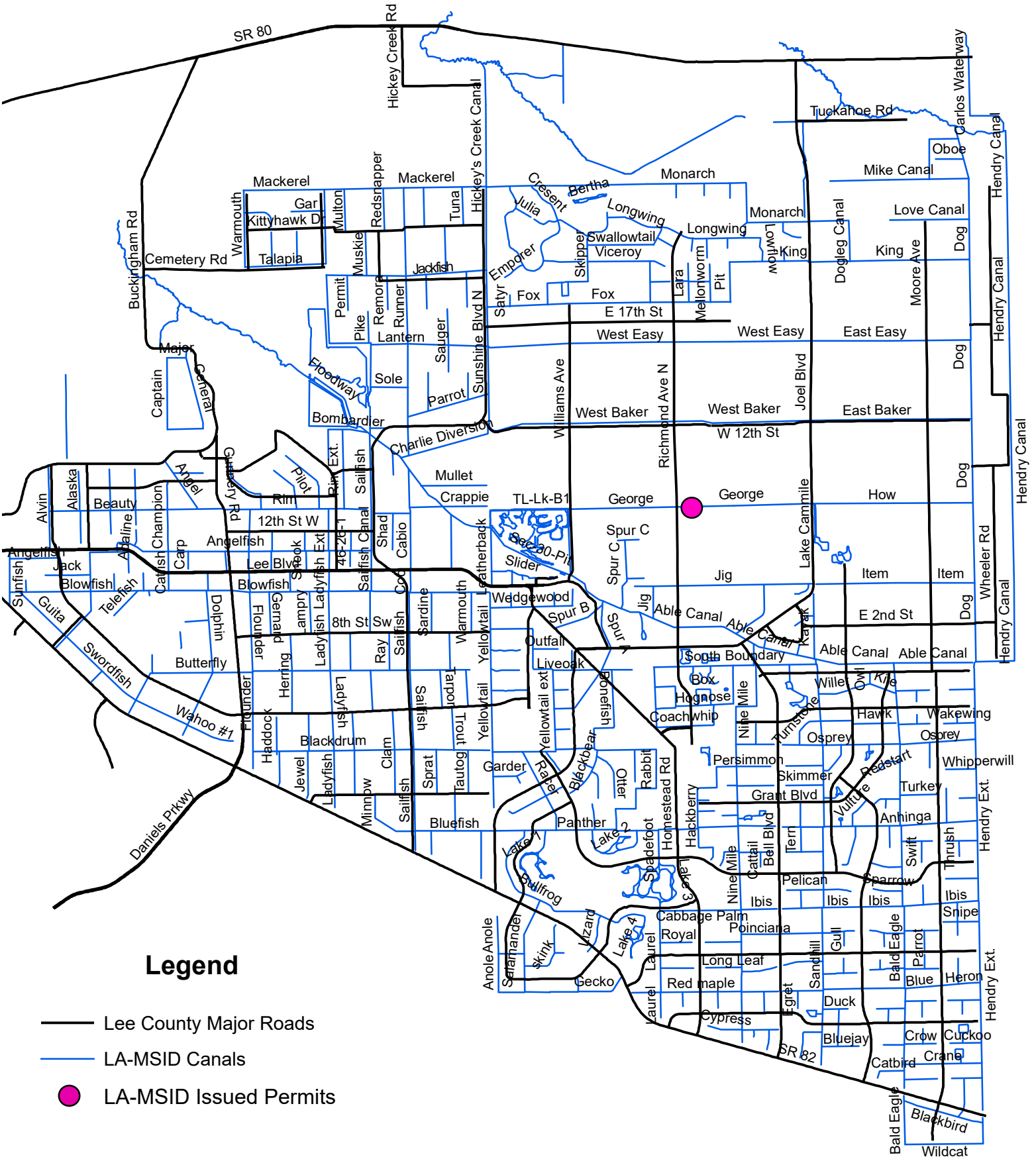
PART VI

SUBMITTALS

NO. OF COPIES		SUBMITTAL DOCUMENT
SUB'D	REQ'D	
		ITEMS REQUIRED FOR INITIAL SUBMITTAL
2	2	**Construction/Development Plans** signed and sealed by a Licensed Florida Professional Engineer including: 1. Location map showing the location of the proposed project in relation to adjacent streets and LA-MSID facilities. 2. Details of proposed works that fully communicate the work and/or use desired (i.e. Existing Conditions Survey, Proposed Site Plan, Paving Grading & Drainage Plan, Cross Sections, Element Details, and Erosion Control Plan sheets). 3. Sufficient survey data to determine elevations, property and ROW lines, limits of existing and proposed conditions, and notation of utilized vertical datum (NAVD/NGVD).
NA	2	**Stormwater Drainage Calculations** signed and sealed by a Licensed Florida Professional Engineer including, but not limited to, computer stormwater routing modeling data (ICPR4, Cascade, etc.) to verify compliance with the Design Criteria (input summary data below): **Water Quality Volume (Required):** _____(ACRE-FT) **Water Quality Volume (Provided):** _____(ACRE-FT) **Control Elevation:** _____(FT-NGVD) **Minimum Road/Parking Elevation:** _____(FT-NGVD) *(above the 10-year, 1-day design storm peak stage elevation)* **Minimum Perimeter Berm Elevation:** _____(FT-NGVD) *(above the 25-year, 3-day design storm peak stage elevation)* **Minimum Finished Floor Elevation:** _____(FT-NGVD) *(above the 100-year, 3-day design storm peak stage elevation and previously experienced high-water levels external to project)*
2	2	**Flash Drive / CD** containing plans in both AutoCAD (.dwg file drawn in "State Plane Coordinates") and PDF formats.
2	2	**Permit Application** (PARTS I & II)
2	2	**Disclosure of Owner Form (signed and notarized)** (PART III)
2	2	**Professional Consultant Form & Submittals** (PARTS V & VI)
NA	2	**Copy of Approved FDEP Notice of Intent (NOI)** for all sites one (1) acre and greater in size.
NA	2	**Copy of approved SWFMD permit**, for all sites required to get a permit, **or FDEP "10/2 Self-Certification"** approval.
1	1	**Check for appropriate Permit Fees** made out to LA-MSID.

Lehigh Acres Municipal Services Improvement District
♦601 East County Lane ♦Lehigh Acres, FL 33936 ♦Phone: (239) 368-0044

Permit # 2026-95

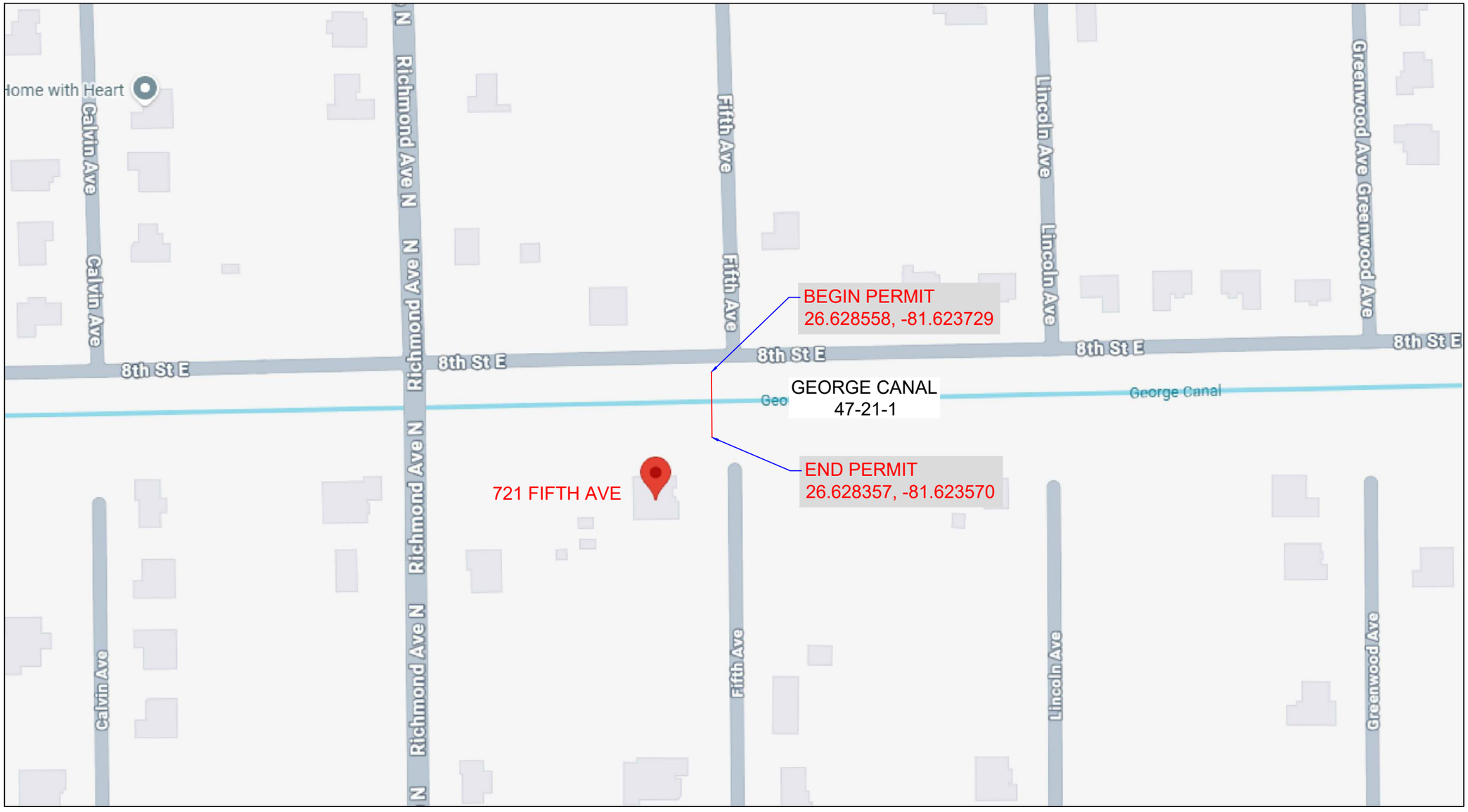


Legend

- Lee County Major Roads
- LA-MSID Canals
- LA-MSID Issued Permits

LE1_018_FDH_003 - LEHIGH ACRES_LEE COUNTY_FLORIDA - GEORGE CANAL

721 5TH AVE, LEHIGH ACRES, FL 33972 (26.628434, -81.623722)



PERMIT #:

PROJECT DESCRIPTION

- BURIED PLACEMENT OF 320' OF (2) 1.25" HDPE SDR 11 CONDUIT EQUIPPED WITH (1) 288-CT FIBER OPTIC CABLE. (0) PROPOSED HANDHOLES.
- PIPE TO BE INSTALLED BY MEANS OF HORIZONTAL DIRECTIONAL DRILLING AND HAND DIGGING METHODS.
- ALL AREAS DISTURBED BY INSTALLATION TO BE RESTORED TO EXISTING OR BETTER CONDITION.

DRAWING INDEX

SHEET NUMBER	SHEET TITLE	SHEET NUMBER	SHEET TITLE
1	COVER SHEET	7	PROFILE VIEW
2	SOW AND CONTACTS	8 - 9	IMAGES
3	LEGEND	10 - 12	TYPICALS
4 - 5	GENERAL NOTES		
6	PROJECT SHEETS		

PERMITTING AGENCY
LA - MSID

lumos

BLAIR CONSULTING SERVICES, Inc.

1428 SUNBLUSH LN
LAS VEGAS, NV 89117

811 Know what's below. Call before you dig.

Blair Consulting Services, INC
1428 Sunblush Ln, Las Vegas, NV 89117
Fabio Perassi - Project Manager
fsperassi@gmail.com

LUMOS
William Kiefer - OSP Project Engineer
william.kiefer@lumosfiber.com
Phone: (515) 306-3403

Jason Bush - Construction Manager
jason.bush@lumosfiber.com
Phone: (941)812-2913

EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND BASED ON AVAILABLE RECORDS AND FIELD OBSERVATIONS. CONTRACTOR IS RESPONSIBLE FOR CALLING 811 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES AND ANY DAMAGE TO THE UTILITIES SHALL BE IMMEDIATELY REPAIRED AT THE CONTRACTOR'S EXPENSE.

REVISION DATA

NO.	DESCRIPTION	BY	DATE
----	----	----	----
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SHEET TITLE:	COVER SHEET
PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_018_FDH_003
DESCRIPTION:	GEORGE CANAL
DRAWING NAME:	LE1_018_FDH_003 - LEHIGH ACRES_LEE COUNTY_FLORIDA - GEORGE CANAL
SHEET:	1 OF 12

SCOPE OF WORK

- BURIED PLACEMENT OF 320' OF (2) 1.25" HDPE SDR 11 CONDUIT EQUIPPED WITH (1) 288-CT MICROFIBER OPTIC CABLE. (0) PROPOSED HANDHOLES.
- PIPE TO BE INSTALLED BY MEANS OF HORIZONTAL DIRECTIONAL DRILLING AND HAND DIGGING METHODS.
- ALL AREAS DISTURBED BY INSTALLATION TO BE RESTORED TO EXISTING OR BETTER CONDITION.

UTILITY OWNER CONTACTS

LUMOS
William Kiefer - OSP Project Engineer
William.kiefer@lumosfiber.com
Phone: (515) 306-3403

Jason Bush - Construction Manager
jason.bush@lumosfiber.com
Phone: (941)812-2913

ENGINEERING COMPANY

Blair Consulting Services, INC
1428 Sunblush Ln,
Las Vegas, NV 89117

PROJECT MANAGER
Fabio Perassi
813-579-0128
fsperassi@gmail.com

UTILITIES CONTACTS

CENTURYLINK
BILL MCCLOUD
(850) 815-3144

LEE COUNTY ELECTRIC CO-OP
TOM BAILEY
(239) 656-2414

LUMOS FIBER OF FLORIDA, LLC
MARLON BROWN - SR DIRECTOR
MARLON.BROWN@LUMOSFIBER.COM
(540) 278-0304

FLORIDA GOVERNMENTAL UTILITIES AUTHORITY - LEHIGH
POTABLE WATER/SANITARY SEWER
LINA MARIA QUINTERO, PE
(727) 858-2396

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT
MICHAEL COOK
(239) 368-0044 Ext. 16
MCOOK@LA-MSID.COM
STORM WATER/CANALS

LEE COUNTY DEPARTMENT OF TRANSPORTATION (DOT)
COMMERCIAL RIGHT OF WAY USE PERMIT
(239) 533-8580
ROADS

FDOT
DISTRICT 1 - COUNTIES: CHARLOTTE, COLLIER, DESOTO, GLADES, HARDEE, HENDRY, HIGHLANDS, LEE, MANATEE, OKEECHOBEE, POLK, SARASOTA
801 N. BROADWAY AVENUE
BARTOW, FLORIDA 33830
PHONE: (800) 292-3368
PHONE: (239) 225-1900

PERMITTING AGENCY
LA - MSID

lumos

BLAIR CONSULTING SERVICES, Inc.

1428 SUNBLUSH LN
LAS VEGAS, NV 89117

811 Know what's below. Call before you dig.

EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND BASED ON AVAILABLE RECORDS AND FIELD OBSERVATIONS. CONTRACTOR IS RESPONSIBLE FOR CALLING 811 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES AND ANY DAMAGE TO THE UTILITIES SHALL BE IMMEDIATELY REPAIRED AT THE CONTRACTOR'S EXPENSE.

REVISION DATA

NO.	DESCRIPTION	BY	DATE
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SHEET TITLE:
SOW & CONTACTS

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_018_FDH_003
DESCRIPTION:	GEORGE CANAL
DRAWING NAME:	LE1_018_FDH_003 - LEHIGH ACRES_LEE COUNTY_FLORIDA - GEORGE CANAL

SHEET: 2 OF 12

LINETYPES

- UG FIBER – EXISTING
- UG FIBER – PROPOSED
- AERIAL FIBER – EXISTING
- AERIAL FIBER – PROPOSED
- COMMUNICATION (COM)
- RECLAIM WATER (RCW)
- DITCH
- GUARDRAIL
- ROAD CENTERLINE
- EASEMENT (ESMT)
- GAS (G)
- WATER (W)
- TELEPHONE (T)
- ELECTRIC (E)
- SANITARY SEWER (SEW)
- STORM DRAIN (SD)
- FENCE (X)
- CABLE TV (TV)
- STEAM (STM)
- OIL (OIL)
- UNKNOWN UTILITY (UNK)
- RIGHT OF WAY (R/W)
- EDGE OF PAVEMENT (EOP)
- SIDEWALK (S/W)

SYMBOL	DESCRIPTION
BP	BORE PIT
EOP	EDGE OF PAVEMENT
EOTW	EDGE OF TRAVEL WAY
FOC	FIBER OPTIC CABLE
HDPE	HIGH DENSITY POLYETHYLENE
HH	HANDHOLE
JB	JUNCTION BOX
MH	MANHOLE
MP	MILE POST
O/S	OFFSET
PVC	POLY VINYL CHLORIDE
RGS	RIGID GALVANIZED STEEL CONDUIT
ROW	RIGHT OF WAY
S/W	SIDEWALK
STA.	STATION

- CB — CABINET
- P — PEDESTAL
- E — ELECTRIC
- EM — ELECTRIC METER
- MH — MANHOLE
- R — RISER
- T — TELEPHONE
- P — POWER VAULT
- CATCH BASIN/INLET
- FIRE HYDRANT
- GROUND/BOND
- STREET LIGHT
- TREE
- CULVERT
- WING WALL
- BRIDGE
- U — MISC. UTILITY
- UTILITY POLE – EXISTING
- OWNER ID — POLE – PROPOSED
- HH — HANDHOLE – EXISTING
- HH — HANDHOLE – PROPOSED
- PD — PEDESTAL – PROPOSED
- MKR — PROMARK DOME MARKER POST
- BORE PIT – PROPOSED

- 0' — AERIAL STORAGE – EXISTING
- 0' — AERIAL STORAGE – PROPOSED
- 0' — VAULT/BUILDING STORAGE – EXISTING
- 0' — VAULT/BUILDING STORAGE – PROPOSED
- POLE ANCHOR/DOWN GUY – EXISTING
- POLE ANCHOR/DOWN GUY – PROPOSED
- PROPOSED DOWN GUY ON EXISTING ANCHOR
- FDP / NAME / SIZE / LOCATION — TERMINATION – EXISTING
- FDP / NAME / SIZE / LOCATION — TERMINATION – PROPOSED
- BUILDING / NAME / STREET — BUILDING CALLOUT – PROPOSED
- MANUFACTURER NAME — SPLICE POINT – EXISTING
- MANUFACTURER NAME — SPLICE POINT – PROPOSED

#F	
	IN: 0
	OUT: 0

SEQUENTIAL CALLOUT

#F	
	IN: 0
	TAIL: 0

SEQUENTIAL IN TAIL CALLOUT

#F	
	TAIL: 0
	OUT: 0

SEQUENTIAL TAIL OUT CALLOUT

POLE NO	N/A
UTILITY1	0'-0"

POLE ATTACHMENT CALLOUT – EXISTING
USE DYNAMIC PULL DOWN TO SELECT FROM 1 TO 6 ATTACHMENTS

POLE NO	N/A
UTILITY1	0'-0"

POLE ATTACHMENT CALLOUT – PROPOSED
USE DYNAMIC PULL DOWN TO SELECT FROM 1 TO 6 ATTACHMENTS

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REVISION DATA

NO.	DESCRIPTION	BY	DATE
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SHEET TITLE: LEGEND

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_018_FDH_003
DESCRIPTION:	GEORGE CANAL
DRAWING NAME:	LE1_018_FDH_003 - LEHIGH ACRES_LEE COUNTY_FLORIDA - GEORGE CANAL
SHEET:	3 OF 12

GENERAL NOTES

CONTRACTOR MUST OBTAIN LOCATES PRIOR TO DISTURBING THE GROUND.

CONTRACTOR MUST HAVE A COPY OF THE APPROVED PERMIT FROM THE APPROPRIATE AGENCY ON THE JOBSITE AT ALL TIMES.

ALL CABLE WILL BE PLACED AT A MINIMUM DEPTH OF 36" DEEP UNLESS OTHERWISE DIRECTED BY A REPRESENTATIVE OF THE UTILITY OWNER.

ANY LANDSCAPING WILL BE REPLACED TO EQUAL OR BETTER THAN THAT WHICH EXISTED PRIOR TO WORK, 72 HOURS AFTER COMPLETION OF WORK.

PROJECT SITE WILL BE PROPERLY SECURED PRIOR TO THE END OF EACH DAY.

ALL WORK IS TO BE IN ACCORDANCE WITH ALL AUTHORITIES HAVING JURISDICTION IN THE WORK ZONE.

CONTRACTORS ARE ADVISED TO CONTACT THE PROJECT MANAGER FOR ANY ADDITIONAL INFORMATION OR CLARIFICATION CONCERNING SCOPE OF WORK OR THE REQUIREMENTS NECESSARY FOR PROJECT COMPLETION.

CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY ALL DIMENSIONS, QUANTITIES AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION. IF A SIGNIFICANT CHANGE TO THE RUNNING LINE IS NEEDED, PLEASE CONTACT THE PROJECT MANAGER BEFORE PROCEEDING.

BEFORE CONSTRUCTION BEGINS, CONTRACTOR SHALL TAKE APPROPRIATE PRECAUTIONS TO AVOID ANY POTENTIAL OBSTRUCTIONS PRIOR TO PROCEEDING WITH WORK.

NO CONSTRUCTION ON PRIVATE PROPERTY WILL COMMENCE UNTIL APPROVAL IS GIVEN BY A REPRESENTATIVE OF THE UTILITY OWNER.

CONTRACTOR SHALL NOT PROCEED WITH WORK UNTIL THEY HAVE RECEIVED A PURCHASE ORDER AND HAVE BEEN DIRECTED TO DO SO BY AN AUTHORIZED REPRESENTATIVE OF THE UTILITY OWNER.

CONTRACTOR SHALL NOT EXCEED THE PURCHASE ORDER VALUE WITHOUT AUTHORIZATION IN WRITING FROM THE APPROPRIATE REPRESENTATIVE OF THE UTILITY OWNER.

AS-BUILTS WILL BE REQUIRED FOR EACH PROJECT INCLUDING CABLE FOOTAGE SEQUENTIALS AT EVERY ACCESS POINT, SLACK LOOP, SPLICE LOCATION, POLE AND TERMINATION POINT. CONTRACTOR SHOULD ALSO PROVIDE NOTES OF ALL CHANGES IN DEPTHS, RUNNING LINES, MH/HH LOCATIONS, AND ANY OTHER APPLICABLE NOTES TO DEPICT THE WORK THAT TOOK PLACE. NOTE: ALL MAJOR CHANGES NEED TO BE PRE-APPROVED BY AN AUTHORIZED REPRESENTATIVE OF THE UTILITY COMPANY PRIOR TO STARTING THE WORK.

SITE CONDITIONS

THE ACTUAL LOCATION OF EXISTING CONDUIT AND CABLES MAY VARY FROM THE LOCATION SHOWN. REPAIR OF ANY DAMAGED CONDUIT CONTAINING CABLE SHALL BE MADE BY USE OF PVC SPLIT DUCT. THE CONTRACTOR SHALL ENCLOSE THE EXISTING CABLES IN PVC.

THE LOCATIONS OF EXISTING UTILITIES SHOWN IN THIS PLAN ARE APPROXIMATE. WHEN WORK IS TO BE CONDUCTED IN THE VICINITY OF KNOWN UTILITIES, THEIR ACTUAL LOCATION MUST BE FIELD VERIFIED TO AVOID CONFLICTS OR DAMAGE TO THOSE UTILITIES. VARIATION IN LOCATION BETWEEN "RECORDED POSITIONS" AND ACTUAL POSITIONS SHOULD BE ANTICIPATED.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES. BURIED UTILITIES MAY EXIST IN THE AREA IN ADDITION TO THOSE SHOWN ON THE PLAN. THE CONTRACTOR SHALL CONTACT PROPERTY OWNERS WHEN WORKING WITHIN PRIVATE EASEMENTS FOR LOCATION OF UNDERGROUND TANKS, PIPELINES, DRAIN TILES, OR OTHER BURIED IMPROVEMENTS. THE CONTRACTOR SHALL ALSO NOTIFY THE UTILITY NOTIFICATION CENTER PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITIES.

THE CONTRACTOR MUST ASSUME ALL BURIED UTILITIES ENCOUNTERED ARE ALIVE AND ACTIVE UNLESS SPECIFICALLY INSTRUCTED OTHERWISE BY OWNERS OR OPERATORS OF SAID UTILITIES.

DAMAGE TO SUB-SURFACE STRUCTURES IS THE SOLE RESPONSIBILITY OF THE PLACING CONTRACTOR.

THE CONTRACTOR SHALL PROTECT THE EXISTING TRAFFIC CONTROL LOOPS. IF EXISTING TRAFFIC CONTROL LOOPS ARE DAMAGED DURING CONSTRUCTION, THE ENTIRE LOOP WIRE FROM TERMINAL TO TERMINAL SHALL BE REPLACED IN ACCORDANCE WITH GOVERNING AGENCY STANDARDS AND REGULATIONS AT CONTRACTOR'S EXPENSE.

REMOVAL OF EXISTING ASPHALT PAVEMENT, CONCRETE CURBS, AND CONCRETE SIDEWALKS WILL BE "NEAT LINE" WITH SAW OR PAVEMENT CUTTER, PER REQUIREMENTS AND SPECIFICATIONS OF THE AGENCY OR DEPARTMENT RESPONSIBLE FOR EACH LOCATION. IF CONCRETE PAVEMENT IS ENCOUNTERED WHILE EXCAVATING CONDUIT TRENCHES, THE CONCRETE REMOVAL WILL BE "NEAT LINE" WITH A PAVEMENT SAW.

IF CONCRETE CURB RETURNS AND/OR SIDEWALKS ARE REPLACED DUE TO CONDUIT OR MANHOLE INSTALLATION, THE CONTRACTOR SHALL PLACE APPROVED HANDICAPPED SIDEWALK AND CURB ACCESS RAMPS IN CONFORMANCE WITH THE APPROPRIATE STATE STATUTES.

ALL MATERIALS NECESSARY FOR THE REPAIR OF STREETS, CURBS, SIDEWALKS, SANITARY SEWERS, STORM SEWERS, AND PUBLIC SERVICE UTILITIES, AND THE INSTALLATION OF SUCH MATERIALS SHALL BE IN CONFORMANCE WITH THE REQUIREMENTS AND SPECIFICATIONS OF THE AGENCY OR DEPARTMENT RESPONSIBLE FOR THE OPERATION AND MAINTENANCE OF THE REPAIRED FACILITY.

ALL WORK SHALL CONFORM TO THE SPECIFICATIONS OF THE JURISDICTIONAL PERMIT AGENCY.

ALL OPEN TRENCH WILL BE CLEARLY MARKED WITH BARRICADES OR CONES. STEEL PLATES OR OTHER TYPES OF BRIDGING SHALL BE PROVIDED TO COVER OPEN TRENCH IN THE TRAVEL PORTION OF THE STREETS. THESE PLATES OR BRIDGING SHALL BE ADEQUATE TO SUPPORT THE NORMAL VEHICLE LOADS ANTICIPATED IN THIS AREA AND SHALL BE IN PLACE DURING ALL NON-WORKING AREAS.

ALL SURFACES TO BE RESTORED TO ORIGINAL CONDITION, AND BACKFILL TO BE COMPACTED AS SPECIFIED. TRENCH EXCAVATION IN SURFACES WHICH INCLUDE CONCRETE TREATED BASE SHALL FOLLOW LOCAL AREA SPECIFICATIONS.

HAZARDOUS MATERIALS

THE CONTRACTOR SHALL NOTIFY THE JURISDICTIONAL PERMIT AGENCY IMMEDIATELY IF ANY MATERIALS ARE ENCOUNTERED THAT ARE CONSIDERED HAZARDOUS BY THE EPA, DEQ, OR OSHA. IF POTENTIALLY HAZARDOUS MATERIALS ARE ENCOUNTERED THE CONTRACTOR SHALL SECURE THE SITE AND PREVENT THE ACCIDENTAL EXPOSURE BY THE PUBLIC OR THE CONTRACTOR'S PERSONNEL.

THE CONTRACTOR MAY EXCAVATE UP TO, BUT SHALL NOT DISTURB KNOWN HAZARDOUS MATERIALS SUCH AS ASBESTOS, OILS, ACID, ETC. THE REMOVAL OF ALL HAZARDOUS MATERIALS MUST BE DONE BY AN APPROVED OR CERTIFIED HAZARDOUS MATERIALS CONTRACTOR LICENSED IN THE APPROPRIATE STATE.

A COPY OF ALL CORRESPONDENCE PERTINENT TO THE REMOVAL OF HAZARDOUS MATERIALS SHALL BE TRANSMITTED TO OWNER AND A COPY SHALL BE AVAILABLE AT THE PROJECT OFFICE AND THE JOB SITE.

AERIAL NOTES

- AERIAL CONSTRUCTION TO BE PERFORMED TO INDUSTRY ACCEPTABLE STANDARDS.
- ALL HEIGHTS OF CABLE PLACEMENT WILL BE RECORDED AT TIME OF CONSTRUCTION. DOCUMENT ALL POINTS OF ATTACHMENT.
- ALL EXTENSION ARMS TO BE PLACED WILL BE EPOXY ARMS UNLESS OTHERWISE NOTED OR APPROVED BY THE INSPECTOR.
- BOND STRAND TO POWER MGN WHERE APPLICABLE. ANCHORS TO BE USED WILL BE 3/4 SCREW IN TYPE.
- ALL STRAPS WILL BE PLACED 4" BEFORE AND AFTER EVERY SUPPORTING CLAMP AT A MINIMUM OF 21" APART.
- P.O.A. = POINT OF ATTACHMENT.
- ADD MISSING GROUNDS.
- REPAIR/REPLACE EXISTING LASHING WIRE IF DAMAGED.

CONSTRUCTION STAKING

IN AREAS WHERE THE CONDUIT ALIGNMENT IS NOT CLEARLY DEFINED BY CURB LINES, FENCE LINES, OR OTHER EVIDENCE OF THE RIGHT-OF-WAY, THE ENGINEER WILL PROVIDE CENTERLINE STAKES OR PAINT MARKS WHERE REQUIRED TO MAKE THE PROPOSED CONDUIT ALIGNMENT EVIDENT.

MANHOLE CENTERS WILL BE FIELD STAKED BY THE ENGINEER WHEN REQUESTED WITH OFFSET STAKES AT RIGHT ANGLES (90°) TO THE CONDUIT ALIGNMENT.

CLOSURES IDENTIFIED IN THE PLANS SHALL BE LOCATED BY THE CONTRACTOR. DEVIATION FROM PLAN LAYOUT SHALL BE APPROVED BY THE ENGINEER PRIOR TO CONDUIT AND/OR CLOSURE INSTALLATION.

IF ADDITIONAL, FIELD STAKING OR LOCATION OF CONDUITS, MANHOLES, PROPERTY LINES, ETC., BECOMES NECESSARY, THE CONTRACTOR IS TO NOTIFY THE INSPECTOR OR THE ENGINEER TWO WORKING DAYS PRIOR TO BEGINNING THE WORK.

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SHEET TITLE:	GENERAL NOTES
PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_018_FDH_003
DESCRIPTION:	GEORGE CANAL
DRAWING NAME:	LE1_018_FDH_003 - LEHIGH ACRES_LEE COUNTY_FLORIDA - GEORGE CANAL
SHEET:	4 OF 12

PERMITS - FRANCHISES - EASEMENTS

PHYSICAL WORK SHALL NOT BE STARTED UNTIL THE GOVERNING AGENCY INSPECTOR AND THE CONTRACTOR ARE IN POSSESSION OF AND HAVE CAREFULLY REVIEWED AND FULLY UNDERSTAND ALL CONDITIONS AND SPECIFICATIONS SET FORTH IN THE REQUIRED PERMITS, FRANCHISES, AND/OR EASEMENTS.

PLACING FOREMAN TO HAVE A COPY OF THE PERMITS/EASEMENTS ON SITE AT ALL TIMES.

ANY CONFLICT BETWEEN WORK PRINT SPECIFICATIONS AND SPECIFICATIONS SET FORTH UNDER RELATED PERMITS, FRANCHISES, AND/OR EASEMENTS MUST BE CLEARED BY PROPER COMPANY AUTHORITY BEFORE PROGRESSING WITH WORK INVOLVED

TRAFFIC CONTROL

THIS PROJECT WILL INVOLVE WORKING ALONG A MAJOR ARTERIAL ROAD AND HEAVY TRAFFIC VOLUME SHOULD BE ANTICIPATED.

UNIFORM TRAFFIC FLOW SHALL BE MAINTAINED AT ALL TIMES. ONLY EQUIPMENT AND MATERIALS NECESSARY FOR IMMEDIATELY SCHEDULED OR IN PROGRESS WORK WILL BE MAINTAINED IN THE WORK AREA. ALL OTHER EQUIPMENT AND MATERIALS WILL BE "STORED OR STOCKPILED" IN SUCH A MANNER AS TO ELIMINATE HAZARDOUS CONDITIONS FOR TRAFFIC OR PEDESTRIANS DURING NON-WORKING OR SHUT DOWN PERIODS.

TRAFFIC WARNING DEVICES AND SIGNS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (U.S. GOVERNMENT PRINTING OFFICE) AND TO THE STATE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION. HIGH LEVEL WARNING TYPE DEVICES ARE TO BE USED AT ALL TIMES AND SPECIAL WARNING DEVICES MAY BE STIPULATED BY THE JURISDICTIONAL PERMIT AGENCY AT ANY TIME THE USE WILL ADD TO THE SAFETY AND PROTECTION OF TRAFFIC OR PEDESTRIANS IN THE CONSTRUCTION AREA.

ALL CONDUIT TRENCHING IN PAVED AREAS SHALL BE BACKFILLED WITH CRUSHED GRAVEL OR COMPLETELY COVERED AT THE COMPLETION OF EACH WORKING DAY. ANY BACKFILLED TRENCH SHALL BE CAPPED WITH A MINIMUM LAYER OF ASPHALTIC CONCRETE COLD PATCH AT THE END OF EACH WORKING DAY.

THE CONTRACTOR SHALL MARK THE CONDUIT TRENCH AND DEFINE HIS CONSTRUCTION AREA CLEARLY WITH BARRICADES, CONES, AND/OR OTHER VISIBLE METHODS THAT ALERT THE PUBLIC OF THE CONSTRUCTION ACTIVITY.

A TRAFFIC CONTROL PLAN SHALL BE PREPARED BY THE CONTRACTOR AS REQUIRED AND SUBMITTED TO EACH PERMITTING AGENCY REQUESTING SUCH PLAN FOR REVIEW AND APPROVAL OR REVISION PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITY FOR THIS PROJECT. THE APPROVED PLAN SHALL BE SUBMITTED TO THE AGENCY AND A COPY OF THE PLAN SHALL BE KEPT AT THE CONSTRUCTION SITE AND MUST BE READILY AVAILABLE REVIEW BY THE AGENCY REPRESENTATIVES.

SPECIAL UTILITY CLEARANCES

ALL WORK CONDUCTED ADJACENT TO WATER MAINS SHALL CONFORM TO THE FOLLOWING CONDITIONS:

A. WHEREVER POSSIBLE CONDUIT SHALL MAINTAIN A HORIZONTAL SEPARATION OF 3.0 FEET, MEASURED SURFACE TO SURFACE (OUTSIDE EDGE TO OUTSIDE EDGE), FROM PARALLEL WATER MAINS.

B. WHEREVER POSSIBLE, CONDUIT SHALL PASS UNDER EXISTING WATER MAINS AND MUST MAINTAIN 24" VERTICAL CLEAR SEPARATION. CONDUITS PASSING OVER WATER MAINS MUST ALSO MAINTAIN THE 24" VERTICAL SEPARATION.

C. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING THIS REQUIRED VERTICAL SEPARATION BY EITHER EXPOSING THE WATER MAIN EVERY 100 FEET IN THOSE AREAS WHERE HORIZONTAL SEPARATION IS LESS THAN 3.0 FEET OR BY UTILIZING THE DEPTHS OF ADJACENT WATER VALVES. IF THE CONTRACTOR UTILIZES THE ADJACENT WATER TO DETERMINE WATER MAIN DEPTH, HE SHALL CONTACT THE AGENCY AT EACH SUCH LOCATION AND THE AGENCY WILL DETERMINE THE NECESSARY DEPTH OF THE TOP OF THE CONDUIT AT THAT POINT.

D. THE VERTICAL AND HORIZONTAL SEPARATION SHALL BE MAINTAINED AT ALL TIMES UNLESS SPECIFICALLY REVISED BY AGREEMENT BETWEEN THE JURISDICTIONAL PERMIT AGENCY AND THE AGENCY ANY SPECIFIC DEVIATION IN VERTICAL AND HORIZONTAL SEPARATION FROM THOSE DESCRIBED SHALL BE REPORTED TO THE OWNER BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING VERTICAL AND HORIZONTAL SEPARATION AT ALL TIMES AND SHALL BE RESPONSIBLE FOR ANY AND ALL ENCROACHMENTS.

E. CLEARANCES TO STORM SEWERS AND SANITARY SEWERS SHALL BE EXACTLY THE SAME AS THOSE TO WATER MAINS.

STRUCTURE PROTECTION

MANHOLES AND CONDUIT TO BE PLACED ADJACENT TO EXISTING STRUCTURES SUCH AS BRIDGE BRIDGE FOOTINGS/PIERS, BUILDING FOUNDATIONS, WALLS, POWER AND TELEPHONE POLES, AND OTHER UTILITIES SHALL MAINTAIN A MINIMUM CLEARANCE AS SHOWN. THE CONTRACTOR SHALL NOT UNDERMINE ANY ADJACENT STRUCTURE WITHOUT SPECIFIC WRITTEN PERMISSION FROM THE OWNER/OPERATOR OF SUCH STRUCTURE.

SHORING USED AS FOUNDATION SUPPORT SHALL BE DESIGNED SPECIFICALLY FOR BOTH THE LIVE AND DEAD LOADS OF THE STRUCTURE, OR IF ONLY THE DEAD LOAD IS USED FOR DESIGN, THE CONTRACTOR SHALL PROVIDE A DETAILED LAYOUT AND PLAN OF THE METHOD OF ESTABLISHING AND MAINTAINING THE DESIGN LOAD CONDITIONS (I.E., ROAD DETOURS, TIEBACKS, ETC.).

SEE UTILITY CLEARANCE SECTION NOTES FOR CLEARANCE CRITERIA TO PARALLEL OR CROSS UTILITIES.

EXISTING UTILITIES EXPOSED DURING EXCAVATION SHALL BE 100% SUPPORTED BY EITHER TRENCH BRIDGING AND SUSPENSION OR BY THE USE OF LONGITUDINAL TRAYS OR PLATFORMS VERTICALLY SUPPORTED BY ADJUSTABLE BUILDING JACKS.

EXISTING SPLICE CASES AND CABLES SHALL BE SUPPORTED BY SUSPENSION FROM A CROSSING BEAM. SUPPORTS SHALL BE PLACED AT A MAXIMUM SPACING OF 4.0 FEET AND SHALL CONSIST OF A CANVAS SLING WITH NYLON BELTING OR ROPE. ALL CABLE SUPPORTS SHALL BE PLACED IN A MANNER THAN PREVENTS KINKS OR OTHER DAMAGE TO THE CABLE SHEATH.

AN ACCEPTABLE ALTERNATIVE TO CABLE SLINGS WOULD BE THE UTILIZATION OF A WIDE FLANGE "I" BEAM OR CHANNEL AS A "CABLE TRAY" WITH THE CABLES/CASES BANDED IN PLACE.

SHORING

THE CONTRACTOR SHALL PROVIDE SHORING FOR CONDUIT TRENCH EXCAVATION 42" OR MORE IN DEPTH AS MEASURED FROM THE HIGH SIDE OF THE TRENCH AND FOR ALL MANHOLE EXCAVATION.

MANHOLE SHORING SHALL BE TIGHT-SHEETED.

ALL SHORING SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF LOCAL COUNTY AND THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA).

SHORING SHALL BE DESIGNED TO MEET H-20 HIGHWAY LOADING.

THE CONTRACTOR SHALL PROVIDE ALL SHORING AND DESIGN CALCULATIONS TO THE PERMIT ISSUING AGENCY PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITY.

UTILITY NOTE:

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SOFT DIGS &/OR POTHOLING SHALL BE REQUIRED BY CONTRACTOR TO IDENTIFY EXISTING UTILITY DEPTHS.

MINIMUM 24" SEPARATION SHALL BE MAINTAINED FROM ALL EXISTING UTILITIES UNLESS SUPERVISED.

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SHEET TITLE:
GENERAL NOTES

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_018_FDH_003
DESCRIPTION:	GEORGE CANAL
DRAWING NAME:	LE1_018_FDH_003 - LEHIGH ACRES_LEE COUNTY_FLORIDA - GEORGE CANAL
SHEET:	5 OF 12

PROPOSED BORE
PIT 00+00

IFTH AVE

E 8TH ST

PROPOSED UTILITY
MARKER 00+95

GEORGE CANAL
47-21-1

DIRECTIONAL BORE:
- (2) 1.25" HDPE SDR 11 CONDUIT
- 320'
- MINIMUM DEPTH = 195.6" STA– 00+95 TO 02+25

PROPOSED UTILITY
MARKER 02+25

PROPOSED BORE
PIT 03+20

FIFTH AVE

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0 10' 20' 30' 40'
SCALE: 1"=40'

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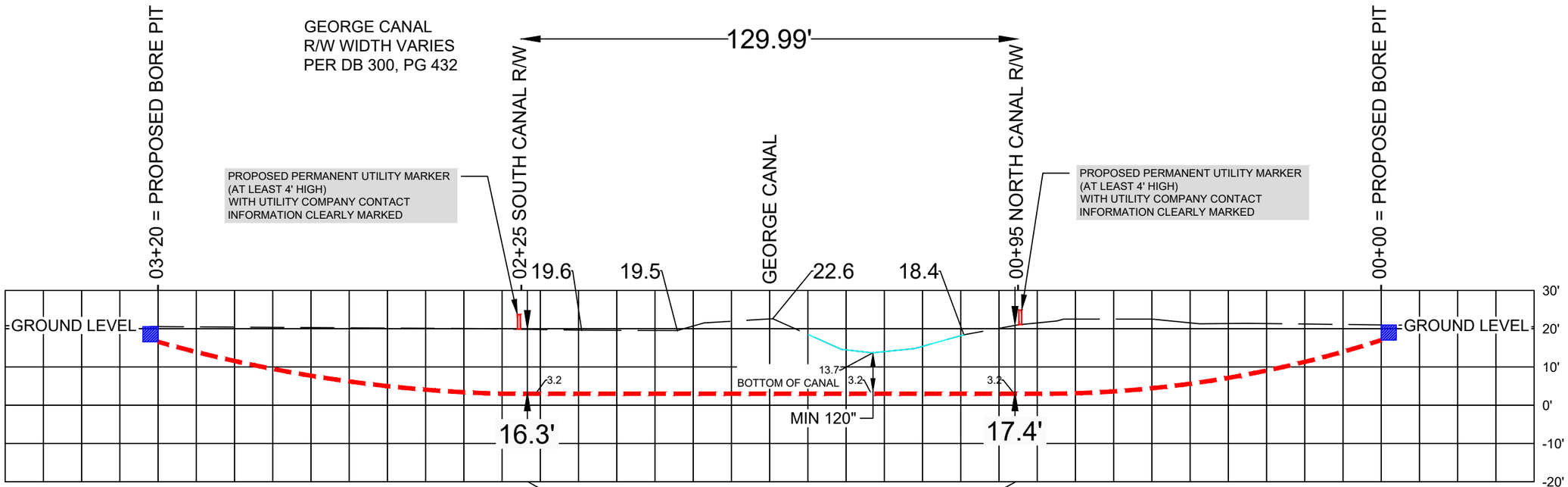
SHEET TITLE:
PROJECT SHEET

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_018_FDH_003
DESCRIPTION:	GEORGE CANAL
DRAWING NAME:	LE1_018_FDH_003 - LEHIGH ACRES_LEE COUNTY_FLORIDA - GEORGE CANAL
SHEET:	6 OF 12

SUB-GRADE VERTICAL PROFILE VIEW
GEORGE CANAL R/W
LOOKING WEST



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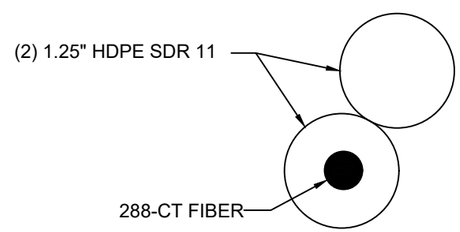
PIPE DETAIL



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SHEET TITLE:
PROFILE VIEW

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_018_FDH_003
DESCRIPTION:	GEORGE CANAL
DRAWING NAME:	LE1_018_FDH_003 - LEHIGH ACRES_LEE COUNTY_FLORIDA - GEORGE CANAL
SHEET:	7 OF 12



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REVISION DATA

NO.	DESCRIPTION	BY	DATE
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SHEET TITLE: IMAGES

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_018_FDH_003
DESCRIPTION:	GEORGE CANAL
DRAWING NAME:	LE1_018_FDH_003 - LEHIGH ACRES_LEE COUNTY_FLORIDA - GEORGE CANAL
SHEET:	8 OF 12

STREET LEVEL VIEW
STA 02+25
FACING WEST



PERMITTING AGENCY

LA - MSID

lumos

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LAS VEGAS, NV 89117

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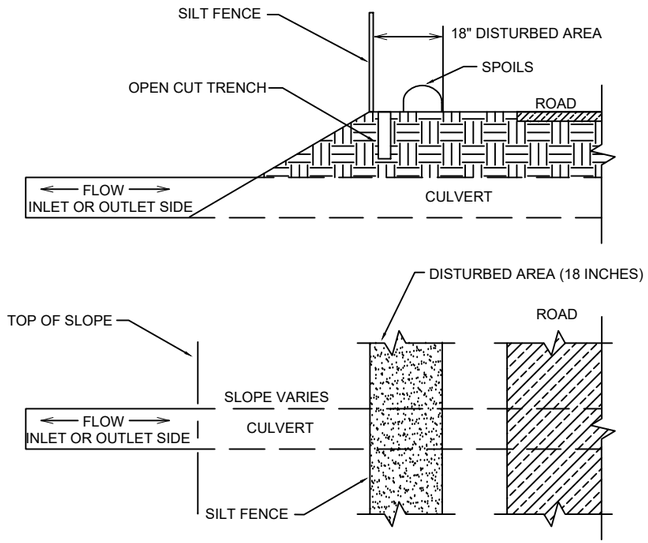
DESCRIPTION:	GEORGE CANAL
DRAWING NAME:	LE1_018_FDH_003 - LEHIGH ACRES_LEE COUNTY_FLORIDA - GEORGE CANAL
SHEET:	9 OF 12

TYPICALS

CULVERT CUT OVER ON ROADSIDE SHOULDER

NOT TO SCALE



GENERAL NOTES

1. INSTALL SILT FENCE TO PROTECT DOWNSTREAM AREAS FROM SEDIMENTATION PRIOR TO CONSTRUCTION.
2. INSTALL SILT FENCE AS NEEDED TO PROTECT DRAINAGE FEATURES, BUT NO LESS THAN 10' ON EITHER SIDE OF CULVERT.

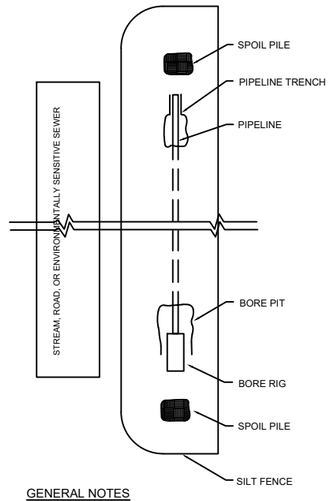
MAINTENANCE NOTES

INSPECT CULVERT CROSSING STRUCTURES WEEKLY AND AFTER EACH SIGNIFICANT RAINFALL EVENT (0.5" OR GREATER) TO SEE IF ANY EROSION AROUND OR BELOW THE SILT FENCE HAS OCCURRED, IMMEDIATELY MAKE ALL NEEDED REPAIRS TO PREVENT FURTHER DAMAGE.

*REF: 6.41.5 NC Erosion and Sediment Control Planning and Design Manual, 2006

DIRECTIONAL BORE DETAIL (PARALLEL)

NOT TO SCALE

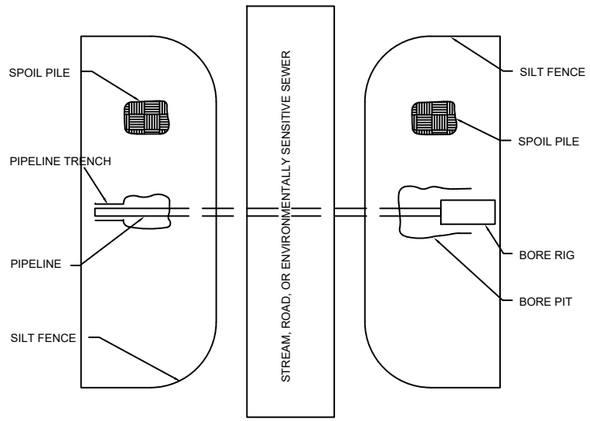


GENERAL NOTES

1. BORE PITS AND SPOILS PILES SHALL BE ENCLOSED ON THREE SIDES AS SHOWN WITH SILT FENCE

DIRECTIONAL BORE DETAIL (TRAVERSE)

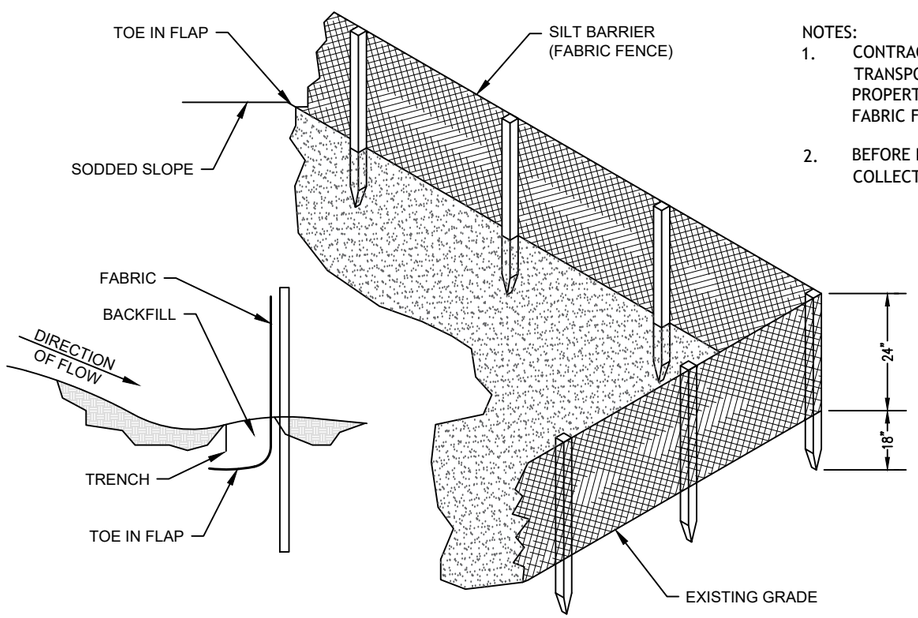
NOT TO SCALE



GENERAL NOTES

1. BORE PITS AND SPOILS PILES SHALL BE ENCLOSED ON THREE SIDES AS SHOWN WITH SILT FENCE

FABRIC FENCE SILT - BARRIER



NOTES:

1. CONTRACTOR IS REQUIRED TO PREVENT ANY SEDIMENT TRANSPORT FROM THE PROJECT SITE ON TO ADJACENT PROPERTY. INSTALLATION OF EITHER BALED HAY OR FABRIC FENCE TYPE SILT BARRIER IS ACCEPTABLE.
2. BEFORE REMOVING SILT BARRIER, CONTRACTOR SHALL COLLECT AND DISPOSE OF ANY ACCUMULATED SILT.

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LAS VEGAS, NV 89117

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PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_018_FDH_003
DESCRIPTION:	GEORGE CANAL
DRAWING NAME:	LE1_018_FDH_003 - LEHIGH ACRES_LEE COUNTY_FLORIDA - GEORGE CANAL
SHEET:	10 OF 12

TYPICALS

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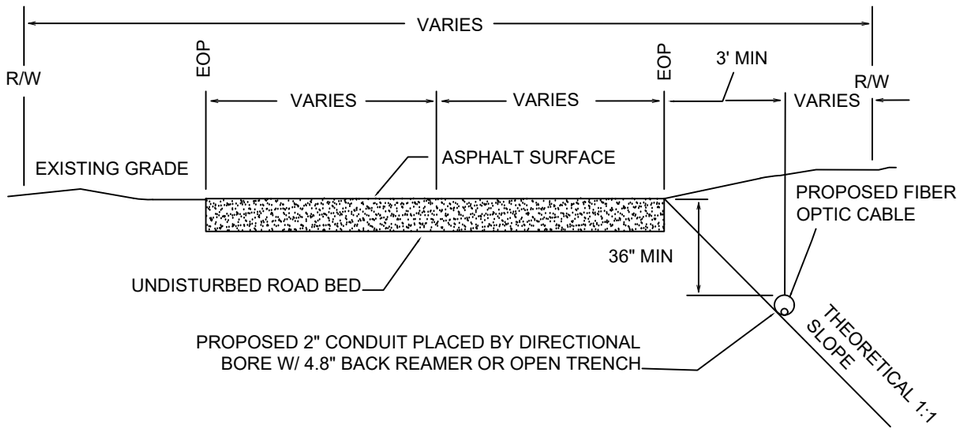
811 Know what's below. Call before you dig.

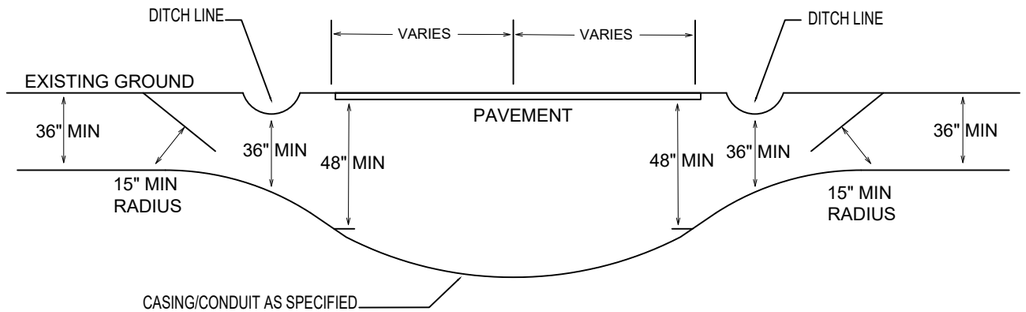
PARALLEL CONDUIT DETAIL FOR FDOT RIGHT-OF-WAY

NOT TO SCALE



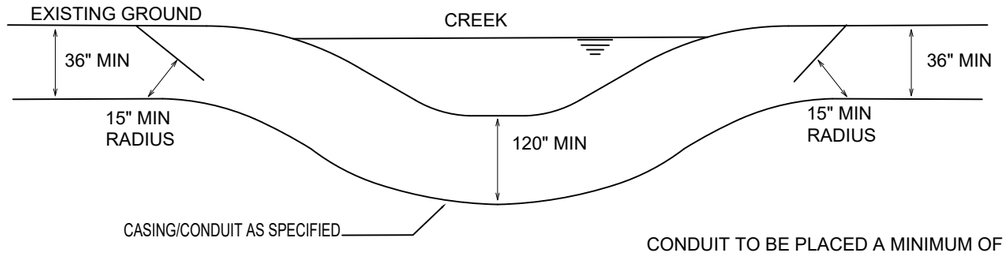
DIRECTIONAL BORE UNDER SECONDARY ROADWAY

NOT TO SCALE



DIRECTIONAL BORE UNDER CREEK BED

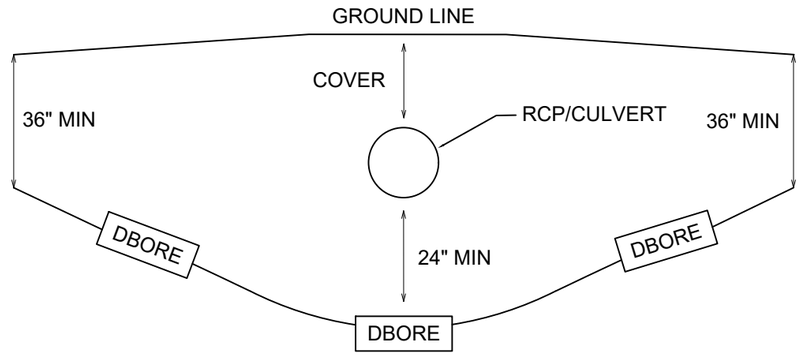
NOT TO SCALE



CONDUIT TO BE PLACED A MINIMUM OF 10 FEET BELOW CREEK BED

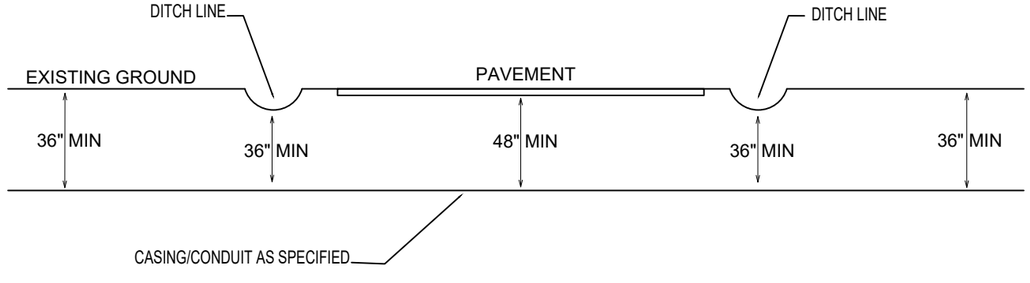
CULVERT CROSSING DETAIL

NOT TO SCALE



DRY BORE UNDER ROADWAY

NOT TO SCALE



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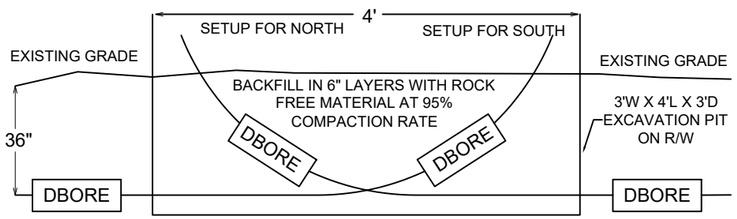
DRAWING NAME:	LE1_018_FDH_003 - LEHIGH ACRES_LEE COUNTY_FLORIDA - GEORGE CANAL
SHEET:	11 OF 12

TYPICALS

DIRECTIONAL BORE TIE-IN DETAIL

NOT TO SCALE

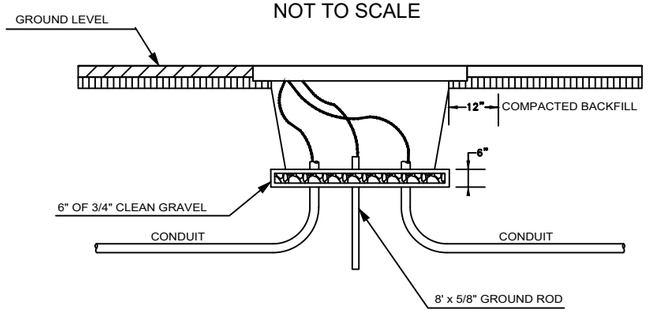


TIE-IN STATION

- BORE FROM EACH DIRECTION IS RUN AT DESIGN DEPTH TO 2 FEET PAST THE INTENDED TIE-IN. THEN TURNED UP TO DAYLIGHT.
- THE TIE-IN POINT IS EXCAVATED. THE CONDUITS CUT OFF WHERE THEY CROSS EACH OTHER AT DESIGN DEPTH, AND A COUPLER IS INSTALLED TO CONNECT THE TWO CONDUITS AT THE DESIGN DEPTH.
- ALL EXCAVATIONS OR TRENCHES 4 FEET OR GREATER IN DEPTH SHALL BE APPROPRIATELY BENCHED, SHORED, OR SLOPED IN OSHA'S EXCAVATION STANDARD, 29 CFR 1926.650, .651, AND .652

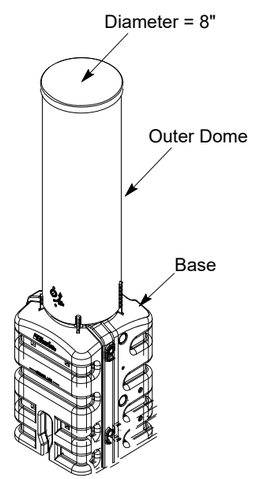
PULL BOX HANDHOLE

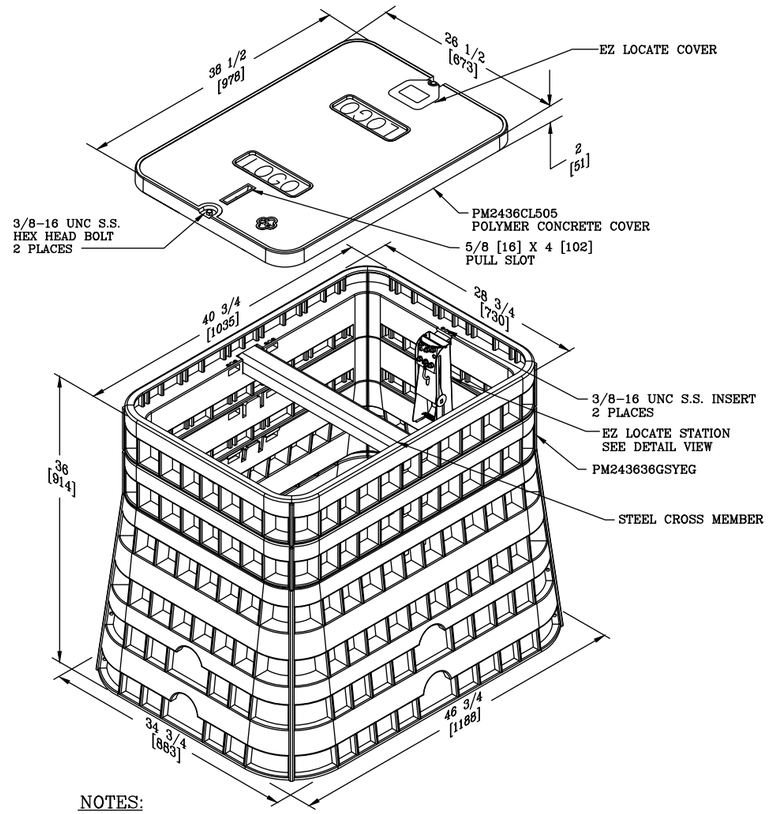
NOT TO SCALE



ALL EXCAVATIONS OR TRENCHES 4 FEET OR GREATER IN DEPTH SHALL BE APPROPRIATELY BENCHED, SHORED, OR SLOPED ACCORDING TO THE PROCEDURES AND REQUIREMENTS SET FORTH IN OSHA'S EXCAVATION STANDARD, 29 CFR 1926.650, .651, AND .652.

BDO204-EG

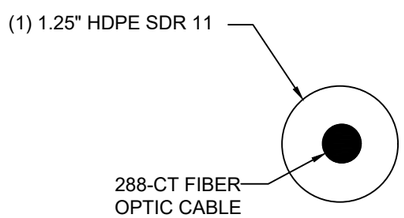




NOTES:

1. BOX MATERIAL TO BE HDPE PLASTIC, COVER MATERIAL TO BE POLYMER CONCRETE.
2. COLOR TO BE GREY.
3. THIS ASSEMBLY HAS A LOAD RATING OF 20,000 LBS. [88,960 N].

PIPE DETAIL



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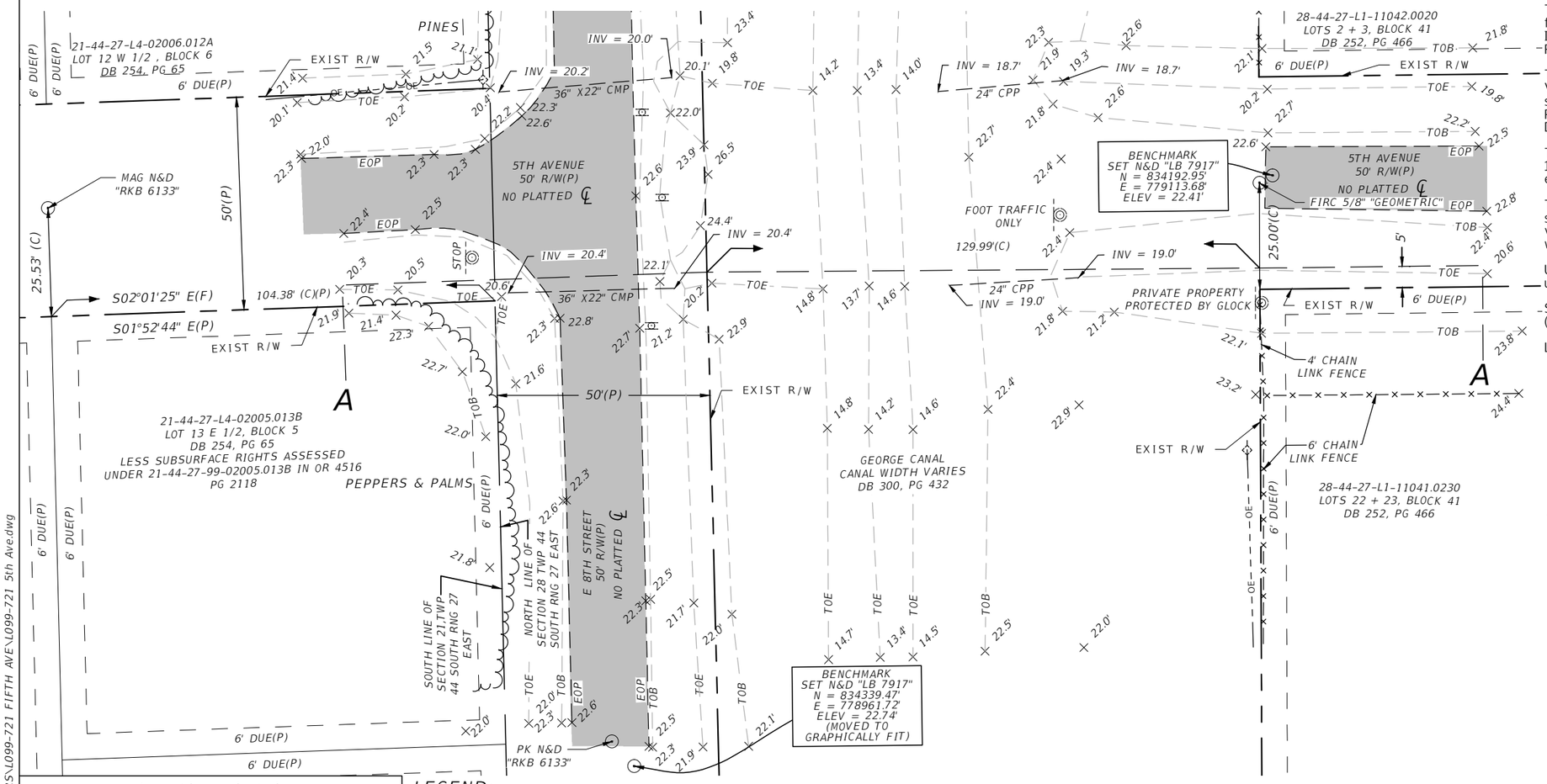
SHEET:	12 OF 12

Topographic Survey of a Subject Project Site

lying within

Section 21 & 28, Township 44 South, Range 27 East

Lehigh Acres, Lee County, Florida



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The subject site lies within Zone "X" per FEMA insurance rate map 125124 C0338F (Published 08/28/2008), therefore has no base flood elevation.

The FEMA flood zone information indicated hereon is based on the maps supplied by the Federal Government. This flood information must be verified with all permitting regulatory entities prior to commencing any work or application dependent on said flood information.

Underground improvements, utilities and/or foundations were not located unless otherwise noted. Wetlands, if any, were not located.

Subject to easements, restrictions, reservations, and rights-of-way (recorded and unrecorded, written and unwritten).

Last day of field work: 05/06/2026

Taylor Henninge 2026.05.13 09:33:17-04'00

TAYLOR J. HENNINGE
PROFESSIONAL SURVEYOR AND MAPPER
FLORIDA CERTIFICATE NO. LS# 7279

Not valid without the signature and the original seal of a Florida licensed surveyor and mapper.

This survey is only for the lands as described. It is not a certificate of title, zoning, easements or freedom of encumbrances.

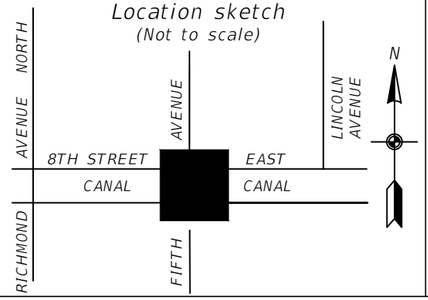
This survey was prepared without benefit of an abstract of title and all matters of title should be referred to an attorney at law.

This survey has been electronically signed and sealed by Taylor J. Henninge using a digital signature and date. Print copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

TAYLOR J. HENNINGE License Number 7279 STATE OF FLORIDA Professional Surveyor and Mapper

Location sketch

(Not to scale)



LEGEND:

(C)	= CALCULATED	INV	= INVERT ELEVATION
(F)	= FIELD MEASURED	N&D	= NAIL AND DISK
(P)	= PER PLAT	NAVD 88	= NORTH AMERICAN VERTICAL DATUM 1988
Δ	= DELTA ANGLE	OR	= OFFICIAL RECORDS BOOK
℄	= CENTER LINE	PB	= PLAT BOOK
CONC	= CONCRETE	PG	= PAGE
CMP	= CORRUGATED METAL PIPE	R/W	= RIGHT OF WAY
CPP	= CORRUGATED PLASTIC PIPE	RCP	= REINFORCED CONCRETE PIPE
DB	= DEED BOOK	RNG	= RANGE
DUE	= DRAINAGE AND UTILITY EASEMENT	S/W	= SIDEWALK
ELEV	= ELEVATION	SEC	= SECTION
EOP	= EDGE OF PAVEMENT	TOB	= TOP OF BANK
EXIST	= EXISTING	TOE	= TOE OF SLOPE
FIRC	= FOUND IRON ROD AND CAP	TWP	= TOWNSHIP
INST#	= INSTRUMENT NUMBER	(TYP)	= TYPICAL

= FOUND MONUMENT
OE = OVERHEAD UTILITY LINE
20.0' = SPOT ELEVATION
= WIRE PULL BOX
= SINGLE SUPPORT SIGN
= ELECTRICAL POLE
= DELINEATOR POST

Fifth Avenue, Lehigh Acres

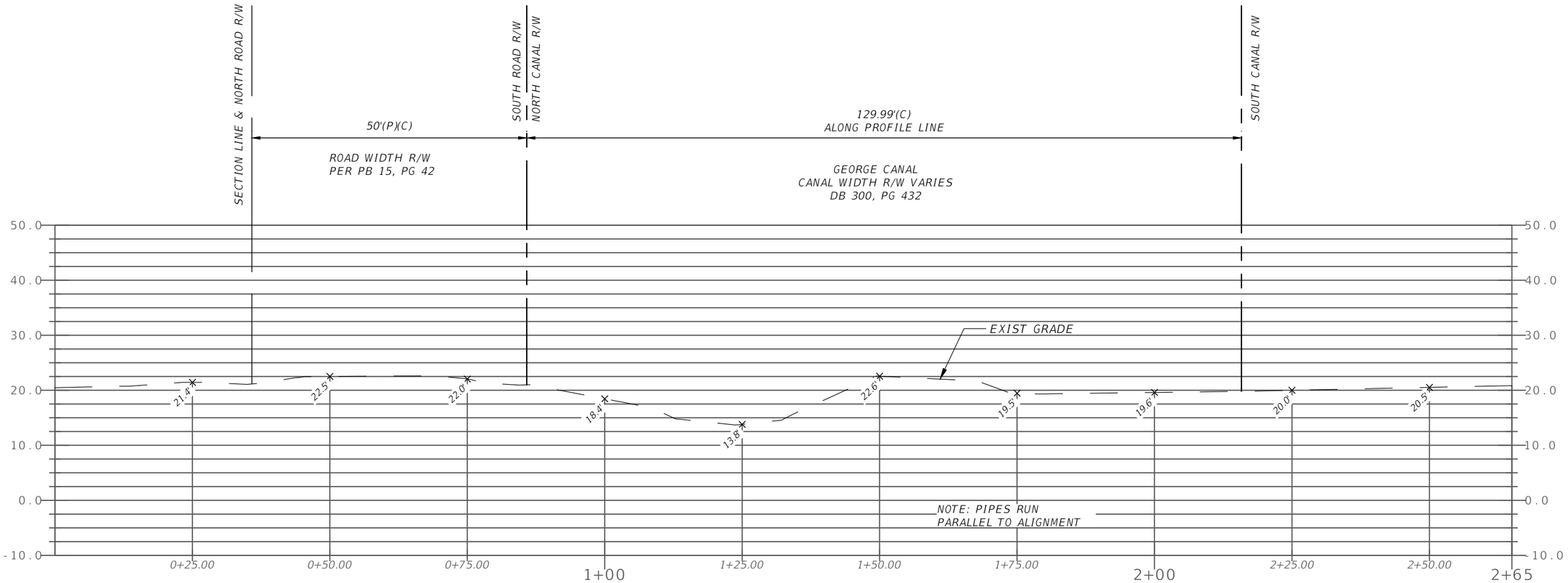
TOPOGRAPHIC SURVEY - PLAN VIEW

McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name: L099-721 5th Ave.dwg	Field book/page: 106981-1/60		Project No.: 106980001-L099
Survey date: 05/06/2026	Drawn by: KB	Checked by: TJH	Sheet No.: 01 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L099-721 FIFTH AVE\L099-721 5th Ave.dwg

Topographic Survey of a
Subject Project Site
Section 21 & 28, Township 44 South, Range 27 East
Lehigh Acres, Lee County, Florida



A-A Profile View
1" = 20' HORIZONTAL
1" = 20' VERTICAL

SEE SHEET 01 FOR LEGEND

Fifth Avenue, Lehigh Acres

TOPOGRAPHIC SURVEY-PROFILE VIEW

McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name:	Field book/page:	Project No.:
L099-721 5th Ave.dwg	106981-1/60	106980001-L099

Survey date:	Drawn by:	Checked by:	Sheet No.:
05/06/2026	KB	TJH	02 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L099-721 FIFTH AVE\L099-721 5th Ave.dwg

NOTE:

1. This Index applies to Two-Lane, Two-Way and Multilane Roadways, including Medians of divided roadways, with work on the shoulder.

2. L = Taper Length
   X = Work Zone Sign Spacing
   B = Buffer Length
   See Index 102-600 for "L", "X", "B", and channelizing device spacing values.

3. Where work activities are between 2' and 15' from the edge of traveled way, the Engineer may omit signs and channelizing devices for work operations 60 minutes or less.

4. When four or more work vehicles enter the through traffic lanes in a one hour period (excluding establishing and terminating the work area), use a flagger or lane closure to accommodate work vehicle ingress and egress.

5. For work less than 2' from the traveled way and work zone speed is greater than 45 MPH, use a lane closure.

6. The "Speeding Fines Doubled When Workers Present" signs (M0T-13-06) and "End Road Work" Signs (G20-2) along with the associated work zone sign spacing distances may be omitted when the work operation is in place for 24 hours or less.

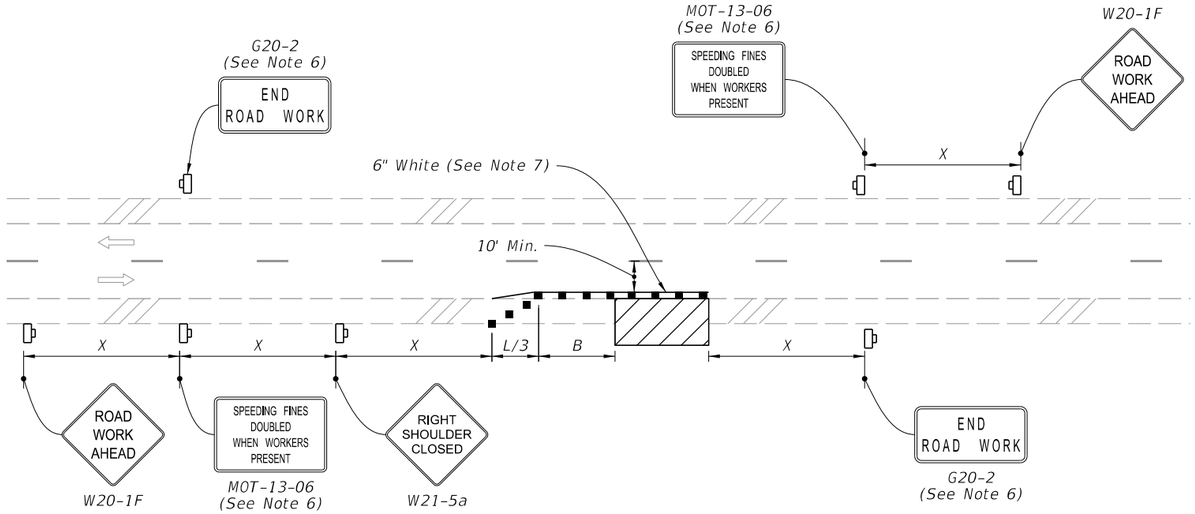
7. Temporary pavement markings may be omitted when the work operation is in place for 3 days or less.

8. Omit "Shoulder Closed" signs (W21-5a) along with associated work zone sign spacing distances for work on the median.

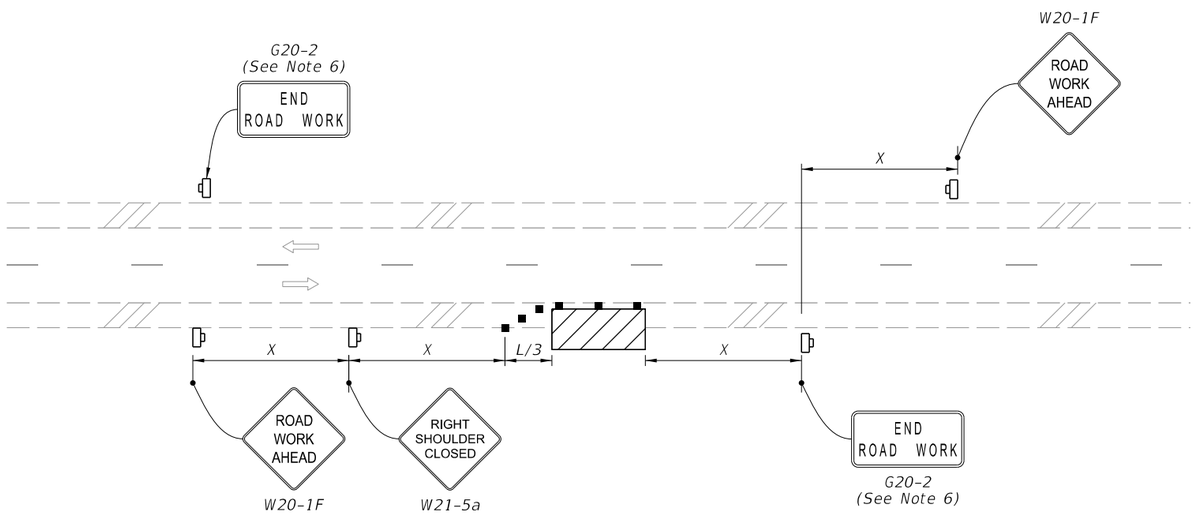
9. When there is no paved shoulder, the "Worker" sign (W21-1) may be used instead of the "Shoulder Closed" sign (W21-5a).

SYMBOLS:

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Lane Identification and Direction of Traffic



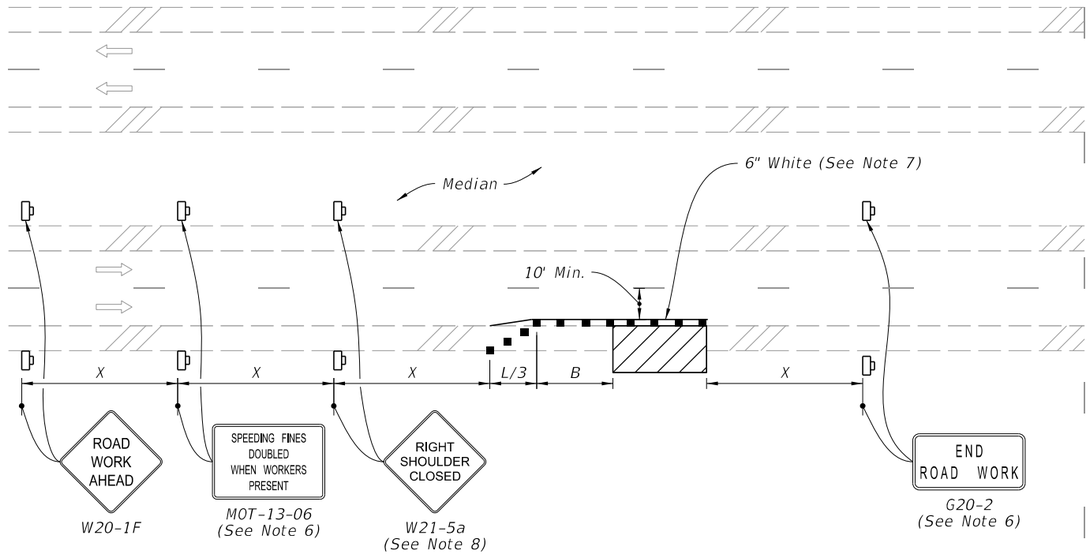
TWO-LANE ROADWAY
SHOULDER WORK LESS THAN 2' FROM THE TRAVELED WAY
WITH WORK ZONE SPEED OF 45 MPH OR LESS



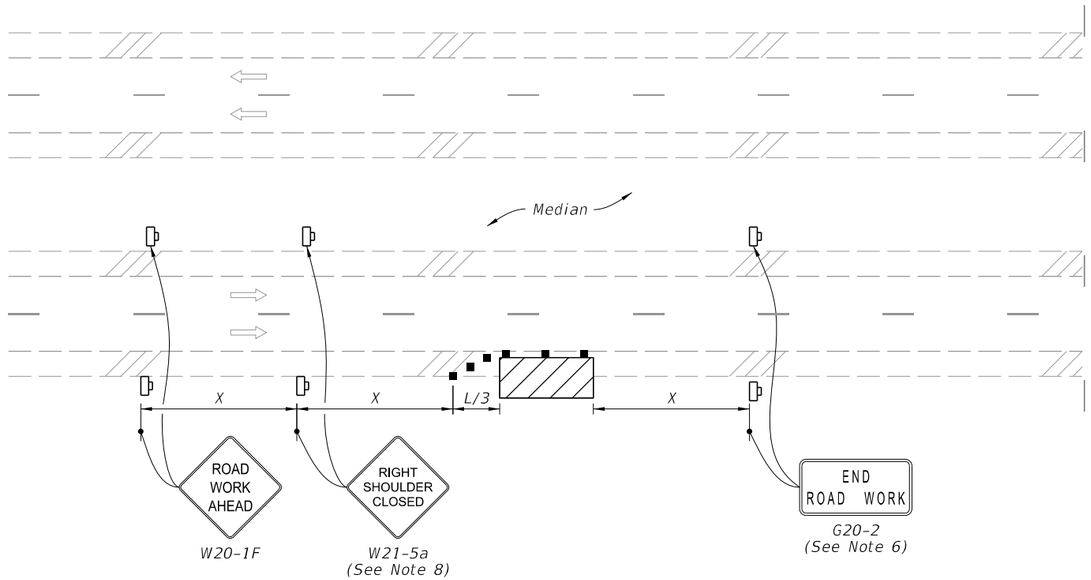
TWO-LANE ROADWAY
SHOULDER WORK BETWEEN 2' AND 15' FROM THE TRAVELED WAY

9/10/2024 10:45:37 AM

LAST REVISION	REVISION	DESCRIPTION:			INDEX	SHEET
11/01/21			FY 2025-26 STANDARD PLANS	TWO-LANE AND MULTILANE, WORK ON SHOULDER	102-602	1 of 2



MULTILANE ROADWAY
SHOULDER WORK LESS THAN 2' FROM THE TRAVELED WAY
WITH WORK ZONE SPEED OF 45 MPH OR LESS



SYMBOLS:

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Lane Identification and Direction of Traffic

MULTILANE ROADWAY
SHOULDER WORK BETWEEN 2' AND 15' FROM THE TRAVELED WAY

9/10/2024 10:45:44 AM

LAST REVISION	REVISION	DESCRIPTION:				
11/01/20			FDOT FY 2025-26 STANDARD PLANS	TWO-LANE AND MULTILANE, WORK ON SHOULDER	INDEX 102-602	SHEET 2 of 2

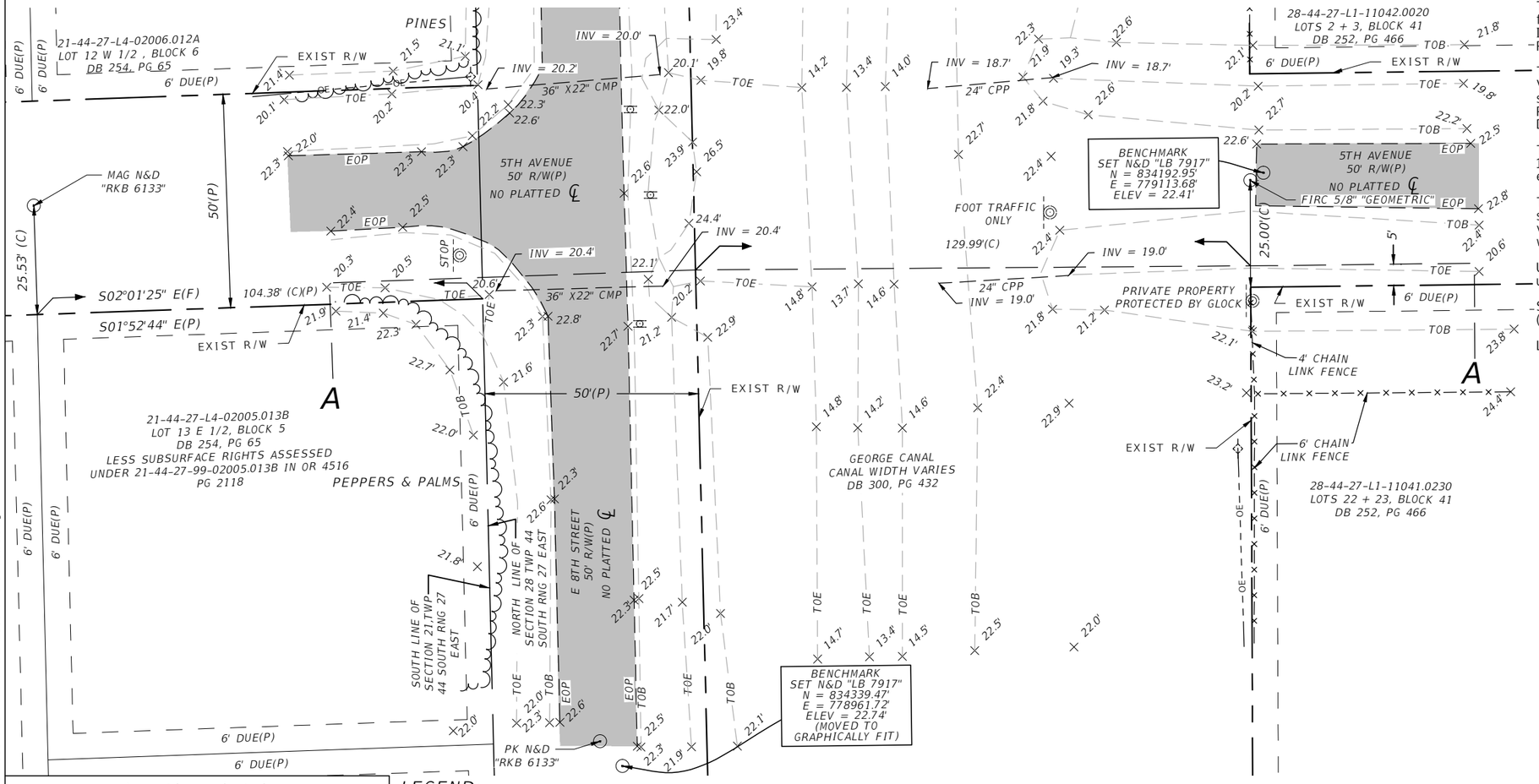
Topographic Survey of a Subject Project Site

lying within

Section 21 & 28, Township 44 South, Range 27 East

Lehigh Acres, Lee County, Florida

SEE SHEET 02 FOR 1" = 20'
SECTION A-A PROFILE VIEW



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The subject site lies within Zone "X" per FEMA insurance rate map 125124 C0338F (Published 08/28/2008), therefore has no base flood elevation.

The FEMA flood zone information indicated hereon is based on the maps supplied by the Federal Government. This flood information must be verified with all permitting regulatory entities prior to commencing any work or application dependent on said flood information.

Underground improvements, utilities and/or foundations were not located unless otherwise noted. Wetlands, if any, were not located.

Subject to easements, restrictions, reservations, and rights-of-way (recorded and unrecorded, written and unwritten).

Last day of field work: 05/06/2026

TAYLOR J. HENNINGE
License Number
7279
STATE OF FLORIDA
Professional Surveyor and Mapper

TAYLOR J. HENNINGE
PROFESSIONAL SURVEYOR AND MAPPER
FLORIDA CERTIFICATE NO. LS# 7279

Not valid without the signature and the original seal of a Florida licensed surveyor and mapper.

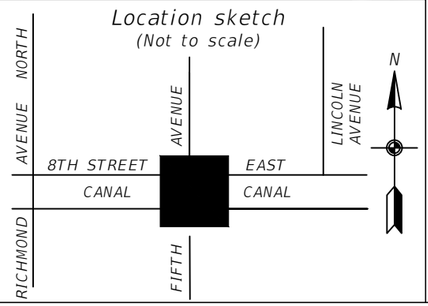
This survey is only for the lands as described. It is not a certificate of title, zoning, easements or freedom of encumbrances.

This survey was prepared without benefit of an abstract of title and all matters of title should be referred to an attorney at law.

This survey has been electronically signed and sealed by Taylor J. Henninge using a digital signature and date. Print copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Fifth Avenue, Lehigh Acres

Location sketch
(Not to scale)



LEGEND:

(C)	= CALCULATED	INV	= INVERT ELEVATION
(F)	= FIELD MEASURED	N&D	= NAIL AND DISK
(P)	= PER PLAT	NAVD 88	= NORTH AMERICAN VERTICAL DATUM 1988
Δ	= DELTA ANGLE	OR	= OFFICIAL RECORDS BOOK
℄	= CENTER LINE	PB	= PLAT BOOK
CONC	= CONCRETE	PG	= PAGE
CMP	= CORRUGATED METAL PIPE	R/W	= RIGHT OF WAY
CPP	= CORRUGATED PLASTIC PIPE	RCP	= REINFORCED CONCRETE PIPE
DB	= DEED BOOK	RNG	= RANGE
DUE	= DRAINAGE AND UTILITY EASEMENT	S/W	= SIDEWALK
ELEV	= ELEVATION	SEC	= SECTION
EOP	= EDGE OF PAVEMENT	TOB	= TOP OF BANK
EXIST	= EXISTING	TOE	= TOE OF SLOPE
FIRC	= FOUND IRON ROD AND CAP	TWP	= TOWNSHIP
INST#	= INSTRUMENT NUMBER	(TYP)	= TYPICAL

⊙	= FOUND MONUMENT
OE	= OVERHEAD UTILITY LINE
20.0'	= SPOT ELEVATION
	= WIRE PULL BOX
	= SINGLE SUPPORT SIGN
	= ELECTRICAL POLE
	= DELINEATOR POST

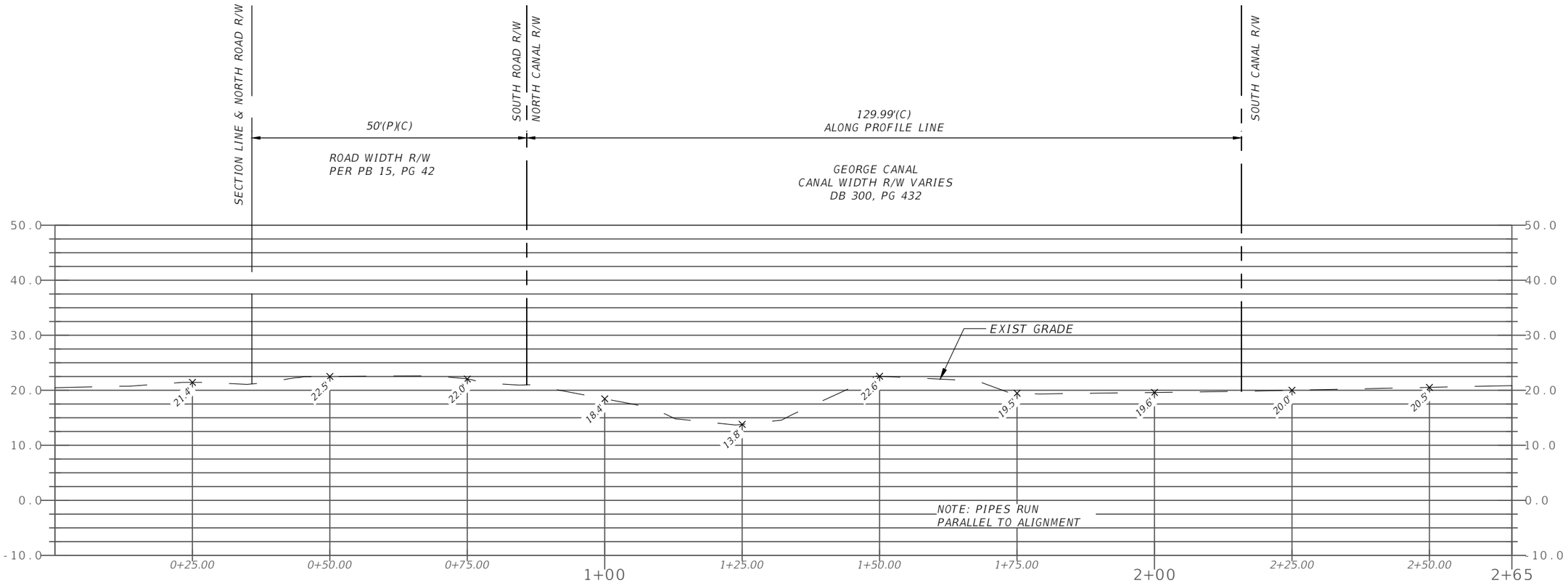
TOPOGRAPHIC SURVEY - PLAN VIEW

McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name: L099-721 5th Ave.dwg	Field book/page: 106981-1/60		Project No.: 106980001-L099
Survey date: 05/06/2026	Drawn by: KB	Checked by: TJH	Sheet No.: 01 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L099-721 FIFTH AVE\L099-721 5th Ave.dwg

Topographic Survey of a
Subject Project Site
Section 21 & 28, Township 44 South, Range 27 East
Lehigh Acres, Lee County, Florida



A-A Profile View
1" = 20' HORIZONTAL
1" = 20' VERTICAL

SEE SHEET 01 FOR LEGEND

Fifth Avenue, Lehigh Acres

TOPOGRAPHIC SURVEY-PROFILE VIEW

McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name:	Field book/page:	Project No.:
L099-721 5th Ave.dwg	106981-1/60	106980001-L099

Survey date:	Drawn by:	Checked by:	Sheet No.:
05/06/2026	KB	TJH	02 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L099-721 FIFTH AVE\L099-721 5th Ave.dwg

PART IV #26-95

Recommended Action

Engineering Review:

By: _____6/17/2026 **Approved _X_ Denied __**

District Field Review:

By: _____ **Approved ___ Denied ___**

District Manager: _____ **Date**: _____

Comments:

The referenced permit application submitted by Lumos Fiber of Florida, LLC for a subaqueous crossing George Canal (47-21-1) at 721 5th Ave., in Lehigh Acres, has been reviewed and is recommended for approval with the following stipulations:

1. On sheet 7 of the plans, please remove or modify dimensions of 16.3' and 17.4', as well as make the bore elevations (3.2') more noticeable to avoid construction site mistakes.

2. On sheet 7 of the site plans, minimum 10' offset from canal bottom, Disturbed R/W sodding requirements, and 48" minimum bore offsets from pavement notes are missing, please revise.

3. On sheet 11 of the plans, the culvert crossing detail specifies 24" minimum offset from culvert, if the detail is depicting a canal crossing, the offset should be 120" or 10'. If not, please include a note to clarify that the details do not apply to LA-MSID canal crossing.

4. Permanent above-ground cable markers must be placed at the canal right-of-way (R/W) line on each side of the crossing.

5. Any disturbed canal R/W must be restored with sod and maintained until fully established. Seeding will not be permitted.

6. Within 30 days of completing the improvements, provide LA-MSID with a copy of the survey record drawings indicating the location and elevation of utilities within the canal R/W.

7. The permittee will be responsible for any necessary repairs, alterations, or relocation of the utility if required for future maintenance or repairs of the canal.

8. Lee County DOT must review and approve any utility work proposed within the County Road R/W.

LEHIGH ACRES - MUNICIPAL SERVICES IMPROVEMENT DISTRICT PERMIT

THIS PERMIT is granted this 20th day of July, 2026, by Lehigh Acres Municipal Services Improvement District (hereinafter referred to as "DISTRICT"), 601 East County Lane, Lehigh Acres, Florida 33936, to Lumos Fiber of Florida, LLC, 4100 Mendenhall Oaks Parkway, Suite 300, High Point, NC 27265, hereinafter referred to as the "Permittee") as a non-exclusive permit for a directional bore under W. Baker Canal (47-18-2), along the west side of Williams Ave., between W. 13th St. & W. 12th St., in Lehigh Acres, FL.

W I T N E S S E T H:

1. In the event the DISTRICT is not the fee title owner of the real property (the "Property") to which this Permit is applicable, the Permittee agrees, prior to commencement, to obtain all necessary consents from the fee title owners of the Property.

2. This Permit does not constitute a waiver of the necessity by the Permittee to obtain such other necessary and appropriate permits required by other governmental bodies or agencies; therefore the Permittee, prior to commencement, is required to obtain any and all other applicable federal, state, and local permits required in connection with Permittee's use of the Property and agrees that at all times it will comply with the requirements of all federal, state and local laws, ordinances, rules and regulations applicable or pertaining to the use of the Property by the Permittee.

3. Permittee understands and agrees that the use of the Property pursuant to this Permit is subordinate to the rights and interests of the DISTRICT and to the extent applicable that of the fee title owner of the Property. Further, Permittee does hereby stipulate that the Permittee is not relying upon any representations whatsoever by the DISTRICT regarding the DISTRICT'S right, title, interest, or ownership as to the Property for which this Permit is applicable.

4. The Permittee, by accepting this permit, specifically agrees to allow authorized District Personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:
    a. Having access to and copying any records that must be kept under the conditions of the permit:
    b. Reviewing the facility, equipment, practices, or operations regulated or required under this permit; and
    c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or District rules.

5. The DISTRICT specifically reserves the right to maintain its facilities located over, under or upon the Property; to make improvements; add additional facilities; maintain, construct or alter its roads; maintain any facilities, devices, or improvements on the Property which aid in or are necessary to the DISTRICT'S operation; and the right to enter upon the Property at all times for such purposes. Permittee understands that in the exercise of such rights and interest, the DISTRICT may require Permittee, at no cost to DISTRICT, to relocate, alter, or remove the Permittee's facilities and equipment or other improvements made by Permittee pursuant to this Permit which interfere with or prevent the DISTRICT, in the DISTRICT'S opinion, from properly and faithfully constructing, improving and maintaining its facilities. If the Permittee should fail to relocate, alter, or remove the Permittee's facilities, equipment or other improvements made by the Permittee pursuant to this Permit within a reasonable time period following receipt of notice from the DISTRICT requesting same, then in that event the DISTRICT shall have the right to enter upon the lands and make such relocation, alterations or removal of the Permittee's facilities, equipment/or other improvements at no cost to DISTRICT.

6. Permittee agrees that it will not use the Property in any manner which interferes with the DISTRICT'S

use of the Property or causes a hazardous condition to exist.

7. The DISTRICT assumes no responsibility for the ownership, operation and/or maintenance of the Permittee's facilities as permitted herein.

8. The Permittee agrees to backfill any excavation it makes within the Property and to repair or replace (i) any below-grade authorized facilities and features located therein, including but not limited to: water, sewer, stormwater or irrigation facilities, structures or appurtenances and (ii) as to at or above-grade facilities and features, this requirement shall only be applicable to grasses and sod, sidewalks, and roadway improvements (the term roadway improvements shall include but not be limited to curbing, roadway base, sub grade and asphaltic or concrete surfaces) which are removed or damaged as a direct result of said excavation. Such repair or replacement shall substantially restore these features to their condition as it existed immediately prior to the event precipitating the excavation.

9. All below-grade Permittee installations, including water and sewer lines, whether sub aqueous or not, together with appurtenant facilities, shall be located underground and have a minimum ground cover of thirty inches (30") below original design profile grade, including District waterways and roadways.

10. All Permittee activity related to sub aqueous utility, water and/or sewer lines, including appurtenant facilities, shall be conducted in such fashion that the primary functional purpose of the canal or lake body facility, specifically flood control, within which the activity is taking place is not adversely affected. More specifically, sub aqueous construction shall conform to the criteria given in the Lehigh Acres Municipal Services Improvement District (Lehigh Acres – MSID) Administrative Policy and Procedures.

11. Permittee shall, at no expense to DISTRICT and within a reasonable time following notice, adjust the positions and elevations of its facilities as may be required in connection with future improvements to, or construction of, works of the DISTRICT.

12. Permittee does hereby indemnify and hold harmless the DISTRICT, its Board of Commissioners, officers, personnel, and it's Engineers against any claims, losses, damages (including consequential), expenses, or legal fees that might arise out or result from the implementation of the proposed project by the Permittee or that may be caused by a failure of DISTRICT facilities or property.

13. The Permittee shall be obligated at the time of submission of its Permit application, to provide a detail of any other existing improvements located over, under, upon or through the Property and the Permittee's accompanying plans and specifications shall clearly indicate how the Permittee will comply with required clearances between the requested permitted activity and existing improvements located over, under and upon the Property, including compliance with other permitted users duly adopted and published standards.

14. Permittee shall reimburse the DISTRICT for its legal, engineering and other expenses incurred as a result of the implementation of the proposed project.

15. If Permittee should violate any of the terms or conditions of the Permit and shall not correct or remedy same within ten (10) days of receiving written notice of said violation from the DISTRICT, then in that event, the DISTRICT may, at its option, revoke, cancel and terminate this Permit.

16. This Permit may not be assigned by the Permittee without the prior written approval of the DISTRICT.

17. Unless otherwise adjusted, modified or terminated as set forth hereinabove, including the Conditions attached hereto, this Permit shall continue in full force and effect so long as Permittee complies with the

terms of this Permit.

18. In any litigation, including breach, enforcement or interpretation arising out of this Permit, the prevailing party to this Permit shall be entitled to recover reasonable attorney's fees, costs and expenses related to said action from the non-prevailing party.

19. That attached hereto are Supplemental Conditions to this Permit which are incorporated herein and made a part hereof.

LEHIGH ACRES – MUNICIPAL SERVICES IMPROVEMENT DISTRICT

BY: _____

NAME TYPED: David E. Lindsay

TITLE: District Manager

SUPPLEMENTAL CONDITIONS TO PERMIT NO. 26-96

A. GENERAL CONDITIONS

1. Notification shall be given by the Permittee to the District Engineer, AIM Engineering, at 239-332-4569 forty-eight (48) hours prior to commencement of the permitted activity. The District Engineer shall establish points of construction, if applicable, which will require inspection by the District Engineer prior to construction of the permitted activity. When the Permittee considers the permitted activity complete, the Permittee shall notify the District Engineer and schedule an on-site final inspection which shall be held in the presence of a representative of the Permittee and the District Engineer.

2. The permitted activity shall be implemented, constructed and/or installed in full accordance with the approved plans and specifications within six (6) full calendar years from the date of permit approval. Deviations from the approved plans or specifications shall be coordinated with and approved by the District Engineer prior to implementation of any such deviation.

3. When working in a District road right-of-way, not more than one-half (½) of the road or street shall be closed and traffic shall be controlled so as to provide for the safety and minimum hindrance to the public. All traffic control operations shall conform to the most current issue of the Florida Department of Transportation publication "Manual on Traffic Controls and safe Practices for Street and Highway Construction, Maintenance and Utility Operations."

4. The District Engineer shall be the final authority as to the quality and quantity of the material and works required to satisfy the terms and conditions of this Permit as they relate to District improvements and facilities.

5. Upon completion of the permitted activity and after its final review and acceptance by the District Engineer THE PERMITTEE SHALL DELIVER TO THE DISTRICT OFFICE ONE COMPLETE SET OF THE FINAL "RECORD DRAWINGS." FAILURE TO PROVIDE THE FINAL RECORD DRAWINGS MAY RESULT IN THE REVOCATION, CANCELLATION AND TERMINATION OF THIS PERMIT.

6. The above Conditions shall be continuing obligations of the Permittee and shall be complied with in the event of any subsequent maintenance, repair, replacement or modification of the permitted improvement.

Stipulations:

1). Permit #26-96 is approved according to the plans submitted May 28th, 2026.

2). The proposed directional bore must maintain a minimum clearance of 10 feet below the bottom elevation of the canal for the entire 151.3' within the canal right of way.

3). Permanent utility markers, (at least 4' high) with the utility companies contact information clearly labeled on it, must be installed at each canal right of way line over top the proposed line.

4). All guy wires, poles, pull boxes, etc. must be located outside of the canal right of way and not interfere with the District's canal maintenance activities.

5). All canal R/W that is disturbed must be restored with sod and maintained until well established (no seeding will be allowed).

6). Boring contractor is not allowed to pump water out of the LAMSID canals for their boring operations unless they apply for and receive a water use permit from LAMSID.

7). The Permittee will be responsible for any repairs, alterations, or relocation of the utility if required for repairs or maintenance of the canal in the future.

8). Provide LAMSID with a copy of your record drawings and a copy of your bore depth logs showing where your utilities are located within the canal R/W and at what elevation they are located, within 30 days following completion of the improvements.

9). Lee County DOT must review and approve the utility work that is outside of the canal right of way along Williams Ave.

05 - 08 - 26
26 - 96

APPLICATION FOR A PERMIT

*Note: The review of permit applications will be conducted per the Lehigh Acres Municipal Services Improvement District's Administrative Policy and Procedures

AGENT NAME: WILLIAM KIEFER **PHONE #:** (515) 306 - 3403

PROJECT NAME: 1200 WILLIAMS AVE - WEST BAKER CANAL 47-18-2

TOTAL ACREAGE: N/A

Property Address (STRAP associated with this address will be used as the primary STRAP for this project): 1200 WILLIAMS AVE					
Mailing Address:	N/A				
City:	LEHIGH ACRES	**State:**	FLORIDA	**Zip:**	33972

STRAP NUMBERS (*attach additional sheet if necessary*):

17 - 44 - 27 - L4 - 01001 - 0120

Brief description of proposed project:

Application for: DIRECTIONAL BORE 2x1.25" HDPE SDR 11 CONDUIT 151.3' IN THE LAMSID ROW OF WEST BAKER CANAL (47-18-2) ALONG WILLIAMS AVE

RECEIVED
JUN 18 2026
LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

Is the project proposed to be developed in phases? ☐ Yes ☑ No

Estimated # of Phases:	1
***Permit Fee:**	$3019.5 **(to be verified by staff)**

* See Administrative Policy and Procedures Sections 4.15 – 4.17 for current Permit Fee Amount.

PART II

OWNER/APPLICANT/ DEVELOPER INFORMATION

A.

Name of Applicant	LUMOS FIBER OF FLORIDA, LLC				
Mailing Address:	**Street:**	4100 MENDENHALL OAKS PKWY, SUITE 300			
City:	HIGH POINT	**State:**	NORTH CAROLINA	**Zip:**	27265
Phone No.	**Area Code:** 515	**Number:**	306 - 3403	**Ext.**	
Fax No.	**Area Code:**	**Number:**	-		
E-mail Address:	WILLIAM.KIEFER@LUMOSFIBER.COM				

B. **Relationship of applicant to property*:**
Owner* ☐ **Trustee*** ☐ **Option holder*** ☐ **Lessee*** ☐

Contract Purchaser* ☐ **Other (indicate)*** ☑ UTILITY

C.

Name of Developer:	MILENIUM DIRECTIONAL DRILLING, INC				
Mailing Address:	**Street:**	5395 COGSWELL DR			
WAYNE	**State:**	MI	**Zip:**	48184	
Area Code:	(313)	**Number:**	326 - 2333	**Ext.**	
Fax No.	**Area Code:** ( )	**Number:**	-		
E-mail Address:	FELECAND@MILENIUMBORS.COM				

D.

Name of Authorized Agent(s):	CENTILLION SOLUTIONS				
Mailing Address:	Street:	6030 BETHELVIEW RD, SUITE 301			
City:	CUMMING	State:	GEORGIA	Zip:	30040
Phone No.	Area Code: (480)	Number:	442 - 0562	Ext.	
Fax No.	Area Code: ( )	Number:	-		
E-mail Address:	KYLE.PARKEY@CENTILLIONSOLUTIONS.COM				

E.

Name of Property owner:	N/A				
Mailing Address:	Street:				
City:		State:		Zip:	
Phone No.	Area Code: ( )	Number:	-	Ext.	
Fax No.	Area Code: ( )	Number:	-		
E-mail Address:					

*A disclosure of the name of all persons or entities having an ownership interest in the property is required (attached).

PART III

DISCLOSURE OF OWNERSHIP INTEREST FORM FORM:

PRIMARY STRAP NUMBER:

1. If the property is owned in the fee simple by an **INDIVIDUAL**, tenancy by the entirety, tenancy in common, or joint tenancy, list all parties with an ownership interest as well as the percentage of such interest.

Name and Address	Percentage of Ownership

2. If the property is owned by a **CORPORATION**, list the officers and stockholders and the percentage of stock owned by each.

Name, Address, Office	Percentage of Stock

3. If the property is in the name of a **TRUSTEE**, list the beneficiaries of the trust with percentages of interest.

Name and Address	Percentage of Interest

4. If the property is in the name of a **GENERAL PARTNERSHIP OR LIMITED PARTNERSHIP**, list the names of general and limited partners.

Name and Address	Percentage of Interest

5. If there is a **CONTACT FOR PURCHASE**, whether contingent on this application Or not, and whether a Corporation, Trustee, or Partnership, list the names of the contract purchasers below, including the officers, stockholders, beneficiaries, or partners.

Name and Address	Percentage of Interest

Date of Contract (mm/dd/yy): / /

6. If any contingency clause or contract terms involve additional parties, list all individuals or officers, if a corporation, partnership, or trust.

Name and Address	Percentage of Interest

For any changes of ownership of changes in contracts for purchase subsequent to the date of the application, but prior to the date of final certificate for compliance, a supplemental disclosure of interest must be filed.

The above is a full disclosure of all parties of interest in this application, to the best of my knowledge and belief.

William Kiefer
SIGNATURE OF APPLICANT

WILLIAM KIEFER
PRINTED OR TYPED NAME OF APPLICANT

STATE OF FLORIDA
COUNTY OF LEE

The foregoing instrument was acknowledged before me this 17th day of June (m), 2026 (y), by William Kiefer who is personally know to me or has produced _____ as identification.

Shandie N Bradshaw
SIGNATURE OF NOTARY PUBLIC

Shandie N Bradshaw
PRINTED NAME OF NOTARY PUBL

SHANDIE NICOLE BRADSHAW NOTARY PUBLIC REG. #7132142 MY COMMISSION EXPIRES August 31, 2026 COMMONWEALTH OF VIRGINIA

PART IV

EXPLANATION

All Permit Application sections must be completed and submitted.

Permit Application fees and submittal items (see Part VI) must be submitted with the application.

Any and all work involving the lands and/or facilities of the District shall not commence without a Board approved permit.

All set policies, procedures, technical requirements, and fee schedules can be found and reviewed in the 'Administrative Policy and Procedures Guide'. The Guide is available at the District Office located at 601 East County Lane, Lehigh Acres, FL or online at la-msid.com/.

PART V

PROFESSIONAL CONSULTANT FORM

ATTORNEY

Name:							
Mailing Address:							
City:		**State:**				**Zip:**	
Business No.	**Area Code:**	( )	**Number:**	-		**Ext.**	
Other Contact:							

ENGINEER

Name:	MCKIM & CREED						
Mailing Address:	5701 DIVISION DR, STE A						
City:	FORT MYERS	**State:**		FLORIDA		**Zip:**	33905
Business No.	**Area Code:**	(239)	**Number:**	980 - 3384		**Ext.**	
Other Contact:							

OTHER REPRESENTATIVE/PROFESSIONAL

Name:	BLAIR CONSULTING SERVICES, INC						
Mailing Address:	1428 SUNBLUSH LN						
City:	LAS VEGAS	**State:**		NV		**Zip:**	89117
Business No.	**Area Code:**	(813)	**Number:**	579 - 0128		**Ext.**	
Other Contact:							

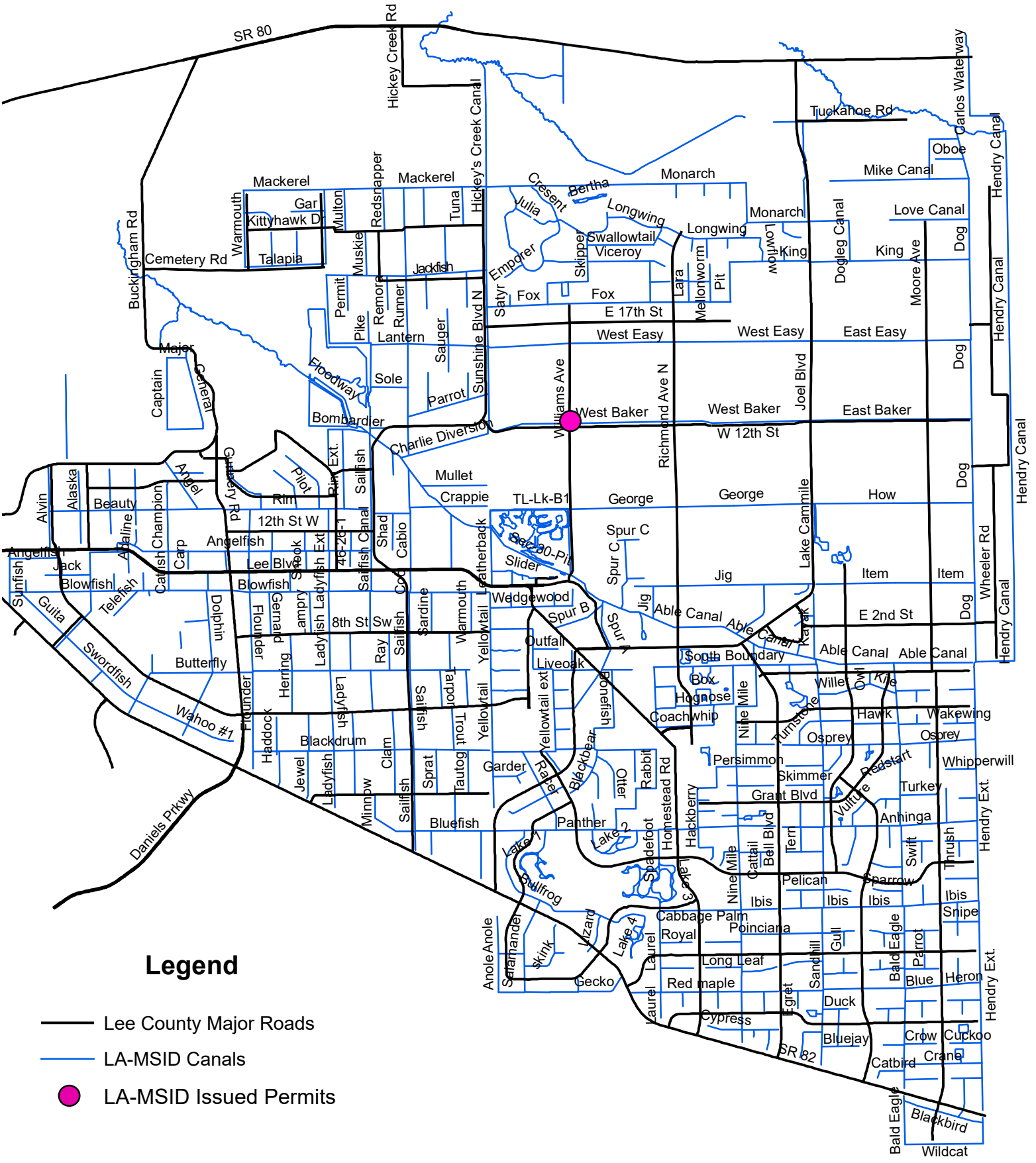
PART VI

SUBMITTALS

NO. OF COPIES		SUBMITTAL DOCUMENT
SUB'D	REQ'D	
		ITEMS REQUIRED FOR INITIAL SUBMITTAL
2	2	**Construction/Development Plans** signed and sealed by a Licensed Florida Professional Engineer including: 1. Location map showing the location of the proposed project in relation to adjacent streets and LA-MSID facilities. 2. Details of proposed works that fully communicate the work and/or use desired (i.e. Existing Conditions Survey, Proposed Site Plan, Paving Grading & Drainage Plan, Cross Sections, Element Details, and Erosion Control Plan sheets). 3. Sufficient survey data to determine elevations, property and ROW lines, limits of existing and proposed conditions, and notation of utilized vertical datum (NAVD/NGVD).
NA	2	**Stormwater Drainage Calculations** signed and sealed by a Licensed Florida Professional Engineer including, but not limited to, computer stormwater routing modeling data (ICPR4, Cascade, etc.) to verify compliance with the Design Criteria (input summary data below): **Water Quality Volume (Required):** _____(ACRE-FT) **Water Quality Volume (Provided):** _____(ACRE-FT) **Control Elevation:** _____(FT-NGVD) **Minimum Road/Parking Elevation:** _____(FT-NGVD) *(above the 10-year, 1-day design storm peak stage elevation)* **Minimum Perimeter Berm Elevation:** _____(FT-NGVD) *(above the 25-year, 3-day design storm peak stage elevation)* **Minimum Finished Floor Elevation:** _____(FT-NGVD) *(above the 100-year, 3-day design storm peak stage elevation and previously experienced high-water levels external to project)*
2	2	**Flash Drive / CD** containing plans in both AutoCAD (.dwg file drawn in "State Plane Coordinates") and PDF formats.
2	2	**Permit Application** (PARTS I & II)
2	2	**Disclosure of Owner Form (signed and notarized)** (PART III)
2	2	**Professional Consultant Form & Submittals** (PARTS V & VI)
NA	2	**Copy of Approved FDEP Notice of Intent (NOI)** for all sites one (1) acre and greater in size.
NA	2	**Copy of approved SWFMD permit**, for all sites required to get a permit, **or FDEP "10/2 Self-Certification"** approval.
1	1	**Check for appropriate Permit Fees** made out to LA-MSID.

Lehigh Acres Municipal Services Improvement District
♦601 East County Lane ♦Lehigh Acres, FL 33936 ♦Phone: (239) 368-0044

Permit # 2026-96

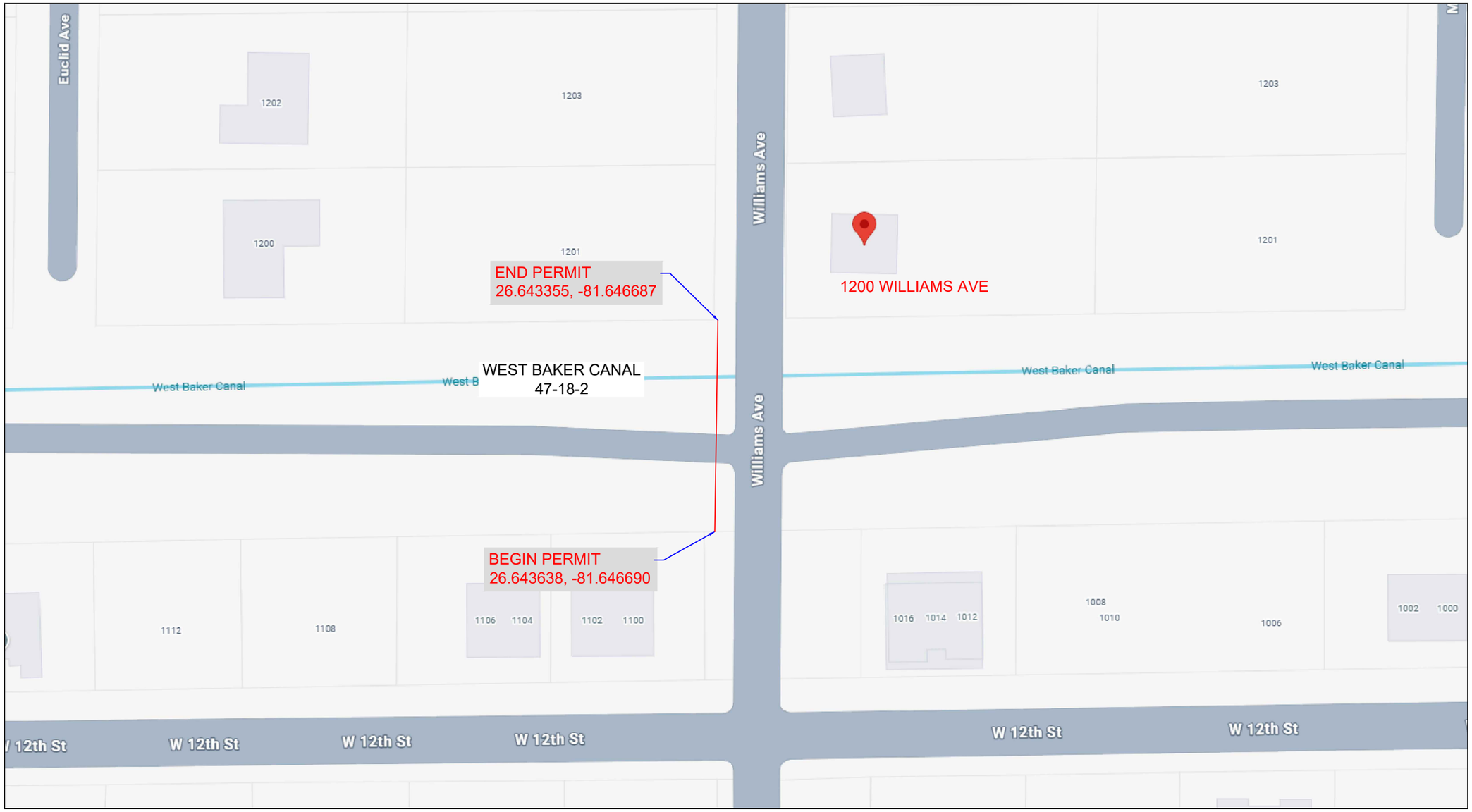


Legend

- Lee County Major Roads
- LA-MSID Canals
- LA-MSID Issued Permits

LE1_018_FDH_011 - LEHIGH ACRES_LEE COUNTY_FLORIDA - WEST BAKER CANAL

1200 WILLIAMS AVE, LEHIGH ACRES, FL 33972 (26.643537, -81.646654)



PERMIT #:

PROJECT DESCRIPTION

- BURIED PLACEMENT OF 421' OF (2) 1.25" HDPE SDR 11 CONDUIT EQUIPPED WITH (1) 96-CT FIBER OPTIC CABLE. (0) PROPOSED HANDHOLES.
- PIPE TO BE INSTALLED BY MEANS OF HORIZONTAL DIRECTIONAL DRILLING AND HAND DIGGING METHODS.
- ALL AREAS DISTURBED BY INSTALLATION TO BE RESTORED TO EXISTING OR BETTER CONDITION.

DRAWING INDEX

SHEET NUMBER	SHEET TITLE	SHEET NUMBER	SHEET TITLE
1	COVER SHEET	7	PROFILE VIEW
2	SOW AND CONTACTS	8 - 9	IMAGES
3	LEGEND	10 - 12	TYPICALS
4 - 5	GENERAL NOTES		
6	PROJECT SHEETS		

PERMITTING AGENCY
LA - MSID

lumos

BLAIR CONSULTING SERVICES, Inc.

1428 SUNBLUSH LN
LAS VEGAS, NV 89117

811 Know what's below. Call before you dig.

Blair Consulting Services, INC
1428 Sunblush Ln, Las Vegas, NV 89117
Fabio Perassi - Project Manager
fsperassi@gmail.com

LUMOS
William Kiefer - OSP Project Engineer
william.kiefer@lumosfiber.com
Phone: (515) 306-3403

Jason Bush - Construction Manager
jason.bush@lumosfiber.com
Phone: (941)812-2913

EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND BASED ON AVAILABLE RECORDS AND FIELD OBSERVATIONS. CONTRACTOR IS RESPONSIBLE FOR CALLING 811 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES AND ANY DAMAGE TO THE UTILITIES SHALL BE IMMEDIATELY REPAIRED AT THE CONTRACTOR'S EXPENSE.

REVISION DATA

NO.	DESCRIPTION	BY	DATE
----	----	----	----
----	----	----	----

SHEET TITLE:	COVER SHEET
PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_018_FDH_011
DESCRIPTION:	WEST BAKER CANAL
DRAWING NAME:	LE1_018_FDH_011 - LEHIGH ACRES_LEE COUNTY_FLORIDA - WEST BAKER CANAL
SHEET:	1 OF 12

SCOPE OF WORK

- BURIED PLACEMENT OF 421' OF (2) 1.25" HDPE SDR 11 CONDUIT EQUIPPED WITH (1) 96-CT MICROFIBER OPTIC CABLE. (0) PROPOSED HANDHOLES.
- PIPE TO BE INSTALLED BY MEANS OF HORIZONTAL DIRECTIONAL DRILLING AND HAND DIGGING METHODS.
- ALL AREAS DISTURBED BY INSTALLATION TO BE RESTORED TO EXISTING OR BETTER CONDITION.

UTILITY OWNER CONTACTS

LUMOS
William Kiefer - OSP Project Engineer
William.kiefer@lumosfiber.com
Phone: (515) 306-3403

Jason Bush - Construction Manager
jason.bush@lumosfiber.com
Phone: (941)812-2913

ENGINEERING COMPANY

Blair Consulting Services, INC
1428 Sunblush Ln,
Las Vegas, NV 89117

PROJECT MANAGER
Fabio Perassi
813-579-0128
fsperassi@gmail.com

UTILITIES CONTACTS

CENTURYLINK
BILL MCCLOUD
(850) 815-3144

LEE COUNTY ELECTRIC CO-OP
TOM BAILEY
(239) 656-2414

LUMOS FIBER OF FLORIDA, LLC
MARLON BROWN - SR DIRECTOR
MARLON.BROWN@LUMOSFIBER.COM
(540) 278-0304

FLORIDA GOVERNMENTAL UTILITIES AUTHORITY - LEHIGH
POTABLE WATER/SANITARY SEWER
LINA MARIA QUINTERO, PE
(727) 858-2396

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT
MICHAEL COOK
(239) 368-0044 Ext. 16
MCOOK@LA-MSID.COM
STORM WATER/CANALS

LEE COUNTY DEPARTMENT OF TRANSPORTATION (DOT)
COMMERCIAL RIGHT OF WAY USE PERMIT
(239) 533-8580
ROADS

FDOT
DISTRICT 1 - COUNTIES: CHARLOTTE, COLLIER, DESOTO, GLADES, HARDEE, HENDRY, HIGHLANDS, LEE, MANATEE, OKEECHOBEE, POLK, SARASOTA
801 N. BROADWAY AVENUE
BARTOW, FLORIDA 33830
PHONE: (800) 292-3368
PHONE: (239) 225-1900

PERMITTING AGENCY
LA - MSID

lumos

BLAIR CONSULTING SERVICES, Inc.

1428 SUNBLUSH LN
LAS VEGAS, NV 89117

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EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND BASED ON AVAILABLE RECORDS AND FIELD OBSERVATIONS. CONTRACTOR IS RESPONSIBLE FOR CALLING 811 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES AND ANY DAMAGE TO THE UTILITIES SHALL BE IMMEDIATELY REPAIRED AT THE CONTRACTOR'S EXPENSE.

REVISION DATA

NO.	DESCRIPTION	BY	DATE
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SHEET TITLE: SOW & CONTACTS

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_018_FDH_011
DESCRIPTION:	WEST BAKER CANAL
DRAWING NAME:	LE1_018_FDH_011 - LEHIGH ACRES_LEE COUNTY_FLORIDA - WEST BAKER CANAL
SHEET:	2 OF 12

LINETYPES

- UG FIBER – EXISTING
- UG FIBER – PROPOSED
- AERIAL FIBER – EXISTING
- AERIAL FIBER – PROPOSED
- COMMUNICATION (COM)
- RECLAIM WATER (RCW)
- DITCH
- GUARDRAIL
- ROAD CENTERLINE
- EASEMENT (ESMT)
- GAS (G)
- WATER (W)
- TELEPHONE (T)
- ELECTRIC (E)
- SANITARY SEWER (SEW)
- STORM DRAIN (SD)
- FENCE (X)
- CABLE TV (TV)
- STEAM (STM)
- OIL (OIL)
- UNKNOWN UTILITY (UNK)
- RIGHT OF WAY (R/W)
- EDGE OF PAVEMENT (EOP)
- SIDEWALK (S/W)

SYMBOL	DESCRIPTION
BP	BORE PIT
EOP	EDGE OF PAVEMENT
EOTW	EDGE OF TRAVEL WAY
FOC	FIBER OPTIC CABLE
HDPE	HIGH DENSITY POLYETHYLENE
HH	HANDHOLE
JB	JUNCTION BOX
MH	MANHOLE
MP	MILE POST
O/S	OFFSET
PVC	POLY VINYL CHLORIDE
RGS	RIGID GALVANIZED STEEL CONDUIT
ROW	RIGHT OF WAY
S/W	SIDEWALK
STA.	STATION

- CB — CABINET
- P — PEDESTAL
- E — ELECTRIC
- EM — ELECTRIC METER
- MH — MANHOLE
- R — RISER
- T — TELEPHONE
- P — POWER VAULT
- CATCH BASIN/INLET
- FIRE HYDRANT
- GROUND/BOND
- STREET LIGHT
- TREE
- CULVERT
- WING WALL
- BRIDGE
- U — MISC. UTILITY
- UTILITY POLE – EXISTING
- OWNER ID — POLE – PROPOSED
- HH — HANDHOLE – EXISTING
- HH — HANDHOLE – PROPOSED
- PD — PEDESTAL – PROPOSED
- MKR — PROMARK DOME MARKER POST
- BORE PIT – PROPOSED

- 0' — AERIAL STORAGE – EXISTING
- 0' — AERIAL STORAGE – PROPOSED
- 0' — VAULT/BUILDING STORAGE – EXISTING
- 0' — VAULT/BUILDING STORAGE – PROPOSED
- POLE ANCHOR/DOWN GUY – EXISTING
- POLE ANCHOR/DOWN GUY – PROPOSED
- PROPOSED DOWN GUY ON EXISTING ANCHOR
- FDP / NAME / SIZE / LOCATION — TERMINATION – EXISTING
- FDP / NAME / SIZE / LOCATION — TERMINATION – PROPOSED
- BUILDING / NAME / STREET — BUILDING CALLOUT – PROPOSED
- MANUFACTURER NAME — SPLICE POINT – EXISTING
- MANUFACTURER NAME — SPLICE POINT – PROPOSED

#F	
	IN: 0
	OUT: 0

SEQUENTIAL CALLOUT

#F	
	IN: 0
	TAIL: 0

SEQUENTIAL IN TAIL CALLOUT

#F	
	TAIL: 0
	OUT: 0

SEQUENTIAL TAIL OUT CALLOUT

POLE NO	N/A
UTILITY1	0'-0"

POLE ATTACHMENT CALLOUT – EXISTING
USE DYNAMIC PULL DOWN TO SELECT FROM 1 TO 6 ATTACHMENTS

POLE NO	N/A
UTILITY1	0'-0"

POLE ATTACHMENT CALLOUT – PROPOSED
USE DYNAMIC PULL DOWN TO SELECT FROM 1 TO 6 ATTACHMENTS

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SHEET TITLE: LEGEND

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_018_FDH_011
DESCRIPTION:	WEST BAKER CANAL
DRAWING NAME:	LE1_018_FDH_011 - LEHIGH ACRES_LEE COUNTY_FLORIDA - WEST BAKER CANAL
SHEET:	3 OF 12

GENERAL NOTES

CONTRACTOR MUST OBTAIN LOCATES PRIOR TO DISTURBING THE GROUND.

CONTRACTOR MUST HAVE A COPY OF THE APPROVED PERMIT FROM THE APPROPRIATE AGENCY ON THE JOBSITE AT ALL TIMES.

ALL CABLE WILL BE PLACED AT A MINIMUM DEPTH OF 36" DEEP UNLESS OTHERWISE DIRECTED BY A REPRESENTATIVE OF THE UTILITY OWNER.

ANY LANDSCAPING WILL BE REPLACED TO EQUAL OR BETTER THAN THAT WHICH EXISTED PRIOR TO WORK, 72 HOURS AFTER COMPLETION OF WORK.

PROJECT SITE WILL BE PROPERLY SECURED PRIOR TO THE END OF EACH DAY.

ALL WORK IS TO BE IN ACCORDANCE WITH ALL AUTHORITIES HAVING JURISDICTION IN THE WORK ZONE.

CONTRACTORS ARE ADVISED TO CONTACT THE PROJECT MANAGER FOR ANY ADDITIONAL INFORMATION OR CLARIFICATION CONCERNING SCOPE OF WORK OR THE REQUIREMENTS NECESSARY FOR PROJECT COMPLETION.

CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY ALL DIMENSIONS, QUANTITIES AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION. IF A SIGNIFICANT CHANGE TO THE RUNNING LINE IS NEEDED, PLEASE CONTACT THE PROJECT MANAGER BEFORE PROCEEDING.

BEFORE CONSTRUCTION BEGINS, CONTRACTOR SHALL TAKE APPROPRIATE PRECAUTIONS TO AVOID ANY POTENTIAL OBSTRUCTIONS PRIOR TO PROCEEDING WITH WORK.

NO CONSTRUCTION ON PRIVATE PROPERTY WILL COMMENCE UNTIL APPROVAL IS GIVEN BY A REPRESENTATIVE OF THE UTILITY OWNER.

CONTRACTOR SHALL NOT PROCEED WITH WORK UNTIL THEY HAVE RECEIVED A PURCHASE ORDER AND HAVE BEEN DIRECTED TO DO SO BY AN AUTHORIZED REPRESENTATIVE OF THE UTILITY OWNER.

CONTRACTOR SHALL NOT EXCEED THE PURCHASE ORDER VALUE WITHOUT AUTHORIZATION IN WRITING FROM THE APPROPRIATE REPRESENTATIVE OF THE UTILITY OWNER.

AS-BUILTS WILL BE REQUIRED FOR EACH PROJECT INCLUDING CABLE FOOTAGE SEQUENTIALS AT EVERY ACCESS POINT, SLACK LOOP, SPLICE LOCATION, POLE AND TERMINATION POINT. CONTRACTOR SHOULD ALSO PROVIDE NOTES OF ALL CHANGES IN DEPTHS, RUNNING LINES, MH/HH LOCATIONS, AND ANY OTHER APPLICABLE NOTES TO DEPICT THE WORK THAT TOOK PLACE. NOTE: ALL MAJOR CHANGES NEED TO BE PRE-APPROVED BY AN AUTHORIZED REPRESENTATIVE OF THE UTILITY COMPANY PRIOR TO STARTING THE WORK.

SITE CONDITIONS

THE ACTUAL LOCATION OF EXISTING CONDUIT AND CABLES MAY VARY FROM THE LOCATION SHOWN. REPAIR OF ANY DAMAGED CONDUIT CONTAINING CABLE SHALL BE MADE BY USE OF PVC SPLIT DUCT. THE CONTRACTOR SHALL ENCLOSE THE EXISTING CABLES IN PVC.

THE LOCATIONS OF EXISTING UTILITIES SHOWN IN THIS PLAN ARE APPROXIMATE. WHEN WORK IS TO BE CONDUCTED IN THE VICINITY OF KNOWN UTILITIES, THEIR ACTUAL LOCATION MUST BE FIELD VERIFIED TO AVOID CONFLICTS OR DAMAGE TO THOSE UTILITIES. VARIATION IN LOCATION BETWEEN "RECORDED POSITIONS" AND ACTUAL POSITIONS SHOULD BE ANTICIPATED.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES. BURIED UTILITIES MAY EXIST IN THE AREA IN ADDITION TO THOSE SHOWN ON THE PLAN. THE CONTRACTOR SHALL CONTACT PROPERTY OWNERS WHEN WORKING WITHIN PRIVATE EASEMENTS FOR LOCATION OF UNDERGROUND TANKS, PIPELINES, DRAIN TILES, OR OTHER BURIED IMPROVEMENTS. THE CONTRACTOR SHALL ALSO NOTIFY THE UTILITY NOTIFICATION CENTER PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITIES.

THE CONTRACTOR MUST ASSUME ALL BURIED UTILITIES ENCOUNTERED ARE ALIVE AND ACTIVE UNLESS SPECIFICALLY INSTRUCTED OTHERWISE BY OWNERS OR OPERATORS OF SAID UTILITIES.

DAMAGE TO SUB-SURFACE STRUCTURES IS THE SOLE RESPONSIBILITY OF THE PLACING CONTRACTOR.

THE CONTRACTOR SHALL PROTECT THE EXISTING TRAFFIC CONTROL LOOPS. IF EXISTING TRAFFIC CONTROL LOOPS ARE DAMAGED DURING CONSTRUCTION, THE ENTIRE LOOP WIRE FROM TERMINAL TO TERMINAL SHALL BE REPLACED IN ACCORDANCE WITH GOVERNING AGENCY STANDARDS AND REGULATIONS AT CONTRACTOR'S EXPENSE.

REMOVAL OF EXISTING ASPHALT PAVEMENT, CONCRETE CURBS, AND CONCRETE SIDEWALKS WILL BE "NEAT LINE" WITH SAW OR PAVEMENT CUTTER, PER REQUIREMENTS AND SPECIFICATIONS OF THE AGENCY OR DEPARTMENT RESPONSIBLE FOR EACH LOCATION. IF CONCRETE PAVEMENT IS ENCOUNTERED WHILE EXCAVATING CONDUIT TRENCHES, THE CONCRETE REMOVAL WILL BE "NEAT LINE" WITH A PAVEMENT SAW.

IF CONCRETE CURB RETURNS AND/OR SIDEWALKS ARE REPLACED DUE TO CONDUIT OR MANHOLE INSTALLATION, THE CONTRACTOR SHALL PLACE APPROVED HANDICAPPED SIDEWALK AND CURB ACCESS RAMPS IN CONFORMANCE WITH THE APPROPRIATE STATE STATUTES.

ALL MATERIALS NECESSARY FOR THE REPAIR OF STREETS, CURBS, SIDEWALKS, SANITARY SEWERS, STORM SEWERS, AND PUBLIC SERVICE UTILITIES, AND THE INSTALLATION OF SUCH MATERIALS SHALL BE IN CONFORMANCE WITH THE REQUIREMENTS AND SPECIFICATIONS OF THE AGENCY OR DEPARTMENT RESPONSIBLE FOR THE OPERATION AND MAINTENANCE OF THE REPAIRED FACILITY.

ALL WORK SHALL CONFORM TO THE SPECIFICATIONS OF THE JURISDICTIONAL PERMIT AGENCY.

ALL OPEN TRENCH WILL BE CLEARLY MARKED WITH BARRICADES OR CONES. STEEL PLATES OR OTHER TYPES OF BRIDGING SHALL BE PROVIDED TO COVER OPEN TRENCH IN THE TRAVEL PORTION OF THE STREETS. THESE PLATES OR BRIDGING SHALL BE ADEQUATE TO SUPPORT THE NORMAL VEHICLE LOADS ANTICIPATED IN THIS AREA AND SHALL BE IN PLACE DURING ALL NON-WORKING AREAS.

ALL SURFACES TO BE RESTORED TO ORIGINAL CONDITION, AND BACKFILL TO BE COMPACTED AS SPECIFIED. TRENCH EXCAVATION IN SURFACES WHICH INCLUDE CONCRETE TREATED BASE SHALL FOLLOW LOCAL AREA SPECIFICATIONS.

HAZARDOUS MATERIALS

THE CONTRACTOR SHALL NOTIFY THE JURISDICTIONAL PERMIT AGENCY IMMEDIATELY IF ANY MATERIALS ARE ENCOUNTERED THAT ARE CONSIDERED HAZARDOUS BY THE EPA, DEQ, OR OSHA. IF POTENTIALLY HAZARDOUS MATERIALS ARE ENCOUNTERED THE CONTRACTOR SHALL SECURE THE SITE AND PREVENT THE ACCIDENTAL EXPOSURE BY THE PUBLIC OR THE CONTRACTOR'S PERSONNEL.

THE CONTRACTOR MAY EXCAVATE UP TO, BUT SHALL NOT DISTURB KNOWN HAZARDOUS MATERIALS SUCH AS ASBESTOS, OILS, ACID, ETC. THE REMOVAL OF ALL HAZARDOUS MATERIALS MUST BE DONE BY AN APPROVED OR CERTIFIED HAZARDOUS MATERIALS CONTRACTOR LICENSED IN THE APPROPRIATE STATE.

A COPY OF ALL CORRESPONDENCE PERTINENT TO THE REMOVAL OF HAZARDOUS MATERIALS SHALL BE TRANSMITTED TO OWNER AND A COPY SHALL BE AVAILABLE AT THE PROJECT OFFICE AND THE JOB SITE.

AERIAL NOTES

- AERIAL CONSTRUCTION TO BE PERFORMED TO INDUSTRY ACCEPTABLE STANDARDS.
- ALL HEIGHTS OF CABLE PLACEMENT WILL BE RECORDED AT TIME OF CONSTRUCTION. DOCUMENT ALL POINTS OF ATTACHMENT.
- ALL EXTENSION ARMS TO BE PLACED WILL BE EPOXY ARMS UNLESS OTHERWISE NOTED OR APPROVED BY THE INSPECTOR.
- BOND STRAND TO POWER MGN WHERE APPLICABLE. ANCHORS TO BE USED WILL BE 3/4 SCREW IN TYPE.
- ALL STRAPS WILL BE PLACED 4" BEFORE AND AFTER EVERY SUPPORTING CLAMP AT A MINIMUM OF 21" APART.
- P.O.A. = POINT OF ATTACHMENT.
- ADD MISSING GROUNDS.
- REPAIR/REPLACE EXISTING LASHING WIRE IF DAMAGED.

CONSTRUCTION STAKING

IN AREAS WHERE THE CONDUIT ALIGNMENT IS NOT CLEARLY DEFINED BY CURB LINES, FENCE LINES, OR OTHER EVIDENCE OF THE RIGHT-OF-WAY, THE ENGINEER WILL PROVIDE CENTERLINE STAKES OR PAINT MARKS WHERE REQUIRED TO MAKE THE PROPOSED CONDUIT ALIGNMENT EVIDENT.

MANHOLE CENTERS WILL BE FIELD STAKED BY THE ENGINEER WHEN REQUESTED WITH OFFSET STAKES AT RIGHT ANGLES (90°) TO THE CONDUIT ALIGNMENT.

CLOSURES IDENTIFIED IN THE PLANS SHALL BE LOCATED BY THE CONTRACTOR. DEVIATION FROM PLAN LAYOUT SHALL BE APPROVED BY THE ENGINEER PRIOR TO CONDUIT AND/OR CLOSURE INSTALLATION.

IF ADDITIONAL, FIELD STAKING OR LOCATION OF CONDUITS, MANHOLES, PROPERTY LINES, ETC., BECOMES NECESSARY, THE CONTRACTOR IS TO NOTIFY THE INSPECTOR OR THE ENGINEER TWO WORKING DAYS PRIOR TO BEGINNING THE WORK.

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SHEET TITLE: GENERAL NOTES

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_018_FDH_011
DESCRIPTION:	WEST BAKER CANAL
DRAWING NAME:	LE1_018_FDH_011 - LEHIGH ACRES_LEE COUNTY_FLORIDA - WEST BAKER CANAL
SHEET:	4 OF 12

PERMITS - FRANCHISES - EASEMENTS

PHYSICAL WORK SHALL NOT BE STARTED UNTIL THE GOVERNING AGENCY INSPECTOR AND THE CONTRACTOR ARE IN POSSESSION OF AND HAVE CAREFULLY REVIEWED AND FULLY UNDERSTAND ALL CONDITIONS AND SPECIFICATIONS SET FORTH IN THE REQUIRED PERMITS, FRANCHISES, AND/OR EASEMENTS.

PLACING FOREMAN TO HAVE A COPY OF THE PERMITS/EASEMENTS ON SITE AT ALL TIMES.

ANY CONFLICT BETWEEN WORK PRINT SPECIFICATIONS AND SPECIFICATIONS SET FORTH UNDER RELATED PERMITS, FRANCHISES, AND/OR EASEMENTS MUST BE CLEARED BY PROPER COMPANY AUTHORITY BEFORE PROGRESSING WITH WORK INVOLVED

TRAFFIC CONTROL

THIS PROJECT WILL INVOLVE WORKING ALONG A MAJOR ARTERIAL ROAD AND HEAVY TRAFFIC VOLUME SHOULD BE ANTICIPATED.

UNIFORM TRAFFIC FLOW SHALL BE MAINTAINED AT ALL TIMES. ONLY EQUIPMENT AND MATERIALS NECESSARY FOR IMMEDIATELY SCHEDULED OR IN PROGRESS WORK WILL BE MAINTAINED IN THE WORK AREA. ALL OTHER EQUIPMENT AND MATERIALS WILL BE "STORED OR STOCKPILED" IN SUCH A MANNER AS TO ELIMINATE HAZARDOUS CONDITIONS FOR TRAFFIC OR PEDESTRIANS DURING NON-WORKING OR SHUT DOWN PERIODS.

TRAFFIC WARNING DEVICES AND SIGNS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (U.S. GOVERNMENT PRINTING OFFICE) AND TO THE STATE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION. HIGH LEVEL WARNING TYPE DEVICES ARE TO BE USED AT ALL TIMES AND SPECIAL WARNING DEVICES MAY BE STIPULATED BY THE JURISDICTIONAL PERMIT AGENCY AT ANY TIME THE USE WILL ADD TO THE SAFETY AND PROTECTION OF TRAFFIC OR PEDESTRIANS IN THE CONSTRUCTION AREA.

ALL CONDUIT TRENCHING IN PAVED AREAS SHALL BE BACKFILLED WITH CRUSHED GRAVEL OR COMPLETELY COVERED AT THE COMPLETION OF EACH WORKING DAY. ANY BACKFILLED TRENCH SHALL BE CAPPED WITH A MINIMUM LAYER OF ASPHALTIC CONCRETE COLD PATCH AT THE END OF EACH WORKING DAY.

THE CONTRACTOR SHALL MARK THE CONDUIT TRENCH AND DEFINE HIS CONSTRUCTION AREA CLEARLY WITH BARRICADES, CONES, AND/OR OTHER VISIBLE METHODS THAT ALERT THE PUBLIC OF THE CONSTRUCTION ACTIVITY.

A TRAFFIC CONTROL PLAN SHALL BE PREPARED BY THE CONTRACTOR AS REQUIRED AND SUBMITTED TO EACH PERMITTING AGENCY REQUESTING SUCH PLAN FOR REVIEW AND APPROVAL OR REVISION PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITY FOR THIS PROJECT. THE APPROVED PLAN SHALL BE SUBMITTED TO THE AGENCY AND A COPY OF THE PLAN SHALL BE KEPT AT THE CONSTRUCTION SITE AND MUST BE READILY AVAILABLE REVIEW BY THE AGENCY REPRESENTATIVES.

SPECIAL UTILITY CLEARANCES

ALL WORK CONDUCTED ADJACENT TO WATER MAINS SHALL CONFORM TO THE FOLLOWING CONDITIONS:

A. WHEREVER POSSIBLE CONDUIT SHALL MAINTAIN A HORIZONTAL SEPARATION OF 3.0 FEET, MEASURED SURFACE TO SURFACE (OUTSIDE EDGE TO OUTSIDE EDGE), FROM PARALLEL WATER MAINS.

B. WHEREVER POSSIBLE, CONDUIT SHALL PASS UNDER EXISTING WATER MAINS AND MUST MAINTAIN 24" VERTICAL CLEAR SEPARATION. CONDUITS PASSING OVER WATER MAINS MUST ALSO MAINTAIN THE 24" VERTICAL SEPARATION.

C. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING THIS REQUIRED VERTICAL SEPARATION BY EITHER EXPOSING THE WATER MAIN EVERY 100 FEET IN THOSE AREAS WHERE HORIZONTAL SEPARATION IS LESS THAN 3.0 FEET OR BY UTILIZING THE DEPTHS OF ADJACENT WATER VALVES. IF THE CONTRACTOR UTILIZES THE ADJACENT WATER TO DETERMINE WATER MAIN DEPTH, HE SHALL CONTACT THE AGENCY AT EACH SUCH LOCATION AND THE AGENCY WILL DETERMINE THE NECESSARY DEPTH OF THE TOP OF THE CONDUIT AT THAT POINT.

D. THE VERTICAL AND HORIZONTAL SEPARATION SHALL BE MAINTAINED AT ALL TIMES UNLESS SPECIFICALLY REVISED BY AGREEMENT BETWEEN THE JURISDICTIONAL PERMIT AGENCY AND THE AGENCY ANY SPECIFIC DEVIATION IN VERTICAL AND HORIZONTAL SEPARATION FROM THOSE DESCRIBED SHALL BE REPORTED TO THE OWNER BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING VERTICAL AND HORIZONTAL SEPARATION AT ALL TIMES AND SHALL BE RESPONSIBLE FOR ANY AND ALL ENCROACHMENTS.

E. CLEARANCES TO STORM SEWERS AND SANITARY SEWERS SHALL BE EXACTLY THE SAME AS THOSE TO WATER MAINS.

STRUCTURE PROTECTION

MANHOLES AND CONDUIT TO BE PLACED ADJACENT TO EXISTING STRUCTURES SUCH AS BRIDGE BRIDGE FOOTINGS/PIERS, BUILDING FOUNDATIONS, WALLS, POWER AND TELEPHONE POLES, AND OTHER UTILITIES SHALL MAINTAIN A MINIMUM CLEARANCE AS SHOWN. THE CONTRACTOR SHALL NOT UNDERMINE ANY ADJACENT STRUCTURE WITHOUT SPECIFIC WRITTEN PERMISSION FROM THE OWNER/OPERATOR OF SUCH STRUCTURE.

SHORING USED AS FOUNDATION SUPPORT SHALL BE DESIGNED SPECIFICALLY FOR BOTH THE LIVE AND DEAD LOADS OF THE STRUCTURE, OR IF ONLY THE DEAD LOAD IS USED FOR DESIGN, THE CONTRACTOR SHALL PROVIDE A DETAILED LAYOUT AND PLAN OF THE METHOD OF ESTABLISHING AND MAINTAINING THE DESIGN LOAD CONDITIONS (I.E., ROAD DETOURS, TIEBACKS, ETC.).

SEE UTILITY CLEARANCE SECTION NOTES FOR CLEARANCE CRITERIA TO PARALLEL OR CROSS UTILITIES.

EXISTING UTILITIES EXPOSED DURING EXCAVATION SHALL BE 100% SUPPORTED BY EITHER TRENCH BRIDGING AND SUSPENSION OR BY THE USE OF LONGITUDINAL TRAYS OR PLATFORMS VERTICALLY SUPPORTED BY ADJUSTABLE BUILDING JACKS.

EXISTING SPLICE CASES AND CABLES SHALL BE SUPPORTED BY SUSPENSION FROM A CROSSING BEAM. SUPPORTS SHALL BE PLACED AT A MAXIMUM SPACING OF 4.0 FEET AND SHALL CONSIST OF A CANVAS SLING WITH NYLON BELTING OR ROPE. ALL CABLE SUPPORTS SHALL BE PLACED IN A MANNER THAN PREVENTS KINKS OR OTHER DAMAGE TO THE CABLE SHEATH.

AN ACCEPTABLE ALTERNATIVE TO CABLE SLINGS WOULD BE THE UTILIZATION OF A WIDE FLANGE "I" BEAM OR CHANNEL AS A "CABLE TRAY" WITH THE CABLES/CASES BANDED IN PLACE.

SHORING

THE CONTRACTOR SHALL PROVIDE SHORING FOR CONDUIT TRENCH EXCAVATION 42" OR MORE IN DEPTH AS MEASURED FROM THE HIGH SIDE OF THE TRENCH AND FOR ALL MANHOLE EXCAVATION.

MANHOLE SHORING SHALL BE TIGHT-SHEETED.

ALL SHORING SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF LOCAL COUNTY AND THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA).

SHORING SHALL BE DESIGNED TO MEET H-20 HIGHWAY LOADING.

THE CONTRACTOR SHALL PROVIDE ALL SHORING AND DESIGN CALCULATIONS TO THE PERMIT ISSUING AGENCY PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITY.

UTILITY NOTE:

EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND BASED ON AVAILABLE RECORDS, VERBAL INFORMATION AND/OR PHYSICAL FEATURES. PRIOR TO CONSTRUCTION (AT LEAST 72 HOURS OR THE MORE RESTRICTIVE MINIMUM NOTIFICATION PERIOD), THE CONTRACTOR SHALL CONTACT SUNSHINE 811 TO ALLOW MARKING OF EXISTING BURIED UTILITIES WITHIN THE SCOPE OF THE PROPOSED WORKZONE.

SOFT DIGS &/OR POTHOLING SHALL BE REQUIRED BY CONTRACTOR TO IDENTIFY EXISTING UTILITY DEPTHS.

MINIMUM 24" SEPARATION SHALL BE MAINTAINED FROM ALL EXISTING UTILITIES UNLESS SUPERVISED.

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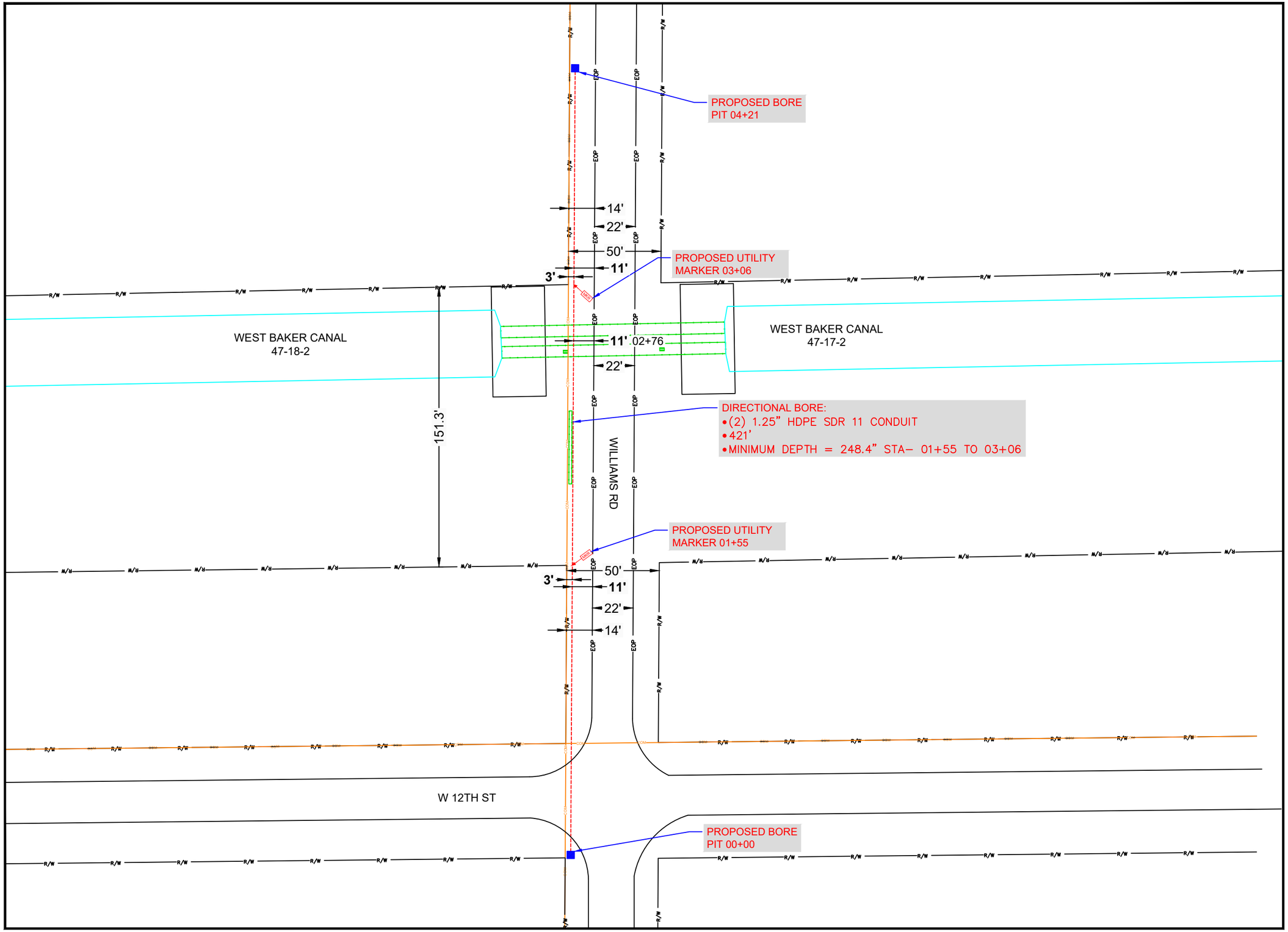
SHEET TITLE:
GENERAL NOTES

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_018_FDH_011
DESCRIPTION:	WEST BAKER CANAL
DRAWING NAME:	LE1_018_FDH_011 - LEHIGH ACRES_LEE COUNTY_FLORIDA - WEST BAKER CANAL
SHEET:	5 OF 12



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811 Know what's below. Call before you dig.

0 25' 50'

SCALE: 1"=50'

EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND BASED ON AVAILABLE RECORDS AND FIELD OBSERVATIONS. CONTRACTOR IS RESPONSIBLE FOR CALLING 811 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES AND ANY DAMAGE TO THE UTILITIES SHALL BE IMMEDIATELY REPAIRED AT THE CONTRACTOR'S EXPENSE.

REVISION DATA

NO.	DESCRIPTION	BY	DATE
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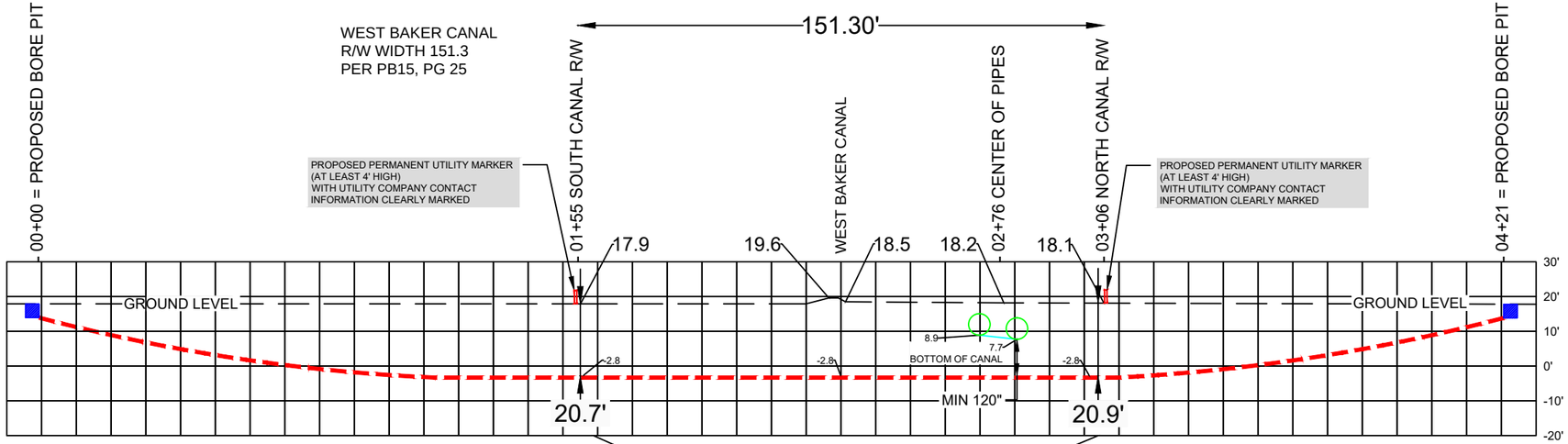
SHEET TITLE:

PROJECT SHEET

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_018_FDH_011
DESCRIPTION:	WEST BAKER CANAL
DRAWING NAME:	LE1_018_FDH_011 - LEHIGH ACRES_LEE COUNTY_FLORIDA - WEST BAKER CANAL
SHEET:	6 OF 12

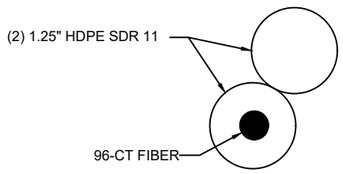
SUB-GRADE VERTICAL PROFILE VIEW
WILLIAMS AVE
LOOKING WEST



UTILITY NOTE:

EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND BASED ON AVAILABLE RECORDS, VERBAL INFORMATION AND/OR PHYSICAL FEATURES. PRIOR TO CONSTRUCTION (AT LEAST 72 HOURS OR THE MORE RESTRICTIVE MINIMUM NOTIFICATION PERIOD), THE CONTRACTOR SHALL CONTACT SUNSHINE 811 TO ALLOW MARKING OF EXISTING BURIED UTILITIES WITHIN THE SCOPE OF THE PROPOSED WORKZONE.

PIPE DETAIL



PERMITTING AGENCY
LA - MSID

lumos

BLAIR CONSULTING SERVICES, Inc.
1428 SUNBLUSH LN
LAS VEGAS, NV 89117

811 Know what's below. Call before you dig.

0 20' 40'
SCALE: 1"=40'

EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND BASED ON AVAILABLE RECORDS AND FIELD OBSERVATIONS. CONTRACTOR IS RESPONSIBLE FOR CALLING 811 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES AND ANY DAMAGE TO THE UTILITIES SHALL BE IMMEDIATELY REPAIRED AT THE CONTRACTOR'S EXPENSE.

REVISION DATA

NO.	DESCRIPTION	BY	DATE
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SHEET TITLE:
PROFILE VIEW

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_018_FDH_011
DESCRIPTION:	WEST BAKER CANAL
DRAWING NAME:	LE1_018_FDH_011 - LEHIGH ACRES_LEE COUNTY_FLORIDA - WEST BAKER CANAL
SHEET:	7 OF 12



STREET LEVEL VIEW
STA 01+55
FACING SOUTH

04/25/2026 2:09PM
26.643638, -81.646690
1201 WILLIAMS RD
LEHIGH ACRES, FL 33972

PERMITTING AGENCY
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REVISION DATA

NO.	DESCRIPTION	BY	DATE
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----	----	----	----

SHEET TITLE:	IMAGES
PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_018_FDH_011
DESCRIPTION:	WEST BAKER CANAL
DRAWING NAME:	LE1_018_FDH_011 - LEHIGH ACRES_LEE COUNTY_FLORIDA - WEST BAKER CANAL
SHEET:	8 OF 12

STREET LEVEL VIEW
STA 03+06
FACING NORTH



04/25/2026 2:10PM
26.643355, -81.646687
1100 W 12TH ST
LEHIGH ACRES, FL 33972

PERMITTING AGENCY
LA - MSID

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LAS VEGAS, NV 89117

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REVISION DATA

NO.	DESCRIPTION	BY	DATE
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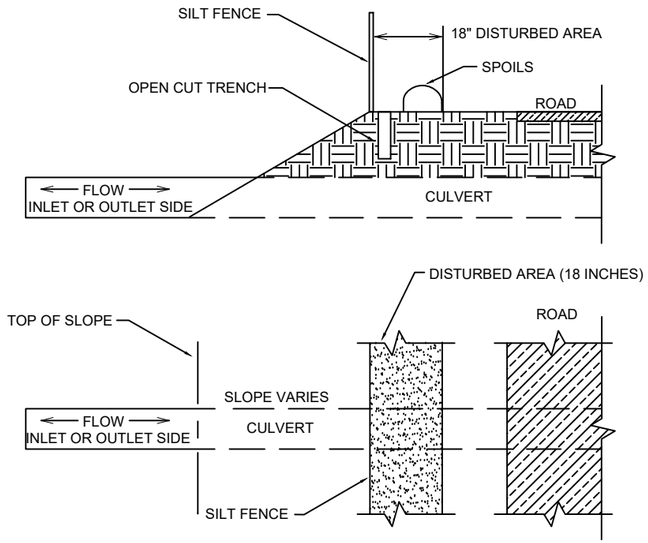
SHEET TITLE: IMAGES

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_018_FDH_011
DESCRIPTION:	WEST BAKER CANAL
DRAWING NAME:	LE1_018_FDH_011 - LEHIGH ACRES_LEE COUNTY_FLORIDA - WEST BAKER CANAL
SHEET:	9 OF 12

TYPICALS

CULVERT CUT OVER ON ROADSIDE SHOULDER

NOT TO SCALE



GENERAL NOTES

1. INSTALL SILT FENCE TO PROTECT DOWNSTREAM AREAS FROM SEDIMENTATION PRIOR TO CONSTRUCTION.
2. INSTALL SILT FENCE AS NEEDED TO PROTECT DRAINAGE FEATURES, BUT NO LESS THAN 10' ON EITHER SIDE OF CULVERT.

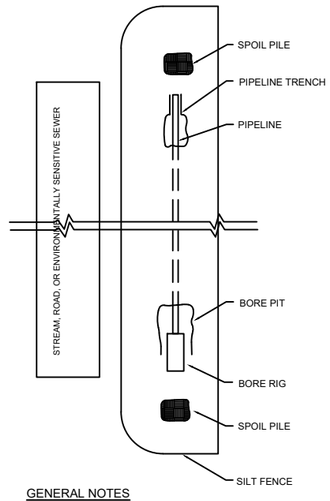
MAINTENANCE NOTES

INSPECT CULVERT CROSSING STRUCTURES WEEKLY AND AFTER EACH SIGNIFICANT RAINFALL EVENT (0.5" OR GREATER) TO SEE IF ANY EROSION AROUND OR BELOW THE SILT FENCE HAS OCCURRED, IMMEDIATELY MAKE ALL NEEDED REPAIRS TO PREVENT FURTHER DAMAGE.

*REF: 6.41.5 NC Erosion and Sediment Control Planning and Design Manual, 2006

DIRECTIONAL BORE DETAIL (PARALLEL)

NOT TO SCALE

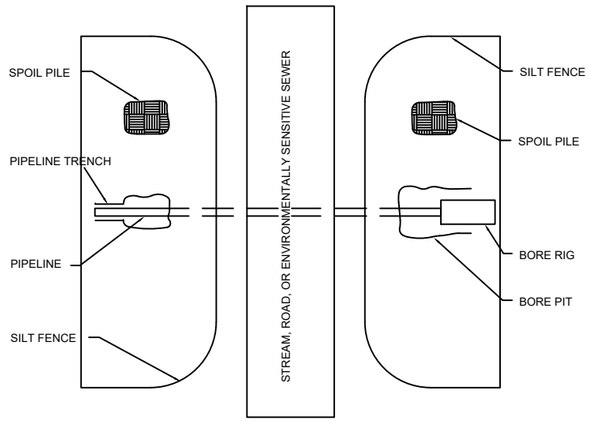


GENERAL NOTES

1. BORE PITS AND SPOILS PILES SHALL BE ENCLOSED ON THREE SIDES AS SHOWN WITH SILT FENCE

DIRECTIONAL BORE DETAIL (TRAVERSE)

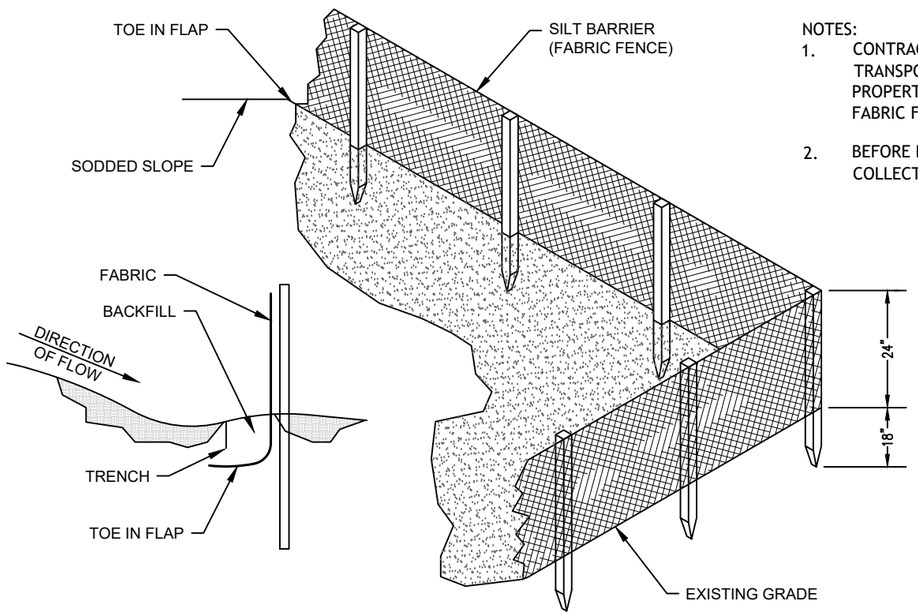
NOT TO SCALE



GENERAL NOTES

1. BORE PITS AND SPOILS PILES SHALL BE ENCLOSED ON THREE SIDES AS SHOWN WITH SILT FENCE

FABRIC FENCE SILT - BARRIER



NOTES:

1. CONTRACTOR IS REQUIRED TO PREVENT ANY SEDIMENT TRANSPORT FROM THE PROJECT SITE ON TO ADJACENT PROPERTY. INSTALLATION OF EITHER BALED HAY OR FABRIC FENCE TYPE SILT BARRIER IS ACCEPTABLE.
2. BEFORE REMOVING SILT BARRIER, CONTRACTOR SHALL COLLECT AND DISPOSE OF ANY ACCUMULATED SILT.

PERMITTING AGENCY

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LAS VEGAS, NV 89117

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REVISION DATA

NO.	DESCRIPTION	BY	DATE
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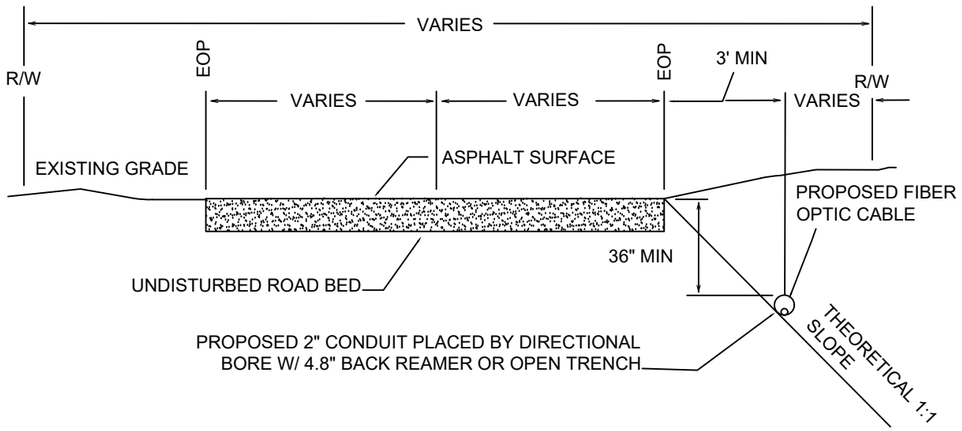
SHEET TITLE: TYPICALS

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_018_FDH_011
DESCRIPTION:	WEST BAKER CANAL
DRAWING NAME:	LE1_018_FDH_011 - LEHIGH ACRES_LEE COUNTY_FLORIDA - WEST BAKER CANAL
SHEET:	10 OF 12

TYPICALS

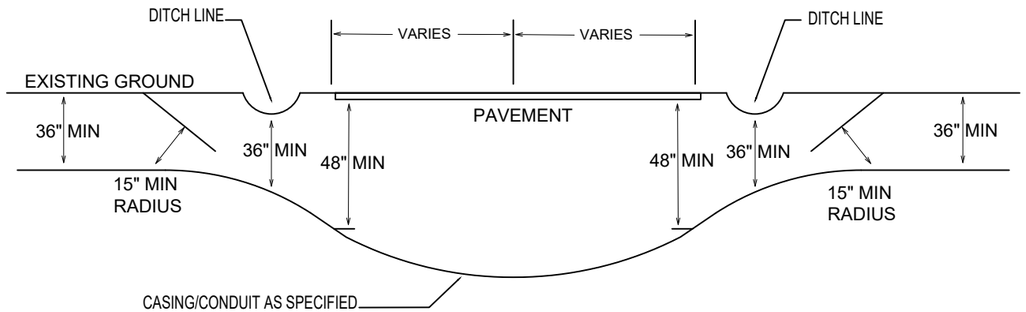
PARALLEL CONDUIT DETAIL FOR FDOT RIGHT-OF-WAY

NOT TO SCALE



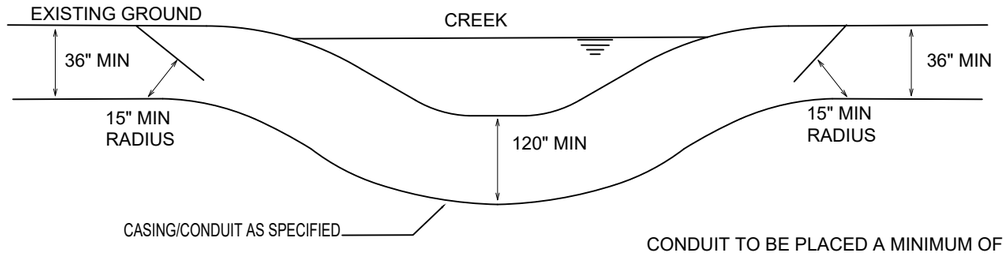
DIRECTIONAL BORE UNDER SECONDARY ROADWAY

NOT TO SCALE



DIRECTIONAL BORE UNDER CREEK BED

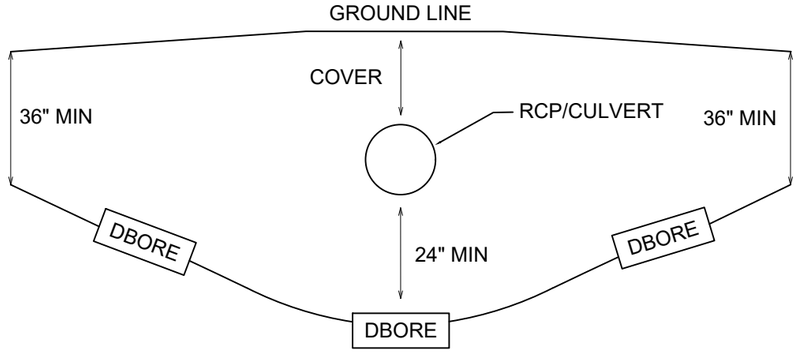
NOT TO SCALE



CONDUIT TO BE PLACED A MINIMUM OF 10 FEET BELOW CREEK BED

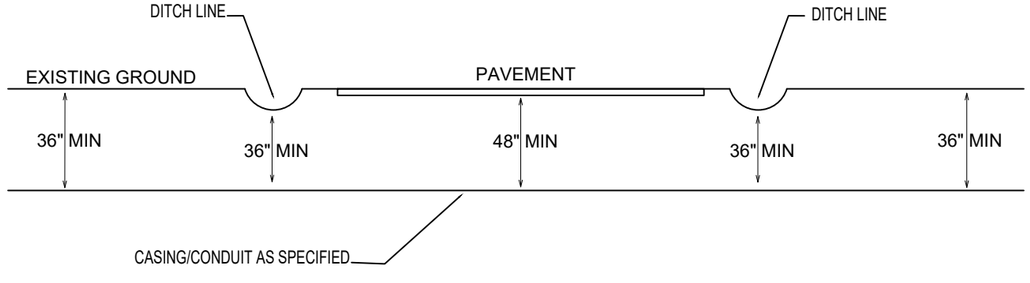
CULVERT CROSSING DETAIL

NOT TO SCALE



DRY BORE UNDER ROADWAY

NOT TO SCALE



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LAS VEGAS, NV 89117

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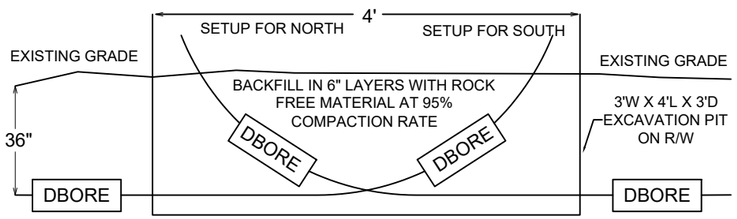
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_018_FDH_011
DESCRIPTION:	WEST BAKER CANAL
DRAWING NAME:	LE1_018_FDH_011 - LEHIGH ACRES_LEE COUNTY_FLORIDA - WEST BAKER CANAL
SHEET:	11 OF 12

TYPICALS

DIRECTIONAL BORE TIE-IN DETAIL

NOT TO SCALE

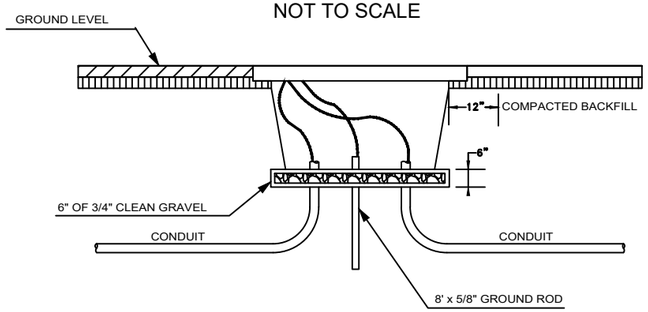


TIE-IN STATION

- BORE FROM EACH DIRECTION IS RUN AT DESIGN DEPTH TO 2 FEET PAST THE INTENDED TIE-IN. THEN TURNED UP TO DAYLIGHT.
- THE TIE-IN POINT IS EXCAVATED. THE CONDUITS CUT OFF WHERE THEY CROSS EACH OTHER AT DESIGN DEPTH, AND A COUPLER IS INSTALLED TO CONNECT THE TWO CONDUITS AT THE DESIGN DEPTH.
- ALL EXCAVATIONS OR TRENCHES 4 FEET OR GREATER IN DEPTH SHALL BE APPROPRIATELY BENCHED, SHORED, OR SLOPED IN OSHA'S EXCAVATION STANDARD, 29 CFR 1926.650, .651, AND .652

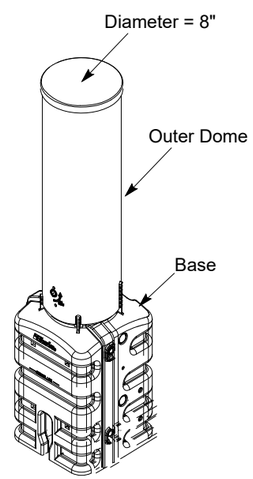
PULL BOX HANDHOLE

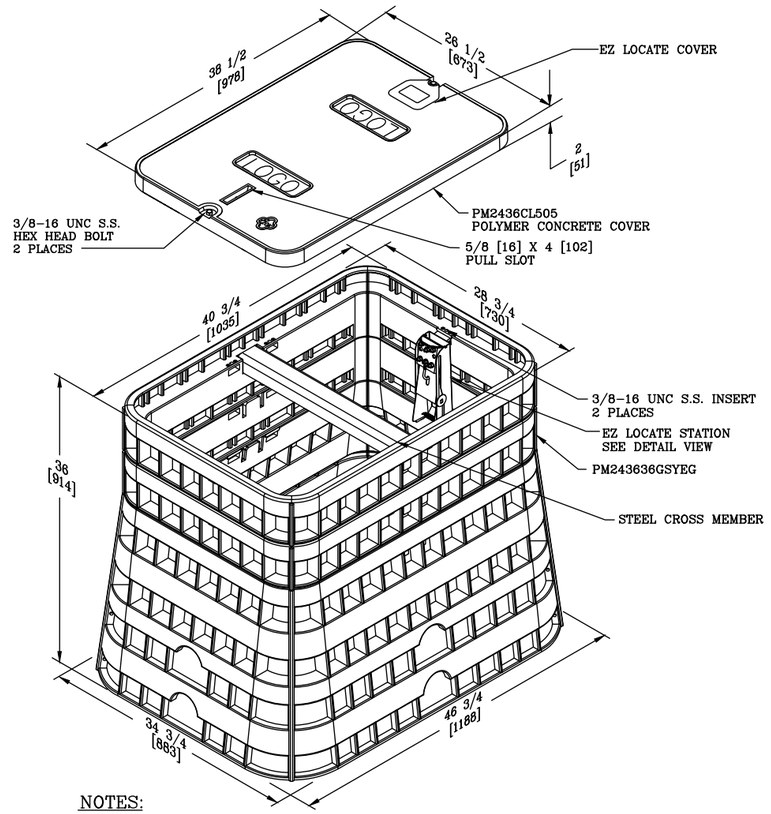
NOT TO SCALE



ALL EXCAVATIONS OR TRENCHES 4 FEET OR GREATER IN DEPTH SHALL BE APPROPRIATELY BENCHED, SHORED, OR SLOPED ACCORDING TO THE PROCEDURES AND REQUIREMENTS SET FORTH IN OSHA'S EXCAVATION STANDARD, 29 CFR 1926.650, .651, AND .652.

BDO204-EG

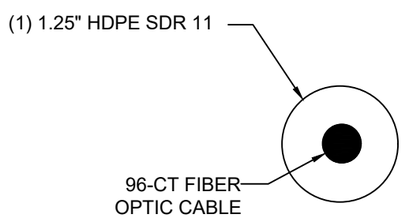




NOTES:

1. BOX MATERIAL TO BE HDPE PLASTIC, COVER MATERIAL TO BE POLYMER CONCRETE.
2. COLOR TO BE GREY.
3. THIS ASSEMBLY HAS A LOAD RATING OF 20,000 LBS. [88,960 N].

PIPE DETAIL



PERMITTING AGENCY

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LAS VEGAS, NV 89117

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REVISION DATA

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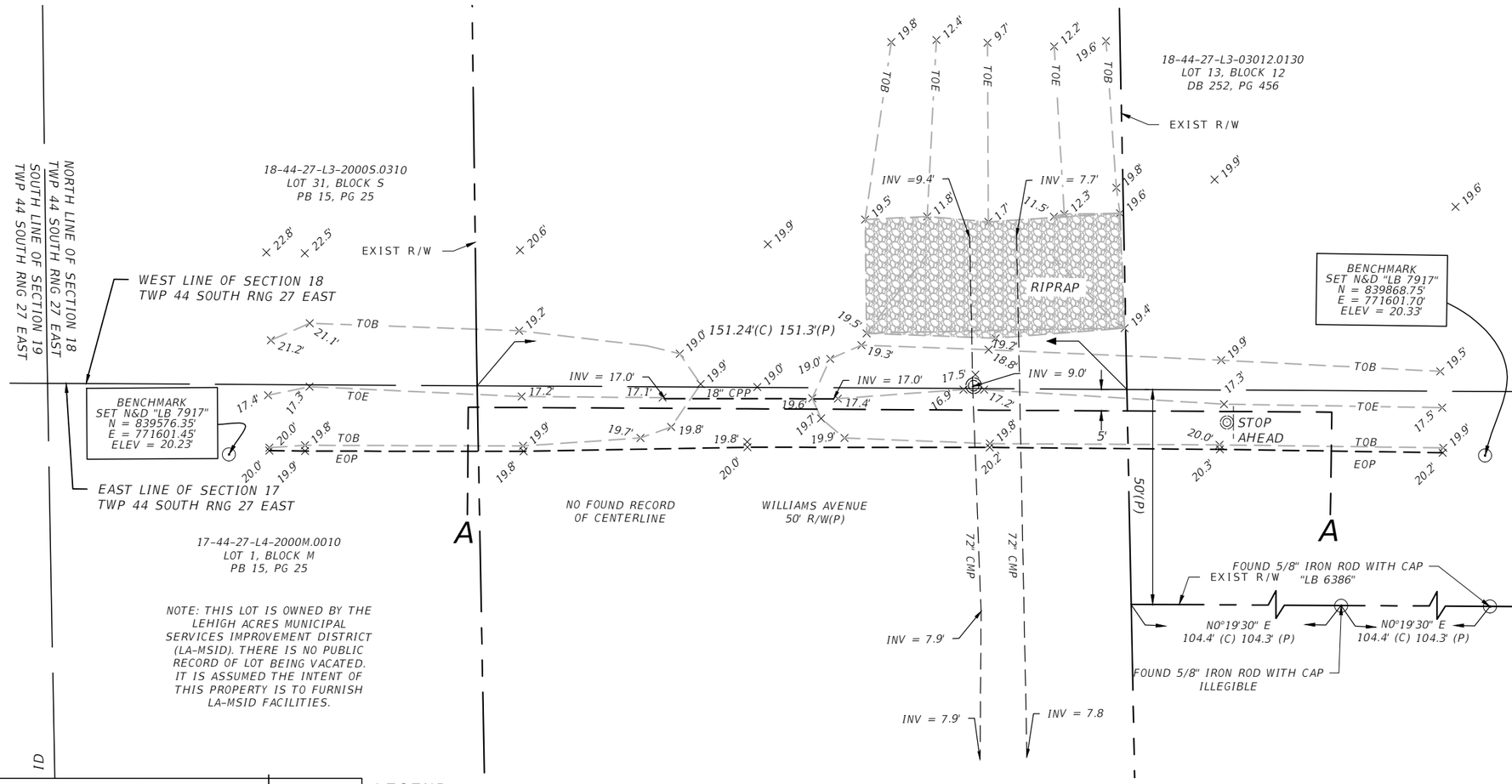
SHEET TITLE:	TYPICALS
PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_018_FDH_011
DESCRIPTION:	WEST BAKER CANAL
DRAWING NAME:	LE1_018_FDH_011 - LEHIGH ACRES_LEE COUNTY_FLORIDA - WEST BAKER CANAL
SHEET:	12 OF 12

Topographic Survey of a Subject Project Site

lying within

Sections 17 & 18, Township 44 South, Range 27 East

Lehigh Acres, Lee County, Florida



NOTES:

Survey based on the Plat of Section 17 as recorded in Plat Book 15 Page 20 and Plat of Section 18 as recorded in Plat Book 15 Page 22, Public Records of Lee County, Florida and existing monumentation.

This survey is a Topographic Survey for the purpose of locating the features within and adjacent to the Lehigh Acres Municipal Services Improvement District-managed facility West of Williams Avenue between West 12th Street and West 13th Street.

The elevations shown hereon are referenced to the North American Vertical Datum of 1988 (NAVD 1988). All elevations are reported in US survey feet and decimals thereof and are based upon the Florida Permanent Reference Network (FPRN) stations maintained by the Florida Department of Transportation.

The subject site lies within Zone "X" per FEMA insurance rate map 125124 0319F (Published 08/28/2008), therefore has no base flood elevation.

The FEMA flood zone information indicated hereon is based on the maps supplied by the Federal Government. This flood information must be verified with all permitting regulatory entities prior to commencing any work or application dependent on said flood information.

Underground improvements, utilities and/or foundations were not located unless otherwise noted. Wetlands, if any, were not located.

Subject to easements, restrictions, reservations, and rights-of-way (recorded and unrecorded, written and unwritten).

Last day of field work: 02/03/2026

TAYLOR J. HENNINGE
License Number
7279
STATE OF FLORIDA
Professional Surveyor and Mapper

Taylor Henninge 2026.04.07 11:42:34-04'00'

TAYLOR J. HENNINGE
PROFESSIONAL SURVEYOR AND MAPPER
FLORIDA CERTIFICATE NO. LS# 7279

Not valid without the signature and the original seal of a Florida licensed surveyor and mapper.

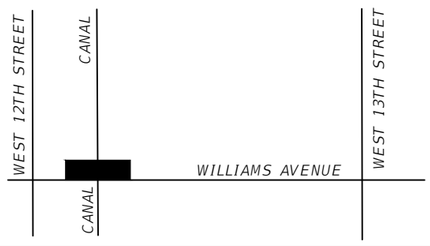
This survey is only for the lands as described. It is not a certificate of title, zoning, easements or freedom of encumbrances.

This survey was prepared without benefit of an abstract of title and all matters of title should be referred to an attorney at law.

This survey has been electronically signed and sealed by Taylor J. Henninge using a digital signature and date. Print copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Williams Avenue, Lehigh Acres

Location sketch
(Not to scale)



LEGEND:

(P)	= PER PLAT	N&D	= NAIL AND DISK
(F)	= FIELD MEASURED	NAVD 88	= NORTH AMERICAN VERTICAL DATUM 1988
CB	= CATCH BASIN	OR	= OFFICIAL RECORDS BOOK
Δ	= DELTA ANGLE	PB	= PLAT BOOK
℄	= CENTER LINE	PG	= PAGE
CONC	= CONCRETE	R/W	= RIGHT OF WAY
CMP	= CORRUGATED METAL PIPE	RCP	= REINFORCED CONCRETE PIPE
CPP	= CORRUGATED PLASTIC PIPE	RNG	= RANGE
DUE	= DRAINAGE AND UTILITY EASEMENT	S/W	= SIDEWALK
ELEV	= ELEVATION	SEC	= SECTION
EOP	= EDGE OF PAVEMENT	TOB	= TOP OF BANK
EXIST	= EXISTING	TOE	= TOE OF SLOPE
FIRC	= FOUND IRON ROD AND CAP	TWP	= TOWNSHIP
INST#	= INSTRUMENT NUMBER	(TYP)	= TYPICAL
INV	= INVERT ELEVATION		

⊙	= FOUND MONUMENT
OE	= OVERHEAD UTILITY LINE
+20.0'	= SPOT ELEVATION
[ ]	= WIRE PULL BOX
	= SINGLE SUPPORT SIGN
	= MANHOLE STORM WATER

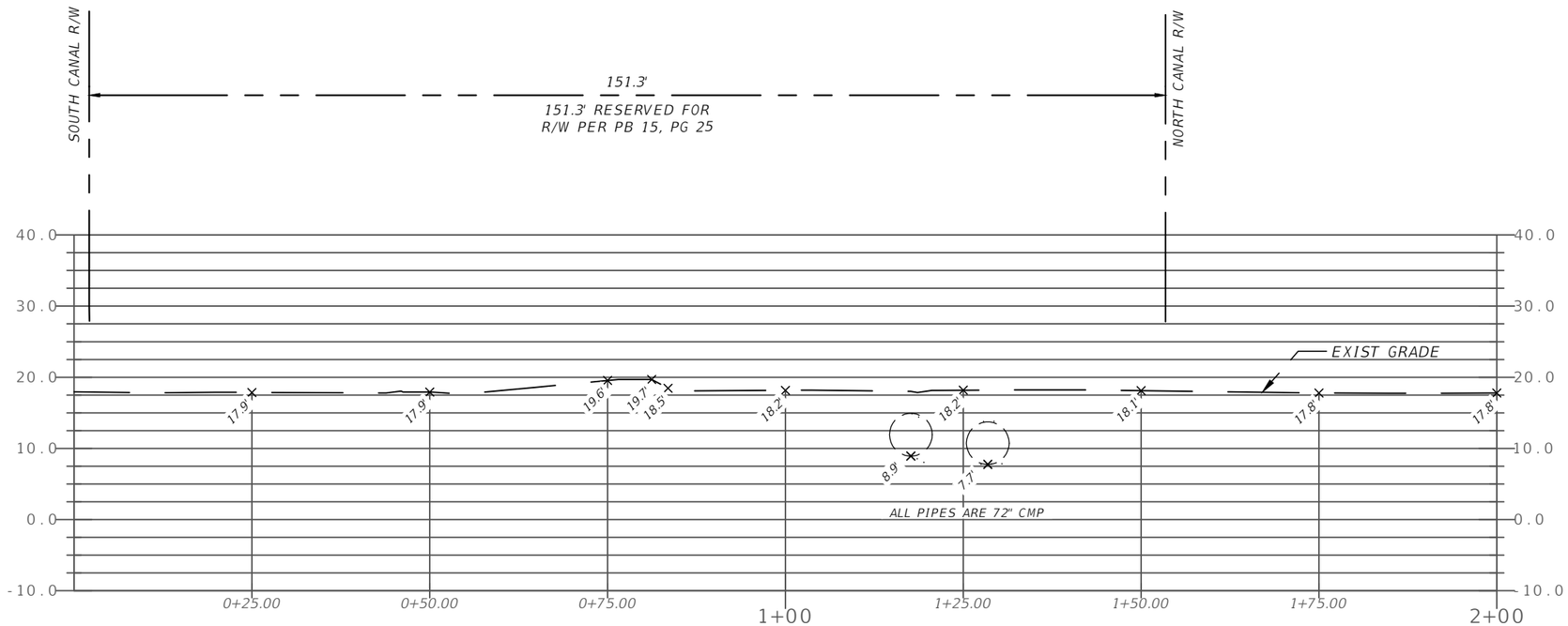
TOPOGRAPHIC SURVEY - PLAN VIEW

McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name: L092-1200 Williams Ave.dwg	Field book/page: 106981/41	Project No.: 106980001-L090	
Survey date: 02/03/2026	Drawn by: KB	Checked by: TJH	Sheet No.: 01 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L092-1200 WILLIAMS AVE\L092-1200 Williams Ave.dwg

Topographic Survey of a
Subject Project Site
Sections 17 & 18, Township 44 South, Range 27 East
Lehigh Acres, Lee County, Florida



A-A Profile View
1" = 20' HORIZONTAL
1" = 20' VERTICAL

SEE SHEET 01 FOR LEGEND

Williams Avenue, Lehigh Acres

TOPOGRAPHIC SURVEY-PROFILE VIEW

McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name:	Field book/page:	Project No.:
L092-1200 Williams Ave.dwg	106981/41	106980001-L090

Survey date:	Drawn by:	Checked by:	Sheet No.:
02/03/2026	KB	TJH	02 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L092-1200 WILLIAMS AVE\L092-1200 Williams Ave.dwg

NOTE:

1. This Index applies to Two-Lane, Two-Way and Multilane Roadways, including Medians of divided roadways, with work on the shoulder.

2. L = Taper Length
   X = Work Zone Sign Spacing
   B = Buffer Length
   See Index 102-600 for "L", "X", "B", and channelizing device spacing values.

3. Where work activities are between 2' and 15' from the edge of traveled way, the Engineer may omit signs and channelizing devices for work operations 60 minutes or less.

4. When four or more work vehicles enter the through traffic lanes in a one hour period (excluding establishing and terminating the work area), use a flagger or lane closure to accommodate work vehicle ingress and egress.

5. For work less than 2' from the traveled way and work zone speed is greater than 45 MPH, use a lane closure.

6. The "Speeding Fines Doubled When Workers Present" signs (M0T-13-06) and "End Road Work" Signs (G20-2) along with the associated work zone sign spacing distances may be omitted when the work operation is in place for 24 hours or less.

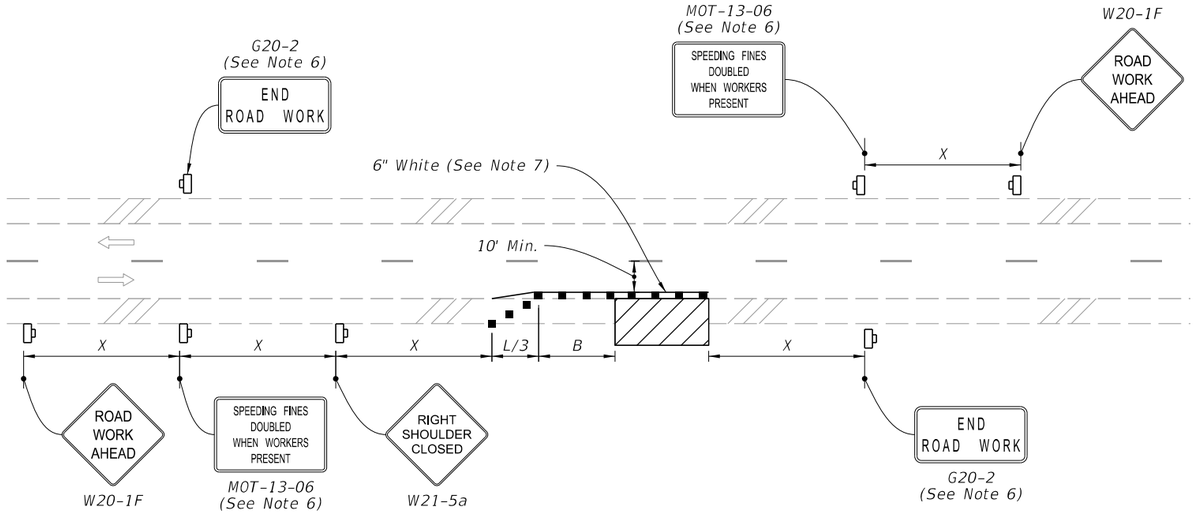
7. Temporary pavement markings may be omitted when the work operation is in place for 3 days or less.

8. Omit "Shoulder Closed" signs (W21-5a) along with associated work zone sign spacing distances for work on the median.

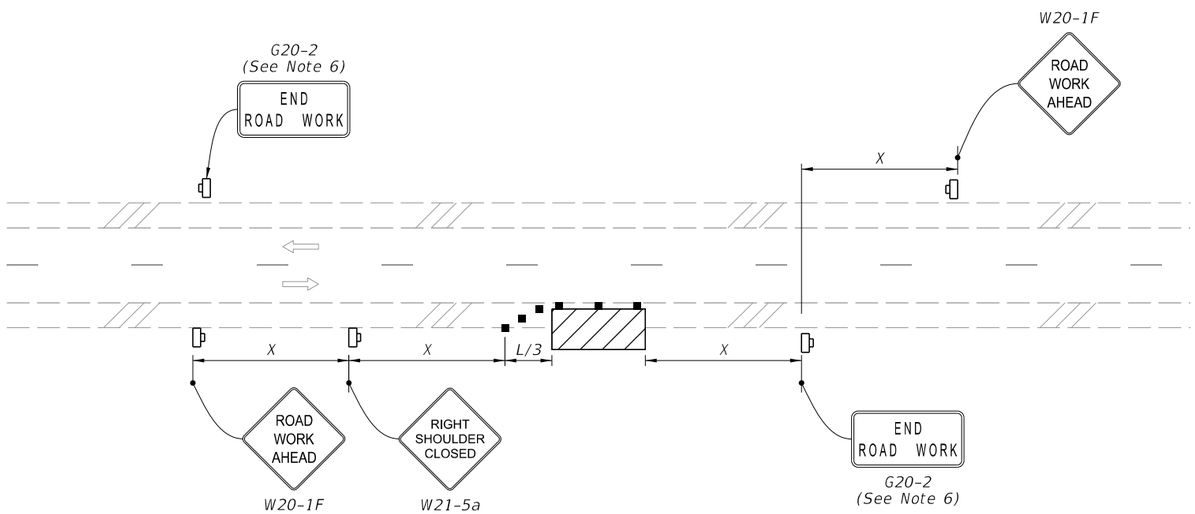
9. When there is no paved shoulder, the "Worker" sign (W21-1) may be used instead of the "Shoulder Closed" sign (W21-5a).

SYMBOLS:

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Lane Identification and Direction of Traffic



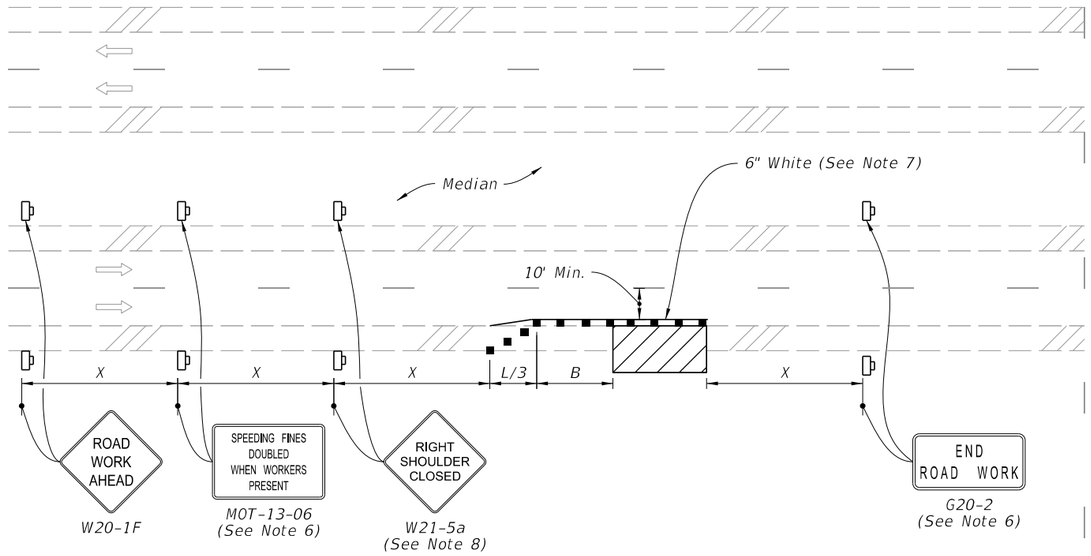
TWO-LANE ROADWAY
SHOULDER WORK LESS THAN 2' FROM THE TRAVELED WAY
WITH WORK ZONE SPEED OF 45 MPH OR LESS



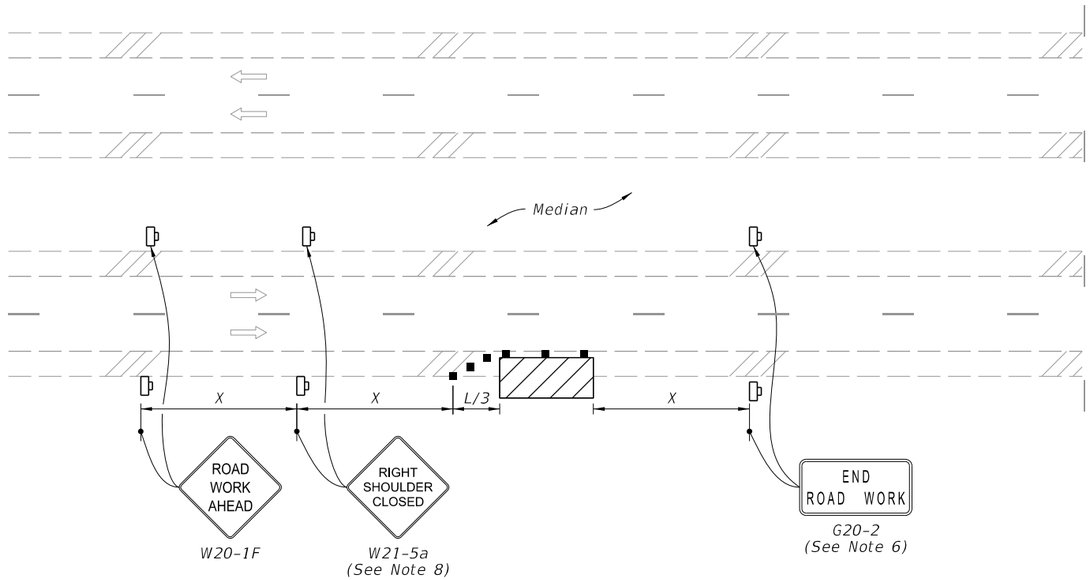
TWO-LANE ROADWAY
SHOULDER WORK BETWEEN 2' AND 15' FROM THE TRAVELED WAY

9/10/2024 10:45:37 AM

LAST REVISION	REVISION	DESCRIPTION:			INDEX	SHEET
11/01/21			FY 2025-26 STANDARD PLANS	TWO-LANE AND MULTILANE, WORK ON SHOULDER	102-602	1 of 2



MULTILANE ROADWAY
SHOULDER WORK LESS THAN 2' FROM THE TRAVELED WAY
WITH WORK ZONE SPEED OF 45 MPH OR LESS



SYMBOLS:

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Lane Identification and Direction of Traffic

MULTILANE ROADWAY
SHOULDER WORK BETWEEN 2' AND 15' FROM THE TRAVELED WAY

9/10/2024 10:45:44 AM

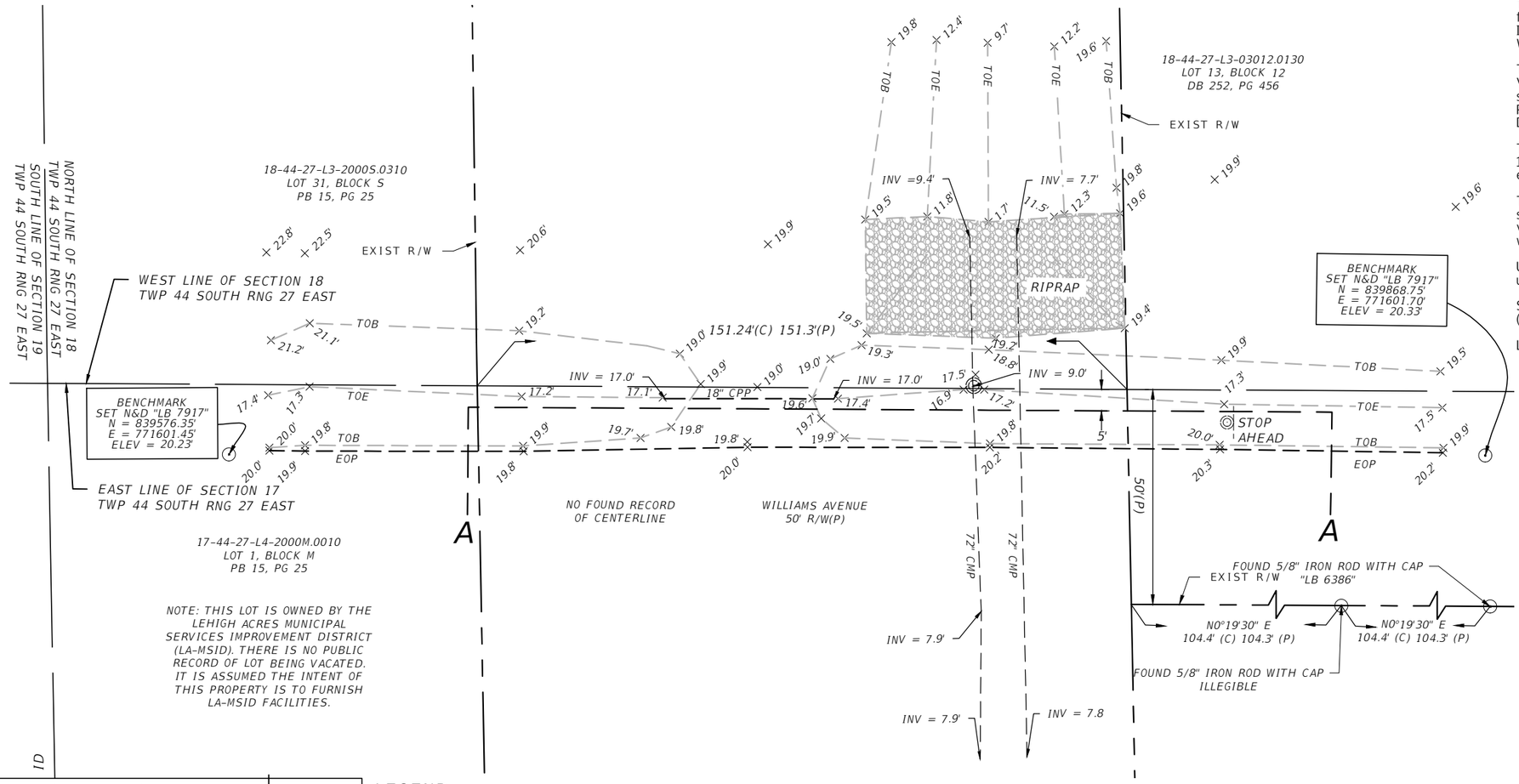
LAST REVISION	REVISION	DESCRIPTION:				
11/01/20			FDOT FY 2025-26 STANDARD PLANS	TWO-LANE AND MULTILANE, WORK ON SHOULDER	INDEX 102-602	SHEET 2 of 2

Topographic Survey of a Subject Project Site

lying within

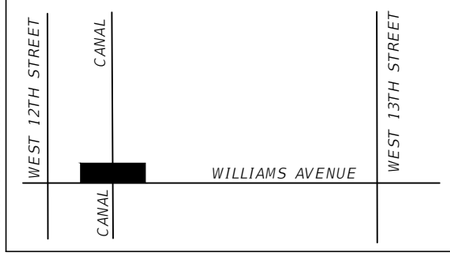
Sections 17 & 18, Township 44 South, Range 27 East

Lehigh Acres, Lee County, Florida



NOTE: THIS LOT IS OWNED BY THE LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT (LA-MSID). THERE IS NO PUBLIC RECORD OF LOT BEING VACATED. IT IS ASSUMED THE INTENT OF THIS PROPERTY IS TO FURNISH LA-MSID FACILITIES.

Location sketch
(Not to scale)



LEGEND:

(P)	= PER PLAT	N&D	= NAIL AND DISK
(F)	= FIELD MEASURED	NAVD 88	= NORTH AMERICAN VERTICAL DATUM 1988
CB	= CATCH BASIN	OR	= OFFICIAL RECORDS BOOK
Δ	= DELTA ANGLE	PB	= PLAT BOOK
℄	= CENTER LINE	PG	= PAGE
CONC	= CONCRETE	R/W	= RIGHT OF WAY
CMP	= CORRUGATED METAL PIPE	RCP	= REINFORCED CONCRETE PIPE
CPP	= CORRUGATED PLASTIC PIPE	RNG	= RANGE
DUE	= DRAINAGE AND UTILITY EASEMENT	S/W	= SIDEWALK
ELEV	= ELEVATION	SEC	= SECTION
EOP	= EDGE OF PAVEMENT	TOB	= TOP OF BANK
EXIST	= EXISTING	TOE	= TOE OF SLOPE
FIRC	= FOUND IRON ROD AND CAP	TWP	= TOWNSHIP
INST#	= INSTRUMENT NUMBER	(TYP)	= TYPICAL
INV	= INVERT ELEVATION		

⊙	= FOUND MONUMENT
OE	= OVERHEAD UTILITY LINE
+20.0'	= SPOT ELEVATION
[ ]	= WIRE PULL BOX
	= SINGLE SUPPORT SIGN
	= MANHOLE STORM WATER

NOTES:

Survey based on the Plat of Section 17 as recorded in Plat Book 15 Page 20 and Plat of Section 18 as recorded in Plat Book 15 Page 22, Public Records of Lee County, Florida and existing monumentation.

This survey is a Topographic Survey for the purpose of locating the features within and adjacent to the Lehigh Acres Municipal Services Improvement District-managed facility West of Williams Avenue between West 12th Street and West 13th Street.

The elevations shown hereon are referenced to the North American Vertical Datum of 1988 (NAVD 1988). All elevations are reported in US survey feet and decimals thereof and are based upon the Florida Permanent Reference Network (FPRN) stations maintained by the Florida Department of Transportation.

The subject site lies within Zone "X" per FEMA insurance rate map 125124 0319F (Published 08/28/2008), therefore has no base flood elevation.

The FEMA flood zone information indicated hereon is based on the maps supplied by the Federal Government. This flood information must be verified with all permitting regulatory entities prior to commencing any work or application dependent on said flood information.

Underground improvements, utilities and/or foundations were not located unless otherwise noted. Wetlands, if any, were not located.

Subject to easements, restrictions, reservations, and rights-of-way (recorded and unrecorded, written and unwritten).

Last day of field work: 02/03/2026

TAYLOR J. HENNINGE
License Number 7279
STATE OF FLORIDA
Professional Surveyor and Mapper

TAYLOR J. HENNINGE
PROFESSIONAL SURVEYOR AND MAPPER
FLORIDA CERTIFICATE NO. LS# 7279

Not valid without the signature and the original seal of a Florida licensed surveyor and mapper.

This survey is only for the lands as described. It is not a certificate of title, zoning, easements or freedom of encumbrances.

This survey was prepared without benefit of an abstract of title and all matters of title should be referred to an attorney at law.

This survey has been electronically signed and sealed by Taylor J. Henninge using a digital signature and date. Print copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Williams Avenue, Lehigh Acres

TOPOGRAPHIC SURVEY-PLAN VIEW

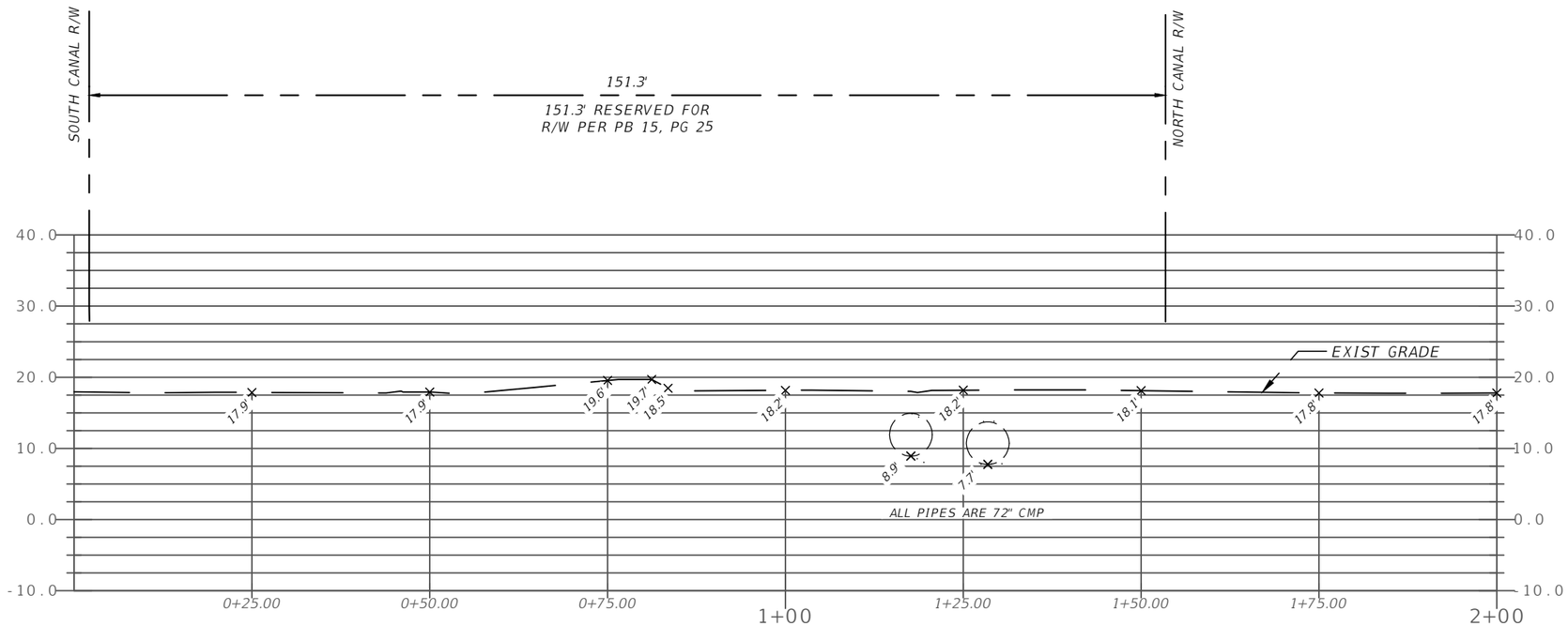
McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name:	Field book/page:	Project No.:
L092-1200 Williams Ave.dwg	106981/41	106980001-L090

Survey date:	Drawn by:	Checked by:	Sheet No.:
02/03/2026	KB	TJH	01 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L092-1200 WILLIAMS AVE\L092-1200 Williams Ave.dwg

Topographic Survey of a
Subject Project Site
Sections 17 & 18, Township 44 South, Range 27 East
Lehigh Acres, Lee County, Florida



A-A Profile View
1" = 20' HORIZONTAL
1" = 20' VERTICAL

SEE SHEET 01 FOR LEGEND

Williams Avenue, Lehigh Acres

TOPOGRAPHIC SURVEY-PROFILE VIEW

McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

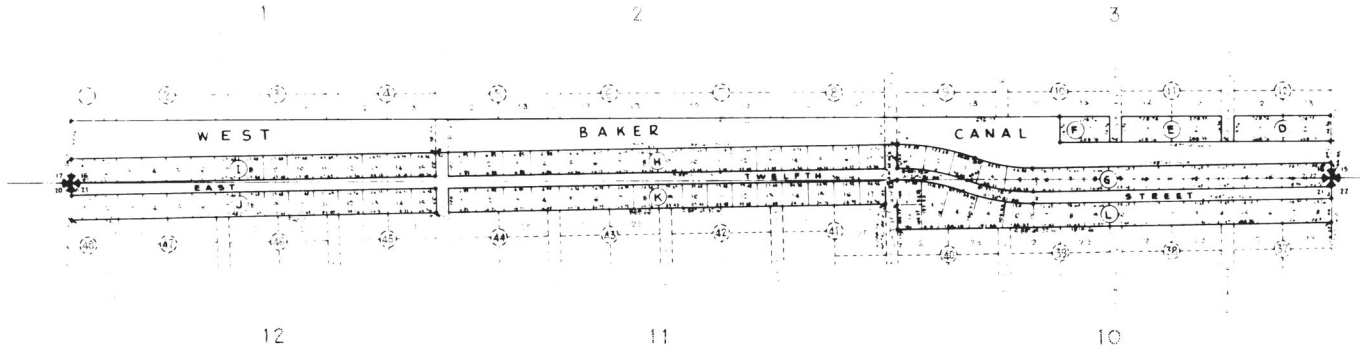
File name:	Field book/page:	Project No.:
L092-1200 Williams Ave.dwg	106981/41	106980001-L090

Survey date:	Drawn by:	Checked by:	Sheet No.:
02/03/2026	KB	TJH	02 OF 02

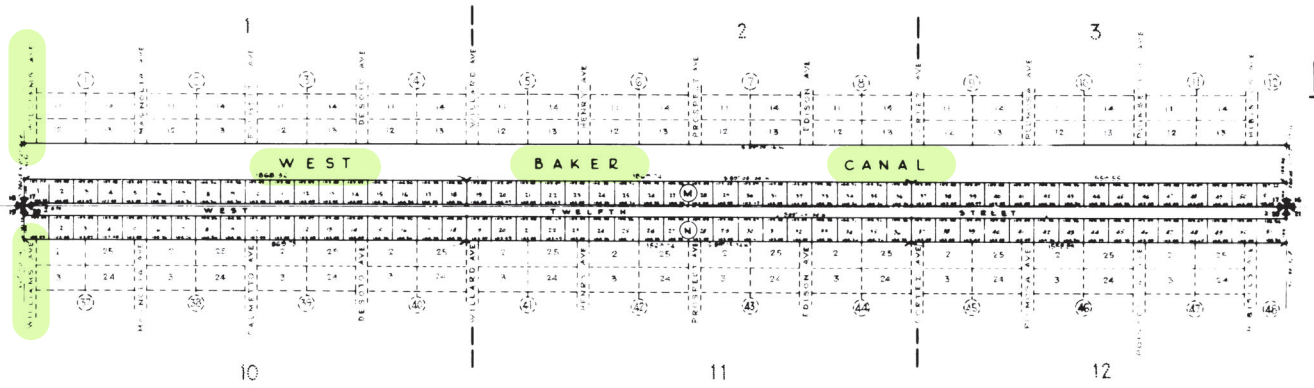
I:\10698\0001\Geomatics\90-WORK ORDERS\L092-1200 WILLIAMS AVE\L092-1200 Williams Ave.dwg

NOTES

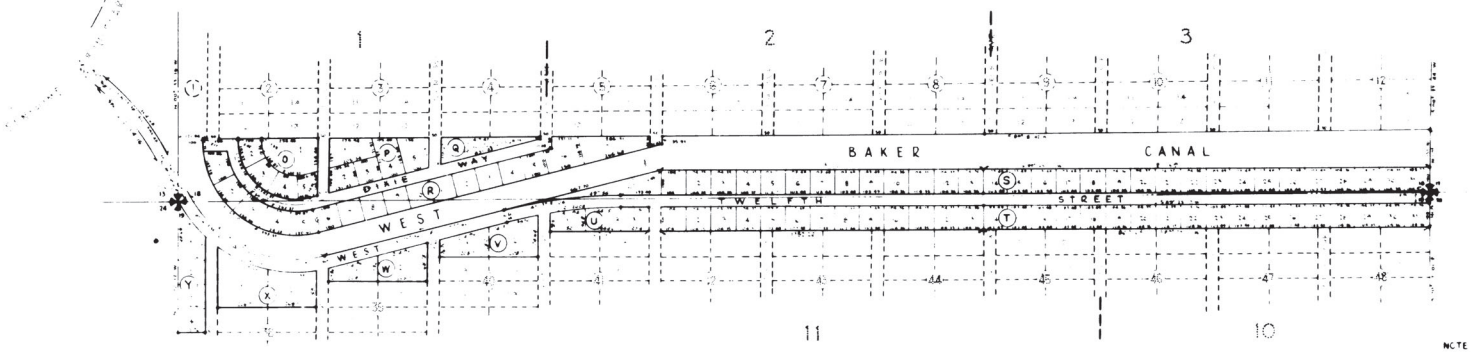
1 TANGENT TO CURVE AT THE INTERSECTION OF BAKER CANAL RIGHT OF WAY AND THE EAST RIGHT OF WAY OF EIGHTH AVENUE HAS A BEARING OF S 88°-45'-32" W.



TWELFTH STREET PARK
BLOCKS D-E-F-G-H-I-J-K&L



TWELFTH STREET PARK
BLOCKS M&N



TWELFTH STREET PARK
BLOCKS O-P-Q-R-S-T-U-V-W-X&Y

TWELFTH STREET PARK

A SUBDIVISION OF

LEHIGH ACRES

LEE COUNTY, FLORIDA

Scale: 0 100 200 300 400

JANUARY 1961

NOTE
DIMENSIONS, BEARINGS, LOT AND LAND LINES ON DRAWING OF LATEST DATE SHALL GOVERN

NOTE
All lots subject to a 6' Utility & Drainage Easement, both sides front and back
Interior P.R.M's are 4"x 4"x 24" concrete
Section corner P.R.M's are 6"x 6"x 36" concrete
• Denotes P.R.M's

PLAT OF

LEHIGH ACRES

LEE COUNTY, FLORIDA

LEE COUNTY LAND AND TITLE COMPANY

DEVELOPERS

ACKNOWLEDGEMENTS

KNOW ALL MEN BY THESE PRESENTS, THAT LEE COUNTY LAND AND TITLE COMPANY, A CORPORATION UNDER THE LAWS OF FLORIDA, BEING THE OWNER OF THE LAND DESCRIBED IN THE CAPTION HEREON HAS CAUSED THIS PLAT OF LEHIGH ACRES TO BE MADE AND DO HEREBY DEDICATE TO THE PERPETUAL USE OF THE PUBLIC STREETS, ROADS, DRIVES AND/OR LANES SHOWN HEREON AND ALL CANAL RIGHT OF WAYS SHALL BE DEDICATED TO THE EAST COUNTY WATER CONTROL DISTRICT.

IN WITNESS WHEREOF GERALD H. GOULD AND EDWARD SHAPIRO, RESPECTIVELY PRESIDENT AND SECRETARY OF LEE COUNTY LAND AND TITLE COMPANY, BY AND WITH AUTHORITY OF IT'S BOARD OF DIRECTORS HAVE EXECUTED THESE PRESENTS FOR AND ON BEHALF OF SAID CORPORATION AND CAUSED IT'S CORPORATE SEAL TO BE AFFIXED THIS 10th DAY OF April A.D. 1961

LEE COUNTY LAND AND TITLE CO.

BY Gerald H. Gould
President

ATTEST Edward Shapiro
Secretary

STATE OF FLORIDA
COUNTY OF LEE

I HEREBY CERTIFY THAT ON THIS DAY, BEFORE ME AN OFFICER DULY AUTHORIZED TO TAKE ACKNOWLEDGEMENTS, PERSONALLY APPEARED GERALD H. GOULD AND EDWARD SHAPIRO, RESPECTIVELY PRESIDENT AND SECRETARY OF LEE COUNTY LAND AND TITLE COMPANY, TO ME KNOWN TO BE THE PERSONS DESCRIBED IN AND WHO EXECUTED THE FOREGOING DEDICATION AS PRESIDENT AND SECRETARY RESPECTIVELY OF LEE COUNTY LAND AND TITLE COMPANY FOR THE PURPOSES THEREIN SET FORTH.

WITNESS MY HAND AND OFFICIAL SEAL AT FORT MYERS, SAID COUNTY AND STATE THIS 10th DAY OF April A.D 1961

Jean Welchler
NOTARY PUBLIC STATE OF FLORIDA AT LARGE
My Commission Expires July 19, 1964

APPROVALS

THIS PLAT APPROVED THIS 12 DAY OF April A.D. 1961 IN OPEN MEETING OF THE BOARD OF COUNTY COMMISSIONERS OF LEE COUNTY, FLORIDA.

APPROVED Gloria S. Hunter
Chairman

D. L. Farahee
Clerk

County Attorney

Stacy Bruce
County Road Superintendent

260798

I HEREBY CERTIFY THAT THIS PLAT OF LEHIGH ACRES, HAS BEEN EXAMINED BY ME AND FROM MY EXAMINATION I FIND THAT SAID PLAT COMPLIES IN FORM WITH THE REQUIREMENTS OF SURVEY LAWS OF FLORIDA.

I FURTHER CERTIFY THAT SAID PLAT WAS FILED FOR RECORD AT FORT MYERS THIS 13 DAY OF April A.D. 1961, AND DULY RECORDED IN PLAT BOOK 15 ON PAGES 1-101 OF PUBLIC RECORDS OF LEE COUNTY, FLORIDA.

D. L. Farahee
Clerk Of The Circuit Court In And For Lee County

SURVEYORS CERTIFICATE

I THE UNDERSIGNED CERTIFY THAT THE PLAT AS SHOWN IS A CORRECT REPRESENTATION OF THE LANDS PLATTED.

R. V. Jamme

PLAT OF

LEHIGH ACRES

LEE COUNTY, FLORIDA

LEE COUNTY LAND AND TITLE COMPANY

DEVELOPERS

DESCRIPTION

TOWNSHIP 43 SOUTH, RANGE 27 EAST

The Southeast 1/4 of Section 36

TOWNSHIP 44 SOUTH, RANGE 27 EAST

The South 1/2 and the North 1/2 of the North 1/2 of Section 1; the East 1/2 and the East 1/2 of the Northwest 1/4 and the Southwest 1/4 of the Northwest 1/4 of Section 2; the South 1/2 of Section 7, 8 and 9; all of Sections 11 through 21 inclusively and all of Sections 23 through 28 inclusively; all of Section 29 except that part lying South of the South Right of Way of Able Canal; all of Sections 35 and 36 inclusively; all of Section 32 except the following: Units 1, 2 and 3 of Section 32 as recorded on pages 124, 125 and 126 of Plat Book 9. Units 4, 5, 7, 10, 11 and 18 of Section 32 as recorded on Pages 50 through 55 inclusively of Plat Book 12. Unit 20 of Section 32 as recorded on Pages 86 through 89 inclusively of Plat Book 10. Part of Unit 3 as recorded on Page 23 of Plat Book 12. Addition to Unit 20 as recorded on Pages 36 and 37 of Plat Book 13 all of the Public Records of Lee County, and all of section 33 except the following: Units 4 and 10 of Section 33 as recorded on Page 52 of Plat Book 12. Unit 5 of Section 33 as recorded on Page 29 of Plat Book 12. Bear Lake Subdivision as recorded on Pages 38 and 39 of Plat Book 13. Replat of Lots 1 through 6, Block 4e, Section 33, Township 44 South, Range 27 East as recorded on Page 84 of Plat Book 12 all of the Public Records of Lee County and that part of Section 34 described as Follows; Beginning at the Northwest Corner of Section 34, Township 44 South, Range 27 East go North 89°-12'-26" East, 1919.76 feet; thence South 00° 06'-48" East, 1468.91 feet; thence South 89°-12'-26" West, 1919.76 feet; thence North 00°-06'-48" West, 1468.91 feet to the Point of beginning; and that part of section 34, Twp. 44 S., Rge 27 E., described as follows: commencing at the Southwest corner of Section 34; thence North 00°-06'-48" West along the West line of said Section 1403.40 feet to the Northerly right of way line of Joel Boulevard; thence North 88°-58'-52" East along said Northerly right of way 15.80 feet to the P.C. of a curve; thence Northeasterly on a tangential curve to the left, with a radius of 676.18 feet, a distance of 400.21 feet, to the P.T. of said curve, thence North 55°-05'-58" East, continuing along said Northerly right of way of Joel Boulevard, 1012.50 feet to the Southwesterly right of way of David Avenue, said point also being the actual point of beginning of the tract of land to be described; thence North 34°-54'-02" West along said southwesterly right of way line 1610 feet; thence North 55°-05'-58" East, a distance of 200 feet; thence South 34°-54'-02" East, a distance of 90 feet; thence North 55°-05'-58" East, a distance of 175 feet; thence North 87° 55'-40" East, a distance of 184.45 feet; thence South 34°-54'-02" East, a distance of 185 feet; thence South 55°-05'-58" West, a distance of 280 feet; thence South 34°-54'-02" East, a distance of 375 feet; thence South 55°-05'-58" West, a distance of 200 feet; thence South 34°-54'-02" East, a distance of 860 feet; thence South 55°-05'-58" West, a distance of 50 feet, to the actual Point of Beginning; and all of Section 22 lying West of the West right of way line of Gerald Avenue as shown on the Plat of a Subdivision of Part of Lehigh Acres recorded on Pages 50 through 55 inclusively of Plat Book 12 of the Public Records of Lee County, Florida.

TOWNSHIP 44 SOUTH, RANGE 26 EAST

All of Sections 1, 2, 11, 12, 13, 23, 24, 26, 27, 32, 33, 34, 35, and 36; and the South 1/2 of Sections 29 and 30; and the South 100 feet of the North 1/2 of Section 30; and the East 1/2 of Section 14; the South 1/2, and that part of the North 1/2 of Section 28, lying East of Buckingham Road; all of Block E, Lot 1, Block 38 of Buckingham Park, south section as recorded in Plat Book 9, Page 99 of the Public Records of Lee County, Florida, and all that part of Section 22 lying South and West of the southerly right of way of Homestead Road, except Lots 1 through 7 inclusively, Block 37 of Buckingham Park south section as recorded in Plat Book 9, Page 99 of the Public Records of Lee County, Florida; and that part of Section 31, lying North of the Northerly right of way of State Road 82; and all of Section 25 except Units 3 and 6 and Units 11 and 12 as recorded in Plat Book 13, Pages 21, 22 and 23 of the Public Records of Lee County, Florida.

TOWNSHIP 45 SOUTH, RANGE 26 EAST

All of Sections 1, 2, 3 and 12, all of that part of sections 4, 5, 6, 9, 10, 11, 13 and 14 lying North of the Northerly right of way of State Road 82.

PART IV #26-96

Recommended Action

Engineering Review:

By: _____6/16/2026 **Approved _X_ Denied __**

District Field Review:

By: _____ Approved ___ Denied ___

District Manager: _____ Date: _____

Comments:

The referenced permit application submitted by Lumos Fiber of Florida, LLC for a subaqueous crossing West Baker Canal (47-18-2) at 1200 Williams Ave., in Lehigh Acres, has been reviewed and is recommended for approval with the following stipulations:

1. On sheet 7, remove dimensions of 20.7' and 20.9' for plan clarification to avoid construction site mistakes

2. On sheet 11, the culvert crossing detail specifies 24" minimum offset from culvert, should be 120" or 10'. Please revise or remove.

3. Permanent above-ground cable markers must be placed at the canal right-of-way (R/W) line on each side of the crossing.

4. Any disturbed canal R/W must be restored with sod and maintained until fully established. Seeding will not be permitted.

5. Within 30 days of completing the improvements, provide LA-MSID with a copy of the survey record drawings indicating the location and elevation of utilities within the canal R/W.

6. The permittee will be responsible for any necessary repairs, alterations, or relocation of the utility if required for future maintenance or repairs of the canal.

7. Lee County DOT must review and approve any utility work proposed within the County Road R/W.

LEHIGH ACRES - MUNICIPAL SERVICES IMPROVEMENT DISTRICT
PERMIT

THIS PERMIT is granted this 20th day of July, 2026, by Lehigh Acres Municipal Services Improvement District (hereinafter referred to as "DISTRICT"), 601 East County Lane, Lehigh Acres, Florida 33936, to Lumos Fiber of Florida, LLC, 4100 Mendenhall Oaks Parkway, Suite 300, High Point, NC 27265, hereinafter referred to as the "Permittee") as a non-exclusive permit for a directional bore under King Canal (47-12-1), along the east side of Moore Ave., between E. 20th St. & E. 19th St., in Lehigh Acres, FL.

W I T N E S S E T H:

1. In the event the DISTRICT is not the fee title owner of the real property (the "Property") to which this Permit is applicable, the Permittee agrees, prior to commencement, to obtain all necessary consents from the fee title owners of the Property.

2. This Permit does not constitute a waiver of the necessity by the Permittee to obtain such other necessary and appropriate permits required by other governmental bodies or agencies; therefore the Permittee, prior to commencement, is required to obtain any and all other applicable federal, state, and local permits required in connection with Permittee's use of the Property and agrees that at all times it will comply with the requirements of all federal, state and local laws, ordinances, rules and regulations applicable or pertaining to the use of the Property by the Permittee.

3. Permittee understands and agrees that the use of the Property pursuant to this Permit is subordinate to the rights and interests of the DISTRICT and to the extent applicable that of the fee title owner of the Property. Further, Permittee does hereby stipulate that the Permittee is not relying upon any representations whatsoever by the DISTRICT regarding the DISTRICT'S right, title, interest, or ownership as to the Property for which this Permit is applicable.

4. The Permittee, by accepting this permit, specifically agrees to allow authorized District Personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:
    a. Having access to and copying any records that must be kept under the conditions of the permit:
    b. Reviewing the facility, equipment, practices, or operations regulated or required under this permit; and
    c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or District rules.

5. The DISTRICT specifically reserves the right to maintain its facilities located over, under or upon the Property; to make improvements; add additional facilities; maintain, construct or alter its roads; maintain any facilities, devices, or improvements on the Property which aid in or are necessary to the DISTRICT'S operation; and the right to enter upon the Property at all times for such purposes. Permittee understands that in the exercise of such rights and interest, the DISTRICT may require Permittee, at no cost to DISTRICT, to relocate, alter, or remove the Permittee's facilities and equipment or other improvements made by Permittee pursuant to this Permit which interfere with or prevent the DISTRICT, in the DISTRICT'S opinion, from properly and faithfully constructing, improving and maintaining its facilities. If the Permittee should fail to relocate, alter, or remove the Permittee's facilities, equipment or other improvements made by the Permittee pursuant to this Permit within a reasonable time period following receipt of notice from the DISTRICT requesting same, then in that event the DISTRICT shall have the right to enter upon the lands and make such relocation, alterations or removal of the Permittee's facilities, equipment/or other improvements at no cost to DISTRICT.

6. Permittee agrees that it will not use the Property in any manner which interferes with the DISTRICT'S

use of the Property or causes a hazardous condition to exist.

7. The DISTRICT assumes no responsibility for the ownership, operation and/or maintenance of the Permittee's facilities as permitted herein.

8. The Permittee agrees to backfill any excavation it makes within the Property and to repair or replace (i) any below-grade authorized facilities and features located therein, including but not limited to: water, sewer, stormwater or irrigation facilities, structures or appurtenances and (ii) as to at or above-grade facilities and features, this requirement shall only be applicable to grasses and sod, sidewalks, and roadway improvements (the term roadway improvements shall include but not be limited to curbing, roadway base, sub grade and asphaltic or concrete surfaces) which are removed or damaged as a direct result of said excavation. Such repair or replacement shall substantially restore these features to their condition as it existed immediately prior to the event precipitating the excavation.

9. All below-grade Permittee installations, including water and sewer lines, whether sub aqueous or not, together with appurtenant facilities, shall be located underground and have a minimum ground cover of thirty inches (30") below original design profile grade, including District waterways and roadways.

10. All Permittee activity related to sub aqueous utility, water and/or sewer lines, including appurtenant facilities, shall be conducted in such fashion that the primary functional purpose of the canal or lake body facility, specifically flood control, within which the activity is taking place is not adversely affected. More specifically, sub aqueous construction shall conform to the criteria given in the Lehigh Acres Municipal Services Improvement District (Lehigh Acres – MSID) Administrative Policy and Procedures.

11. Permittee shall, at no expense to DISTRICT and within a reasonable time following notice, adjust the positions and elevations of its facilities as may be required in connection with future improvements to, or construction of, works of the DISTRICT.

12. Permittee does hereby indemnify and hold harmless the DISTRICT, its Board of Commissioners, officers, personnel, and it's Engineers against any claims, losses, damages (including consequential), expenses, or legal fees that might arise out or result from the implementation of the proposed project by the Permittee or that may be caused by a failure of DISTRICT facilities or property.

13. The Permittee shall be obligated at the time of submission of its Permit application, to provide a detail of any other existing improvements located over, under, upon or through the Property and the Permittee's accompanying plans and specifications shall clearly indicate how the Permittee will comply with required clearances between the requested permitted activity and existing improvements located over, under and upon the Property, including compliance with other permitted users duly adopted and published standards.

14. Permittee shall reimburse the DISTRICT for its legal, engineering and other expenses incurred as a result of the implementation of the proposed project.

15. If Permittee should violate any of the terms or conditions of the Permit and shall not correct or remedy same within ten (10) days of receiving written notice of said violation from the DISTRICT, then in that event, the DISTRICT may, at its option, revoke, cancel and terminate this Permit.

16. This Permit may not be assigned by the Permittee without the prior written approval of the DISTRICT.

17. Unless otherwise adjusted, modified or terminated as set forth hereinabove, including the Conditions attached hereto, this Permit shall continue in full force and effect so long as Permittee complies with the

terms of this Permit.

18. In any litigation, including breach, enforcement or interpretation arising out of this Permit, the prevailing party to this Permit shall be entitled to recover reasonable attorney's fees, costs and expenses related to said action from the non-prevailing party.

19. That attached hereto are Supplemental Conditions to this Permit which are incorporated herein and made a part hereof.

LEHIGH ACRES – MUNICIPAL SERVICES IMPROVEMENT DISTRICT

BY: _____

NAME TYPED: David E. Lindsay

TITLE: District Manager

SUPPLEMENTAL CONDITIONS TO PERMIT NO. 26-97

A. GENERAL CONDITIONS

1. Notification shall be given by the Permittee to the District Engineer, AIM Engineering, at 239-332-4569 forty-eight (48) hours prior to commencement of the permitted activity. The District Engineer shall establish points of construction, if applicable, which will require inspection by the District Engineer prior to construction of the permitted activity. When the Permittee considers the permitted activity complete, the Permittee shall notify the District Engineer and schedule an on-site final inspection which shall be held in the presence of a representative of the Permittee and the District Engineer.

2. The permitted activity shall be implemented, constructed and/or installed in full accordance with the approved plans and specifications within six (6) full calendar years from the date of permit approval. Deviations from the approved plans or specifications shall be coordinated with and approved by the District Engineer prior to implementation of any such deviation.

3. When working in a District road right-of-way, not more than one-half (½) of the road or street shall be closed and traffic shall be controlled so as to provide for the safety and minimum hindrance to the public. All traffic control operations shall conform to the most current issue of the Florida Department of Transportation publication "Manual on Traffic Controls and safe Practices for Street and Highway Construction, Maintenance and Utility Operations."

4. The District Engineer shall be the final authority as to the quality and quantity of the material and works required to satisfy the terms and conditions of this Permit as they relate to District improvements and facilities.

5. Upon completion of the permitted activity and after its final review and acceptance by the District Engineer THE PERMITTEE SHALL DELIVER TO THE DISTRICT OFFICE ONE COMPLETE SET OF THE FINAL "RECORD DRAWINGS." FAILURE TO PROVIDE THE FINAL RECORD DRAWINGS MAY RESULT IN THE REVOCATION, CANCELLATION AND TERMINATION OF THIS PERMIT.

6. The above Conditions shall be continuing obligations of the Permittee and shall be complied with in the event of any subsequent maintenance, repair, replacement or modification of the permitted improvement.

Stipulations:

1). Permit #26-97 is approved according to the plans submitted May 28th, 2026.

2). The proposed directional bore must maintain a minimum clearance of 10 feet below the bottom elevation of the canal for the entire 92.12' within the canal right of way.

3). Permanent utility markers, (at least 4' high) with the utility companies contact information clearly labeled on it, must be installed at each canal right of way line over top the proposed line.

4). All guy wires, poles, pull boxes, etc. must be located outside of the canal right of way and not interfere with the District's canal maintenance activities.

5). All canal R/W that is disturbed must be restored with sod and maintained until well established (no seeding will be allowed).

6). Boring contractor is not allowed to pump water out of the LAMSID canals for their boring operations unless they apply for and receive a water use permit from LAMSID.

7). The Permittee will be responsible for any repairs, alterations, or relocation of the utility if required for repairs or maintenance of the canal in the future.

8). Provide LAMSID with a copy of your record drawings and a copy of your bore depth logs showing where your utilities are located within the canal R/W and at what elevation they are located, within 30 days following completion of the improvements.

9). Lee County DOT must review and approve the utility work that is outside of the canal right of way along Moore Ave.

05 - 28 - 26
26 - 97

APPLICATION FOR A PERMIT

*Note: The review of permit applications will be conducted per the Lehigh Acres Municipal Services Improvement District's Administrative Policy and Procedures

AGENT NAME: WILLIAM KIEFER **PHONE #:** (515) 306 - 3403

PROJECT NAME: LE1_001_FDH_06 1923 MOORE AVE - KING CANAL 47-12-1

TOTAL ACREAGE: N/A

Property Address (STRAP associated with this address will be used as the primary STRAP for this project): 1923 MOORE AVE					
Mailing Address:	N/A				
City:	LEHIGH ACRES	**State:**	FLORIDA	**Zip:**	33972

STRAP NUMBERS (*attach additional sheet if necessary*):

12 - 44 - 27 - L1 - 11044 - 0240

Brief description of proposed project:

Application for: DIRECTIONAL BORE 2x1.25" HDPE SDR 11 CONDUIT 92.12'

IN THE LAMSID ROW OF KING CANAL 47-12-1 ALONG MOORE AVE

RECEIVED
JUN 18 2026
LEHIGH ACRES
MUNICIPAL SERVICES
IMPROVEMENT DISTRICT

Is the project proposed to be developed in phases? ☐ Yes ☑ No

Estimated # of Phases:	1
***Permit Fee:**	$2131.80 **(to be verified by staff)**

* See Administrative Policy and Procedures Sections 4.15 – 4.17 for current Permit Fee Amount.

PART II

OWNER/APPLICANT/ DEVELOPER INFORMATION

A.

Name of Applicant	LUMOS FIBER OF FLORIDA, LLC				
Mailing Address:	**Street:**	4100 MENDENHALL OAKS PKWY, SUITE 300			
City:	HIGH POINT	**State:**	NORTH CAROLINA	**Zip:**	27265
Phone No.	**Area Code:** 515	**Number:**	306 - 3403	**Ext.**	
Fax No.	**Area Code:**	**Number:**	-		
E-mail Address:	WILLIAM.KIEFER@LUMOSFIBER.COM				

B. **Relationship of applicant to property*:**
Owner* ☐ **Trustee*** ☐ **Option holder*** ☐ **Lessee*** ☐

Contract Purchaser* ☐ **Other (indicate)*** ☑ UTILITY

C.

Name of Developer:	MILENIUM DIRECTIONAL DRILLING, INC				
Mailing Address:	**Street:**	5395 COGSWELL DR			
WAYNE		**State:**	MI	**Zip:**	48184
	Area Code: (313)	**Number:**	326 - 2333	**Ext.**	
Fax No.	**Area Code:** ( )	**Number:**	-		
E-mail Address:	FELECAND@MILENIUMBORS.COM				

D.

Name of Authorized Agent(s):	CENTILLION SOLUTIONS					
Mailing Address:	Street:	6030 BETHELVIEW RD, SUITE 301				
City:	CUMMING	State:	GEORGIA		Zip:	30040
Phone No.	Area Code:	(480)	Number:	442 - 0562	Ext.	
Fax No.	Area Code:	( )	Number:	-		
E-mail Address:	KYLE.PARKEY@CENTILLIONSOLUTIONS.COM					

E.

Name of Property owner:	N/A					
Mailing Address:	Street:					
City:		State:			Zip:	
Phone No.	Area Code:	( )	Number:	-	Ext.	
Fax No.	Area Code:	( )	Number:	-		
E-mail Address:						

*A disclosure of the name of all persons or entities having an ownership interest in the property is required (attached).

PART III

DISCLOSURE OF OWNERSHIP INTEREST FORM FORM:

__ __ - __ __ - __ __ - __ __ - __ __ __ __ __ - __ __ __ __

PRIMARY STRAP NUMBER:

1. If the property is owned in the fee simple by an **INDIVIDUAL**, tenancy by the entirety, tenancy in common, or joint tenancy, list all parties with an ownership interest as well as the percentage of such interest.

Name and Address	Percentage of Ownership

2. If the property is owned by a **CORPORATION**, list the officers and stockholders and the percentage of stock owned by each.

Name, Address, Office	Percentage of Stock

3. If the property is in the name of a **TRUSTEE**, list the beneficiaries of the trust with percentages of interest.

Name and Address	Percentage of Interest

4. If the property is in the name of a **GENERAL PARTNERSHIP OR LIMITED PARTNERSHIP**, list the names of general and limited partners.

Name and Address	Percentage of Interest

5. If there is a **CONTACT FOR PURCHASE**, whether contingent on this application Or not, and whether a Corporation, Trustee, or Partnership, list the names of the contract purchasers below, including the officers, stockholders, beneficiaries, or partners.

Name and Address	Percentage of Interest

Date of Contract (mm/dd/yy): / /

6. If any contingency clause or contract terms involve additional parties, list all individuals or officers, if a corporation, partnership, or trust.

Name and Address	Percentage of Interest

For any changes of ownership of changes in contracts for purchase subsequent to the date of the application, but prior to the date of final certificate for compliance, a supplemental disclosure of interest must be filed.

The above is a full disclosure of all parties of interest in this application, to the best of my knowledge and belief.

William Kiefer
SIGNATURE OF APPLICANT

WILLIAM KIEFER
PRINTED OR TYPED NAME OF APPLICANT

STATE OF FLORIDA
COUNTY OF LEE

The foregoing instrument was acknowledged before me this 17th day of June (m), 2026 (y), by William Kiefer who is personally know to me or has produced _____ as identification.

Shandie N Bradshaw
SIGNATURE OF NOTARY PUBLIC

Shandie N Bradshaw
PRINTED NAME OF NOTARY PUBL

SHANDIE NICOLE BRADSHAW NOTARY PUBLIC REG. #7132142 MY COMMISSION EXPIRES August 31, 2026 COMMONWEALTH OF VIRGINIA

PART IV

EXPLANATION

All Permit Application sections must be completed and submitted.

Permit Application fees and submittal items (see Part VI) must be submitted with the application.

Any and all work involving the lands and/or facilities of the District shall not commence without a Board approved permit.

All set policies, procedures, technical requirements, and fee schedules can be found and reviewed in the 'Administrative Policy and Procedures Guide'. The Guide is available at the District Office located at 601 East County Lane, Lehigh Acres, FL or online at la-msid.com/.

PART V

PROFESSIONAL CONSULTANT FORM

ATTORNEY

Name:					
Mailing Address:					
City:		State:		Zip:	
Business No.	Area Code: ( )	Number:	-	Ext.	
Other Contact:					

ENGINEER

Name:	MCKIM & CREED				
Mailing Address:	5701 DIVISION DR, STE A				
City:	FORT MYERS	State:	FLORIDA	Zip:	33905
Business No.	Area Code: (239)	Number:	980 - 3384	Ext.	
Other Contact:					

OTHER REPRESENTATIVE/PROFESSIONAL

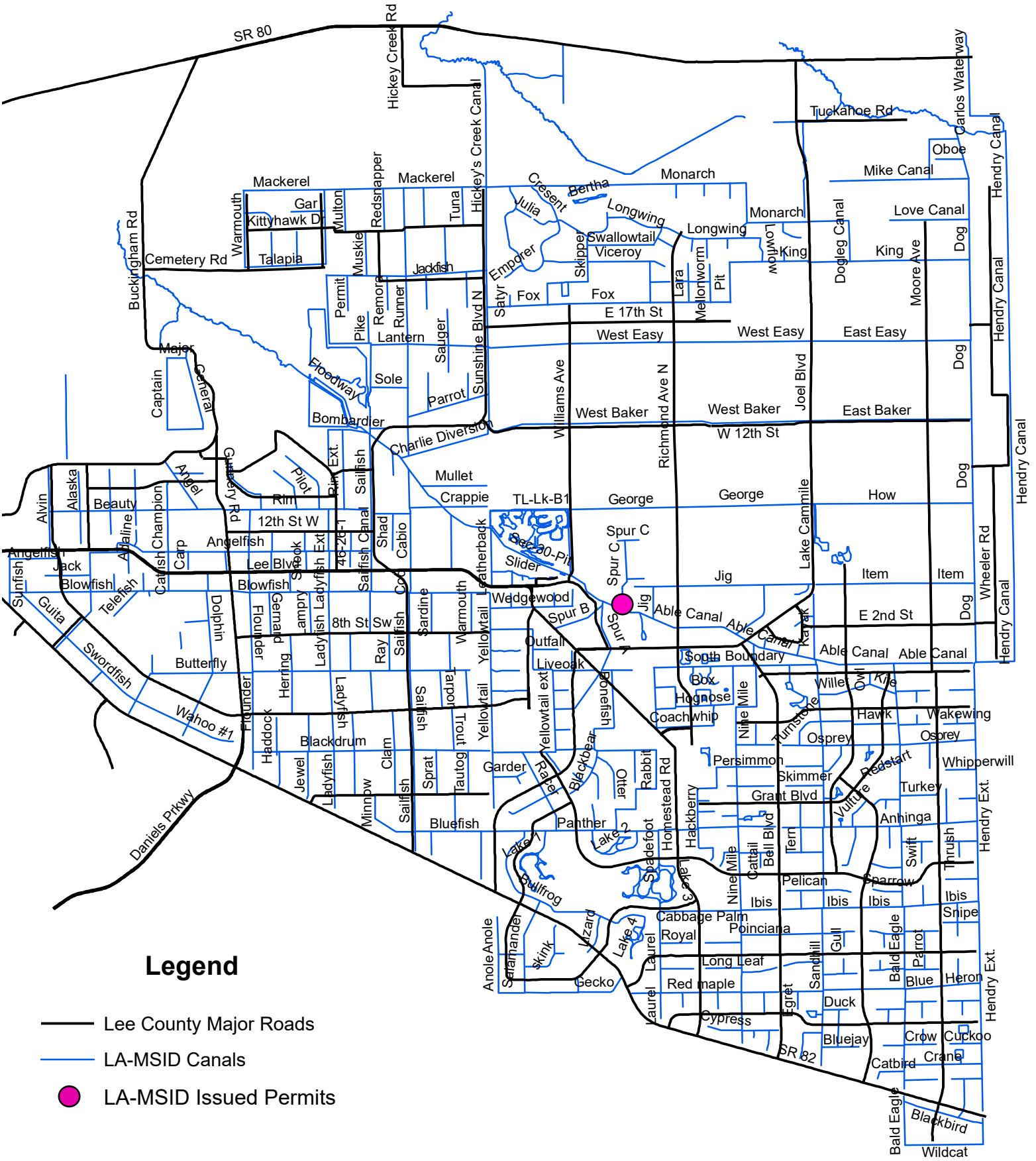
Name:	BLAIR CONSULTING SERVICES, INC				
Mailing Address:	1428 SUNBLUSH LN				
City:	LAS VEGAS	State:	NV	Zip:	89117
Business No.	Area Code: (813)	Number:	579 - 0128	Ext.	
Other Contact:					

PART VI

SUBMITTALS

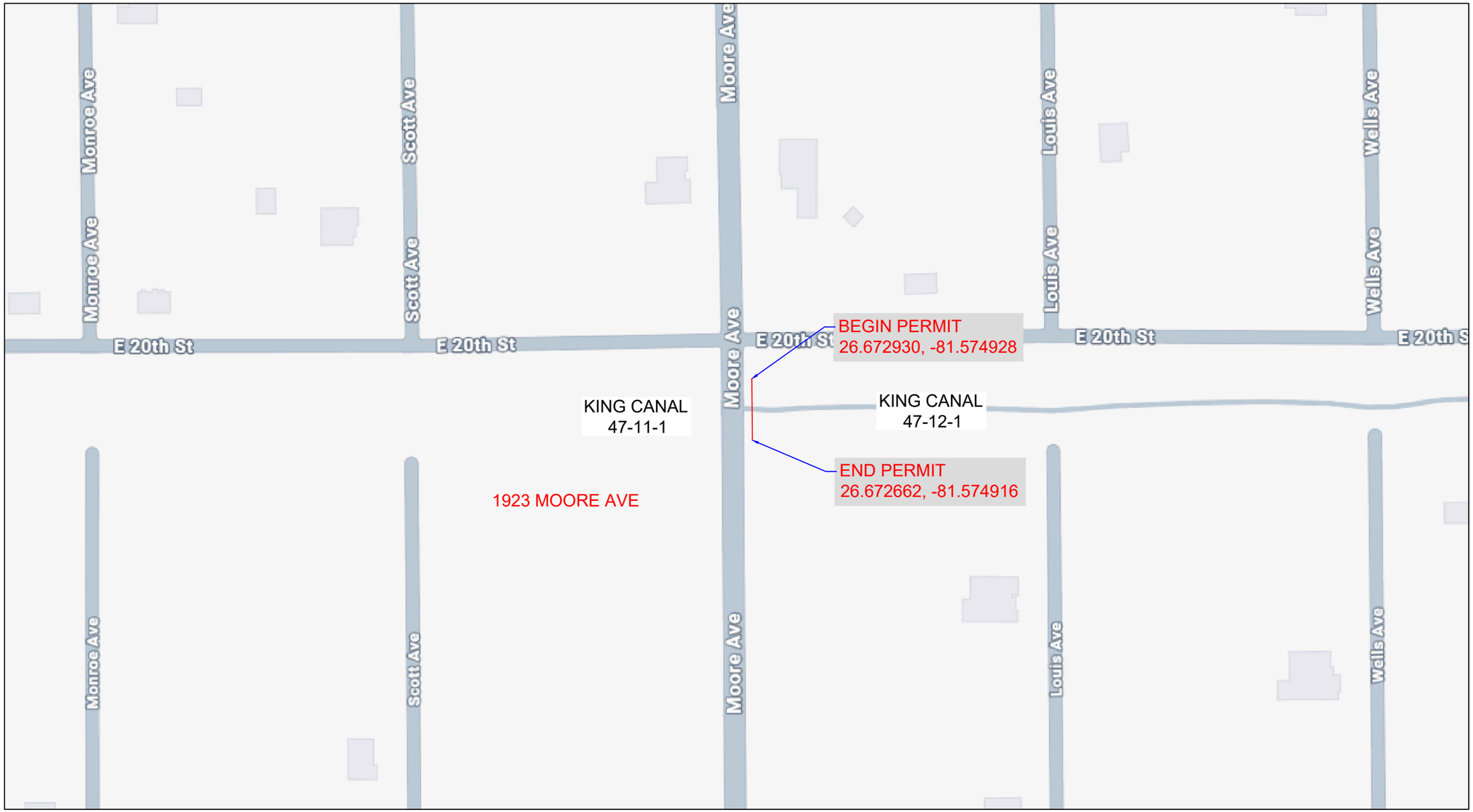
NO. OF COPIES		SUBMITTAL DOCUMENT
SUB'D	REQ'D	
		ITEMS REQUIRED FOR INITIAL SUBMITTAL
2	2	**Construction/Development Plans** signed and sealed by a Licensed Florida Professional Engineer including: 1. Location map showing the location of the proposed project in relation to adjacent streets and LA-MSID facilities. 2. Details of proposed works that fully communicate the work and/or use desired (i.e. Existing Conditions Survey, Proposed Site Plan, Paving Grading & Drainage Plan, Cross Sections, Element Details, and Erosion Control Plan sheets). 3. Sufficient survey data to determine elevations, property and ROW lines, limits of existing and proposed conditions, and notation of utilized vertical datum (NAVD/NGVD).
NA	2	**Stormwater Drainage Calculations** signed and sealed by a Licensed Florida Professional Engineer including, but not limited to, computer stormwater routing modeling data (ICPR4, Cascade, etc.) to verify compliance with the Design Criteria (input summary data below): **Water Quality Volume (Required):** _____(ACRE-FT) **Water Quality Volume (Provided):** _____(ACRE-FT) **Control Elevation:** _____(FT-NGVD) **Minimum Road/Parking Elevation:** _____(FT-NGVD) *(above the 10-year, 1-day design storm peak stage elevation)* **Minimum Perimeter Berm Elevation:** _____(FT-NGVD) *(above the 25-year, 3-day design storm peak stage elevation)* **Minimum Finished Floor Elevation:** _____(FT-NGVD) *(above the 100-year, 3-day design storm peak stage elevation and previously experienced high-water levels external to project)*
2	2	**Flash Drive / CD** containing plans in both AutoCAD (.dwg file drawn in "State Plane Coordinates") and PDF formats.
2	2	**Permit Application** (PARTS I & II)
2	2	**Disclosure of Owner Form (signed and notarized)** (PART III)
2	2	**Professional Consultant Form & Submittals** (PARTS V & VI)
NA	2	**Copy of Approved FDEP Notice of Intent (NOI)** for all sites one (1) acre and greater in size.
NA	2	**Copy of approved SWFMD permit**, for all sites required to get a permit, **or FDEP "10/2 Self-Certification"** approval.
1	1	**Check for appropriate Permit Fees** made out to LA-MSID.

Permit # 2026-92



LE1_001_FDH_06 - LEHIGH ACRES_LEE COUNTY_FLORIDA - KING CANAL

1923 MOORE AVE, LEHIGH ACRES, FL 33972 (26.672825, -81.574935)



PERMIT #:

PROJECT DESCRIPTION

- BURIED PLACEMENT OF 312' OF (2) 1.25" HDPE SDR 11 CONDUIT EQUIPPED WITH (1) 144-CT FIBER OPTIC CABLE. (0) PROPOSED HANDHOLES.
- PIPE TO BE INSTALLED BY MEANS OF HORIZONTAL DIRECTIONAL DRILLING AND HAND DIGGING METHODS.
- ALL AREAS DISTURBED BY INSTALLATION TO BE RESTORED TO EXISTING OR BETTER CONDITION.

DRAWING INDEX

SHEET NUMBER	SHEET TITLE	SHEET NUMBER	SHEET TITLE
1	COVER SHEET	7	PROFILE VIEW
2	SOW AND CONTACTS	8 - 9	IMAGES
3	LEGEND	10 - 12	TYPICALS
4 - 5	GENERAL NOTES		
6	PROJECT SHEETS		

PERMITTING AGENCY

LA - MSID

lumos

BLAIR CONSULTING SERVICES, Inc.

1428 SUNBLUSH LN
LAS VEGAS, NV 89117

811 Know what's below. Call before you dig.

Blair Consulting Services, INC
1428 Sunblush Ln, Las Vegas, NV 89117
Fabio Perassi - Project Manager
fsperassi@gmail.com

LUMOS
William Kiefer - OSP Project Engineer
william.kiefer@lumosfiber.com
Phone: (515) 306-3403

Jason Bush - Construction Manager
jason.bush@lumosfiber.com
Phone: (941)812-2913

EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND BASED ON AVAILABLE RECORDS AND FIELD OBSERVATIONS. CONTRACTOR IS RESPONSIBLE FOR CALLING 811 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES AND ANY DAMAGE TO THE UTILITIES SHALL BE IMMEDIATELY REPAIRED AT THE CONTRACTOR'S EXPENSE.

REVISION DATA

NO.	DESCRIPTION	BY	DATE
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SHEET TITLE:	COVER SHEET
PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_001_FDH_06
DESCRIPTION:	KING CANAL
DRAWING NAME:	LE1_001_FDH_06 - LEHIGH ACRES_LEE COUNTY_FLORIDA - KING CANAL
SHEET:	1 OF 12

SCOPE OF WORK

- BURIED PLACEMENT OF 312' OF (2) 1.25" HDPE SDR 11 CONDUIT EQUIPPED WITH (1) 144-CT MICROFIBER OPTIC CABLE. (0) PROPOSED HANDHOLES.
- PIPE TO BE INSTALLED BY MEANS OF HORIZONTAL DIRECTIONAL DRILLING AND HAND DIGGING METHODS.
- ALL AREAS DISTURBED BY INSTALLATION TO BE RESTORED TO EXISTING OR BETTER CONDITION.

UTILITY OWNER CONTACTS

LUMOS
William Kiefer - OSP Project Engineer
William.kiefer@lumosfiber.com
Phone: (515) 306-3403

Jason Bush - Construction Manager
jason.bush@lumosfiber.com
Phone: (941)812-2913

ENGINEERING COMPANY

Blair Consulting Services, INC
1428 Sunblush Ln,
Las Vegas, NV 89117

PROJECT MANAGER
Fabio Perassi
813-579-0128
fsperassi@gmail.com

UTILITIES CONTACTS

CENTURYLINK
BILL MCCLOUD
(850) 815-3144

LEE COUNTY ELECTRIC CO-OP
TOM BAILEY
(239) 656-2414

LUMOS FIBER OF FLORIDA, LLC
MARLON BROWN - SR DIRECTOR
MARLON.BROWN@LUMOSFIBER.COM
(540) 278-0304

FLORIDA GOVERNMENTAL UTILITIES AUTHORITY - LEHIGH
POTABLE WATER/SANITARY SEWER
LINA MARIA QUINTERO, PE
(727) 858-2396

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT
MICHAEL COOK
(239) 368-0044 Ext. 16
MCOOK@LA-MSID.COM
STORM WATER/CANALS

LEE COUNTY DEPARTMENT OF TRANSPORTATION (DOT)
COMMERCIAL RIGHT OF WAY USE PERMIT
(239) 533-8580
ROADS

FDOT
DISTRICT 1 - COUNTIES: CHARLOTTE, COLLIER, DESOTO, GLADES, HARDEE, HENDRY, HIGHLANDS, LEE, MANATEE, OKEECHOBEE, POLK, SARASOTA
801 N. BROADWAY AVENUE
BARTOW, FLORIDA 33830
PHONE: (800) 292-3368
PHONE: (239) 225-1900

PERMITTING AGENCY
LA - MSID

lumos

BLAIR CONSULTING SERVICES, Inc.

1428 SUNBLUSH LN
LAS VEGAS, NV 89117

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REVISION DATA

NO.	DESCRIPTION	BY	DATE
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SHEET TITLE: SOW & CONTACTS

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_001_FDH_06
DESCRIPTION:	KING CANAL
DRAWING NAME:	LE1_001_FDH_06 - LEHIGH ACRES_LEE COUNTY_FLORIDA - KING CANAL
SHEET:	2 OF 12

LINETYPES

- UG FIBER – EXISTING
- UG FIBER – PROPOSED
- AERIAL FIBER – EXISTING
- AERIAL FIBER – PROPOSED
- COMMUNICATION (COM)
- RECLAIM WATER (RCW)
- DITCH
- GUARDRAIL
- ROAD CENTERLINE
- EASEMENT (ESMT)
- GAS (G)
- WATER (W)
- TELEPHONE (T)
- ELECTRIC (E)
- SANITARY SEWER (SEW)
- STORM DRAIN (SD)
- FENCE (X)
- CABLE TV (TV)
- STEAM (STM)
- OIL (OIL)
- UNKNOWN UTILITY (UNK)
- RIGHT OF WAY (R/W)
- EDGE OF PAVEMENT (EOP)
- SIDEWALK (S/W)

SYMBOL	DESCRIPTION
BP	BORE PIT
EOP	EDGE OF PAVEMENT
EOTW	EDGE OF TRAVEL WAY
FOC	FIBER OPTIC CABLE
HDPE	HIGH DENSITY POLYETHYLENE
HH	HANDHOLE
JB	JUNCTION BOX
MH	MANHOLE
MP	MILE POST
O/S	OFFSET
PVC	POLY VINYL CHLORIDE
RGS	RIGID GALVANIZED STEEL CONDUIT
ROW	RIGHT OF WAY
S/W	SIDEWALK
STA.	STATION

- CB — CABINET
- P — PEDESTAL
- E — ELECTRIC
- EM — ELECTRIC METER
- MH — MANHOLE
- R — RISER
- T — TELEPHONE
- P — POWER VAULT
- CATCH BASIN/INLET
- FIRE HYDRANT
- GROUND/BOND
- STREET LIGHT
- TREE
- CULVERT
- WING WALL
- BRIDGE
- U — MISC. UTILITY
- UTILITY POLE – EXISTING
- OWNER ID — POLE – PROPOSED
- HH — HANDHOLE – EXISTING
- HH — HANDHOLE – PROPOSED
- PD — PEDESTAL – PROPOSED
- MKR — PROMARK DOME MARKER POST
- BORE PIT – PROPOSED

- 0' — AERIAL STORAGE – EXISTING
- 0' — AERIAL STORAGE – PROPOSED
- 0' — VAULT/BUILDING STORAGE – EXISTING
- 0' — VAULT/BUILDING STORAGE – PROPOSED
- POLE ANCHOR/DOWN GUY – EXISTING
- POLE ANCHOR/DOWN GUY – PROPOSED
- PROPOSED DOWN GUY ON EXISTING ANCHOR
- FDP / NAME / SIZE / LOCATION — TERMINATION – EXISTING
- FDP / NAME / SIZE / LOCATION — TERMINATION – PROPOSED
- BUILDING / NAME / STREET — BUILDING CALLOUT – PROPOSED
- MANUFACTURER NAME — SPLICE POINT – EXISTING
- MANUFACTURER NAME — SPLICE POINT – PROPOSED

#F	
	IN: 0
	OUT: 0

SEQUENTIAL CALLOUT

#F	
	IN: 0
	TAIL: 0

SEQUENTIAL IN TAIL CALLOUT

#F	
	TAIL: 0
	OUT: 0

SEQUENTIAL TAIL OUT CALLOUT

POLE NO	N/A
UTILITY1	0'-0"

POLE ATTACHMENT CALLOUT – EXISTING
USE DYNAMIC PULL DOWN TO SELECT FROM 1 TO 6 ATTACHMENTS

POLE NO	N/A
UTILITY1	0'-0"

POLE ATTACHMENT CALLOUT – PROPOSED
USE DYNAMIC PULL DOWN TO SELECT FROM 1 TO 6 ATTACHMENTS

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BLAIR CONSULTING SERVICES, Inc.
1428 SUNBLUSH LN
LAS VEGAS, NV 89117

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REVISION DATA

NO.	DESCRIPTION	BY	DATE
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SHEET TITLE: LEGEND

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_001_FDH_06
DESCRIPTION:	KING CANAL
DRAWING NAME:	LE1_001_FDH_06 - LEHIGH ACRES_LEE COUNTY_FLORIDA - KING CANAL
SHEET:	3 OF 12

GENERAL NOTES

CONTRACTOR MUST OBTAIN LOCATES PRIOR TO DISTURBING THE GROUND.

CONTRACTOR MUST HAVE A COPY OF THE APPROVED PERMIT FROM THE APPROPRIATE AGENCY ON THE JOBSITE AT ALL TIMES.

ALL CABLE WILL BE PLACED AT A MINIMUM DEPTH OF 36" DEEP UNLESS OTHERWISE DIRECTED BY A REPRESENTATIVE OF THE UTILITY OWNER.

ANY LANDSCAPING WILL BE REPLACED TO EQUAL OR BETTER THAN THAT WHICH EXISTED PRIOR TO WORK, 72 HOURS AFTER COMPLETION OF WORK.

PROJECT SITE WILL BE PROPERLY SECURED PRIOR TO THE END OF EACH DAY.

ALL WORK IS TO BE IN ACCORDANCE WITH ALL AUTHORITIES HAVING JURISDICTION IN THE WORK ZONE.

CONTRACTORS ARE ADVISED TO CONTACT THE PROJECT MANAGER FOR ANY ADDITIONAL INFORMATION OR CLARIFICATION CONCERNING SCOPE OF WORK OR THE REQUIREMENTS NECESSARY FOR PROJECT COMPLETION.

CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY ALL DIMENSIONS, QUANTITIES AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION. IF A SIGNIFICANT CHANGE TO THE RUNNING LINE IS NEEDED, PLEASE CONTACT THE PROJECT MANAGER BEFORE PROCEEDING.

BEFORE CONSTRUCTION BEGINS, CONTRACTOR SHALL TAKE APPROPRIATE PRECAUTIONS TO AVOID ANY POTENTIAL OBSTRUCTIONS PRIOR TO PROCEEDING WITH WORK.

NO CONSTRUCTION ON PRIVATE PROPERTY WILL COMMENCE UNTIL APPROVAL IS GIVEN BY A REPRESENTATIVE OF THE UTILITY OWNER.

CONTRACTOR SHALL NOT PROCEED WITH WORK UNTIL THEY HAVE RECEIVED A PURCHASE ORDER AND HAVE BEEN DIRECTED TO DO SO BY AN AUTHORIZED REPRESENTATIVE OF THE UTILITY OWNER.

CONTRACTOR SHALL NOT EXCEED THE PURCHASE ORDER VALUE WITHOUT AUTHORIZATION IN WRITING FROM THE APPROPRIATE REPRESENTATIVE OF THE UTILITY OWNER.

AS-BUILTS WILL BE REQUIRED FOR EACH PROJECT INCLUDING CABLE FOOTAGE SEQUENTIALS AT EVERY ACCESS POINT, SLACK LOOP, SPLICE LOCATION, POLE AND TERMINATION POINT. CONTRACTOR SHOULD ALSO PROVIDE NOTES OF ALL CHANGES IN DEPTHS, RUNNING LINES, MH/HH LOCATIONS, AND ANY OTHER APPLICABLE NOTES TO DEPICT THE WORK THAT TOOK PLACE. NOTE: ALL MAJOR CHANGES NEED TO BE PRE-APPROVED BY AN AUTHORIZED REPRESENTATIVE OF THE UTILITY COMPANY PRIOR TO STARTING THE WORK.

SITE CONDITIONS

THE ACTUAL LOCATION OF EXISTING CONDUIT AND CABLES MAY VARY FROM THE LOCATION SHOWN. REPAIR OF ANY DAMAGED CONDUIT CONTAINING CABLE SHALL BE MADE BY USE OF PVC SPLIT DUCT. THE CONTRACTOR SHALL ENCLOSE THE EXISTING CABLES IN PVC.

THE LOCATIONS OF EXISTING UTILITIES SHOWN IN THIS PLAN ARE APPROXIMATE. WHEN WORK IS TO BE CONDUCTED IN THE VICINITY OF KNOWN UTILITIES, THEIR ACTUAL LOCATION MUST BE FIELD VERIFIED TO AVOID CONFLICTS OR DAMAGE TO THOSE UTILITIES. VARIATION IN LOCATION BETWEEN "RECORDED POSITIONS" AND ACTUAL POSITIONS SHOULD BE ANTICIPATED.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES. BURIED UTILITIES MAY EXIST IN THE AREA IN ADDITION TO THOSE SHOWN ON THE PLAN. THE CONTRACTOR SHALL CONTACT PROPERTY OWNERS WHEN WORKING WITHIN PRIVATE EASEMENTS FOR LOCATION OF UNDERGROUND TANKS, PIPELINES, DRAIN TILES, OR OTHER BURIED IMPROVEMENTS. THE CONTRACTOR SHALL ALSO NOTIFY THE UTILITY NOTIFICATION CENTER PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITIES.

THE CONTRACTOR MUST ASSUME ALL BURIED UTILITIES ENCOUNTERED ARE ALIVE AND ACTIVE UNLESS SPECIFICALLY INSTRUCTED OTHERWISE BY OWNERS OR OPERATORS OF SAID UTILITIES.

DAMAGE TO SUB-SURFACE STRUCTURES IS THE SOLE RESPONSIBILITY OF THE PLACING CONTRACTOR.

THE CONTRACTOR SHALL PROTECT THE EXISTING TRAFFIC CONTROL LOOPS. IF EXISTING TRAFFIC CONTROL LOOPS ARE DAMAGED DURING CONSTRUCTION, THE ENTIRE LOOP WIRE FROM TERMINAL TO TERMINAL SHALL BE REPLACED IN ACCORDANCE WITH GOVERNING AGENCY STANDARDS AND REGULATIONS AT CONTRACTOR'S EXPENSE.

REMOVAL OF EXISTING ASPHALT PAVEMENT, CONCRETE CURBS, AND CONCRETE SIDEWALKS WILL BE "NEAT LINE" WITH SAW OR PAVEMENT CUTTER, PER REQUIREMENTS AND SPECIFICATIONS OF THE AGENCY OR DEPARTMENT RESPONSIBLE FOR EACH LOCATION. IF CONCRETE PAVEMENT IS ENCOUNTERED WHILE EXCAVATING CONDUIT TRENCHES, THE CONCRETE REMOVAL WILL BE "NEAT LINE" WITH A PAVEMENT SAW.

IF CONCRETE CURB RETURNS AND/OR SIDEWALKS ARE REPLACED DUE TO CONDUIT OR MANHOLE INSTALLATION, THE CONTRACTOR SHALL PLACE APPROVED HANDICAPPED SIDEWALK AND CURB ACCESS RAMPS IN CONFORMANCE WITH THE APPROPRIATE STATE STATUTES.

ALL MATERIALS NECESSARY FOR THE REPAIR OF STREETS, CURBS, SIDEWALKS, SANITARY SEWERS, STORM SEWERS, AND PUBLIC SERVICE UTILITIES, AND THE INSTALLATION OF SUCH MATERIALS SHALL BE IN CONFORMANCE WITH THE REQUIREMENTS AND SPECIFICATIONS OF THE AGENCY OR DEPARTMENT RESPONSIBLE FOR THE OPERATION AND MAINTENANCE OF THE REPAIRED FACILITY.

ALL WORK SHALL CONFORM TO THE SPECIFICATIONS OF THE JURISDICTIONAL PERMIT AGENCY.

ALL OPEN TRENCH WILL BE CLEARLY MARKED WITH BARRICADES OR CONES. STEEL PLATES OR OTHER TYPES OF BRIDGING SHALL BE PROVIDED TO COVER OPEN TRENCH IN THE TRAVEL PORTION OF THE STREETS. THESE PLATES OR BRIDGING SHALL BE ADEQUATE TO SUPPORT THE NORMAL VEHICLE LOADS ANTICIPATED IN THIS AREA AND SHALL BE IN PLACE DURING ALL NON-WORKING AREAS.

ALL SURFACES TO BE RESTORED TO ORIGINAL CONDITION, AND BACKFILL TO BE COMPACTED AS SPECIFIED. TRENCH EXCAVATION IN SURFACES WHICH INCLUDE CONCRETE TREATED BASE SHALL FOLLOW LOCAL AREA SPECIFICATIONS.

HAZARDOUS MATERIALS

THE CONTRACTOR SHALL NOTIFY THE JURISDICTIONAL PERMIT AGENCY IMMEDIATELY IF ANY MATERIALS ARE ENCOUNTERED THAT ARE CONSIDERED HAZARDOUS BY THE EPA, DEQ, OR OSHA. IF POTENTIALLY HAZARDOUS MATERIALS ARE ENCOUNTERED THE CONTRACTOR SHALL SECURE THE SITE AND PREVENT THE ACCIDENTAL EXPOSURE BY THE PUBLIC OR THE CONTRACTOR'S PERSONNEL.

THE CONTRACTOR MAY EXCAVATE UP TO, BUT SHALL NOT DISTURB KNOWN HAZARDOUS MATERIALS SUCH AS ASBESTOS, OILS, ACID, ETC. THE REMOVAL OF ALL HAZARDOUS MATERIALS MUST BE DONE BY AN APPROVED OR CERTIFIED HAZARDOUS MATERIALS CONTRACTOR LICENSED IN THE APPROPRIATE STATE.

A COPY OF ALL CORRESPONDENCE PERTINENT TO THE REMOVAL OF HAZARDOUS MATERIALS SHALL BE TRANSMITTED TO OWNER AND A COPY SHALL BE AVAILABLE AT THE PROJECT OFFICE AND THE JOB SITE.

AERIAL NOTES

- AERIAL CONSTRUCTION TO BE PERFORMED TO INDUSTRY ACCEPTABLE STANDARDS.
- ALL HEIGHTS OF CABLE PLACEMENT WILL BE RECORDED AT TIME OF CONSTRUCTION. DOCUMENT ALL POINTS OF ATTACHMENT.
- ALL EXTENSION ARMS TO BE PLACED WILL BE EPOXY ARMS UNLESS OTHERWISE NOTED OR APPROVED BY THE INSPECTOR.
- BOND STRAND TO POWER MGN WHERE APPLICABLE. ANCHORS TO BE USED WILL BE 3/4 SCREW IN TYPE.
- ALL STRAPS WILL BE PLACED 4" BEFORE AND AFTER EVERY SUPPORTING CLAMP AT A MINIMUM OF 21" APART.
- P.O.A. = POINT OF ATTACHMENT.
- ADD MISSING GROUNDS.
- REPAIR/REPLACE EXISTING LASHING WIRE IF DAMAGED.

CONSTRUCTION STAKING

IN AREAS WHERE THE CONDUIT ALIGNMENT IS NOT CLEARLY DEFINED BY CURB LINES, FENCE LINES, OR OTHER EVIDENCE OF THE RIGHT-OF-WAY, THE ENGINEER WILL PROVIDE CENTERLINE STAKES OR PAINT MARKS WHERE REQUIRED TO MAKE THE PROPOSED CONDUIT ALIGNMENT EVIDENT.

MANHOLE CENTERS WILL BE FIELD STAKED BY THE ENGINEER WHEN REQUESTED WITH OFFSET STAKES AT RIGHT ANGLES (90°) TO THE CONDUIT ALIGNMENT.

CLOSURES IDENTIFIED IN THE PLANS SHALL BE LOCATED BY THE CONTRACTOR. DEVIATION FROM PLAN LAYOUT SHALL BE APPROVED BY THE ENGINEER PRIOR TO CONDUIT AND/OR CLOSURE INSTALLATION.

IF ADDITIONAL, FIELD STAKING OR LOCATION OF CONDUITS, MANHOLES, PROPERTY LINES, ETC., BECOMES NECESSARY, THE CONTRACTOR IS TO NOTIFY THE INSPECTOR OR THE ENGINEER TWO WORKING DAYS PRIOR TO BEGINNING THE WORK.

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REVISION DATA

NO.	DESCRIPTION	BY	DATE
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SHEET TITLE: GENERAL NOTES

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_001_FDH_06
DESCRIPTION:	KING CANAL
DRAWING NAME:	LE1_001_FDH_06 - LEHIGH ACRES_LEE COUNTY_FLORIDA - KING CANAL
SHEET:	4 OF 12

PERMITS - FRANCHISES - EASEMENTS

PHYSICAL WORK SHALL NOT BE STARTED UNTIL THE GOVERNING AGENCY INSPECTOR AND THE CONTRACTOR ARE IN POSSESSION OF AND HAVE CAREFULLY REVIEWED AND FULLY UNDERSTAND ALL CONDITIONS AND SPECIFICATIONS SET FORTH IN THE REQUIRED PERMITS, FRANCHISES, AND/OR EASEMENTS.

PLACING FOREMAN TO HAVE A COPY OF THE PERMITS/EASEMENTS ON SITE AT ALL TIMES.

ANY CONFLICT BETWEEN WORK PRINT SPECIFICATIONS AND SPECIFICATIONS SET FORTH UNDER RELATED PERMITS, FRANCHISES, AND/OR EASEMENTS MUST BE CLEARED BY PROPER COMPANY AUTHORITY BEFORE PROGRESSING WITH WORK INVOLVED

TRAFFIC CONTROL

THIS PROJECT WILL INVOLVE WORKING ALONG A MAJOR ARTERIAL ROAD AND HEAVY TRAFFIC VOLUME SHOULD BE ANTICIPATED.

UNIFORM TRAFFIC FLOW SHALL BE MAINTAINED AT ALL TIMES. ONLY EQUIPMENT AND MATERIALS NECESSARY FOR IMMEDIATELY SCHEDULED OR IN PROGRESS WORK WILL BE MAINTAINED IN THE WORK AREA. ALL OTHER EQUIPMENT AND MATERIALS WILL BE "STORED OR STOCKPILED" IN SUCH A MANNER AS TO ELIMINATE HAZARDOUS CONDITIONS FOR TRAFFIC OR PEDESTRIANS DURING NON-WORKING OR SHUT DOWN PERIODS.

TRAFFIC WARNING DEVICES AND SIGNS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (U.S. GOVERNMENT PRINTING OFFICE) AND TO THE STATE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION. HIGH LEVEL WARNING TYPE DEVICES ARE TO BE USED AT ALL TIMES AND SPECIAL WARNING DEVICES MAY BE STIPULATED BY THE JURISDICTIONAL PERMIT AGENCY AT ANY TIME THE USE WILL ADD TO THE SAFETY AND PROTECTION OF TRAFFIC OR PEDESTRIANS IN THE CONSTRUCTION AREA.

ALL CONDUIT TRENCHING IN PAVED AREAS SHALL BE BACKFILLED WITH CRUSHED GRAVEL OR COMPLETELY COVERED AT THE COMPLETION OF EACH WORKING DAY. ANY BACKFILLED TRENCH SHALL BE CAPPED WITH A MINIMUM LAYER OF ASPHALTIC CONCRETE COLD PATCH AT THE END OF EACH WORKING DAY.

THE CONTRACTOR SHALL MARK THE CONDUIT TRENCH AND DEFINE HIS CONSTRUCTION AREA CLEARLY WITH BARRICADES, CONES, AND/OR OTHER VISIBLE METHODS THAT ALERT THE PUBLIC OF THE CONSTRUCTION ACTIVITY.

A TRAFFIC CONTROL PLAN SHALL BE PREPARED BY THE CONTRACTOR AS REQUIRED AND SUBMITTED TO EACH PERMITTING AGENCY REQUESTING SUCH PLAN FOR REVIEW AND APPROVAL OR REVISION PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITY FOR THIS PROJECT. THE APPROVED PLAN SHALL BE SUBMITTED TO THE AGENCY AND A COPY OF THE PLAN SHALL BE KEPT AT THE CONSTRUCTION SITE AND MUST BE READILY AVAILABLE REVIEW BY THE AGENCY REPRESENTATIVES.

SPECIAL UTILITY CLEARANCES

ALL WORK CONDUCTED ADJACENT TO WATER MAINS SHALL CONFORM TO THE FOLLOWING CONDITIONS:

A. WHEREVER POSSIBLE CONDUIT SHALL MAINTAIN A HORIZONTAL SEPARATION OF 3.0 FEET, MEASURED SURFACE TO SURFACE (OUTSIDE EDGE TO OUTSIDE EDGE), FROM PARALLEL WATER MAINS.

B. WHEREVER POSSIBLE, CONDUIT SHALL PASS UNDER EXISTING WATER MAINS AND MUST MAINTAIN 24" VERTICAL CLEAR SEPARATION. CONDUITS PASSING OVER WATER MAINS MUST ALSO MAINTAIN THE 24" VERTICAL SEPARATION.

C. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING THIS REQUIRED VERTICAL SEPARATION BY EITHER EXPOSING THE WATER MAIN EVERY 100 FEET IN THOSE AREAS WHERE HORIZONTAL SEPARATION IS LESS THAN 3.0 FEET OR BY UTILIZING THE DEPTHS OF ADJACENT WATER VALVES. IF THE CONTRACTOR UTILIZES THE ADJACENT WATER TO DETERMINE WATER MAIN DEPTH, HE SHALL CONTACT THE AGENCY AT EACH SUCH LOCATION AND THE AGENCY WILL DETERMINE THE NECESSARY DEPTH OF THE TOP OF THE CONDUIT AT THAT POINT.

D. THE VERTICAL AND HORIZONTAL SEPARATION SHALL BE MAINTAINED AT ALL TIMES UNLESS SPECIFICALLY REVISED BY AGREEMENT BETWEEN THE JURISDICTIONAL PERMIT AGENCY AND THE AGENCY ANY SPECIFIC DEVIATION IN VERTICAL AND HORIZONTAL SEPARATION FROM THOSE DESCRIBED SHALL BE REPORTED TO THE OWNER BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING VERTICAL AND HORIZONTAL SEPARATION AT ALL TIMES AND SHALL BE RESPONSIBLE FOR ANY AND ALL ENCROACHMENTS.

E. CLEARANCES TO STORM SEWERS AND SANITARY SEWERS SHALL BE EXACTLY THE SAME AS THOSE TO WATER MAINS.

STRUCTURE PROTECTION

MANHOLES AND CONDUIT TO BE PLACED ADJACENT TO EXISTING STRUCTURES SUCH AS BRIDGE BRIDGE FOOTINGS/PIERS, BUILDING FOUNDATIONS, WALLS, POWER AND TELEPHONE POLES, AND OTHER UTILITIES SHALL MAINTAIN A MINIMUM CLEARANCE AS SHOWN. THE CONTRACTOR SHALL NOT UNDERMINE ANY ADJACENT STRUCTURE WITHOUT SPECIFIC WRITTEN PERMISSION FROM THE OWNER/OPERATOR OF SUCH STRUCTURE.

SHORING USED AS FOUNDATION SUPPORT SHALL BE DESIGNED SPECIFICALLY FOR BOTH THE LIVE AND DEAD LOADS OF THE STRUCTURE, OR IF ONLY THE DEAD LOAD IS USED FOR DESIGN, THE CONTRACTOR SHALL PROVIDE A DETAILED LAYOUT AND PLAN OF THE METHOD OF ESTABLISHING AND MAINTAINING THE DESIGN LOAD CONDITIONS (I.E., ROAD DETOURS, TIEBACKS, ETC.).

SEE UTILITY CLEARANCE SECTION NOTES FOR CLEARANCE CRITERIA TO PARALLEL OR CROSS UTILITIES.

EXISTING UTILITIES EXPOSED DURING EXCAVATION SHALL BE 100% SUPPORTED BY EITHER TRENCH BRIDGING AND SUSPENSION OR BY THE USE OF LONGITUDINAL TRAYS OR PLATFORMS VERTICALLY SUPPORTED BY ADJUSTABLE BUILDING JACKS.

EXISTING SPLICE CASES AND CABLES SHALL BE SUPPORTED BY SUSPENSION FROM A CROSSING BEAM. SUPPORTS SHALL BE PLACED AT A MAXIMUM SPACING OF 4.0 FEET AND SHALL CONSIST OF A CANVAS SLING WITH NYLON BELTING OR ROPE. ALL CABLE SUPPORTS SHALL BE PLACED IN A MANNER THAN PREVENTS KINKS OR OTHER DAMAGE TO THE CABLE SHEATH.

AN ACCEPTABLE ALTERNATIVE TO CABLE SLINGS WOULD BE THE UTILIZATION OF A WIDE FLANGE "I" BEAM OR CHANNEL AS A "CABLE TRAY" WITH THE CABLES/CASES BANDED IN PLACE.

SHORING

THE CONTRACTOR SHALL PROVIDE SHORING FOR CONDUIT TRENCH EXCAVATION 42" OR MORE IN DEPTH AS MEASURED FROM THE HIGH SIDE OF THE TRENCH AND FOR ALL MANHOLE EXCAVATION.

MANHOLE SHORING SHALL BE TIGHT-SHEETED.

ALL SHORING SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF LOCAL COUNTY AND THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA).

SHORING SHALL BE DESIGNED TO MEET H-20 HIGHWAY LOADING.

THE CONTRACTOR SHALL PROVIDE ALL SHORING AND DESIGN CALCULATIONS TO THE PERMIT ISSUING AGENCY PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITY.

UTILITY NOTE:

EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND BASED ON AVAILABLE RECORDS, VERBAL INFORMATION AND/OR PHYSICAL FEATURES. PRIOR TO CONSTRUCTION (AT LEAST 72 HOURS OR THE MORE RESTRICTIVE MINIMUM NOTIFICATION PERIOD), THE CONTRACTOR SHALL CONTACT SUNSHINE 811 TO ALLOW MARKING OF EXISTING BURIED UTILITIES WITHIN THE SCOPE OF THE PROPOSED WORKZONE.

SOFT DIGS &/OR POTHOLING SHALL BE REQUIRED BY CONTRACTOR TO IDENTIFY EXISTING UTILITY DEPTHS.

MINIMUM 24" SEPARATION SHALL BE MAINTAINED FROM ALL EXISTING UTILITIES UNLESS SUPERVISED.

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REVISION DATA

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SHEET TITLE:
GENERAL NOTES

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_001_FDH_06
DESCRIPTION:	KING CANAL
DRAWING NAME:	LE1_001_FDH_06 - LEHIGH ACRES_LEE COUNTY_FLORIDA - KING CANAL
SHEET:	5 OF 12

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0 10' 20' 30' 40'
SCALE: 1"=40'

PROPOSED BORE PIT 00+00

PROPOSED UTILITY MARKER 01+10

PROPOSED UTILITY MARKER 02+02

PROPOSED BORE PIT 03+12

DIRECTIONAL BORE:
- (2) 1.25" HDPE SDR 11 CONDUIT
- 312'
- MINIMUM DEPTH = 229.2" STA– 01+10 TO 02+02

MOORE AVE

E 20TH ST

KING CANAL 47-11-1

KING CANAL 47-12-1

15' 01+45

50'

24'

19'

92.12'

6'

ESMT

R/W

EOP

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REVISION DATA

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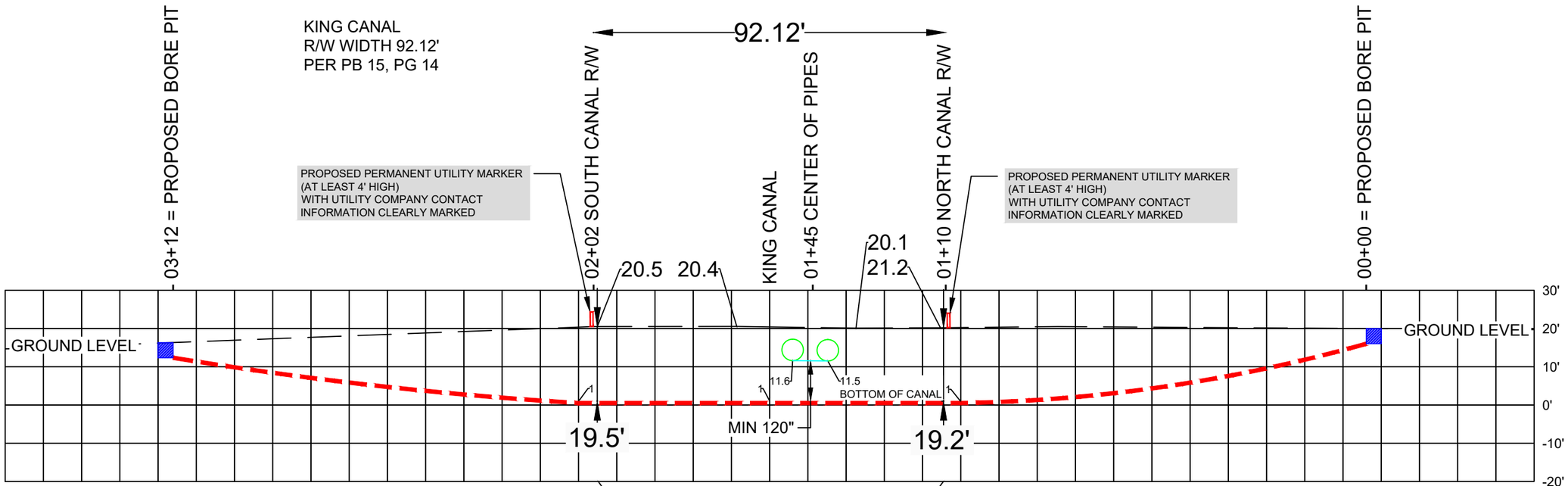
SHEET TITLE:
PROJECT SHEET

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_001_FDH_06
DESCRIPTION:	KING CANAL
DRAWING NAME:	LE1_001_FDH_06 - LEHIGH ACRES_LEE COUNTY_FLORIDA - KING CANAL
SHEET:	6 OF 12

SUB-GRADE VERTICAL PROFILE VIEW
MOORE AVE
LOOKING WEST



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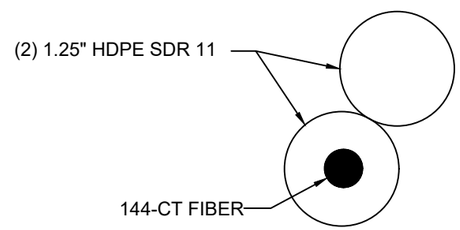
PIPE DETAIL



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0 10' 20' 30'
SCALE: 1"=30'

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SHEET TITLE:
PROFILE VIEW

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_001_FDH_06
DESCRIPTION:	KING CANAL
DRAWING NAME:	LE1_001_FDH_06 - LEHIGH ACRES_LEE COUNTY_FLORIDA - KING CANAL
SHEET:	7 OF 12

STREET LEVEL VIEW
STA 01+10
FACING SOUTH



05/09/2026 10:50AM
26.672930, -81.574928
4001 E 20TH ST
LEHIGH ACRES, FL 33920

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REVISION DATA

NO.	DESCRIPTION	BY	DATE
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SHEET TITLE:	IMAGES
PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_001_FDH_06
DESCRIPTION:	KING CANAL
DRAWING NAME:	LE1_001_FDH_06 - LEHIGH ACRES_LEE COUNTY_FLORIDA - KING CANAL
SHEET:	8 OF 12

STREET LEVEL VIEW
STA 02+02
FACING NORTH



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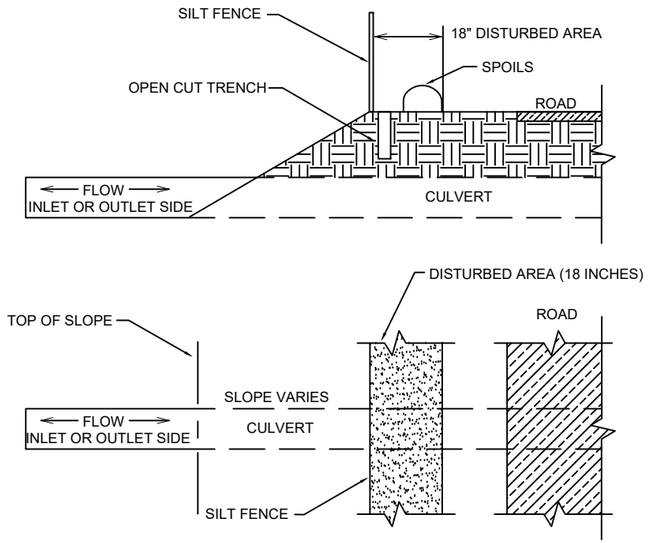
SHEET TITLE: IMAGES

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_001_FDH_06
DESCRIPTION:	KING CANAL
DRAWING NAME:	LE1_001_FDH_06 - LEHIGH ACRES_LEE COUNTY_FLORIDA - KING CANAL
SHEET:	9 OF 12

TYPICALS

CULVERT CUT OVER ON ROADSIDE SHOULDER

NOT TO SCALE



GENERAL NOTES

1. INSTALL SILT FENCE TO PROTECT DOWNSTREAM AREAS FROM SEDIMENTATION PRIOR TO CONSTRUCTION.
2. INSTALL SILT FENCE AS NEEDED TO PROTECT DRAINAGE FEATURES, BUT NO LESS THAN 10' ON EITHER SIDE OF CULVERT.

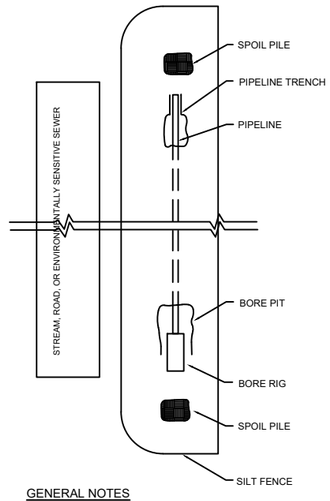
MAINTENANCE NOTES

INSPECT CULVERT CROSSING STRUCTURES WEEKLY AND AFTER EACH SIGNIFICANT RAINFALL EVENT (0.5" OR GREATER) TO SEE IF ANY EROSION AROUND OR BELOW THE SILT FENCE HAS OCCURRED, IMMEDIATELY MAKE ALL NEEDED REPAIRS TO PREVENT FURTHER DAMAGE.

*REF: 6.41.5 NC Erosion and Sediment Control Planning and Design Manual, 2006

DIRECTIONAL BORE DETAIL (PARALLEL)

NOT TO SCALE

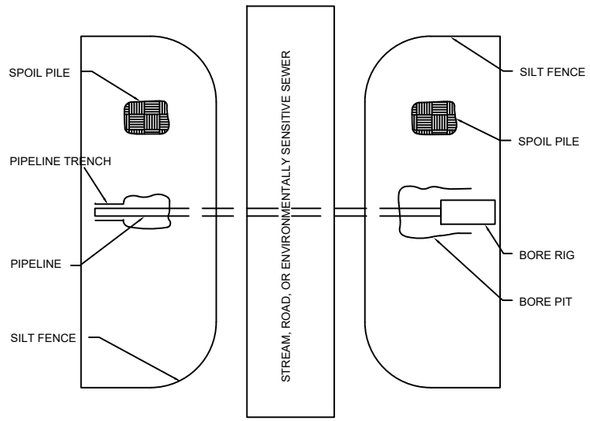


GENERAL NOTES

1. BORE PITS AND SPOILS PILES SHALL BE ENCLOSED ON THREE SIDES AS SHOWN WITH SILT FENCE

DIRECTIONAL BORE DETAIL (TRAVERSE)

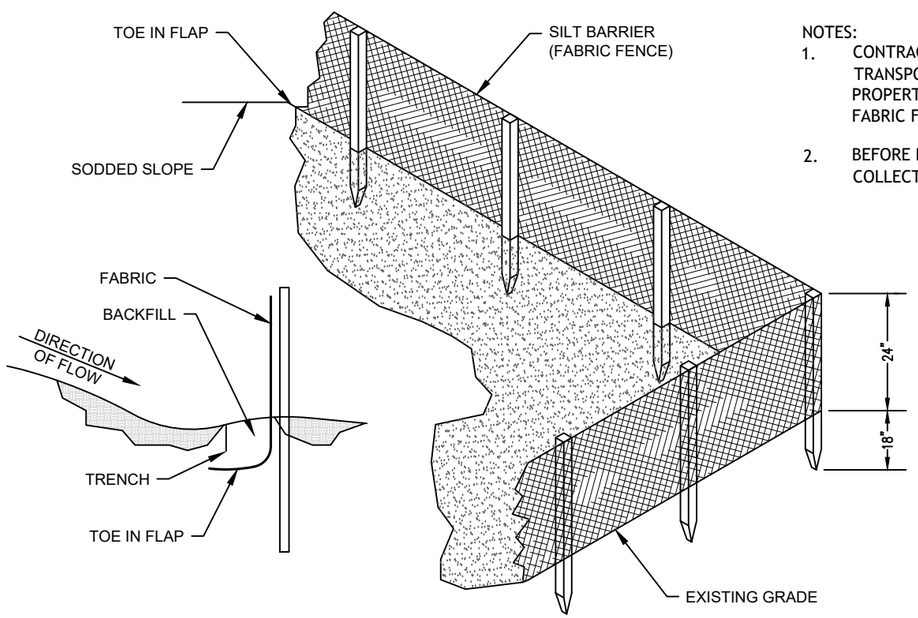
NOT TO SCALE



GENERAL NOTES

1. BORE PITS AND SPOILS PILES SHALL BE ENCLOSED ON THREE SIDES AS SHOWN WITH SILT FENCE

FABRIC FENCE SILT - BARRIER



NOTES:

1. CONTRACTOR IS REQUIRED TO PREVENT ANY SEDIMENT TRANSPORT FROM THE PROJECT SITE ON TO ADJACENT PROPERTY. INSTALLATION OF EITHER BALED HAY OR FABRIC FENCE TYPE SILT BARRIER IS ACCEPTABLE.
2. BEFORE REMOVING SILT BARRIER, CONTRACTOR SHALL COLLECT AND DISPOSE OF ANY ACCUMULATED SILT.

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REVISION DATA

NO.	DESCRIPTION	BY	DATE
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SHEET TITLE:	TYPICALS
PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_001_FDH_06
DESCRIPTION:	KING CANAL
DRAWING NAME:	LE1_001_FDH_06 - LEHIGH ACRES_LEE COUNTY_FLORIDA - KING CANAL
SHEET:	10 OF 12

TYPICALS

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PARALLEL CONDUIT DETAIL FOR FDOT RIGHT-OF-WAY

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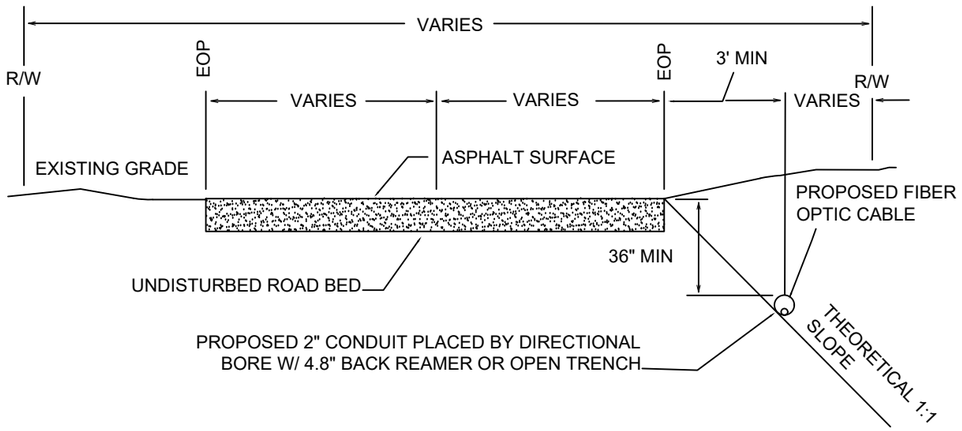
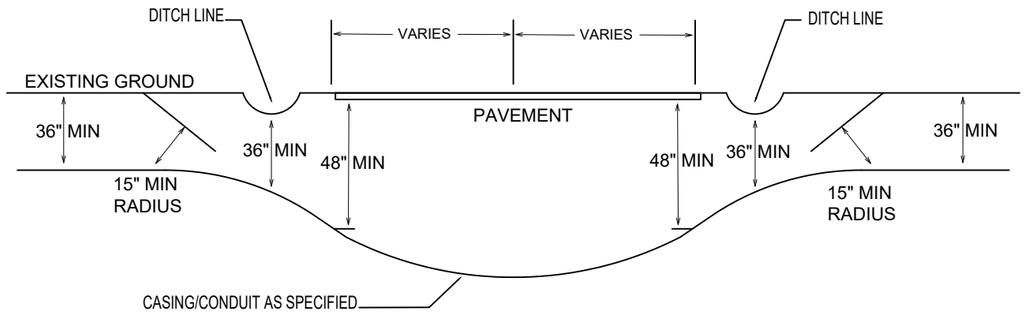


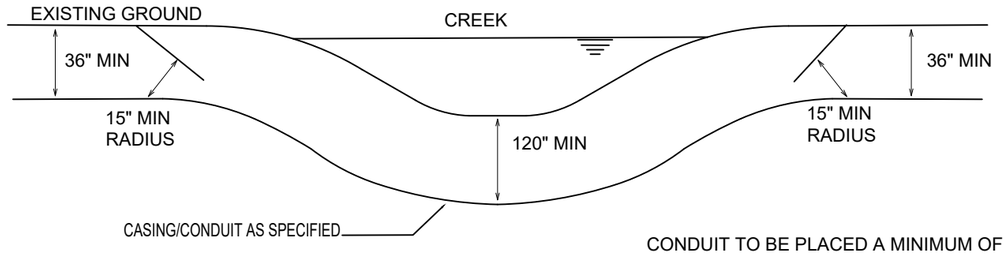
DIRECTIONAL BORE UNDER SECONDARY ROADWAY

NOT TO SCALE



DIRECTIONAL BORE UNDER CREEK BED

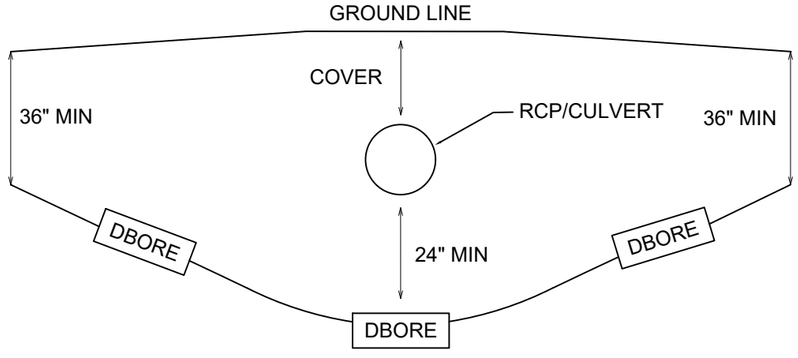
NOT TO SCALE



CONDUIT TO BE PLACED A MINIMUM OF 10 FEET BELOW CREEK BED

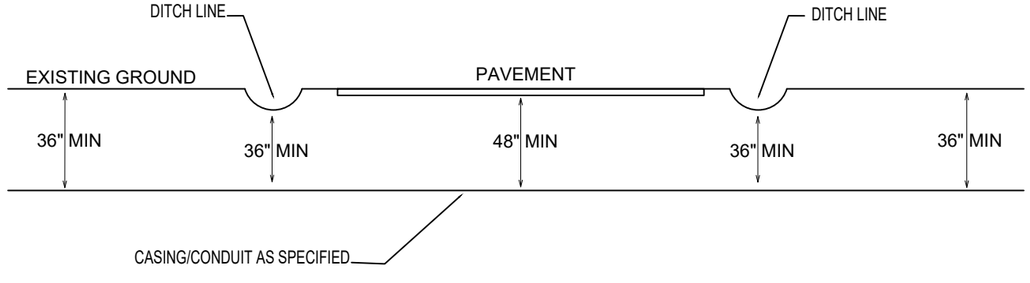
CULVERT CROSSING DETAIL

NOT TO SCALE



DRY BORE UNDER ROADWAY

NOT TO SCALE



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REVISION DATA

NO.	DESCRIPTION	BY	DATE
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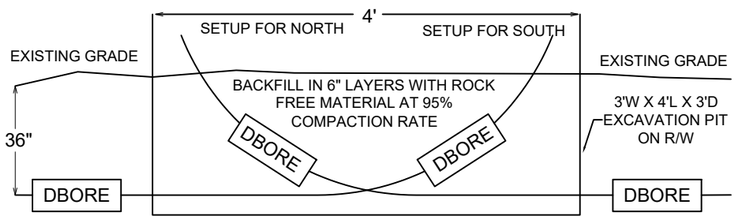
----	----	----	----

SHEET TITLE:	TYPICALS
PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_001_FDH_06
DESCRIPTION:	KING CANAL
DRAWING NAME:	LE1_001_FDH_06 - LEHIGH ACRES_LEE COUNTY_FLORIDA - KING CANAL
SHEET:	11 OF 12

TYPICALS

DIRECTIONAL BORE TIE-IN DETAIL

NOT TO SCALE

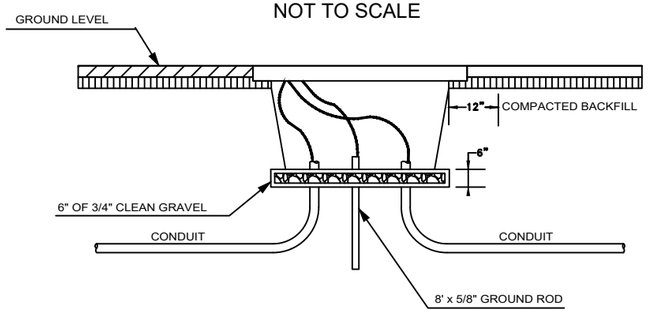


TIE-IN STATION

- BORE FROM EACH DIRECTION IS RUN AT DESIGN DEPTH TO 2 FEET PAST THE INTENDED TIE-IN. THEN TURNED UP TO DAYLIGHT.
- THE TIE-IN POINT IS EXCAVATED. THE CONDUITS CUT OFF WHERE THEY CROSS EACH OTHER AT DESIGN DEPTH, AND A COUPLER IS INSTALLED TO CONNECT THE TWO CONDUITS AT THE DESIGN DEPTH.
- ALL EXCAVATIONS OR TRENCHES 4 FEET OR GREATER IN DEPTH SHALL BE APPROPRIATELY BENCHED, SHORED, OR SLOPED IN OSHA'S EXCAVATION STANDARD, 29 CFR 1926.650, .651, AND .652

PULL BOX HANDHOLE

NOT TO SCALE



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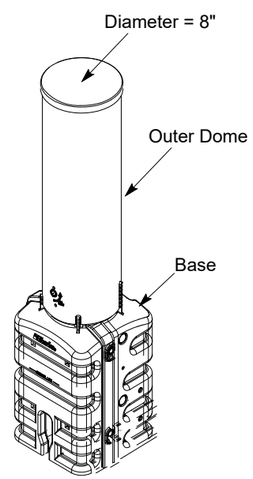
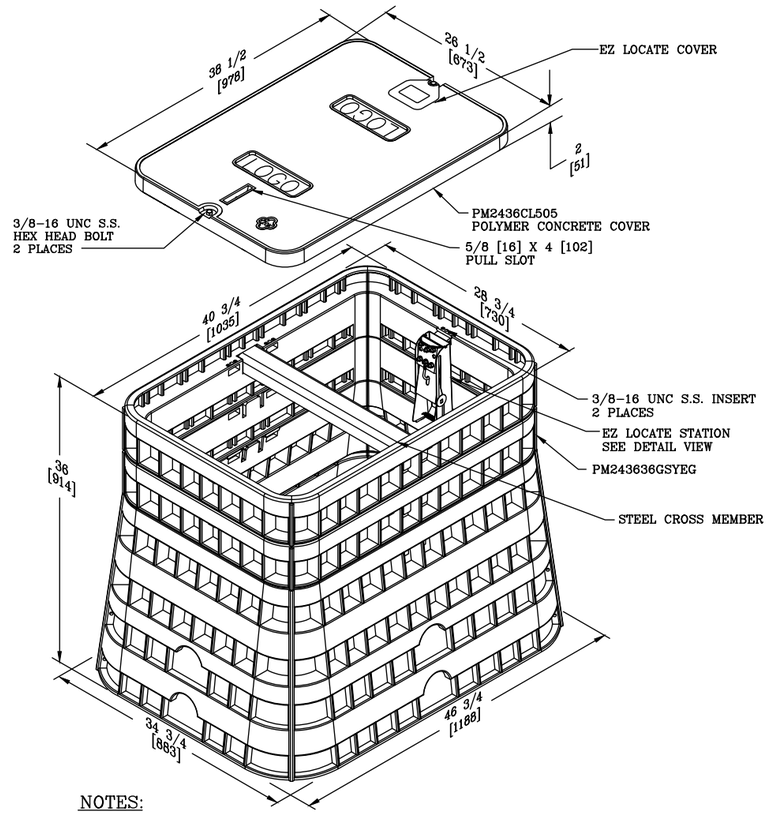
BDO204-EG

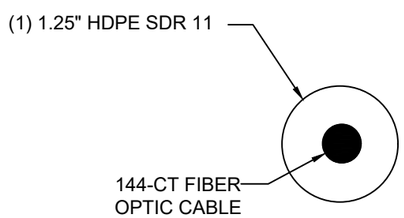




NOTES:

1. BOX MATERIAL TO BE HDPE PLASTIC, COVER MATERIAL TO BE POLYMER CONCRETE.
2. COLOR TO BE GREY.
3. THIS ASSEMBLY HAS A LOAD RATING OF 20,000 LBS. [88,960 N].

PIPE DETAIL



PERMITTING AGENCY

LA - MSID

lumos

BLAIR CONSULTING SERVICES, Inc.

1428 SUNBLUSH LN
LAS VEGAS, NV 89117

811 Know what's below. Call before you dig.

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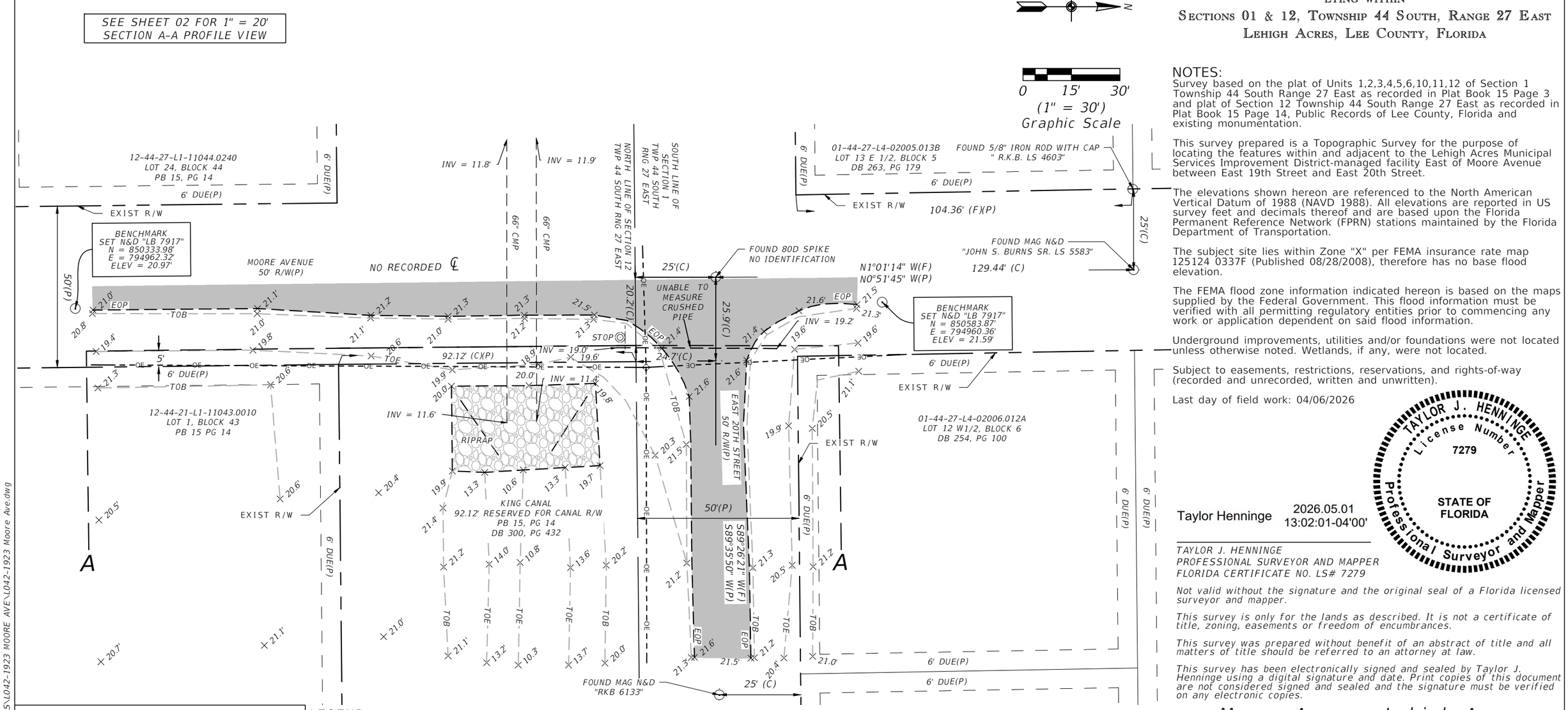
DRAWING NAME:	LE1_001_FDH_06 - LEHIGH ACRES_LEE COUNTY_FLORIDA - KING CANAL
SHEET:	12 OF 12

Topographic Survey of a Subject Project Site

lying within

Sections 01 & 12, Township 44 South, Range 27 East
Lehigh Acres, Lee County, Florida



NOTES:

Survey based on the plat of Units 1,2,3,4,5,6,10,11,12 of Section 1 Township 44 South Range 27 East as recorded in Plat Book 15 Page 3 and plat of Section 12 Township 44 South Range 27 East as recorded in Plat Book 15 Page 14, Public Records of Lee County, Florida and existing monumentation.

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Underground improvements, utilities and/or foundations were not located unless otherwise noted. Wetlands, if any, were not located.

Subject to easements, restrictions, reservations, and rights-of-way (recorded and unrecorded, written and unwritten).

Last day of field work: 04/06/2026

TAYLOR J. HENNINGE
License Number
7279
STATE OF FLORIDA
Professional Surveyor and Mapper

Taylor Henninge 2026.05.01 13:02:01-04'00'

TAYLOR J. HENNINGE
PROFESSIONAL SURVEYOR AND MAPPER
FLORIDA CERTIFICATE NO. LS# 7279

Not valid without the signature and the original seal of a Florida licensed surveyor and mapper.

This survey is only for the lands as described. It is not a certificate of title, zoning, easements or freedom of encumbrances.

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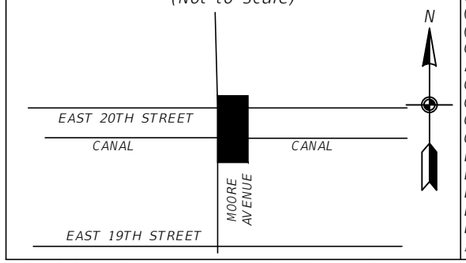
This survey has been electronically signed and sealed by Taylor J. Henninge using a digital signature and date. Print copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Location sketch
(Not to scale)



LEGEND:

(F)	= FIELD MEASURED	INV	= INVERT ELEVATION
(P)	= PER PLAT	N&D	= NAIL AND DISK
(C)	= CALCULATED	NAVD 88	= NORTH AMERICAN VERTICAL DATUM 1988
CB	= CATCH BASIN	OR	= OFFICIAL RECORDS BOOK
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	= SINGLE SUPPORT SIGN
	= GUY ANCHOR
RKB 7196	= BACK FLOW PREVENTOR
	= VALVE COVER WATER
	= VALVE
	= WATER METER

Moore Avenue, Lehigh Acres

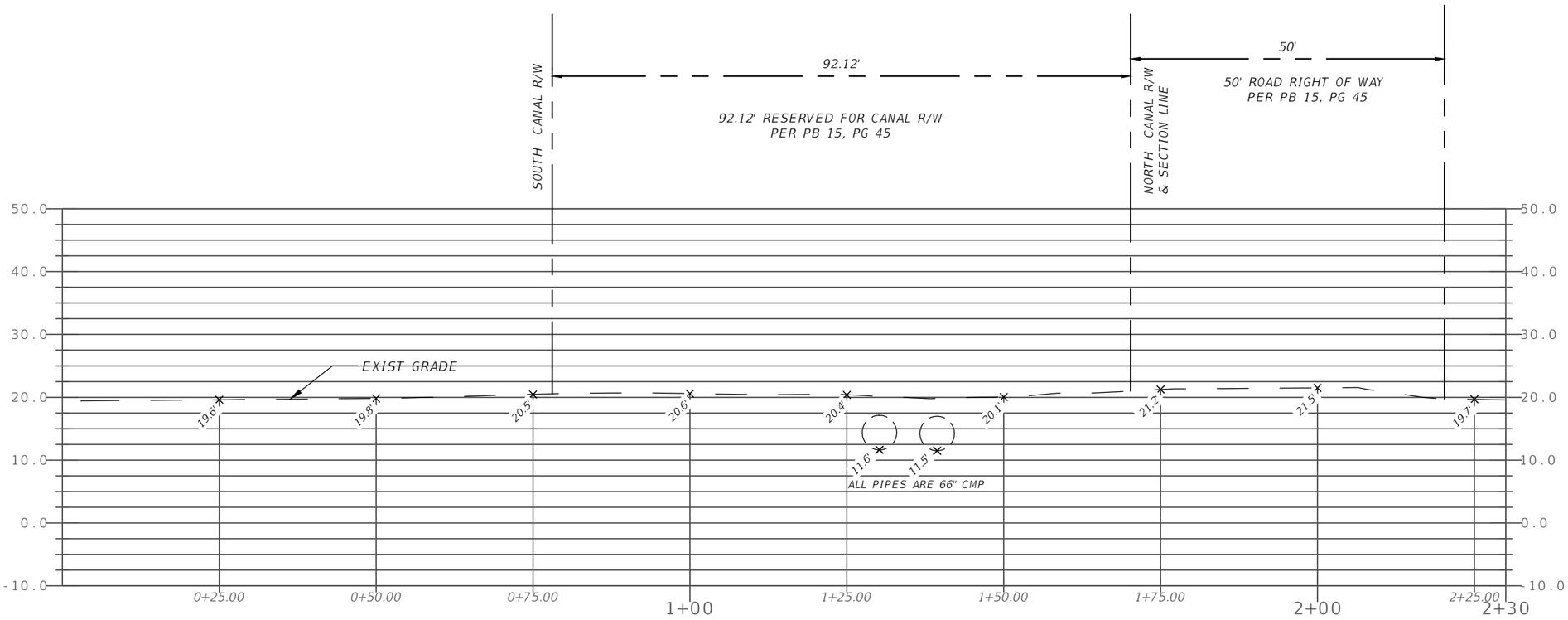
TOPOGRAPHIC SURVEY-PLAN VIEW

McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name: L042-1923 Moore Ave.dwg	Field book/page: 106981-1/45	Project No.: 106980001-L042	
Survey date: 04/06/2026	Drawn by: KB	Checked by: TJH	Sheet No.: 01 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L042-1923 MOORE AVE\L042-1923 Moore Ave.dwg

Topographic Survey of a
Subject Project Site
Sections 01 & 12, Township 44 South, Range 27 East
Lehigh Acres, Lee County, Florida



A-A Profile View
1" = 20' HORIZONTAL
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SEE SHEET 01 FOR LEGEND

Moore Avenue, Lehigh Acres

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L042-1923 Moore Ave.dwg	106981-1/45	106980001-L042

Survey date:	Drawn by:	Checked by:	Sheet No.:
04/06/2026	KB	TJH	02 OF 02

NOTE:

1. This Index applies to Two-Lane, Two-Way and Multilane Roadways, including Medians of divided roadways, with work on the shoulder.

2. L = Taper Length
   X = Work Zone Sign Spacing
   B = Buffer Length
   See Index 102-600 for "L", "X", "B", and channelizing device spacing values.

3. Where work activities are between 2' and 15' from the edge of traveled way, the Engineer may omit signs and channelizing devices for work operations 60 minutes or less.

4. When four or more work vehicles enter the through traffic lanes in a one hour period (excluding establishing and terminating the work area), use a flagger or lane closure to accommodate work vehicle ingress and egress.

5. For work less than 2' from the traveled way and work zone speed is greater than 45 MPH, use a lane closure.

6. The "Speeding Fines Doubled When Workers Present" signs (M0T-13-06) and "End Road Work" Signs (G20-2) along with the associated work zone sign spacing distances may be omitted when the work operation is in place for 24 hours or less.

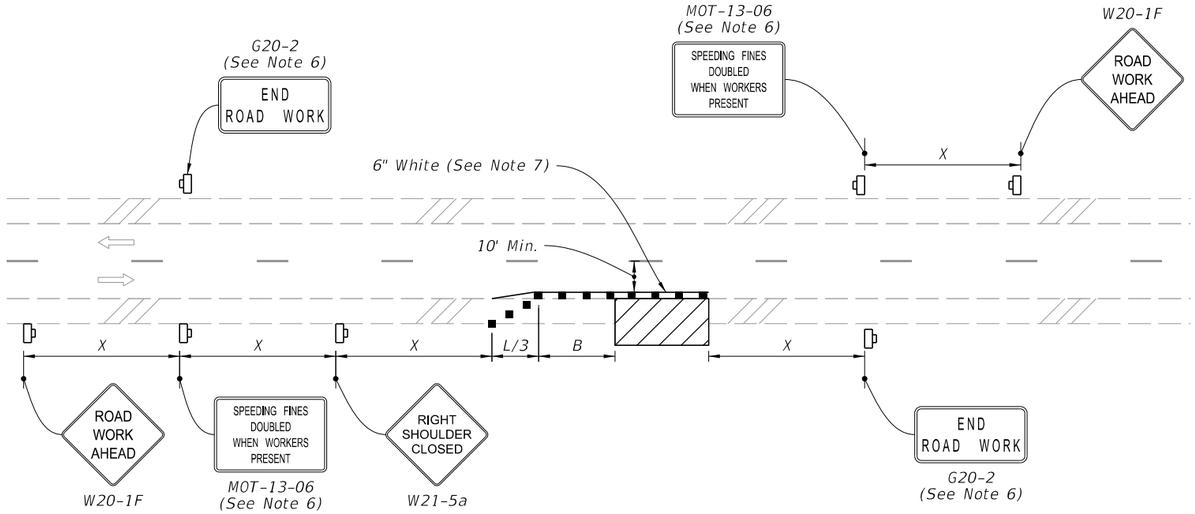
7. Temporary pavement markings may be omitted when the work operation is in place for 3 days or less.

8. Omit "Shoulder Closed" signs (W21-5a) along with associated work zone sign spacing distances for work on the median.

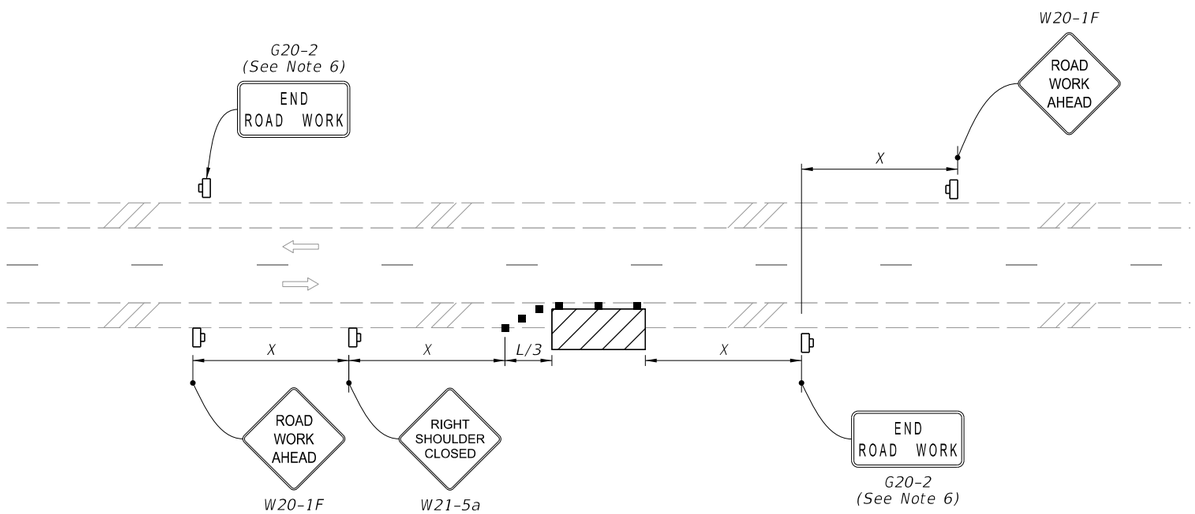
9. When there is no paved shoulder, the "Worker" sign (W21-1) may be used instead of the "Shoulder Closed" sign (W21-5a).

SYMBOLS:

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Lane Identification and Direction of Traffic



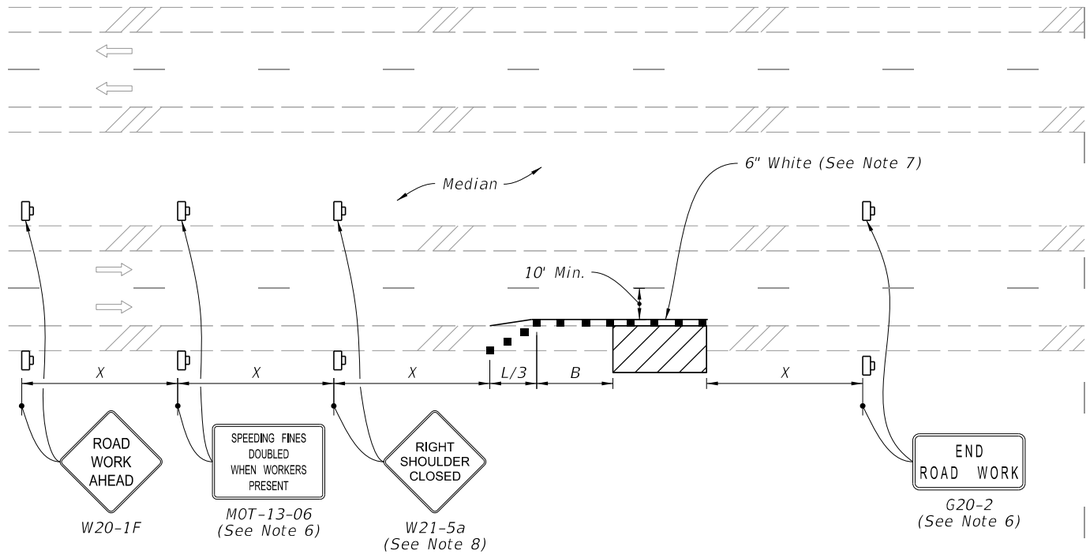
TWO-LANE ROADWAY
SHOULDER WORK LESS THAN 2' FROM THE TRAVELED WAY
WITH WORK ZONE SPEED OF 45 MPH OR LESS



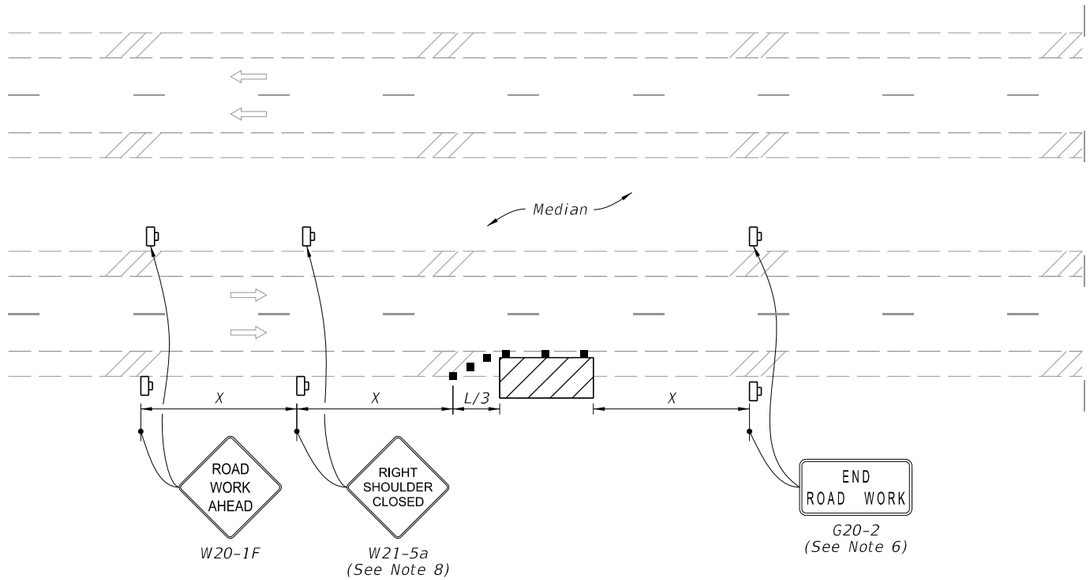
TWO-LANE ROADWAY
SHOULDER WORK BETWEEN 2' AND 15' FROM THE TRAVELED WAY

9/10/2024 10:45:37 AM

LAST REVISION	REVISION	DESCRIPTION:			INDEX	SHEET
11/01/21			FY 2025-26 STANDARD PLANS	TWO-LANE AND MULTILANE, WORK ON SHOULDER	102-602	1 of 2



MULTILANE ROADWAY
SHOULDER WORK LESS THAN 2' FROM THE TRAVELED WAY
WITH WORK ZONE SPEED OF 45 MPH OR LESS



SYMBOLS:

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- Work Zone Sign
- Lane Identification and Direction of Traffic

MULTILANE ROADWAY
SHOULDER WORK BETWEEN 2' AND 15' FROM THE TRAVELED WAY

9/10/2024 10:45:44 AM

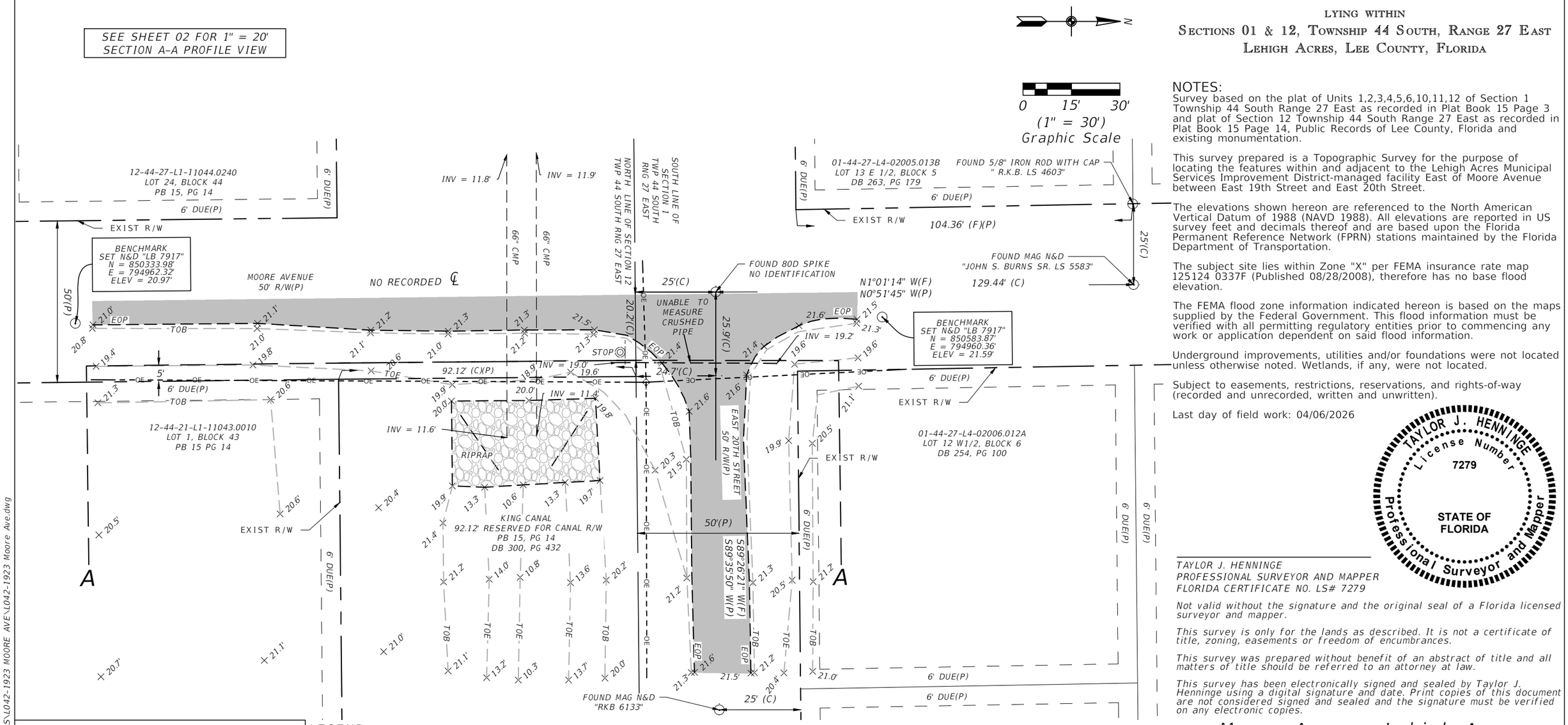
LAST REVISION	REVISION	DESCRIPTION:				
11/01/20			FDOT FY 2025-26 STANDARD PLANS	TWO-LANE AND MULTILANE, WORK ON SHOULDER	INDEX 102-602	SHEET 2 of 2

Topographic Survey of a Subject Project Site

lying within

Sections 01 & 12, Township 44 South, Range 27 East
Lehigh Acres, Lee County, Florida

SEE SHEET 02 FOR 1" = 20'
SECTION A-A PROFILE VIEW



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License Number
7279
STATE OF FLORIDA
Professional Surveyor and Mapper

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FLORIDA CERTIFICATE NO. LS# 7279

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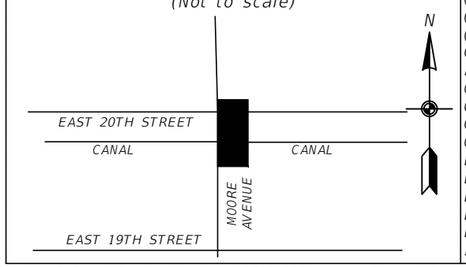

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Moore Avenue, Lehigh Acres

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Survey date: 04/06/2026	Drawn by: KB	Checked by: TJH	Sheet No.: 01 OF 02

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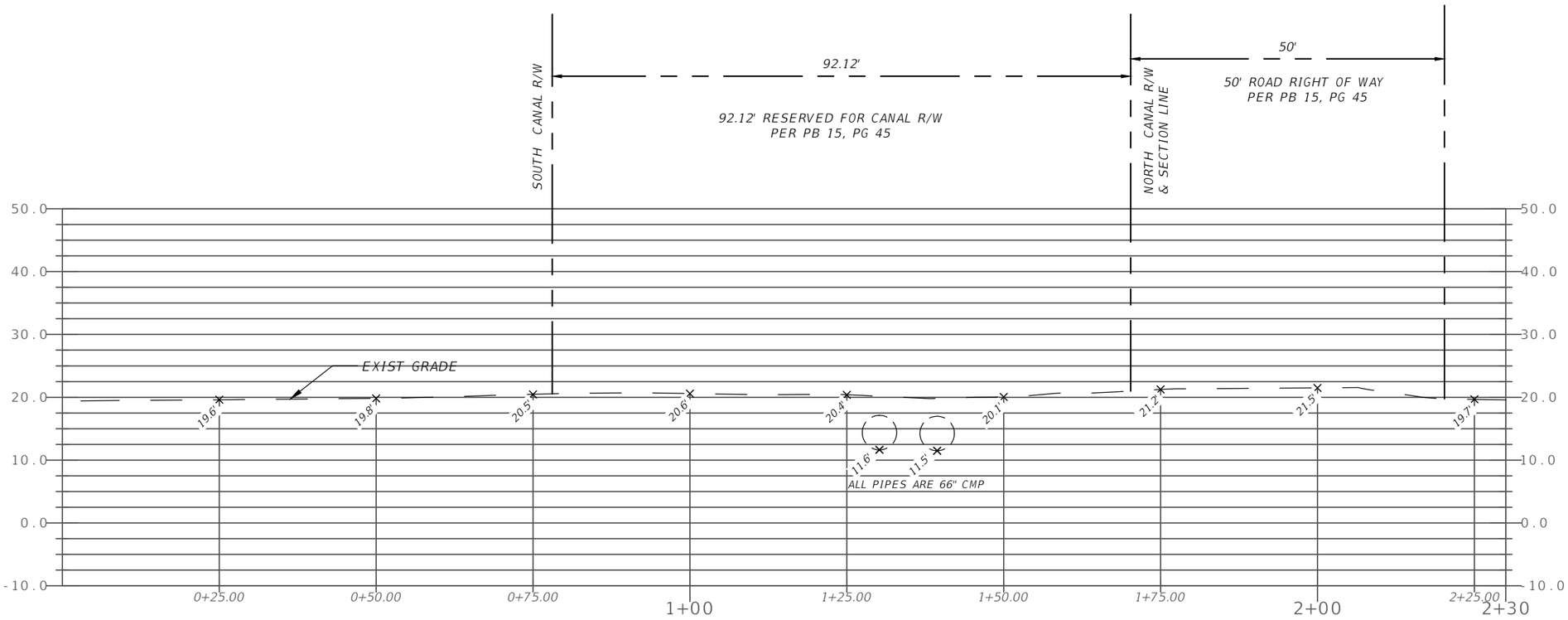

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1" = 20' VERTICAL

SEE SHEET 01 FOR LEGEND

Moore Avenue, Lehigh Acres

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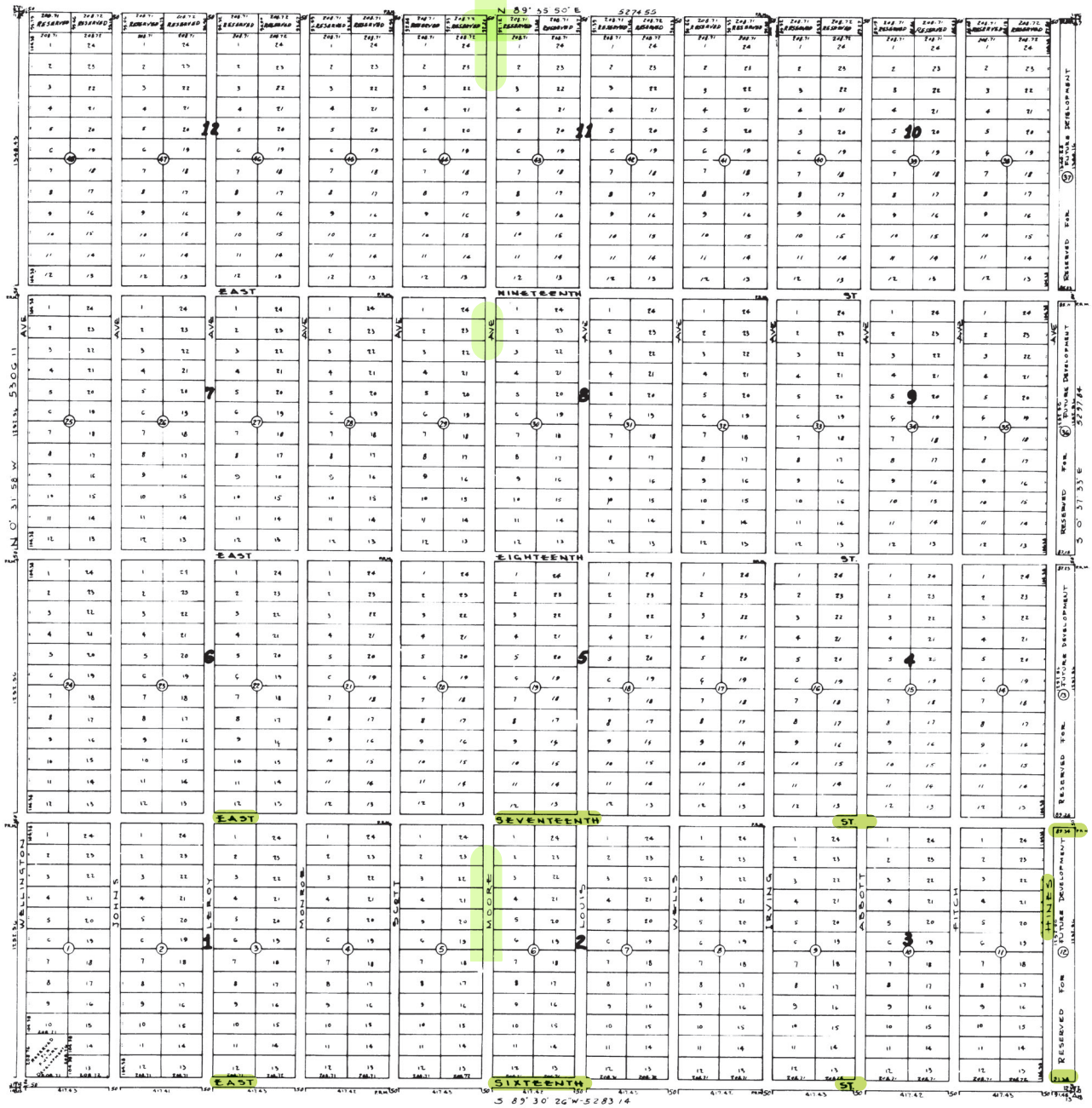
L042-1923 Moore Ave.dwg	106981-1/45	106980001-L042

Survey date:	Drawn by:	Checked by:	Sheet No.:
04/06/2026	KB	TJH	02 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L042-1923 MOORE AVE\L042-1923 Moore Ave.dwg



PLAT OF SECTION 12

TWP 44 S RGE 27 E

A SUBDIVISION OF

"LEHIGH ACRES"

LEE COUNTY, FLA.

LEE COUNTY LAND & TITLE CO.
DEVELOPERS

SCALE 0 100 200 300 600

UNIT BOUNDARY

FEB. 16, 1956

CERTIFICATE OF SURVEY

I HEREBY CERTIFY that the plat shown hereon is a correct representation of the land as platted and that Permanent Reference Monuments have been placed as shown.

Earl J. Royer Jr. Fla.
Florida Reg. Land Surveyor # 675
Engineer # 1680

NOTE
ALL LOTS SUBJECT TO A 10 UTILITY EASEMENT ON ALL LOT LINES.
INTERIOR PRM'S = 4"x4"x18" CONCRETE
SEE COR PRM'S = 6"x6"x36" CONCRETE
ALL LOTS ARE RECTANGULAR, EXCEPT WHERE NOTED

NOTE
DIMENSIONS, BEARINGS, LOT AND LAND LINES ON DRAWING OF LATEST DATE SHALL GOVERN.

Petition to Vacate
Petition No:96-03-150.04R
Description:a 12ft wide public utility easement; See CCMB
Date of Approval:06/19/96
Resolution No:96-06-39
CCMB:1996R Page:394
Recorded on:6/27/96 OR Book:2720 Page:0295-0298

PLAT OF

LEHIGH ACRES

LEE COUNTY, FLORIDA

LEE COUNTY LAND AND TITLE COMPANY

DEVELOPERS

ACKNOWLEDGEMENTS

KNOW ALL MEN BY THESE PRESENTS, THAT LEE COUNTY LAND AND TITLE COMPANY, A CORPORATION UNDER THE LAWS OF FLORIDA, BEING THE OWNER OF THE LAND DESCRIBED IN THE CAPTION HEREON HAS CAUSED THIS PLAT OF LEHIGH ACRES TO BE MADE AND DO HEREBY DEDICATE TO THE PERPETUAL USE OF THE PUBLIC STREETS, ROADS, DRIVES AND/OR LANES SHOWN HEREON AND ALL CANAL RIGHT OF WAYS SHALL BE DEDICATED TO THE EAST COUNTY WATER CONTROL DISTRICT.

IN WITNESS WHEREOF GERALD H. GOULD AND EDWARD SHAPIRO, RESPECTIVELY PRESIDENT AND SECRETARY OF LEE COUNTY LAND AND TITLE COMPANY, BY AND WITH AUTHORITY OF IT'S BOARD OF DIRECTORS HAVE EXECUTED THESE PRESENTS FOR AND ON BEHALF OF SAID CORPORATION AND CAUSED IT'S CORPORATE SEAL TO BE AFFIXED THIS 10th DAY OF April A.D. 1961

LEE COUNTY LAND AND TITLE CO.

BY Gerald H. Gould
President

ATTEST Edward Shapiro
Secretary

STATE OF FLORIDA
COUNTY OF LEE

I HEREBY CERTIFY THAT ON THIS DAY, BEFORE ME AN OFFICER DULY AUTHORIZED TO TAKE ACKNOWLEDGEMENTS, PERSONALLY APPEARED GERALD H. GOULD AND EDWARD SHAPIRO, RESPECTIVELY PRESIDENT AND SECRETARY OF LEE COUNTY LAND AND TITLE COMPANY, TO ME KNOWN TO BE THE PERSONS DESCRIBED IN AND WHO EXECUTED THE FOREGOING DEDICATION AS PRESIDENT AND SECRETARY RESPECTIVELY OF LEE COUNTY LAND AND TITLE COMPANY FOR THE PURPOSES THEREIN SET FORTH.

WITNESS MY HAND AND OFFICIAL SEAL AT FORT MYERS, SAID COUNTY AND STATE THIS 10th DAY OF April A.D 1961

Jean Welchler
NOTARY PUBLIC STATE OF FLORIDA AT LARGE
My Commission Expires July 19, 1964

APPROVALS

THIS PLAT APPROVED THIS 12 DAY OF April A.D. 1961 IN OPEN MEETING OF THE BOARD OF COUNTY COMMISSIONERS OF LEE COUNTY, FLORIDA.

APPROVED Gloria S. Hunter
Chairman

D. L. Farahee
Clerk

County Attorney

Stacy Bruce
County Road Superintendent

260798

I HEREBY CERTIFY THAT THIS PLAT OF LEHIGH ACRES, HAS BEEN EXAMINED BY ME AND FROM MY EXAMINATION I FIND THAT SAID PLAT COMPLIES IN FORM WITH THE REQUIREMENTS OF SURVEY LAWS OF FLORIDA.

I FURTHER CERTIFY THAT SAID PLAT WAS FILED FOR RECORD AT FORT MYERS THIS 13 DAY OF April A.D. 1961, AND DULY RECORDED IN PLAT BOOK 15 ON PAGES 1-101 OF PUBLIC RECORDS OF LEE COUNTY, FLORIDA.

D. L. Farahee
Clerk Of The Circuit Court In And For Lee County

SURVEYORS CERTIFICATE

I THE UNDERSIGNED CERTIFY THAT THE PLAT AS SHOWN IS A CORRECT REPRESENTATION OF THE LANDS PLATTED.

R. V. Jamme

PLAT OF

LEHIGH ACRES

LEE COUNTY, FLORIDA

LEE COUNTY LAND AND TITLE COMPANY

DEVELOPERS

DESCRIPTION

TOWNSHIP 43 SOUTH, RANGE 27 EAST

The Southeast 1/4 of Section 36

TOWNSHIP 44 SOUTH, RANGE 27 EAST

The South 1/2 and the North 1/2 of the North 1/2 of Section 1; the East 1/2 and the East 1/2 of the Northwest 1/4 and the Southwest 1/4 of the Northwest 1/4 of Section 2; the South 1/2 of Section 7, 8 and 9; all of Sections 11 through 21 inclusively and all of Sections 23 through 28 inclusively; all of Section 29 except that part lying South of the South Right of Way of Able Canal; all of Sections 35 and 36 inclusively; all of Section 32 except the following: Units 1, 2 and 3 of Section 32 as recorded on pages 124, 125 and 126 of Plat Book 9. Units 4, 5, 7, 10, 11 and 18 of Section 32 as recorded on Pages 50 through 55 inclusively of Plat Book 12. Unit 20 of Section 32 as recorded on Pages 86 through 89 inclusively of Plat Book 10. Part of Unit 3 as recorded on Page 23 of Plat Book 12. Addition to Unit 20 as recorded on Pages 36 and 37 of Plat Book 13 all of the Public Records of Lee County, and all of section 33 except the following: Units 4 and 10 of Section 33 as recorded on Page 52 of Plat Book 12. Unit 5 of Section 33 as recorded on Page 29 of Plat Book 12. Bear Lake Subdivision as recorded on Pages 38 and 39 of Plat Book 13. Replat of Lots 1 through 6, Block 4e, Section 33, Township 44 South, Range 27 East as recorded on Page 84 of Plat Book 12 all of the Public Records of Lee County and that part of Section 34 described as Follows; Beginning at the Northwest Corner of Section 34, Township 44 South, Range 27 East go North 89°-12'-26" East, 1919.76 feet; thence South 00° 06'-48" East, 1468.91 feet; thence South 89°-12'-26" West, 1919.76 feet; thence North 00°-06'-48" West, 1468.91 feet to the Point of beginning; and that part of section 34, Twp. 44 S., Rge 27 E., described as follows: commencing at the Southwest corner of Section 34; thence North 00°-06'-48" West along the West line of said Section 1403.40 feet to the Northerly right of way line of Joel Boulevard; thence North 88°-58'-52" East along said Northerly right of way 15.80 feet to the P.C. of a curve; thence Northeasterly on a tangential curve to the left, with a radius of 676.18 feet, a distance of 400.21 feet, to the P.T. of said curve, thence North 55°-05'-58" East, continuing along said Northerly right of way of Joel Boulevard, 1012.50 feet to the Southwesterly right of way of David Avenue, said point also being the actual point of beginning of the tract of land to be described; thence North 34°-54'-02" West along said southwesterly right of way line 1610 feet; thence North 55°-05'-58" East, a distance of 200 feet; thence South 34°-54'-02" East, a distance of 90 feet; thence North 55°-05'-58" East, a distance of 175 feet; thence North 87° 55'-40" East, a distance of 184.45 feet; thence South 34°-54'-02" East, a distance of 185 feet; thence South 55°-05'-58" West, a distance of 280 feet; thence South 34°-54'-02" East, a distance of 375 feet; thence South 55°-05'-58" West, a distance of 200 feet; thence South 34°-54'-02" East, a distance of 860 feet; thence South 55°-05'-58" West, a distance of 50 feet, to the actual Point of Beginning; and all of Section 22 lying West of the West right of way line of Gerald Avenue as shown on the Plat of a Subdivision of Part of Lehigh Acres recorded on Pages 50 through 55 inclusively of Plat Book 12 of the Public Records of Lee County, Florida.

TOWNSHIP 44 SOUTH, RANGE 26 EAST

All of Sections 1, 2, 11, 12, 13, 23, 24, 26, 27, 32, 33, 34, 35, and 36; and the South 1/2 of Sections 29 and 30; and the South 100 feet of the North 1/2 of Section 30; and the East 1/2 of Section 14; the South 1/2, and that part of the North 1/2 of Section 28, lying East of Buckingham Road; all of Block E, Lot 1, Block 38 of Buckingham Park, south section as recorded in Plat Book 9, Page 99 of the Public Records of Lee County, Florida, and all that part of Section 22 lying South and West of the southerly right of way of Homestead Road, except Lots 1 through 7 inclusively, Block 37 of Buckingham Park south section as recorded in Plat Book 9, Page 99 of the Public Records of Lee County, Florida; and that part of Section 31, lying North of the Northerly right of way of State Road 82; and all of Section 25 except Units 3 and 6 and Units 11 and 12 as recorded in Plat Book 13, Pages 21, 22 and 23 of the Public Records of Lee County, Florida.

TOWNSHIP 45 SOUTH, RANGE 26 EAST

All of Sections 1, 2, 3 and 12, all of that part of sections 4, 5, 6, 9, 10, 11, 13 and 14 lying North of the Northerly right of way of State Road 82.

PART IV #26-97

Recommended Action

Engineering Review:

By: _____ 6/17/2026 **Approved _X_ Denied __**

District Field Review:

By: _____ **Approved ___ Denied ___**

District Manager: _____ **Date**: _____

Comments:

The referenced permit application submitted by Lumos Fiber of Florida, LLC for a subaqueous crossing King Canal (47-12-1) at 1923 Moore Ave., in Lehigh Acres, has been reviewed and is recommended for approval with the following stipulations:

1. On sheet 7 of the plans, please remove or modify dimensions of 19.5' and 19.2', as well as make the bore elevations (1.0') more noticeable to avoid construction site mistakes.

2. On sheet 7 of the site plans, minimum 10' offset from canal bottom, Disturbed R/W sodding requirements, and 48" minimum bore offsets from pavement notes are missing, please revise.

3. On sheet 11 of the plans, the culvert crossing detail specifies 24" minimum offset from culvert, if the detail is depicting a canal crossing, the offset should be 120" or 10'. If not, please include a note to clarify that the details do not apply to LA-MSID canal crossing.

4. Permanent above-ground cable markers must be placed at the canal right-of-way (R/W) line on each side of the crossing.

5. Any disturbed canal R/W must be restored with sod and maintained until fully established. Seeding will not be permitted.

6. Within 30 days of completing the improvements, provide LA-MSID with a copy of the survey record drawings indicating the location and elevation of utilities within the canal R/W.

7. The permittee will be responsible for any necessary repairs, alterations, or relocation of the utility if required for future maintenance or repairs of the canal.

8. Lee County DOT must review and approve any utility work proposed within the County Road R/W.

LEHIGH ACRES - MUNICIPAL SERVICES IMPROVEMENT DISTRICT
PERMIT

THIS PERMIT is granted this 20th day of July, 2026, by Lehigh Acres Municipal Services Improvement District (hereinafter referred to as "DISTRICT"), 601 East County Lane, Lehigh Acres, Florida 33936, to Lumos Fiber of Florida, LLC, 4100 Mendenhall Oaks Parkway, Suite 300, High Point, NC 27265, hereinafter referred to as the "Permittee") as a non-exclusive permit for a directional bore under Dogleg Canal (47-2-1), along the south side of E. 21st St., between Jackson Ave. & Hamilton Ave., in Lehigh Acres, FL.

W I T N E S S E T H:

1. In the event the DISTRICT is not the fee title owner of the real property (the "Property") to which this Permit is applicable, the Permittee agrees, prior to commencement, to obtain all necessary consents from the fee title owners of the Property.

2. This Permit does not constitute a waiver of the necessity by the Permittee to obtain such other necessary and appropriate permits required by other governmental bodies or agencies; therefore the Permittee, prior to commencement, is required to obtain any and all other applicable federal, state, and local permits required in connection with Permittee's use of the Property and agrees that at all times it will comply with the requirements of all federal, state and local laws, ordinances, rules and regulations applicable or pertaining to the use of the Property by the Permittee.

3. Permittee understands and agrees that the use of the Property pursuant to this Permit is subordinate to the rights and interests of the DISTRICT and to the extent applicable that of the fee title owner of the Property. Further, Permittee does hereby stipulate that the Permittee is not relying upon any representations whatsoever by the DISTRICT regarding the DISTRICT'S right, title, interest, or ownership as to the Property for which this Permit is applicable.

4. The Permittee, by accepting this permit, specifically agrees to allow authorized District Personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:
    a. Having access to and copying any records that must be kept under the conditions of the permit:
    b. Reviewing the facility, equipment, practices, or operations regulated or required under this permit; and
    c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or District rules.

5. The DISTRICT specifically reserves the right to maintain its facilities located over, under or upon the Property; to make improvements; add additional facilities; maintain, construct or alter its roads; maintain any facilities, devices, or improvements on the Property which aid in or are necessary to the DISTRICT'S operation; and the right to enter upon the Property at all times for such purposes. Permittee understands that in the exercise of such rights and interest, the DISTRICT may require Permittee, at no cost to DISTRICT, to relocate, alter, or remove the Permittee's facilities and equipment or other improvements made by Permittee pursuant to this Permit which interfere with or prevent the DISTRICT, in the DISTRICT'S opinion, from properly and faithfully constructing, improving and maintaining its facilities. If the Permittee should fail to relocate, alter, or remove the Permittee's facilities, equipment or other improvements made by the Permittee pursuant to this Permit within a reasonable time period following receipt of notice from the DISTRICT requesting same, then in that event the DISTRICT shall have the right to enter upon the lands and make such relocation, alterations or removal of the Permittee's facilities, equipment/or other improvements at no cost to DISTRICT.

6. Permittee agrees that it will not use the Property in any manner which interferes with the DISTRICT'S

use of the Property or causes a hazardous condition to exist.

7. The DISTRICT assumes no responsibility for the ownership, operation and/or maintenance of the Permittee's facilities as permitted herein.

8. The Permittee agrees to backfill any excavation it makes within the Property and to repair or replace (i) any below-grade authorized facilities and features located therein, including but not limited to: water, sewer, stormwater or irrigation facilities, structures or appurtenances and (ii) as to at or above-grade facilities and features, this requirement shall only be applicable to grasses and sod, sidewalks, and roadway improvements (the term roadway improvements shall include but not be limited to curbing, roadway base, sub grade and asphaltic or concrete surfaces) which are removed or damaged as a direct result of said excavation. Such repair or replacement shall substantially restore these features to their condition as it existed immediately prior to the event precipitating the excavation.

9. All below-grade Permittee installations, including water and sewer lines, whether sub aqueous or not, together with appurtenant facilities, shall be located underground and have a minimum ground cover of thirty inches (30") below original design profile grade, including District waterways and roadways.

10. All Permittee activity related to sub aqueous utility, water and/or sewer lines, including appurtenant facilities, shall be conducted in such fashion that the primary functional purpose of the canal or lake body facility, specifically flood control, within which the activity is taking place is not adversely affected. More specifically, sub aqueous construction shall conform to the criteria given in the Lehigh Acres Municipal Services Improvement District (Lehigh Acres – MSID) Administrative Policy and Procedures.

11. Permittee shall, at no expense to DISTRICT and within a reasonable time following notice, adjust the positions and elevations of its facilities as may be required in connection with future improvements to, or construction of, works of the DISTRICT.

12. Permittee does hereby indemnify and hold harmless the DISTRICT, its Board of Commissioners, officers, personnel, and it's Engineers against any claims, losses, damages (including consequential), expenses, or legal fees that might arise out or result from the implementation of the proposed project by the Permittee or that may be caused by a failure of DISTRICT facilities or property.

13. The Permittee shall be obligated at the time of submission of its Permit application, to provide a detail of any other existing improvements located over, under, upon or through the Property and the Permittee's accompanying plans and specifications shall clearly indicate how the Permittee will comply with required clearances between the requested permitted activity and existing improvements located over, under and upon the Property, including compliance with other permitted users duly adopted and published standards.

14. Permittee shall reimburse the DISTRICT for its legal, engineering and other expenses incurred as a result of the implementation of the proposed project.

15. If Permittee should violate any of the terms or conditions of the Permit and shall not correct or remedy same within ten (10) days of receiving written notice of said violation from the DISTRICT, then in that event, the DISTRICT may, at its option, revoke, cancel and terminate this Permit.

16. This Permit may not be assigned by the Permittee without the prior written approval of the DISTRICT.

17. Unless otherwise adjusted, modified or terminated as set forth hereinabove, including the Conditions attached hereto, this Permit shall continue in full force and effect so long as Permittee complies with the

terms of this Permit.

18. In any litigation, including breach, enforcement or interpretation arising out of this Permit, the prevailing party to this Permit shall be entitled to recover reasonable attorney's fees, costs and expenses related to said action from the non-prevailing party.

19. That attached hereto are Supplemental Conditions to this Permit which are incorporated herein and made a part hereof.

LEHIGH ACRES – MUNICIPAL SERVICES IMPROVEMENT DISTRICT

BY: _____

NAME TYPED: David E. Lindsay

TITLE: District Manager

SUPPLEMENTAL CONDITIONS TO PERMIT NO. 26-98

A. GENERAL CONDITIONS

1. Notification shall be given by the Permittee to the District Engineer, AIM Engineering, at 239-332-4569 forty-eight (48) hours prior to commencement of the permitted activity. The District Engineer shall establish points of construction, if applicable, which will require inspection by the District Engineer prior to construction of the permitted activity. When the Permittee considers the permitted activity complete, the Permittee shall notify the District Engineer and schedule an on-site final inspection which shall be held in the presence of a representative of the Permittee and the District Engineer.

2. The permitted activity shall be implemented, constructed and/or installed in full accordance with the approved plans and specifications within six (6) full calendar years from the date of permit approval. Deviations from the approved plans or specifications shall be coordinated with and approved by the District Engineer prior to implementation of any such deviation.

3. When working in a District road right-of-way, not more than one-half (½) of the road or street shall be closed and traffic shall be controlled so as to provide for the safety and minimum hindrance to the public. All traffic control operations shall conform to the most current issue of the Florida Department of Transportation publication "Manual on Traffic Controls and safe Practices for Street and Highway Construction, Maintenance and Utility Operations."

4. The District Engineer shall be the final authority as to the quality and quantity of the material and works required to satisfy the terms and conditions of this Permit as they relate to District improvements and facilities.

5. Upon completion of the permitted activity and after its final review and acceptance by the District Engineer THE PERMITTEE SHALL DELIVER TO THE DISTRICT OFFICE ONE COMPLETE SET OF THE FINAL "RECORD DRAWINGS." FAILURE TO PROVIDE THE FINAL RECORD DRAWINGS MAY RESULT IN THE REVOCATION, CANCELLATION AND TERMINATION OF THIS PERMIT.

6. The above Conditions shall be continuing obligations of the Permittee and shall be complied with in the event of any subsequent maintenance, repair, replacement or modification of the permitted improvement.

Stipulations:

1). Permit #26-98 is approved according to the plans submitted May 28th, 2026.

2). The proposed directional bore must maintain a minimum clearance of 10 feet below the bottom elevation of the canal for the entire 89' within the canal right of way.

3). Permanent utility markers, (at least 4' high) with the utility companies contact information clearly labeled on it, must be installed at each canal right of way line over top the proposed line.

4). All guy wires, poles, pull boxes, etc. must be located outside of the canal right of way and not interfere with the District's canal maintenance activities.

5). All canal R/W that is disturbed must be restored with sod and maintained until well established (no seeding will be allowed).

6). Boring contractor is not allowed to pump water out of the LAMSID canals for their boring operations unless they apply for and receive a water use permit from LAMSID.

7). The Permittee will be responsible for any repairs, alterations, or relocation of the utility if required for repairs or maintenance of the canal in the future.

8). Provide LAMSID with a copy of your record drawings and a copy of your bore depth logs showing where your utilities are located within the canal R/W and at what elevation they are located, within 30 days following completion of the improvements.

9). Lee County DOT must review and approve the utility work that is outside of the canal right of way along E. 21st St.

06 - 28 - 26
26 - 98

APPLICATION FOR A PERMIT

*Note: The review of permit applications will be conducted per the Lehigh Acres Municipal Services Improvement District's Administrative Policy and Procedures

AGENT NAME: WILLIAM KIEFER **PHONE #:** (515) 306 - 3403

PROJECT NAME: LE1_001_FDH_07 2904 E 21ST ST - DOGLEG CANAL 47-2-1

TOTAL ACREAGE: N/A

Property Address (STRAP associated with this address will be used as the primary STRAP for this project): 2904 E 21ST ST					
Mailing Address:	N/A				
City:	LEHIGH ACRES	**State:**	FLORIDA	**Zip:**	33920

STRAP NUMBERS (*attach additional sheet if necessary*):

0	2	-	4	4	-	2	7	-	L	3	-	0	2	0	0	7	-	0	2	4	B

Brief description of proposed project:

Application for: DIRECTIONAL BORE 2x1.25" HDPE SDR 11 CONDUIT 89' IN THE LAMSID ROW OF DOGLEG CANAL 47-2-1 ALONG E 21ST ST

RECEIVED
JUN 18 2026
LEHIGH ACRES
MUNICIPAL SERVICES
IMPROVEMENT DISTRICT

Is the project proposed to be developed in phases? ☐ Yes ☑ No

Estimated # of Phases:	1
***Permit Fee:**	$2085 **(to be verified by staff)**

* See Administrative Policy and Procedures Sections 4.15 – 4.17 for current Permit Fee Amount.

PART II

OWNER/APPLICANT/ DEVELOPER INFORMATION

A.

Name of Applicant	LUMOS FIBER OF FLORIDA, LLC						
Mailing Address:	**Street:**	4100 MENDENHALL OAKS PKWY, SUITE 300					
City:	HIGH POINT	**State:**	NORTH CAROLINA		**Zip:**	27265	
Phone No.	**Area Code:**	515	**Number:**	306 - 3403	**Ext.**		
Fax No.	**Area Code:**		**Number:**	-			
E-mail Address:	WILLIAM.KIEFER@LUMOSFIBER.COM						

B. **Relationship of applicant to property*:**
Owner* ☐ **Trustee*** ☐ **Option holder*** ☐ **Lessee*** ☐

Contract Purchaser* ☐ **Other (indicate)*** ☑ UTILITY

C.

Name of Developer:	MILENIUM DIRECTIONAL DRILLING, INC						
Mailing Address:	**Street:**	5395 COGSWELL DR					
	WAYNE	**State:**	MI		**Zip:**	48184	
	Area Code:	(313)	**Number:**	326 - 2333	**Ext.**		
Fax No.	**Area Code:**	( )	**Number:**	-			
E-mail Address:	FELECAND@MILENIUMBORS.COM						

D.

Name of Authorized Agent(s):	CENTILLION SOLUTIONS					
Mailing Address:	Street:	6030 BETHELVIEW RD, SUITE 301				
City:	CUMMING	State:	GEORGIA		Zip:	30040
Phone No.	Area Code:	(480)	Number:	442 - 0562	Ext.	
Fax No.	Area Code:	( )	Number:	-		
E-mail Address:	KYLE.PARKEY@CENTILLIONSOLUTIONS.COM					

E.

Name of Property owner:	N/A					
Mailing Address:	Street:					
City:		State:			Zip:	
Phone No.	Area Code:	( )	Number:	-	Ext.	
Fax No.	Area Code:	( )	Number:	-		
E-mail Address:						

*A disclosure of the name of all persons or entities having an ownership interest in the property is required (attached).

PART III

DISCLOSURE OF OWNERSHIP INTEREST FORM FORM:

__ __ - __ __ - __ __ - __ __ - __ __ __ __ __ - __ __ __ __

PRIMARY STRAP NUMBER:

1. If the property is owned in the fee simple by an **INDIVIDUAL**, tenancy by the entirety, tenancy in common, or joint tenancy, list all parties with an ownership interest as well as the percentage of such interest.

Name and Address	Percentage of Ownership

2. If the property is owned by a **CORPORATION**, list the officers and stockholders and the percentage of stock owned by each.

Name, Address, Office	Percentage of Stock

3. If the property is in the name of a **TRUSTEE**, list the beneficiaries of the trust with percentages of interest.

Name and Address	Percentage of Interest

4. If the property is in the name of a **GENERAL PARTNERSHIP OR LIMITED PARTNERSHIP**, list the names of general and limited partners.

Name and Address	Percentage of Interest

5. If there is a **CONTACT FOR PURCHASE**, whether contingent on this application Or not, and whether a Corporation, Trustee, or Partnership, list the names of the contract purchasers below, including the officers, stockholders, beneficiaries, or partners.

Name and Address	Percentage of Interest

Date of Contract (mm/dd/yy): / /

6. If any contingency clause or contract terms involve additional parties, list all individuals or officers, if a corporation, partnership, or trust.

Name and Address	Percentage of Interest

For any changes of ownership of changes in contracts for purchase subsequent to the date of the application, but prior to the date of final certificate for compliance, a supplemental disclosure of interest must be filed.

The above is a full disclosure of all parties of interest in this application, to the best of my knowledge and belief.

William Kiefer
SIGNATURE OF APPLICANT

WILLIAM KIEFER
PRINTED OR TYPED NAME OF APPLICANT

STATE OF FLORIDA
COUNTY OF LEE

The foregoing instrument was acknowledged before me this 17th day of June (m), 2026 (y), by William Kiefer who is personally know to me or has produced _____ as identification.

Shandie N Bradshaw
SIGNATURE OF NOTARY PUBLIC

Shandie N Bradshaw
PRINTED NAME OF NOTARY PUBL

SHANDIE NICOLE BRADSHAW NOTARY PUBLIC REG. #7132142 MY COMMISSION EXPIRES August 31, 2026 COMMONWEALTH OF VIRGINIA

PART IV

EXPLANATION

All Permit Application sections must be completed and submitted.

Permit Application fees and submittal items (see Part VI) must be submitted with the application.

Any and all work involving the lands and/or facilities of the District shall not commence without a Board approved permit.

All set policies, procedures, technical requirements, and fee schedules can be found and reviewed in the 'Administrative Policy and Procedures Guide'. The Guide is available at the District Office located at 601 East County Lane, Lehigh Acres, FL or online at la-msid.com/.

PART V

PROFESSIONAL CONSULTANT FORM

ATTORNEY

Name:							
Mailing Address:							
City:		**State:**				**Zip:**	
Business No.	**Area Code:**	( )	**Number:**	-		**Ext.**	
Other Contact:							

ENGINEER

Name:	MCKIM & CREED						
Mailing Address:	5701 DIVISION DR, STE A						
City:	FORT MYERS	**State:**		FLORIDA		**Zip:**	33905
Business No.	**Area Code:**	(239)	**Number:**	980 - 3384		**Ext.**	
Other Contact:							

OTHER REPRESENTATIVE/PROFESSIONAL

Name:	BLAIR CONSULTING SERVICES, INC						
Mailing Address:	1428 SUNBLUSH LN						
City:	LAS VEGAS	**State:**		NV		**Zip:**	89117
Business No.	**Area Code:**	(813)	**Number:**	579 - 0128		**Ext.**	
Other Contact:							

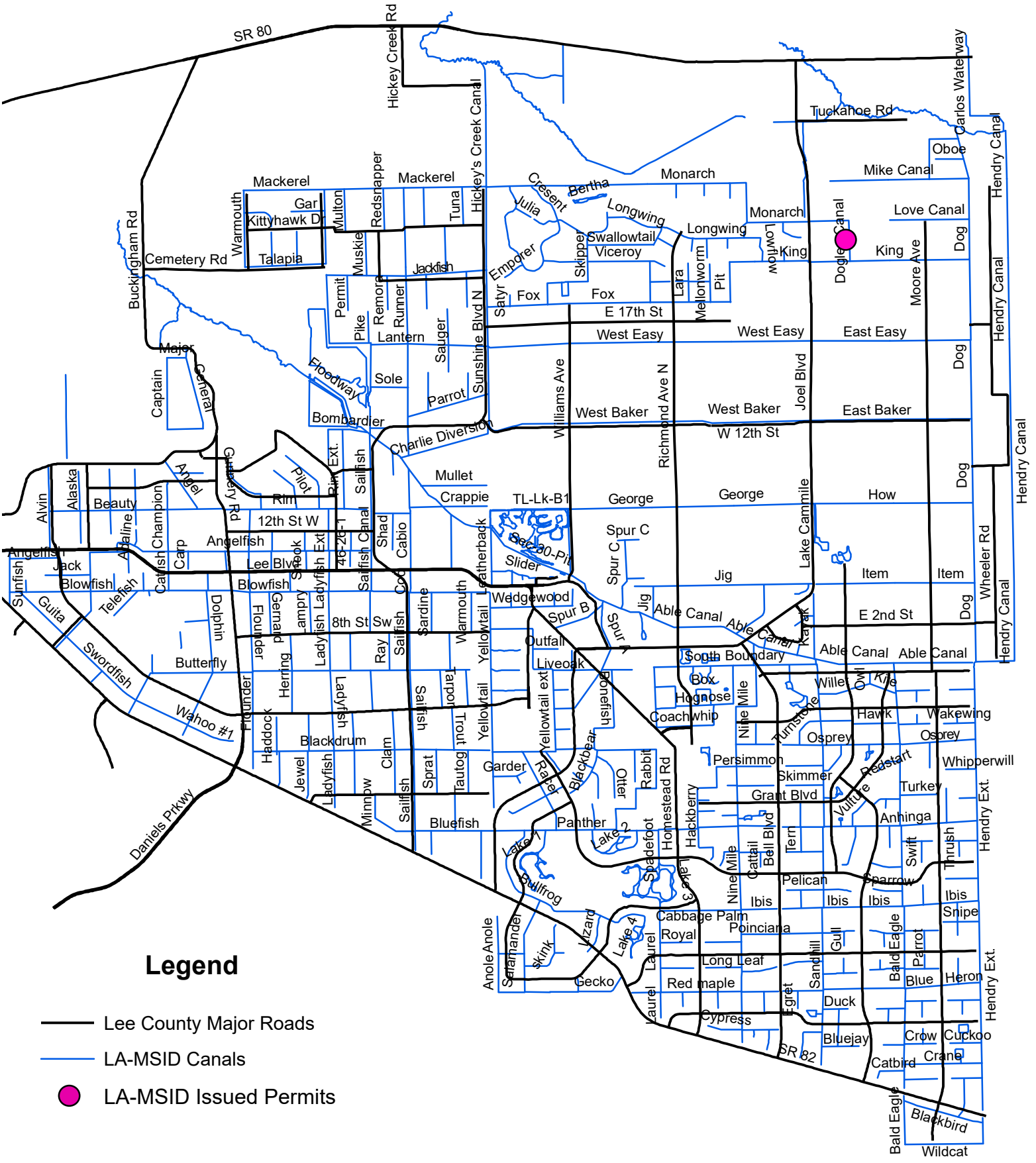
PART VI

SUBMITTALS

NO. OF COPIES		SUBMITTAL DOCUMENT
SUB'D	REQ'D	
		ITEMS REQUIRED FOR INITIAL SUBMITTAL
2	2	**Construction/Development Plans** signed and sealed by a Licensed Florida Professional Engineer including: 1. Location map showing the location of the proposed project in relation to adjacent streets and LA-MSID facilities. 2. Details of proposed works that fully communicate the work and/or use desired (i.e. Existing Conditions Survey, Proposed Site Plan, Paving Grading & Drainage Plan, Cross Sections, Element Details, and Erosion Control Plan sheets). 3. Sufficient survey data to determine elevations, property and ROW lines, limits of existing and proposed conditions, and notation of utilized vertical datum (NAVD/NGVD).
NA	2	**Stormwater Drainage Calculations** signed and sealed by a Licensed Florida Professional Engineer including, but not limited to, computer stormwater routing modeling data (ICPR4, Cascade, etc.) to verify compliance with the Design Criteria (input summary data below): **Water Quality Volume (Required):** _____(ACRE-FT) **Water Quality Volume (Provided):** _____(ACRE-FT) **Control Elevation:** _____(FT-NGVD) **Minimum Road/Parking Elevation:** _____(FT-NGVD) *(above the 10-year, 1-day design storm peak stage elevation)* **Minimum Perimeter Berm Elevation:** _____(FT-NGVD) *(above the 25-year, 3-day design storm peak stage elevation)* **Minimum Finished Floor Elevation:** _____(FT-NGVD) *(above the 100-year, 3-day design storm peak stage elevation and previously experienced high-water levels external to project)*
2	2	**Flash Drive / CD** containing plans in both AutoCAD (.dwg file drawn in "State Plane Coordinates") and PDF formats.
2	2	**Permit Application** (PARTS I & II)
2	2	**Disclosure of Owner Form (signed and notarized)** (PART III)
2	2	**Professional Consultant Form & Submittals** (PARTS V & VI)
NA	2	**Copy of Approved FDEP Notice of Intent (NOI)** for all sites one (1) acre and greater in size.
NA	2	**Copy of approved SWFMD permit**, for all sites required to get a permit, **or FDEP "10/2 Self-Certification"** approval.
1	1	**Check for appropriate Permit Fees** made out to LA-MSID.

Lehigh Acres Municipal Services Improvement District
♦601 East County Lane ♦Lehigh Acres, FL 33936 ♦Phone: (239) 368-0044

Permit # 2026-98

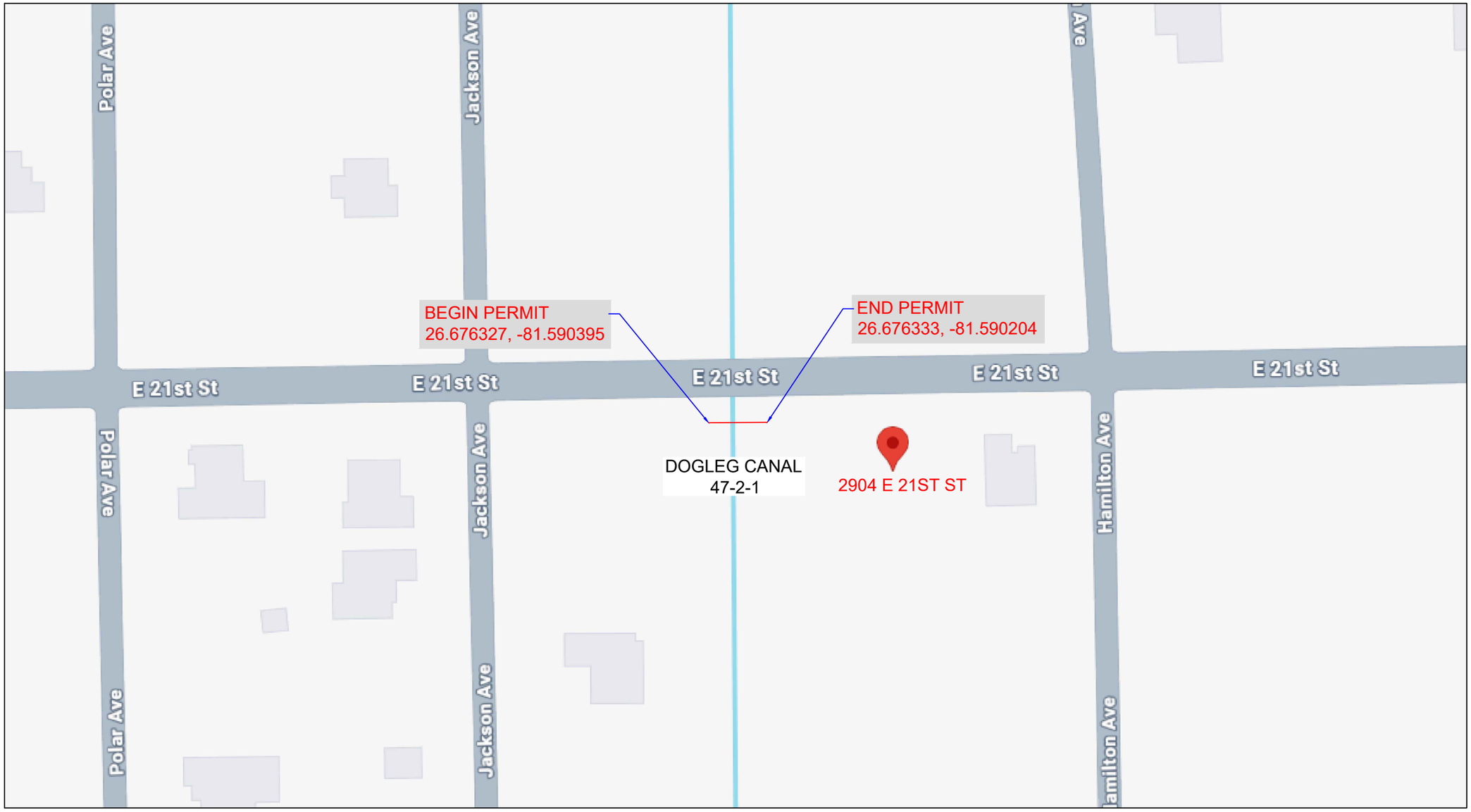


Legend

- Lee County Major Roads
- LA-MSID Canals
- LA-MSID Issued Permits

LE1_001_FDH_07 - LEHIGH ACRES_LEE COUNTY_FLORIDA - DOGLEG CANAL

2904 E 21ST ST, LEHIGH ACRES, FL 33920 (26.676347, -81.590273)



PERMIT #:

PROJECT DESCRIPTION

- BURIED PLACEMENT OF 309' OF (2) 1.25" HDPE SDR 11 CONDUIT EQUIPPED WITH (1) 96-CT FIBER OPTIC CABLE. (0) PROPOSED HANDHOLES.
- PIPE TO BE INSTALLED BY MEANS OF HORIZONTAL DIRECTIONAL DRILLING AND HAND DIGGING METHODS.
- ALL AREAS DISTURBED BY INSTALLATION TO BE RESTORED TO EXISTING OR BETTER CONDITION.

DRAWING INDEX

SHEET NUMBER	SHEET TITLE	SHEET NUMBER	SHEET TITLE
1	COVER SHEET	7	PROFILE VIEW
2	SOW AND CONTACTS	8 - 9	IMAGES
3	LEGEND	10 - 12	TYPICALS
4 - 5	GENERAL NOTES		
6	PROJECT SHEETS		

PERMITTING AGENCY
LA - MSID

lumos

BLAIR CONSULTING SERVICES, Inc.

1428 SUNBLUSH LN
LAS VEGAS, NV 89117

811 Know what's below. Call before you dig.

Blair Consulting Services, INC
1428 Sunblush Ln, Las Vegas, NV 89117
Fabio Perassi - Project Manager
fsperassi@gmail.com

LUMOS
William Kiefer - OSP Project Engineer
william.kiefer@lumosfiber.com
Phone: (515) 306-3403

Jason Bush - Construction Manager
jason.bush@lumosfiber.com
Phone: (941)812-2913

EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND BASED ON AVAILABLE RECORDS AND FIELD OBSERVATIONS. CONTRACTOR IS RESPONSIBLE FOR CALLING 811 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES AND ANY DAMAGE TO THE UTILITIES SHALL BE IMMEDIATELY REPAIRED AT THE CONTRACTOR'S EXPENSE.

REVISION DATA

NO.	DESCRIPTION	BY	DATE
----	----	----	----
----	----	----	----

SHEET TITLE: COVER SHEET

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_001_FDH_07
DESCRIPTION:	DOGLEG CANAL
DRAWING NAME:	LE1_001_FDH_07 - LEHIGH ACRES_LEE COUNTY_FLORIDA - DOGLEG CANAL
SHEET:	1 OF 12

SCOPE OF WORK

- BURIED PLACEMENT OF 309' OF (2) 1.25" HDPE SDR 11 CONDUIT EQUIPPED WITH (1) 96-CT MICROFIBER OPTIC CABLE. (0) PROPOSED HANDHOLES.
- PIPE TO BE INSTALLED BY MEANS OF HORIZONTAL DIRECTIONAL DRILLING AND HAND DIGGING METHODS.
- ALL AREAS DISTURBED BY INSTALLATION TO BE RESTORED TO EXISTING OR BETTER CONDITION.

UTILITY OWNER CONTACTS

LUMOS
William Kiefer - OSP Project Engineer
William.kiefer@lumosfiber.com
Phone: (515) 306-3403

Jason Bush - Construction Manager
jason.bush@lumosfiber.com
Phone: (941)812-2913

ENGINEERING COMPANY

Blair Consulting Services, INC
1428 Sunblush Ln,
Las Vegas, NV 89117

PROJECT MANAGER
Fabio Perassi
813-579-0128
fsperassi@gmail.com

UTILITIES CONTACTS

CENTURYLINK
BILL MCCLOUD
(850) 815-3144

LEE COUNTY ELECTRIC CO-OP
TOM BAILEY
(239) 656-2414

LUMOS FIBER OF FLORIDA, LLC
MARLON BROWN - SR DIRECTOR
MARLON.BROWN@LUMOSFIBER.COM
(540) 278-0304

FLORIDA GOVERNMENTAL UTILITIES AUTHORITY - LEHIGH
POTABLE WATER/SANITARY SEWER
LINA MARIA QUINTERO, PE
(727) 858-2396

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT
MICHAEL COOK
(239) 368-0044 Ext. 16
MCOOK@LA-MSID.COM
STORM WATER/CANALS

LEE COUNTY DEPARTMENT OF TRANSPORTATION (DOT)
COMMERCIAL RIGHT OF WAY USE PERMIT
(239) 533-8580
ROADS

FDOT
DISTRICT 1 - COUNTIES: CHARLOTTE, COLLIER, DESOTO, GLADES, HARDEE, HENDRY, HIGHLANDS, LEE, MANATEE, OKEECHOBEE, POLK, SARASOTA
801 N. BROADWAY AVENUE
BARTOW, FLORIDA 33830
PHONE: (800) 292-3368
PHONE: (239) 225-1900

PERMITTING AGENCY
LA - MSID

lumos

BLAIR CONSULTING SERVICES, Inc.

1428 SUNBLUSH LN
LAS VEGAS, NV 89117

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REVISION DATA

NO.	DESCRIPTION	BY	DATE
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SHEET TITLE:
SOW & CONTACTS

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_001_FDH_07
DESCRIPTION:	DOGLEG CANAL
DRAWING NAME:	LE1_001_FDH_07 - LEHIGH ACRES_LEE COUNTY_FLORIDA - DOGLEG CANAL
SHEET:	2 OF 12

LINETYPES

- UG FIBER – EXISTING
- UG FIBER – PROPOSED
- AERIAL FIBER – EXISTING
- AERIAL FIBER – PROPOSED
- COMMUNICATION (COM)
- RECLAIM WATER (RCW)
- DITCH
- GUARDRAIL
- ROAD CENTERLINE
- EASEMENT (ESMT)
- GAS (G)
- WATER (W)
- TELEPHONE (T)
- ELECTRIC (E)
- SANITARY SEWER (SEW)
- STORM DRAIN (SD)
- FENCE (X)
- CABLE TV (TV)
- STEAM (STM)
- OIL (OIL)
- UNKNOWN UTILITY (UNK)
- RIGHT OF WAY (R/W)
- EDGE OF PAVEMENT (EOP)
- SIDEWALK (S/W)

SYMBOL	DESCRIPTION
BP	BORE PIT
EOP	EDGE OF PAVEMENT
EOTW	EDGE OF TRAVEL WAY
FOC	FIBER OPTIC CABLE
HDPE	HIGH DENSITY POLYETHYLENE
HH	HANDHOLE
JB	JUNCTION BOX
MH	MANHOLE
MP	MILE POST
O/S	OFFSET
PVC	POLY VINYL CHLORIDE
RGS	RIGID GALVANIZED STEEL CONDUIT
ROW	RIGHT OF WAY
S/W	SIDEWALK
STA.	STATION

- CB — CABINET
- P — PEDESTAL
- E — ELECTRIC
- EM — ELECTRIC METER
- MH — MANHOLE
- R — RISER
- T — TELEPHONE
- P — POWER VAULT
- CATCH BASIN/INLET
- FIRE HYDRANT
- GROUND/BOND
- STREET LIGHT
- TREE
- CULVERT
- WING WALL
- BRIDGE
- U — MISC. UTILITY
- UTILITY POLE – EXISTING
- OWNER ID — POLE – PROPOSED
- HH — HANDHOLE – EXISTING
- HH — HANDHOLE – PROPOSED
- PD — PEDESTAL – PROPOSED
- MKR — PROMARK DOME MARKER POST
- BORE PIT – PROPOSED

- 0' — AERIAL STORAGE – EXISTING
- 0' — AERIAL STORAGE – PROPOSED
- 0' — VAULT/BUILDING STORAGE – EXISTING
- 0' — VAULT/BUILDING STORAGE – PROPOSED
- POLE ANCHOR/DOWN GUY – EXISTING
- POLE ANCHOR/DOWN GUY – PROPOSED
- PROPOSED DOWN GUY ON EXISTING ANCHOR
- FDP / NAME / SIZE / LOCATION — TERMINATION – EXISTING
- FDP / NAME / SIZE / LOCATION — TERMINATION – PROPOSED
- BUILDING / NAME / STREET — BUILDING CALLOUT – PROPOSED
- MANUFACTURER NAME — SPLICE POINT – EXISTING
- MANUFACTURER NAME — SPLICE POINT – PROPOSED

#F	
	IN: 0
	OUT: 0

SEQUENTIAL CALLOUT

#F	
	IN: 0
	TAIL: 0

SEQUENTIAL IN TAIL CALLOUT

#F	
	TAIL: 0
	OUT: 0

SEQUENTIAL TAIL OUT CALLOUT

POLE NO	N/A
UTILITY1	0'-0"

POLE ATTACHMENT CALLOUT – EXISTING
USE DYNAMIC PULL DOWN TO SELECT FROM 1 TO 6 ATTACHMENTS

POLE NO	N/A
UTILITY1	0'-0"

POLE ATTACHMENT CALLOUT – PROPOSED
USE DYNAMIC PULL DOWN TO SELECT FROM 1 TO 6 ATTACHMENTS

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SHEET TITLE: LEGEND

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_001_FDH_07
DESCRIPTION:	DOGLEG CANAL
DRAWING NAME:	LE1_001_FDH_07 - LEHIGH ACRES_LEE COUNTY_FLORIDA - DOGLEG CANAL
SHEET:	3 OF 12

GENERAL NOTES

CONTRACTOR MUST OBTAIN LOCATES PRIOR TO DISTURBING THE GROUND.

CONTRACTOR MUST HAVE A COPY OF THE APPROVED PERMIT FROM THE APPROPRIATE AGENCY ON THE JOBSITE AT ALL TIMES.

ALL CABLE WILL BE PLACED AT A MINIMUM DEPTH OF 36" DEEP UNLESS OTHERWISE DIRECTED BY A REPRESENTATIVE OF THE UTILITY OWNER.

ANY LANDSCAPING WILL BE REPLACED TO EQUAL OR BETTER THAN THAT WHICH EXISTED PRIOR TO WORK, 72 HOURS AFTER COMPLETION OF WORK.

PROJECT SITE WILL BE PROPERLY SECURED PRIOR TO THE END OF EACH DAY.

ALL WORK IS TO BE IN ACCORDANCE WITH ALL AUTHORITIES HAVING JURISDICTION IN THE WORK ZONE.

CONTRACTORS ARE ADVISED TO CONTACT THE PROJECT MANAGER FOR ANY ADDITIONAL INFORMATION OR CLARIFICATION CONCERNING SCOPE OF WORK OR THE REQUIREMENTS NECESSARY FOR PROJECT COMPLETION.

CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY ALL DIMENSIONS, QUANTITIES AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION. IF A SIGNIFICANT CHANGE TO THE RUNNING LINE IS NEEDED, PLEASE CONTACT THE PROJECT MANAGER BEFORE PROCEEDING.

BEFORE CONSTRUCTION BEGINS, CONTRACTOR SHALL TAKE APPROPRIATE PRECAUTIONS TO AVOID ANY POTENTIAL OBSTRUCTIONS PRIOR TO PROCEEDING WITH WORK.

NO CONSTRUCTION ON PRIVATE PROPERTY WILL COMMENCE UNTIL APPROVAL IS GIVEN BY A REPRESENTATIVE OF THE UTILITY OWNER.

CONTRACTOR SHALL NOT PROCEED WITH WORK UNTIL THEY HAVE RECEIVED A PURCHASE ORDER AND HAVE BEEN DIRECTED TO DO SO BY AN AUTHORIZED REPRESENTATIVE OF THE UTILITY OWNER.

CONTRACTOR SHALL NOT EXCEED THE PURCHASE ORDER VALUE WITHOUT AUTHORIZATION IN WRITING FROM THE APPROPRIATE REPRESENTATIVE OF THE UTILITY OWNER.

AS-BUILTS WILL BE REQUIRED FOR EACH PROJECT INCLUDING CABLE FOOTAGE SEQUENTIALS AT EVERY ACCESS POINT, SLACK LOOP, SPLICE LOCATION, POLE AND TERMINATION POINT. CONTRACTOR SHOULD ALSO PROVIDE NOTES OF ALL CHANGES IN DEPTHS, RUNNING LINES, MH/HH LOCATIONS, AND ANY OTHER APPLICABLE NOTES TO DEPICT THE WORK THAT TOOK PLACE. NOTE: ALL MAJOR CHANGES NEED TO BE PRE-APPROVED BY AN AUTHORIZED REPRESENTATIVE OF THE UTILITY COMPANY PRIOR TO STARTING THE WORK.

SITE CONDITIONS

THE ACTUAL LOCATION OF EXISTING CONDUIT AND CABLES MAY VARY FROM THE LOCATION SHOWN. REPAIR OF ANY DAMAGED CONDUIT CONTAINING CABLE SHALL BE MADE BY USE OF PVC SPLIT DUCT. THE CONTRACTOR SHALL ENCLOSE THE EXISTING CABLES IN PVC.

THE LOCATIONS OF EXISTING UTILITIES SHOWN IN THIS PLAN ARE APPROXIMATE. WHEN WORK IS TO BE CONDUCTED IN THE VICINITY OF KNOWN UTILITIES, THEIR ACTUAL LOCATION MUST BE FIELD VERIFIED TO AVOID CONFLICTS OR DAMAGE TO THOSE UTILITIES. VARIATION IN LOCATION BETWEEN "RECORDED POSITIONS" AND ACTUAL POSITIONS SHOULD BE ANTICIPATED.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES. BURIED UTILITIES MAY EXIST IN THE AREA IN ADDITION TO THOSE SHOWN ON THE PLAN. THE CONTRACTOR SHALL CONTACT PROPERTY OWNERS WHEN WORKING WITHIN PRIVATE EASEMENTS FOR LOCATION OF UNDERGROUND TANKS, PIPELINES, DRAIN TILES, OR OTHER BURIED IMPROVEMENTS. THE CONTRACTOR SHALL ALSO NOTIFY THE UTILITY NOTIFICATION CENTER PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITIES.

THE CONTRACTOR MUST ASSUME ALL BURIED UTILITIES ENCOUNTERED ARE ALIVE AND ACTIVE UNLESS SPECIFICALLY INSTRUCTED OTHERWISE BY OWNERS OR OPERATORS OF SAID UTILITIES.

DAMAGE TO SUB-SURFACE STRUCTURES IS THE SOLE RESPONSIBILITY OF THE PLACING CONTRACTOR.

THE CONTRACTOR SHALL PROTECT THE EXISTING TRAFFIC CONTROL LOOPS. IF EXISTING TRAFFIC CONTROL LOOPS ARE DAMAGED DURING CONSTRUCTION, THE ENTIRE LOOP WIRE FROM TERMINAL TO TERMINAL SHALL BE REPLACED IN ACCORDANCE WITH GOVERNING AGENCY STANDARDS AND REGULATIONS AT CONTRACTOR'S EXPENSE.

REMOVAL OF EXISTING ASPHALT PAVEMENT, CONCRETE CURBS, AND CONCRETE SIDEWALKS WILL BE "NEAT LINE" WITH SAW OR PAVEMENT CUTTER, PER REQUIREMENTS AND SPECIFICATIONS OF THE AGENCY OR DEPARTMENT RESPONSIBLE FOR EACH LOCATION. IF CONCRETE PAVEMENT IS ENCOUNTERED WHILE EXCAVATING CONDUIT TRENCHES, THE CONCRETE REMOVAL WILL BE "NEAT LINE" WITH A PAVEMENT SAW.

IF CONCRETE CURB RETURNS AND/OR SIDEWALKS ARE REPLACED DUE TO CONDUIT OR MANHOLE INSTALLATION, THE CONTRACTOR SHALL PLACE APPROVED HANDICAPPED SIDEWALK AND CURB ACCESS RAMPS IN CONFORMANCE WITH THE APPROPRIATE STATE STATUTES.

ALL MATERIALS NECESSARY FOR THE REPAIR OF STREETS, CURBS, SIDEWALKS, SANITARY SEWERS, STORM SEWERS, AND PUBLIC SERVICE UTILITIES, AND THE INSTALLATION OF SUCH MATERIALS SHALL BE IN CONFORMANCE WITH THE REQUIREMENTS AND SPECIFICATIONS OF THE AGENCY OR DEPARTMENT RESPONSIBLE FOR THE OPERATION AND MAINTENANCE OF THE REPAIRED FACILITY.

ALL WORK SHALL CONFORM TO THE SPECIFICATIONS OF THE JURISDICTIONAL PERMIT AGENCY.

ALL OPEN TRENCH WILL BE CLEARLY MARKED WITH BARRICADES OR CONES. STEEL PLATES OR OTHER TYPES OF BRIDGING SHALL BE PROVIDED TO COVER OPEN TRENCH IN THE TRAVEL PORTION OF THE STREETS. THESE PLATES OR BRIDGING SHALL BE ADEQUATE TO SUPPORT THE NORMAL VEHICLE LOADS ANTICIPATED IN THIS AREA AND SHALL BE IN PLACE DURING ALL NON-WORKING AREAS.

ALL SURFACES TO BE RESTORED TO ORIGINAL CONDITION, AND BACKFILL TO BE COMPACTED AS SPECIFIED. TRENCH EXCAVATION IN SURFACES WHICH INCLUDE CONCRETE TREATED BASE SHALL FOLLOW LOCAL AREA SPECIFICATIONS.

HAZARDOUS MATERIALS

THE CONTRACTOR SHALL NOTIFY THE JURISDICTIONAL PERMIT AGENCY IMMEDIATELY IF ANY MATERIALS ARE ENCOUNTERED THAT ARE CONSIDERED HAZARDOUS BY THE EPA, DEQ, OR OSHA. IF POTENTIALLY HAZARDOUS MATERIALS ARE ENCOUNTERED THE CONTRACTOR SHALL SECURE THE SITE AND PREVENT THE ACCIDENTAL EXPOSURE BY THE PUBLIC OR THE CONTRACTOR'S PERSONNEL.

THE CONTRACTOR MAY EXCAVATE UP TO, BUT SHALL NOT DISTURB KNOWN HAZARDOUS MATERIALS SUCH AS ASBESTOS, OILS, ACID, ETC. THE REMOVAL OF ALL HAZARDOUS MATERIALS MUST BE DONE BY AN APPROVED OR CERTIFIED HAZARDOUS MATERIALS CONTRACTOR LICENSED IN THE APPROPRIATE STATE.

A COPY OF ALL CORRESPONDENCE PERTINENT TO THE REMOVAL OF HAZARDOUS MATERIALS SHALL BE TRANSMITTED TO OWNER AND A COPY SHALL BE AVAILABLE AT THE PROJECT OFFICE AND THE JOB SITE.

AERIAL NOTES

- AERIAL CONSTRUCTION TO BE PERFORMED TO INDUSTRY ACCEPTABLE STANDARDS.
- ALL HEIGHTS OF CABLE PLACEMENT WILL BE RECORDED AT TIME OF CONSTRUCTION. DOCUMENT ALL POINTS OF ATTACHMENT.
- ALL EXTENSION ARMS TO BE PLACED WILL BE EPOXY ARMS UNLESS OTHERWISE NOTED OR APPROVED BY THE INSPECTOR.
- BOND STRAND TO POWER MGN WHERE APPLICABLE. ANCHORS TO BE USED WILL BE 3/4 SCREW IN TYPE.
- ALL STRAPS WILL BE PLACED 4" BEFORE AND AFTER EVERY SUPPORTING CLAMP AT A MINIMUM OF 21" APART.
- P.O.A. = POINT OF ATTACHMENT.
- ADD MISSING GROUNDS.
- REPAIR/REPLACE EXISTING LASHING WIRE IF DAMAGED.

CONSTRUCTION STAKING

IN AREAS WHERE THE CONDUIT ALIGNMENT IS NOT CLEARLY DEFINED BY CURB LINES, FENCE LINES, OR OTHER EVIDENCE OF THE RIGHT-OF-WAY, THE ENGINEER WILL PROVIDE CENTERLINE STAKES OR PAINT MARKS WHERE REQUIRED TO MAKE THE PROPOSED CONDUIT ALIGNMENT EVIDENT.

MANHOLE CENTERS WILL BE FIELD STAKED BY THE ENGINEER WHEN REQUESTED WITH OFFSET STAKES AT RIGHT ANGLES (90°) TO THE CONDUIT ALIGNMENT.

CLOSURES IDENTIFIED IN THE PLANS SHALL BE LOCATED BY THE CONTRACTOR. DEVIATION FROM PLAN LAYOUT SHALL BE APPROVED BY THE ENGINEER PRIOR TO CONDUIT AND/OR CLOSURE INSTALLATION.

IF ADDITIONAL, FIELD STAKING OR LOCATION OF CONDUITS, MANHOLES, PROPERTY LINES, ETC., BECOMES NECESSARY, THE CONTRACTOR IS TO NOTIFY THE INSPECTOR OR THE ENGINEER TWO WORKING DAYS PRIOR TO BEGINNING THE WORK.

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SHEET TITLE: GENERAL NOTES

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_001_FDH_07
DESCRIPTION:	DOGLEG CANAL
DRAWING NAME:	LE1_001_FDH_07 - LEHIGH ACRES_LEE COUNTY_FLORIDA - DOGLEG CANAL
SHEET:	4 OF 12

PERMITS - FRANCHISES - EASEMENTS

PHYSICAL WORK SHALL NOT BE STARTED UNTIL THE GOVERNING AGENCY INSPECTOR AND THE CONTRACTOR ARE IN POSSESSION OF AND HAVE CAREFULLY REVIEWED AND FULLY UNDERSTAND ALL CONDITIONS AND SPECIFICATIONS SET FORTH IN THE REQUIRED PERMITS, FRANCHISES, AND/OR EASEMENTS.

PLACING FOREMAN TO HAVE A COPY OF THE PERMITS/EASEMENTS ON SITE AT ALL TIMES.

ANY CONFLICT BETWEEN WORK PRINT SPECIFICATIONS AND SPECIFICATIONS SET FORTH UNDER RELATED PERMITS, FRANCHISES, AND/OR EASEMENTS MUST BE CLEARED BY PROPER COMPANY AUTHORITY BEFORE PROGRESSING WITH WORK INVOLVED

TRAFFIC CONTROL

THIS PROJECT WILL INVOLVE WORKING ALONG A MAJOR ARTERIAL ROAD AND HEAVY TRAFFIC VOLUME SHOULD BE ANTICIPATED.

UNIFORM TRAFFIC FLOW SHALL BE MAINTAINED AT ALL TIMES. ONLY EQUIPMENT AND MATERIALS NECESSARY FOR IMMEDIATELY SCHEDULED OR IN PROGRESS WORK WILL BE MAINTAINED IN THE WORK AREA. ALL OTHER EQUIPMENT AND MATERIALS WILL BE "STORED OR STOCKPILED" IN SUCH A MANNER AS TO ELIMINATE HAZARDOUS CONDITIONS FOR TRAFFIC OR PEDESTRIANS DURING NON-WORKING OR SHUT DOWN PERIODS.

TRAFFIC WARNING DEVICES AND SIGNS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (U.S. GOVERNMENT PRINTING OFFICE) AND TO THE STATE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION. HIGH LEVEL WARNING TYPE DEVICES ARE TO BE USED AT ALL TIMES AND SPECIAL WARNING DEVICES MAY BE STIPULATED BY THE JURISDICTIONAL PERMIT AGENCY AT ANY TIME THE USE WILL ADD TO THE SAFETY AND PROTECTION OF TRAFFIC OR PEDESTRIANS IN THE CONSTRUCTION AREA.

ALL CONDUIT TRENCHING IN PAVED AREAS SHALL BE BACKFILLED WITH CRUSHED GRAVEL OR COMPLETELY COVERED AT THE COMPLETION OF EACH WORKING DAY. ANY BACKFILLED TRENCH SHALL BE CAPPED WITH A MINIMUM LAYER OF ASPHALTIC CONCRETE COLD PATCH AT THE END OF EACH WORKING DAY.

THE CONTRACTOR SHALL MARK THE CONDUIT TRENCH AND DEFINE HIS CONSTRUCTION AREA CLEARLY WITH BARRICADES, CONES, AND/OR OTHER VISIBLE METHODS THAT ALERT THE PUBLIC OF THE CONSTRUCTION ACTIVITY.

A TRAFFIC CONTROL PLAN SHALL BE PREPARED BY THE CONTRACTOR AS REQUIRED AND SUBMITTED TO EACH PERMITTING AGENCY REQUESTING SUCH PLAN FOR REVIEW AND APPROVAL OR REVISION PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITY FOR THIS PROJECT. THE APPROVED PLAN SHALL BE SUBMITTED TO THE AGENCY AND A COPY OF THE PLAN SHALL BE KEPT AT THE CONSTRUCTION SITE AND MUST BE READILY AVAILABLE REVIEW BY THE AGENCY REPRESENTATIVES.

SPECIAL UTILITY CLEARANCES

ALL WORK CONDUCTED ADJACENT TO WATER MAINS SHALL CONFORM TO THE FOLLOWING CONDITIONS:

A. WHEREVER POSSIBLE CONDUIT SHALL MAINTAIN A HORIZONTAL SEPARATION OF 3.0 FEET, MEASURED SURFACE TO SURFACE (OUTSIDE EDGE TO OUTSIDE EDGE), FROM PARALLEL WATER MAINS.

B. WHEREVER POSSIBLE, CONDUIT SHALL PASS UNDER EXISTING WATER MAINS AND MUST MAINTAIN 24" VERTICAL CLEAR SEPARATION. CONDUITS PASSING OVER WATER MAINS MUST ALSO MAINTAIN THE 24" VERTICAL SEPARATION.

C. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING THIS REQUIRED VERTICAL SEPARATION BY EITHER EXPOSING THE WATER MAIN EVERY 100 FEET IN THOSE AREAS WHERE HORIZONTAL SEPARATION IS LESS THAN 3.0 FEET OR BY UTILIZING THE DEPTHS OF ADJACENT WATER VALVES. IF THE CONTRACTOR UTILIZES THE ADJACENT WATER TO DETERMINE WATER MAIN DEPTH, HE SHALL CONTACT THE AGENCY AT EACH SUCH LOCATION AND THE AGENCY WILL DETERMINE THE NECESSARY DEPTH OF THE TOP OF THE CONDUIT AT THAT POINT.

D. THE VERTICAL AND HORIZONTAL SEPARATION SHALL BE MAINTAINED AT ALL TIMES UNLESS SPECIFICALLY REVISED BY AGREEMENT BETWEEN THE JURISDICTIONAL PERMIT AGENCY AND THE AGENCY ANY SPECIFIC DEVIATION IN VERTICAL AND HORIZONTAL SEPARATION FROM THOSE DESCRIBED SHALL BE REPORTED TO THE OWNER BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING VERTICAL AND HORIZONTAL SEPARATION AT ALL TIMES AND SHALL BE RESPONSIBLE FOR ANY AND ALL ENCROACHMENTS.

E. CLEARANCES TO STORM SEWERS AND SANITARY SEWERS SHALL BE EXACTLY THE SAME AS THOSE TO WATER MAINS.

STRUCTURE PROTECTION

MANHOLES AND CONDUIT TO BE PLACED ADJACENT TO EXISTING STRUCTURES SUCH AS BRIDGE BRIDGE FOOTINGS/PIERS, BUILDING FOUNDATIONS, WALLS, POWER AND TELEPHONE POLES, AND OTHER UTILITIES SHALL MAINTAIN A MINIMUM CLEARANCE AS SHOWN. THE CONTRACTOR SHALL NOT UNDERMINE ANY ADJACENT STRUCTURE WITHOUT SPECIFIC WRITTEN PERMISSION FROM THE OWNER/OPERATOR OF SUCH STRUCTURE.

SHORING USED AS FOUNDATION SUPPORT SHALL BE DESIGNED SPECIFICALLY FOR BOTH THE LIVE AND DEAD LOADS OF THE STRUCTURE, OR IF ONLY THE DEAD LOAD IS USED FOR DESIGN, THE CONTRACTOR SHALL PROVIDE A DETAILED LAYOUT AND PLAN OF THE METHOD OF ESTABLISHING AND MAINTAINING THE DESIGN LOAD CONDITIONS (I.E., ROAD DETOURS, TIEBACKS, ETC.).

SEE UTILITY CLEARANCE SECTION NOTES FOR CLEARANCE CRITERIA TO PARALLEL OR CROSS UTILITIES.

EXISTING UTILITIES EXPOSED DURING EXCAVATION SHALL BE 100% SUPPORTED BY EITHER TRENCH BRIDGING AND SUSPENSION OR BY THE USE OF LONGITUDINAL TRAYS OR PLATFORMS VERTICALLY SUPPORTED BY ADJUSTABLE BUILDING JACKS.

EXISTING SPLICE CASES AND CABLES SHALL BE SUPPORTED BY SUSPENSION FROM A CROSSING BEAM. SUPPORTS SHALL BE PLACED AT A MAXIMUM SPACING OF 4.0 FEET AND SHALL CONSIST OF A CANVAS SLING WITH NYLON BELTING OR ROPE. ALL CABLE SUPPORTS SHALL BE PLACED IN A MANNER THAN PREVENTS KINKS OR OTHER DAMAGE TO THE CABLE SHEATH.

AN ACCEPTABLE ALTERNATIVE TO CABLE SLINGS WOULD BE THE UTILIZATION OF A WIDE FLANGE "I" BEAM OR CHANNEL AS A "CABLE TRAY" WITH THE CABLES/CASES BANDED IN PLACE.

SHORING

THE CONTRACTOR SHALL PROVIDE SHORING FOR CONDUIT TRENCH EXCAVATION 42" OR MORE IN DEPTH AS MEASURED FROM THE HIGH SIDE OF THE TRENCH AND FOR ALL MANHOLE EXCAVATION.

MANHOLE SHORING SHALL BE TIGHT-SHEETED.

ALL SHORING SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF LOCAL COUNTY AND THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA).

SHORING SHALL BE DESIGNED TO MEET H-20 HIGHWAY LOADING.

THE CONTRACTOR SHALL PROVIDE ALL SHORING AND DESIGN CALCULATIONS TO THE PERMIT ISSUING AGENCY PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITY.

UTILITY NOTE:

EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND BASED ON AVAILABLE RECORDS, VERBAL INFORMATION AND/OR PHYSICAL FEATURES. PRIOR TO CONSTRUCTION (AT LEAST 72 HOURS OR THE MORE RESTRICTIVE MINIMUM NOTIFICATION PERIOD), THE CONTRACTOR SHALL CONTACT SUNSHINE 811 TO ALLOW MARKING OF EXISTING BURIED UTILITIES WITHIN THE SCOPE OF THE PROPOSED WORKZONE.

SOFT DIGS &/OR POTHOLING SHALL BE REQUIRED BY CONTRACTOR TO IDENTIFY EXISTING UTILITY DEPTHS.

MINIMUM 24" SEPARATION SHALL BE MAINTAINED FROM ALL EXISTING UTILITIES UNLESS SUPERVISED.

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SHEET TITLE:
GENERAL NOTES

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
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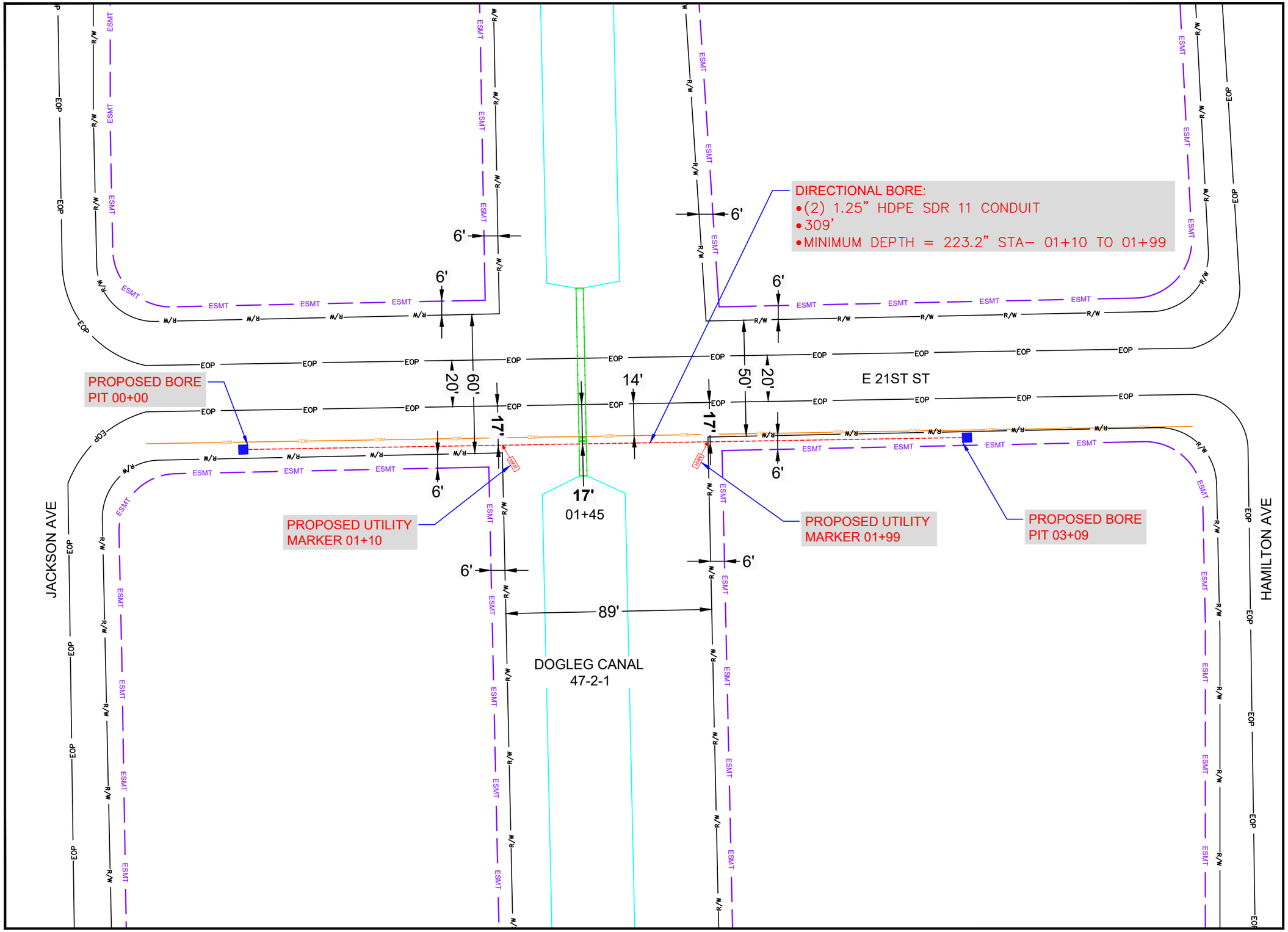
DESCRIPTION:	DOGLEG CANAL
DRAWING NAME:	LE1_001_FDH_07 - LEHIGH ACRES_LEE COUNTY_FLORIDA - DOGLEG CANAL
SHEET:	5 OF 12



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0 10' 20' 30' 40'
SCALE: 1"=40'

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NO.	DESCRIPTION	BY	DATE
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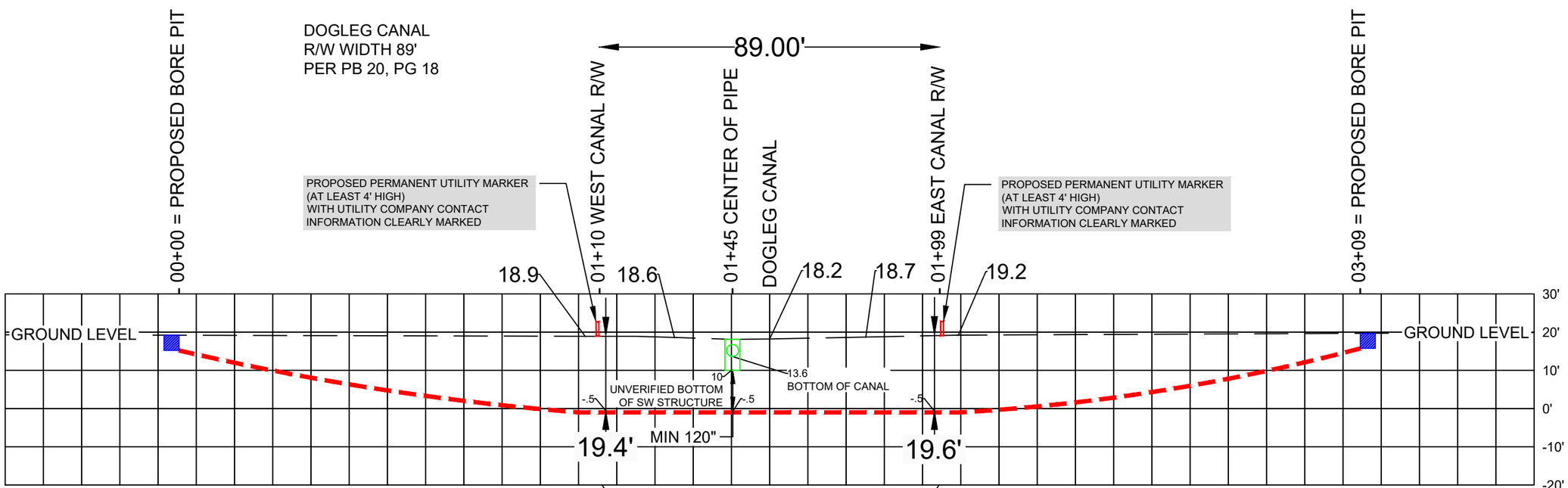
SHEET TITLE:
PROJECT SHEET

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_001_FDH_07
DESCRIPTION:	DOGLEG CANAL
DRAWING NAME:	LE1_001_FDH_07 - LEHIGH ACRES_LEE COUNTY_FLORIDA - DOGLEG CANAL
SHEET:	6 OF 12

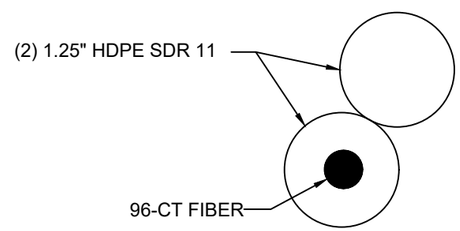
SUB-GRADE VERTICAL PROFILE VIEW
E 21ST ST
LOOKING NORTH



UTILITY NOTE:

EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND BASED ON AVAILABLE RECORDS, VERBAL INFORMATION AND/OR PHYSICAL FEATURES. PRIOR TO CONSTRUCTION (AT LEAST 72 HOURS OR THE MORE RESTRICTIVE MINIMUM NOTIFICATION PERIOD), THE CONTRACTOR SHALL CONTACT SUNSHINE 811 TO ALLOW MARKING OF EXISTING BURIED UTILITIES WITHIN THE SCOPE OF THE PROPOSED WORKZONE.

PIPE DETAIL



PERMITTING AGENCY
LA - MSID

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1428 SUNBLUSH LN
LAS VEGAS, NV 89117

811 Know what's below. Call before you dig.

0 10' 20' 30'
SCALE: 1"=30'

EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND BASED ON AVAILABLE RECORDS AND FIELD OBSERVATIONS. CONTRACTOR IS RESPONSIBLE FOR CALLING 811 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES AND ANY DAMAGE TO THE UTILITIES SHALL BE IMMEDIATELY REPAIRED AT THE CONTRACTOR'S EXPENSE.

REVISION DATA

NO.	DESCRIPTION	BY	DATE
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SHEET TITLE:	PROFILE VIEW
PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_001_FDH_07
DESCRIPTION:	DOGLEG CANAL
DRAWING NAME:	LE1_001_FDH_07 - LEHIGH ACRES_LEE COUNTY_FLORIDA - DOGLEG CANAL
SHEET:	7 OF 12

STREET LEVEL VIEW
STA 01+10
FACING EAST



05/09/2026 10:28AM
26.676327, -81.590395
2026 JACKSON AVE
LEHIGH ACRES, FL 33920

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REVISION DATA

NO.	DESCRIPTION	BY	DATE
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SHEET TITLE: IMAGES

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_001_FDH_07
DESCRIPTION:	DOGLEG CANAL
DRAWING NAME:	LE1_001_FDH_07 - LEHIGH ACRES_LEE COUNTY_FLORIDA - DOGLEG CANAL
SHEET:	8 OF 12



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REVISION DATA

NO.	DESCRIPTION	BY	DATE
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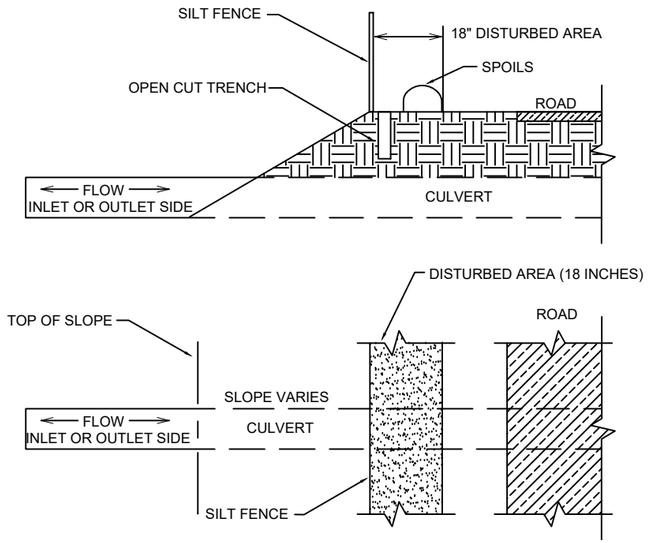
SHEET TITLE: IMAGES

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_001_FDH_07
DESCRIPTION:	DOGLEG CANAL
DRAWING NAME:	LE1_001_FDH_07 - LEHIGH ACRES_LEE COUNTY_FLORIDA - DOGLEG CANAL
SHEET:	9 OF 12

TYPICALS

CULVERT CUT OVER ON ROADSIDE SHOULDER

NOT TO SCALE



GENERAL NOTES

1. INSTALL SILT FENCE TO PROTECT DOWNSTREAM AREAS FROM SEDIMENTATION PRIOR TO CONSTRUCTION.
2. INSTALL SILT FENCE AS NEEDED TO PROTECT DRAINAGE FEATURES, BUT NO LESS THAN 10' ON EITHER SIDE OF CULVERT.

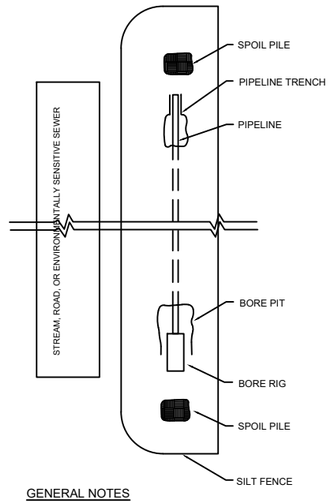
MAINTENANCE NOTES

INSPECT CULVERT CROSSING STRUCTURES WEEKLY AND AFTER EACH SIGNIFICANT RAINFALL EVENT (0.5" OR GREATER) TO SEE IF ANY EROSION AROUND OR BELOW THE SILT FENCE HAS OCCURRED, IMMEDIATELY MAKE ALL NEEDED REPAIRS TO PREVENT FURTHER DAMAGE.

*REF: 6.41.5 NC Erosion and Sediment Control Planning and Design Manual, 2006

DIRECTIONAL BORE DETAIL (PARALLEL)

NOT TO SCALE

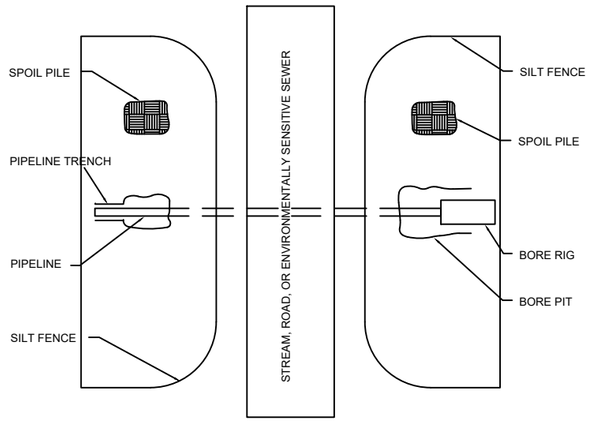


GENERAL NOTES

1. BORE PITS AND SPOILS PILES SHALL BE ENCLOSED ON THREE SIDES AS SHOWN WITH SILT FENCE

DIRECTIONAL BORE DETAIL (TRAVERSE)

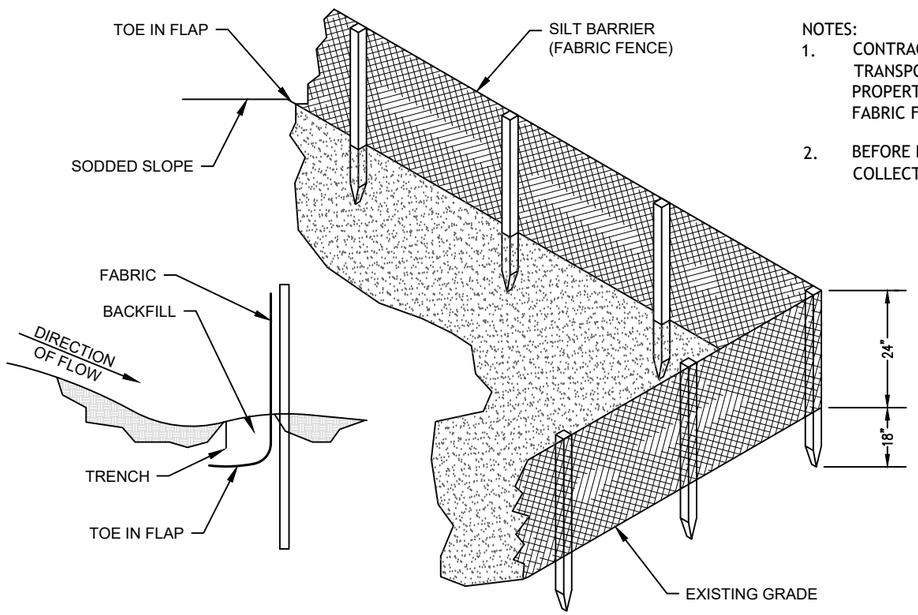
NOT TO SCALE



GENERAL NOTES

1. BORE PITS AND SPOILS PILES SHALL BE ENCLOSED ON THREE SIDES AS SHOWN WITH SILT FENCE

FABRIC FENCE SILT - BARRIER



NOTES:

1. CONTRACTOR IS REQUIRED TO PREVENT ANY SEDIMENT TRANSPORT FROM THE PROJECT SITE ON TO ADJACENT PROPERTY. INSTALLATION OF EITHER BALED HAY OR FABRIC FENCE TYPE SILT BARRIER IS ACCEPTABLE.
2. BEFORE REMOVING SILT BARRIER, CONTRACTOR SHALL COLLECT AND DISPOSE OF ANY ACCUMULATED SILT.

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LAS VEGAS, NV 89117

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REVISION DATA

NO.	DESCRIPTION	BY	DATE
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SHEET TITLE: TYPICALS

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_001_FDH_07
DESCRIPTION:	DOGLEG CANAL
DRAWING NAME:	LE1_001_FDH_07 - LEHIGH ACRES_LEE COUNTY_FLORIDA - DOGLEG CANAL
SHEET:	10 OF 12

TYPICALS

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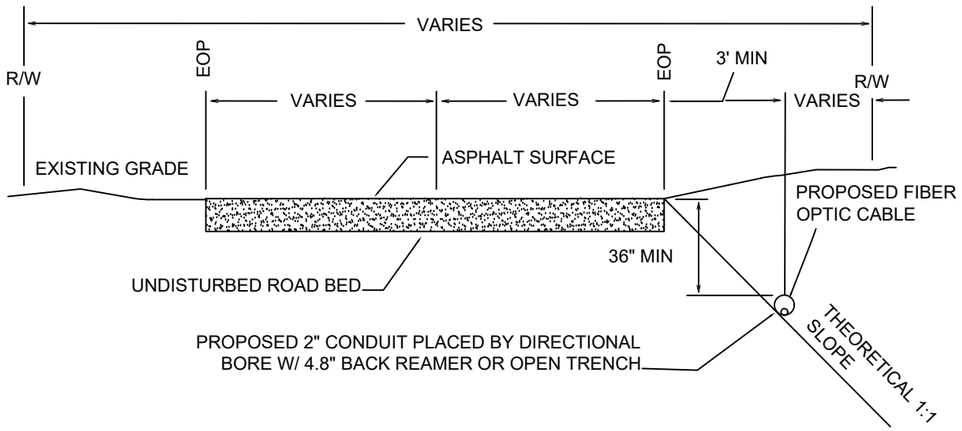
LAS VEGAS, NV 89117

811 Know what's below. Call before you dig.

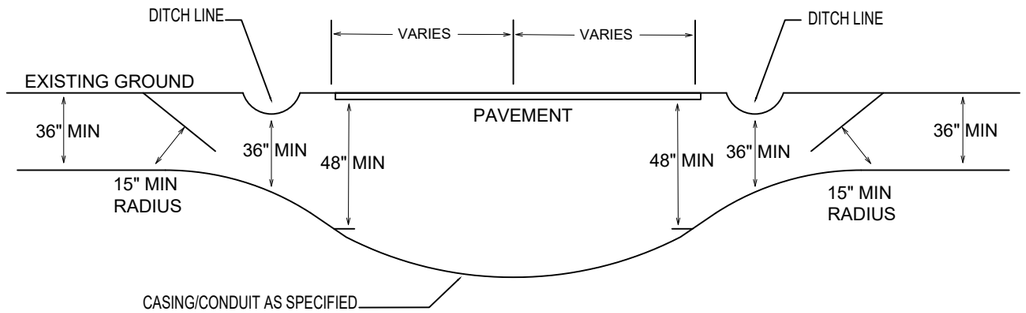
PARALLEL CONDUIT DETAIL FOR FDOT RIGHT-OF-WAY

NOT TO SCALE



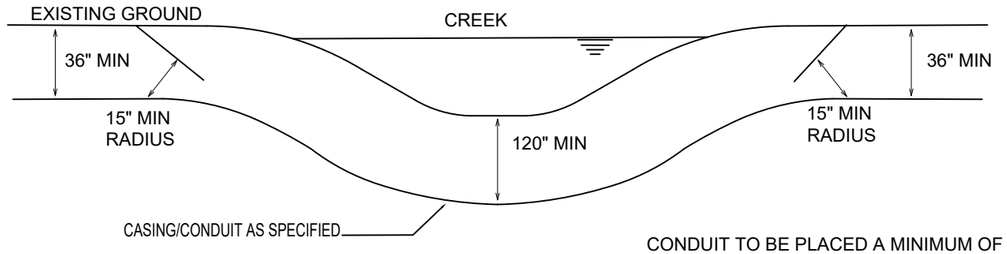
DIRECTIONAL BORE UNDER SECONDARY ROADWAY

NOT TO SCALE



DIRECTIONAL BORE UNDER CREEK BED

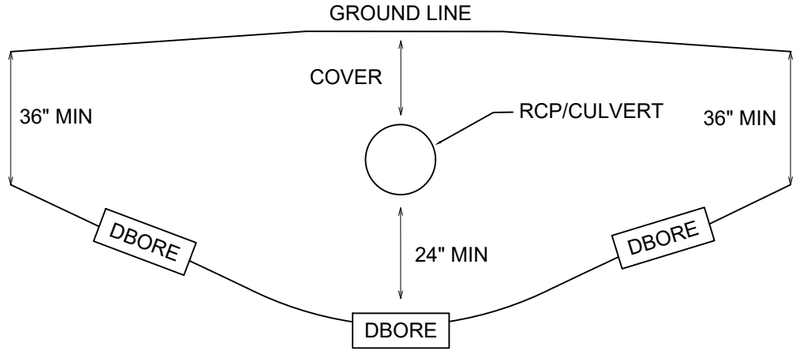
NOT TO SCALE



CONDUIT TO BE PLACED A MINIMUM OF 10 FEET BELOW CREEK BED

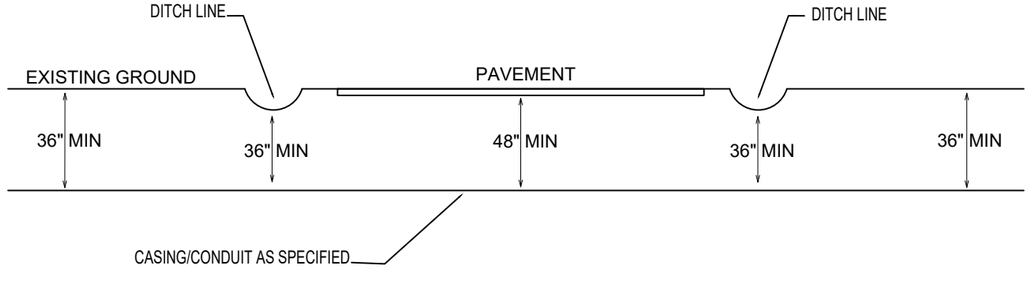
CULVERT CROSSING DETAIL

NOT TO SCALE



DRY BORE UNDER ROADWAY

NOT TO SCALE



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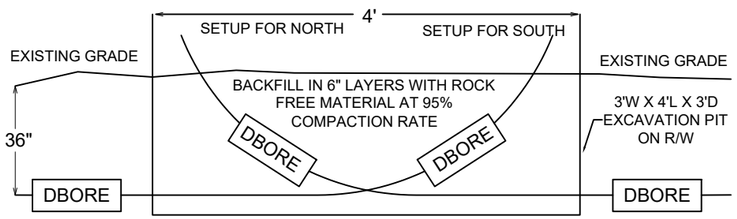
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_001_FDH_07
DESCRIPTION:	DOGLEG CANAL
DRAWING NAME:	LE1_001_FDH_07 - LEHIGH ACRES_LEE COUNTY_FLORIDA - DOGLEG CANAL
SHEET:	11 OF 12

TYPICALS

DIRECTIONAL BORE TIE-IN DETAIL

NOT TO SCALE

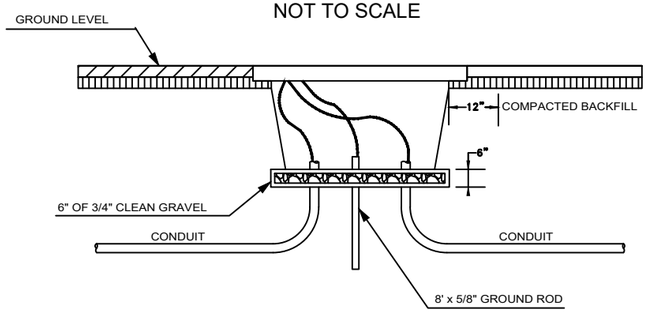


TIE-IN STATION

- BORE FROM EACH DIRECTION IS RUN AT DESIGN DEPTH TO 2 FEET PAST THE INTENDED TIE-IN. THEN TURNED UP TO DAYLIGHT.
- THE TIE-IN POINT IS EXCAVATED. THE CONDUITS CUT OFF WHERE THEY CROSS EACH OTHER AT DESIGN DEPTH, AND A COUPLER IS INSTALLED TO CONNECT THE TWO CONDUITS AT THE DESIGN DEPTH.
- ALL EXCAVATIONS OR TRENCHES 4 FEET OR GREATER IN DEPTH SHALL BE APPROPRIATELY BENCHED, SHORED, OR SLOPED IN OSHA'S EXCAVATION STANDARD, 29 CFR 1926.650, .651, AND .652

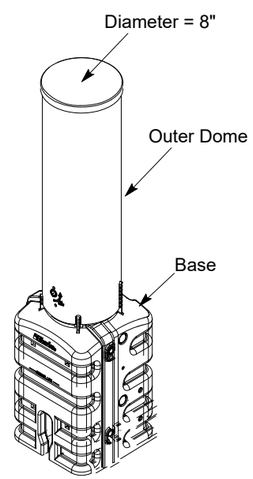
PULL BOX HANDHOLE

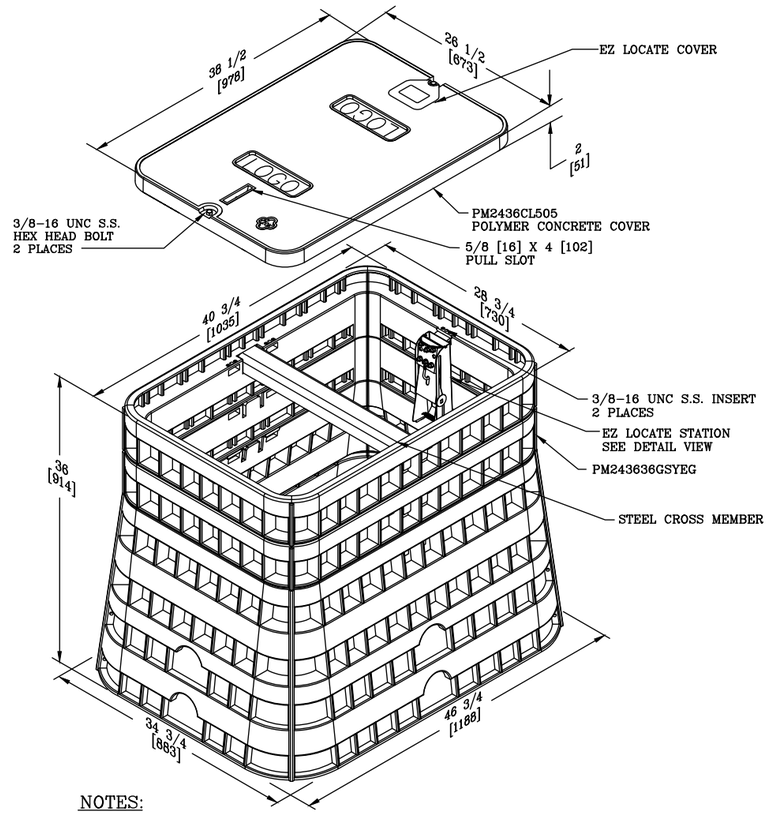
NOT TO SCALE



ALL EXCAVATIONS OR TRENCHES 4 FEET OR GREATER IN DEPTH SHALL BE APPROPRIATELY BENCHED, SHORED, OR SLOPED ACCORDING TO THE PROCEDURES AND REQUIREMENTS SET FORTH IN OSHA'S EXCAVATION STANDARD, 29 CFR 1926.650, .651, AND .652.

BDO204-EG

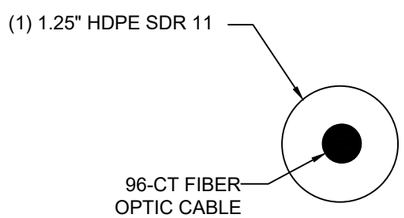




NOTES:

1. BOX MATERIAL TO BE HDPE PLASTIC, COVER MATERIAL TO BE POLYMER CONCRETE.
2. COLOR TO BE GREY.
3. THIS ASSEMBLY HAS A LOAD RATING OF 20,000 LBS. [88,960 N].

PIPE DETAIL



PERMITTING AGENCY

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LAS VEGAS, NV 89117

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REVISION DATA

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SHEET TITLE:	TYPICALS
PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_001_FDH_07
DESCRIPTION:	DOGLEG CANAL
DRAWING NAME:	LE1_001_FDH_07 - LEHIGH ACRES_LEE COUNTY_FLORIDA - DOGLEG CANAL
SHEET:	12 OF 12

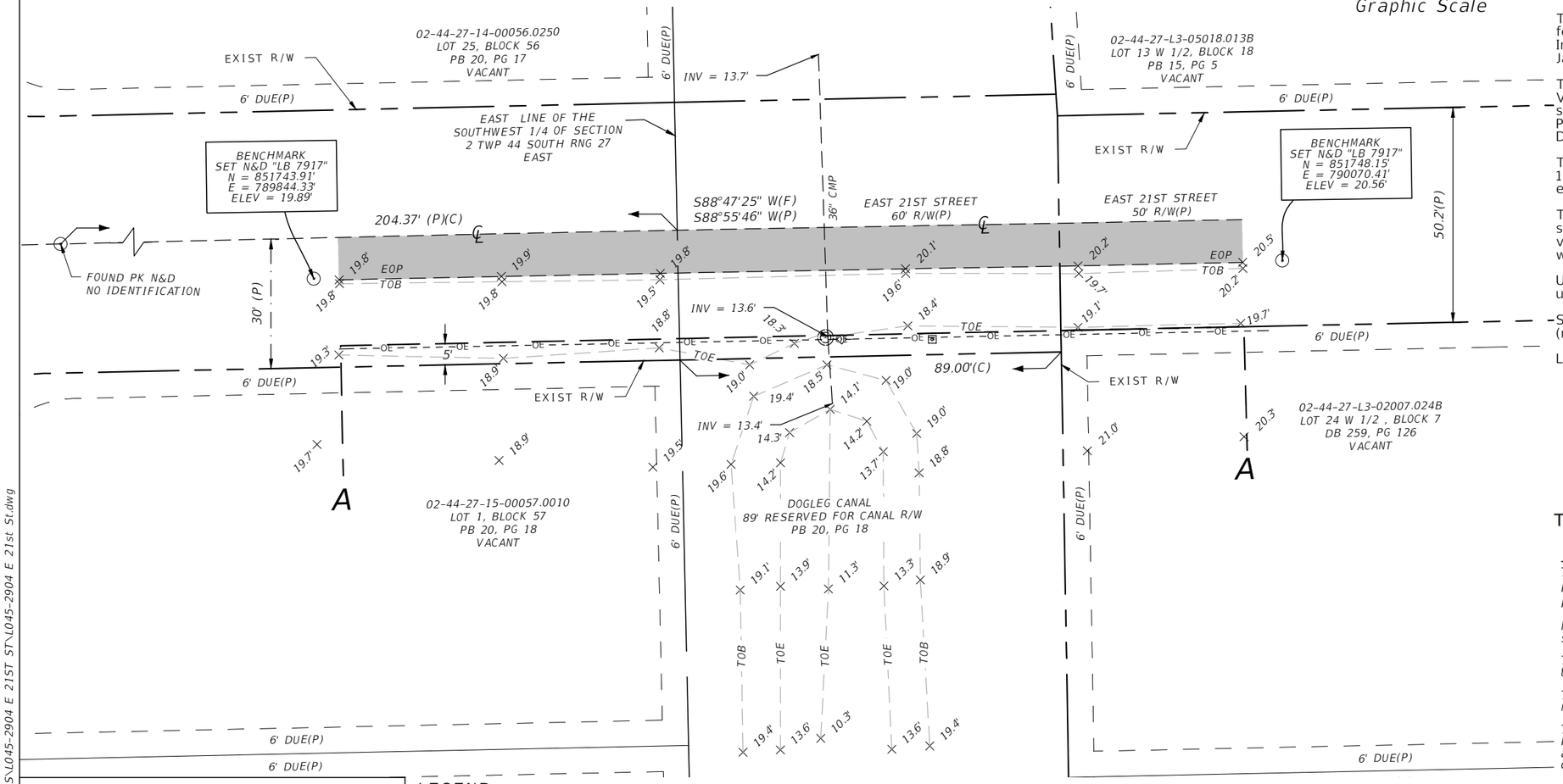
Topographic Survey of a Subject Project Site

lying within

Section 2, Township 44 South, Range 27 East

Lehigh Acres, Lee County, Florida

SEE SHEET 02 FOR 1" = 20'
SECTION A-A PROFILE VIEW



0 15' 30'
(1" = 30')
Graphic Scale

NOTES:

Survey based on the plat of Unit 14 as recorded in Plat Book 20 Page 17-18 and plat of Units 2,3,4,5,7,8,9,10,11, as recorded in Plat Book 15 Page 5 Public Records of Lee County, Florida and existing monumentation.

This survey is a Topographic Survey for the purpose of locating the features within and adjacent to the Lehigh Acres Municipal Services Improvement District-managed facility South of East 21st Street between Jackson Avenue and Hamilton Avenue.

The elevations shown hereon are referenced to the North American Vertical Datum of 1988 (NAVD 1988). All elevations are reported in US survey feet and decimals thereof and are based upon the Florida Permanent Reference Network (FPRN) stations maintained by the Florida Department of Transportation.

The subject site lies within Zone "X" per FEMA insurance rate map 125124 0337F (Published 08/28/2008), therefore has no base flood elevation.

The FEMA flood zone information indicated hereon is based on the maps supplied by the Federal Government. This flood information must be verified with all permitting regulatory entities prior to commencing any work or application dependent on said flood information.

Underground improvements, utilities and/or foundations were not located unless otherwise noted. Wetlands, if any, were not located.

Subject to easements, restrictions, reservations, and rights-of-way (recorded and unrecorded, written and unwritten).

Last day of field work: 04/06/2026

TAYLOR J. HENNINGE
License Number
7279
STATE OF FLORIDA
Professional Surveyor and Mapper

Taylor Henninge 2026.05.05 15:08:01-04'00'

TAYLOR J. HENNINGE
PROFESSIONAL SURVEYOR AND MAPPER
FLORIDA CERTIFICATE NO. LS# 7279

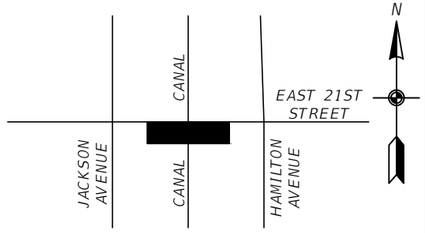
Not valid without the signature and the original seal of a Florida licensed surveyor and mapper.

This survey is only for the lands as described. It is not a certificate of title, zoning, easements or freedom of encumbrances.

This survey was prepared without benefit of an abstract of title and all matters of title should be referred to an attorney at law.

This survey has been electronically signed and sealed by Taylor J. Henninge using a digital signature and date. Print copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Location sketch
(Not to scale)



LEGEND:

(C)	= CALCULATED	INV	= INVERT ELEVATION
(F)	= FIELD MEASURED	N&D	= NAIL AND DISK
(P)	= PER PLAT	NAVD 88	= NORTH AMERICAN VERTICAL DATUM 1988
CB	= CATCH BASIN	OR	= OFFICIAL RECORDS BOOK
Δ	= DELTA ANGLE	PB	= PLAT BOOK
℄	= CENTER LINE	PG	= PAGE
CONC	= CONCRETE	R/W	= RIGHT OF WAY
CMP	= CORRUGATED METAL PIPE	RCP	= REINFORCED CONCRETE PIPE
CPP	= CORRUGATED PLASTIC PIPE	RNG	= RANGE
DUE	= DRAINAGE AND UTILITY EASEMENT	S/W	= SIDEWALK
ELEV	= ELEVATION	SEC	= SECTION
EOP	= EDGE OF PAVEMENT	TOB	= TOP OF BANK
EXIST	= EXISTING	TOE	= TOE OF SLOPE
FIRC	= FOUND IRON ROD AND CAP	TWP	= TOWNSHIP
INST#	= INSTRUMENT NUMBER	(TYP)	= TYPICAL

= FOUND MONUMENT
OE = OVERHEAD UTILITY LINE
20.0 = SPOT ELEVATION
= ELECTRICAL POLE
= TELEPHONE PEDESTAL
= MANHOLE STORM WATER

East 21st Street, Lehigh Acres

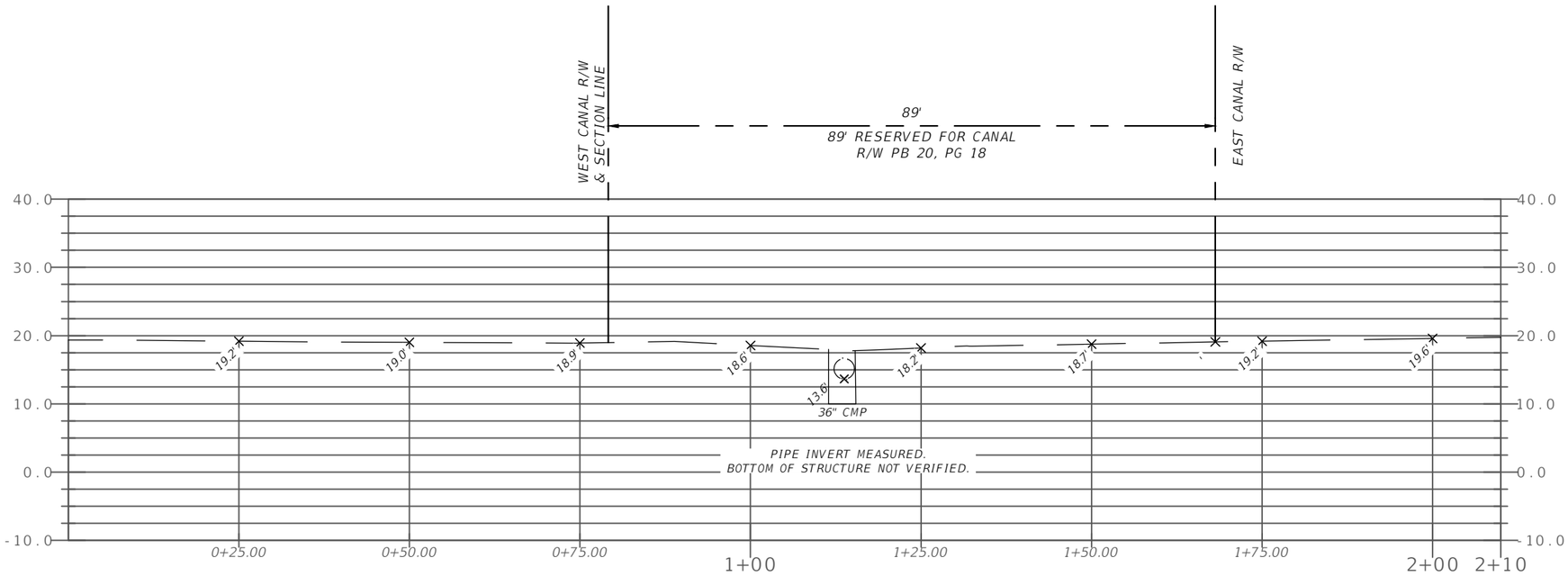
TOPOGRAPHIC SURVEY-PLAN VIEW

McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name:	Field book/page:	Project No.:
L045-2904 E 21st St.dwg	106981-1/44	106980001-L045

Survey date:	Drawn by:	Checked by:	Sheet No.:
04/06/2026	KB	TJH	01 OF 02

Topographic Survey of a
Subject Project Site
Section 2, Township 44 South, Range 27 East
Lehigh Acres, Lee County, Florida



A-A Profile View
1" = 20' HORIZONTAL
1" = 20' VERTICAL

SEE SHEET 01 FOR LEGEND

East 21st Street, Lehigh Acres

TOPOGRAPHIC SURVEY-PROFILE VIEW

McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name:	Field book/page:	Project No.:
L045-2904 E 21st St.dwg	106981-1/44	106980001-L045

Survey date:	Drawn by:	Checked by:	Sheet No.:
04/06/2026	KB	TJH	02 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L045-2904 E 21ST ST\L045-2904 E 21st St.dwg

NOTE:

1. This Index applies to Two-Lane, Two-Way and Multilane Roadways, including Medians of divided roadways, with work on the shoulder.

2. L = Taper Length
   X = Work Zone Sign Spacing
   B = Buffer Length
   See Index 102-600 for "L", "X", "B", and channelizing device spacing values.

3. Where work activities are between 2' and 15' from the edge of traveled way, the Engineer may omit signs and channelizing devices for work operations 60 minutes or less.

4. When four or more work vehicles enter the through traffic lanes in a one hour period (excluding establishing and terminating the work area), use a flagger or lane closure to accommodate work vehicle ingress and egress.

5. For work less than 2' from the traveled way and work zone speed is greater than 45 MPH, use a lane closure.

6. The "Speeding Fines Doubled When Workers Present" signs (M0T-13-06) and "End Road Work" Signs (G20-2) along with the associated work zone sign spacing distances may be omitted when the work operation is in place for 24 hours or less.

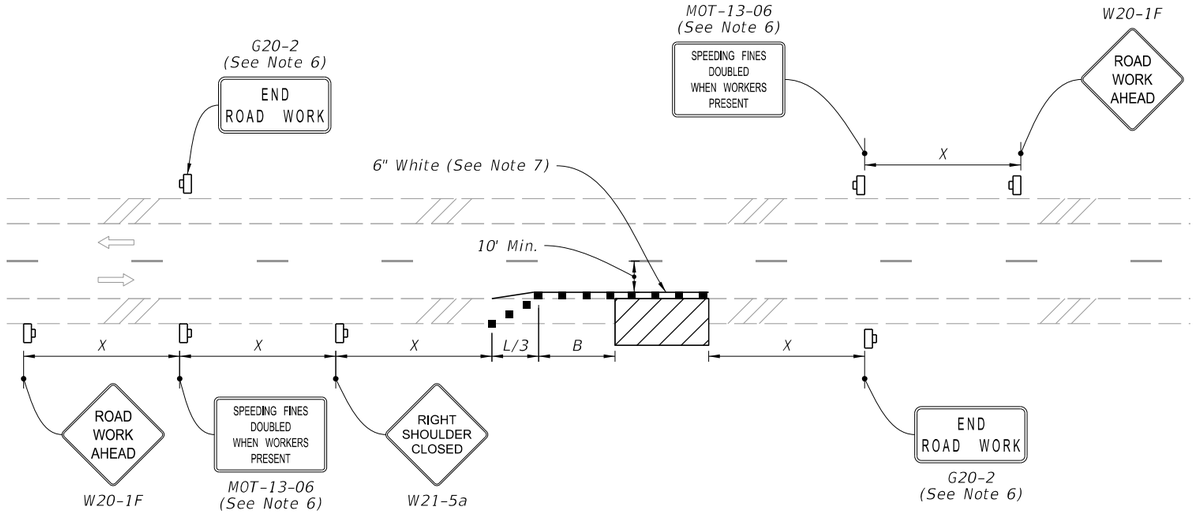
7. Temporary pavement markings may be omitted when the work operation is in place for 3 days or less.

8. Omit "Shoulder Closed" signs (W21-5a) along with associated work zone sign spacing distances for work on the median.

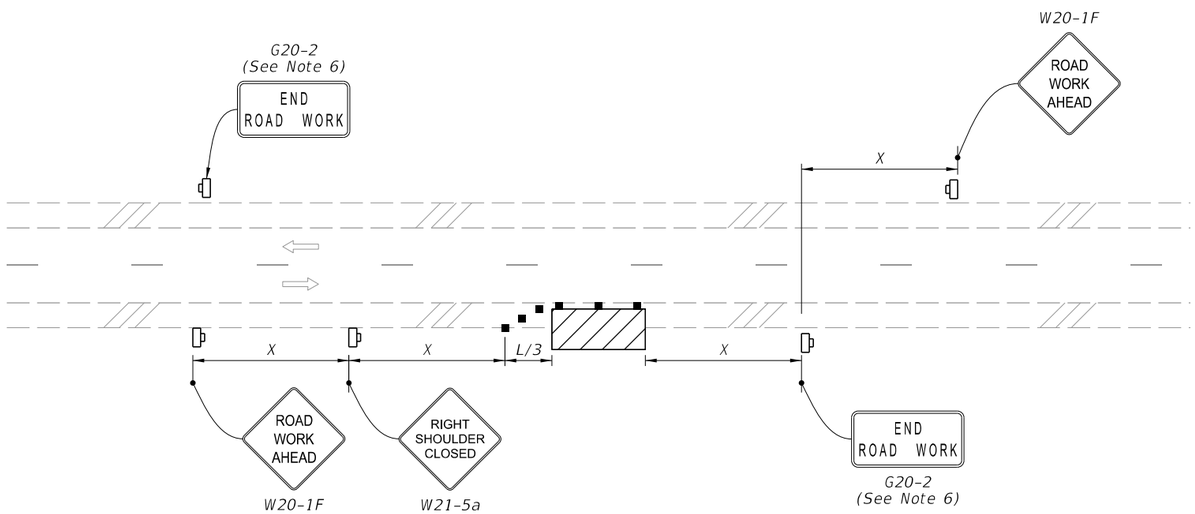
9. When there is no paved shoulder, the "Worker" sign (W21-1) may be used instead of the "Shoulder Closed" sign (W21-5a).

SYMBOLS:

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Lane Identification and Direction of Traffic



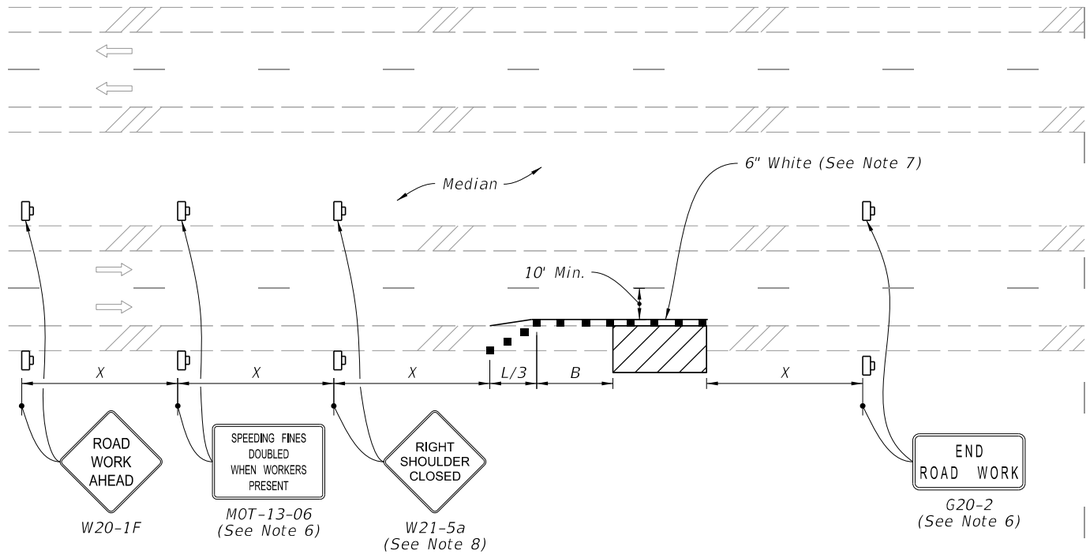
TWO-LANE ROADWAY
SHOULDER WORK LESS THAN 2' FROM THE TRAVELED WAY
WITH WORK ZONE SPEED OF 45 MPH OR LESS



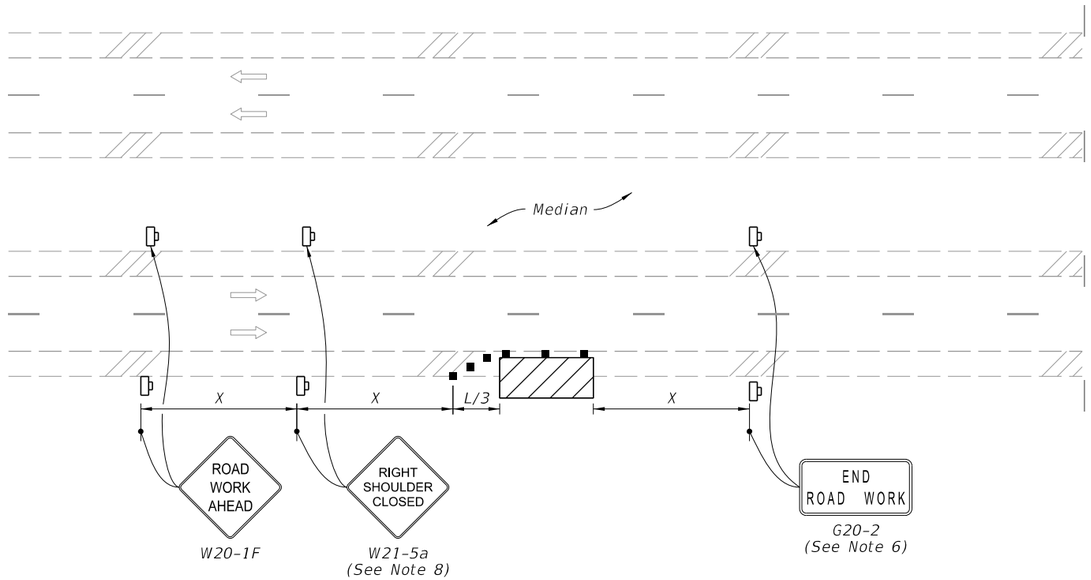
TWO-LANE ROADWAY
SHOULDER WORK BETWEEN 2' AND 15' FROM THE TRAVELED WAY

9/10/2024 10:45:37 AM

LAST REVISION	REVISION	DESCRIPTION:			INDEX	SHEET
11/01/21			FY 2025-26 STANDARD PLANS	TWO-LANE AND MULTILANE, WORK ON SHOULDER	102-602	1 of 2



MULTILANE ROADWAY
SHOULDER WORK LESS THAN 2' FROM THE TRAVELED WAY
WITH WORK ZONE SPEED OF 45 MPH OR LESS



SYMBOLS:

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Lane Identification and Direction of Traffic

MULTILANE ROADWAY
SHOULDER WORK BETWEEN 2' AND 15' FROM THE TRAVELED WAY

9/10/2024 10:45:44 AM

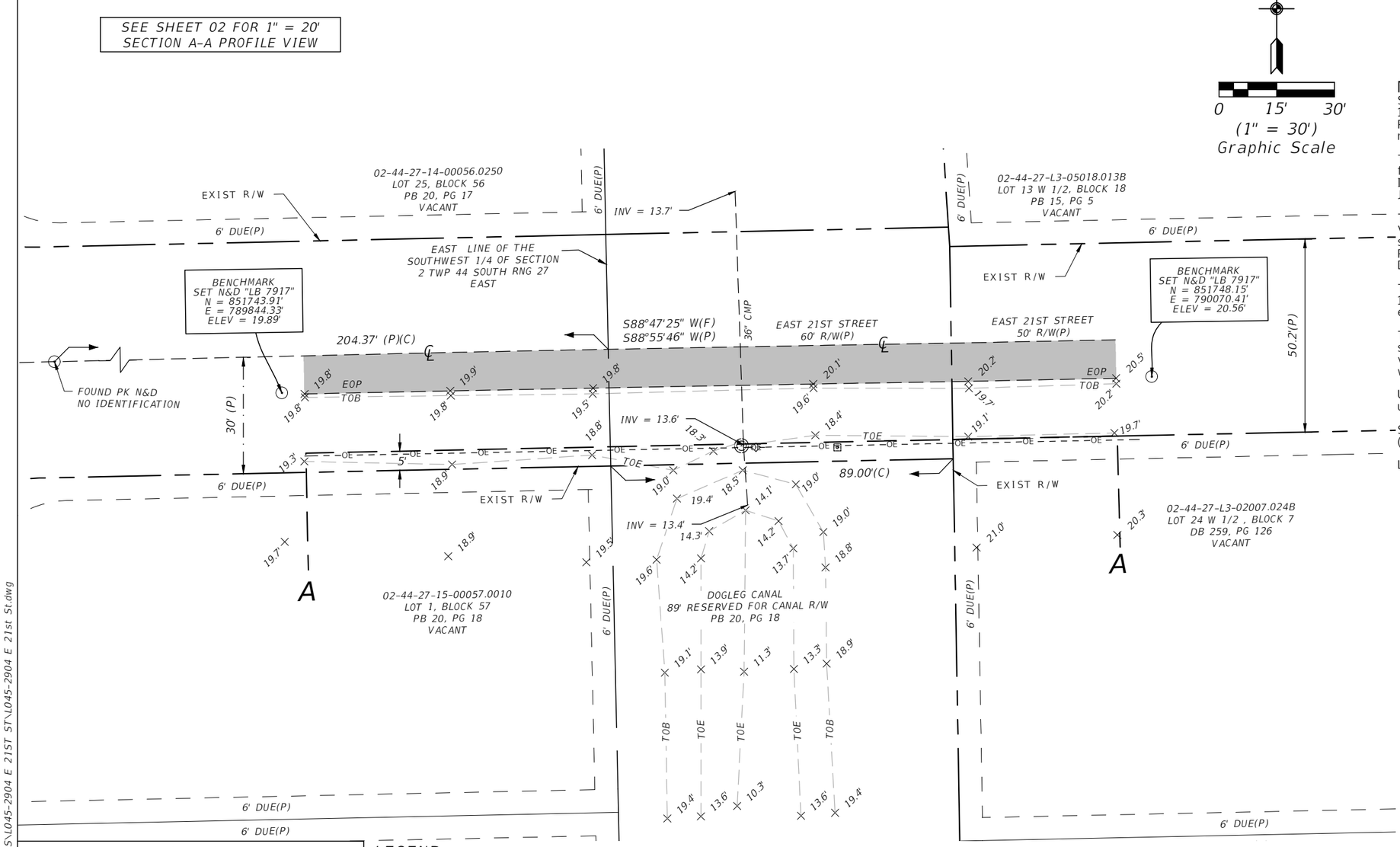
LAST REVISION	REVISION	DESCRIPTION:				
11/01/20			FDOT FY 2025-26 STANDARD PLANS	TWO-LANE AND MULTILANE, WORK ON SHOULDER	INDEX 102-602	SHEET 2 of 2

Topographic Survey of a Subject Project Site

lying within

Section 2, Township 44 South, Range 27 East

Lehigh Acres, Lee County, Florida



NOTES:

Survey based on the plat of Unit 14 as recorded in Plat Book 20 Page 17-18 and plat of Units 2,3,4,5,7,8,9,10,11, as recorded in Plat Book 15 Page 5 Public Records of Lee County, Florida and existing monumentation.

This survey is a Topographic Survey for the purpose of locating the features within and adjacent to the Lehigh Acres Municipal Services Improvement District-managed facility South of East 21st Street between Jackson Avenue and Hamilton Avenue.

The elevations shown hereon are referenced to the North American Vertical Datum of 1988 (NAVD 1988). All elevations are reported in US survey feet and decimals thereof and are based upon the Florida Permanent Reference Network (FPRN) stations maintained by the Florida Department of Transportation.

The subject site lies within Zone "X" per FEMA insurance rate map 125124 0337F (Published 08/28/2008), therefore has no base flood elevation.

The FEMA flood zone information indicated hereon is based on the maps supplied by the Federal Government. This flood information must be verified with all permitting regulatory entities prior to commencing any work or application dependent on said flood information.

Underground improvements, utilities and/or foundations were not located unless otherwise noted. Wetlands, if any, were not located.

Subject to easements, restrictions, reservations, and rights-of-way (recorded and unrecorded, written and unwritten).

Last day of field work: 04/06/2026

TAYLOR J. HENNINGE
License Number
7279
STATE OF FLORIDA
Professional Surveyor and Mapper

TAYLOR J. HENNINGE
PROFESSIONAL SURVEYOR AND MAPPER
FLORIDA CERTIFICATE NO. LS# 7279

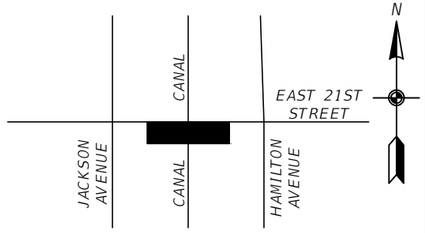
Not valid without the signature and the original seal of a Florida licensed surveyor and mapper.

This survey is only for the lands as described. It is not a certificate of title, zoning, easements or freedom of encumbrances.

This survey was prepared without benefit of an abstract of title and all matters of title should be referred to an attorney at law.

This survey has been electronically signed and sealed by Taylor J. Henninge using a digital signature and date. Print copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Location sketch
(Not to scale)



LEGEND:

(C)	= CALCULATED	INV	= INVERT ELEVATION
(F)	= FIELD MEASURED	N&D	= NAIL AND DISK
(P)	= PER PLAT	NAVD 88	= NORTH AMERICAN VERTICAL DATUM 1988
CB	= CATCH BASIN	OR	= OFFICIAL RECORDS BOOK
Δ	= DELTA ANGLE	PB	= PLAT BOOK
℄	= CENTER LINE	PG	= PAGE
CONC	= CONCRETE	R/W	= RIGHT OF WAY
CMP	= CORRUGATED METAL PIPE	RCP	= REINFORCED CONCRETE PIPE
CPP	= CORRUGATED PLASTIC PIPE	RNG	= RANGE
DUE	= DRAINAGE AND UTILITY EASEMENT	S/W	= SIDEWALK
ELEV	= ELEVATION	SEC	= SECTION
EOP	= EDGE OF PAVEMENT	TOB	= TOP OF BANK
EXIST	= EXISTING	TOE	= TOE OF SLOPE
FIRC	= FOUND IRON ROD AND CAP	TWP	= TOWNSHIP
INST#	= INSTRUMENT NUMBER	(TYP)	= TYPICAL

= FOUND MONUMENT
OE = OVERHEAD UTILITY LINE
20.0 = SPOT ELEVATION
= ELECTRICAL POLE
= TELEPHONE PEDESTAL
= MANHOLE STORM WATER

East 21st Street, Lehigh Acres

TOPOGRAPHIC SURVEY-PLAN VIEW

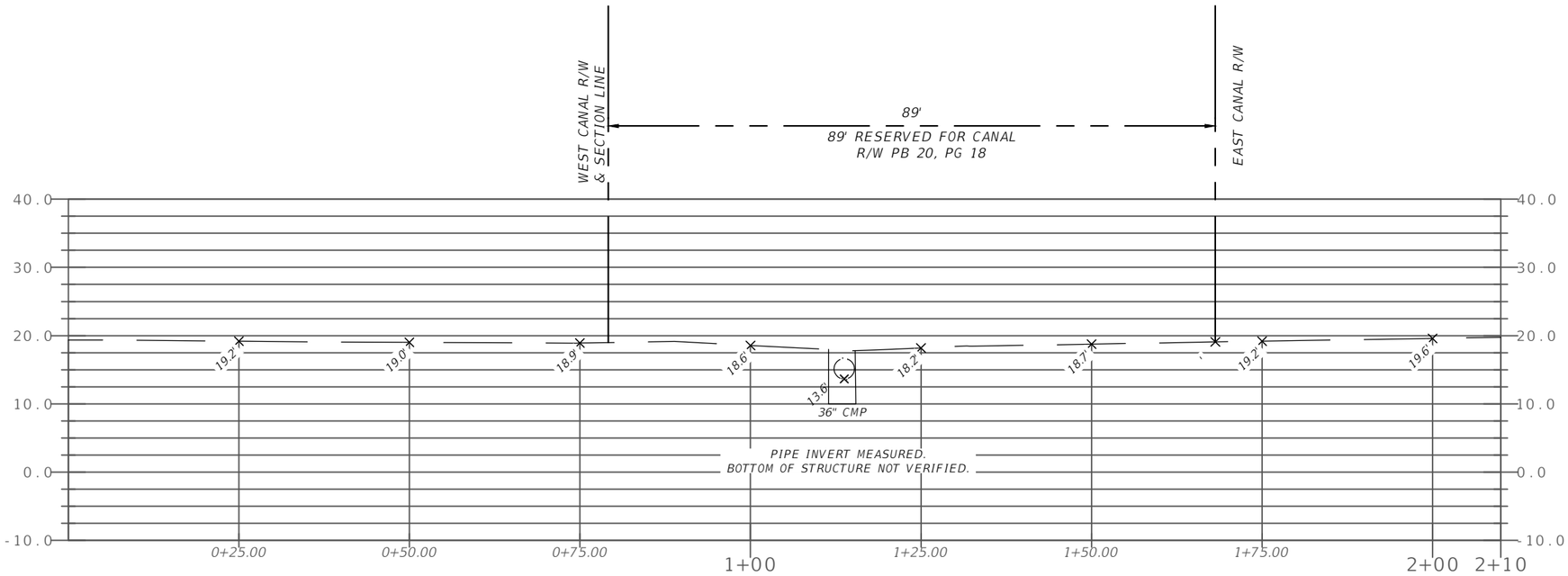
McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name:	Field book/page:	Project No.:
L045-2904 E 21st St.dwg	106981-1/44	106980001-L045

Survey date:	Drawn by:	Checked by:	Sheet No.:
04/06/2026	KB	TJH	01 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L045-2904 E 21ST ST\L045-2904 E 21st St.dwg

Topographic Survey of a
Subject Project Site
Section 2, Township 44 South, Range 27 East
Lehigh Acres, Lee County, Florida



A-A Profile View
1" = 20' HORIZONTAL
1" = 20' VERTICAL

SEE SHEET 01 FOR LEGEND

East 21st Street, Lehigh Acres

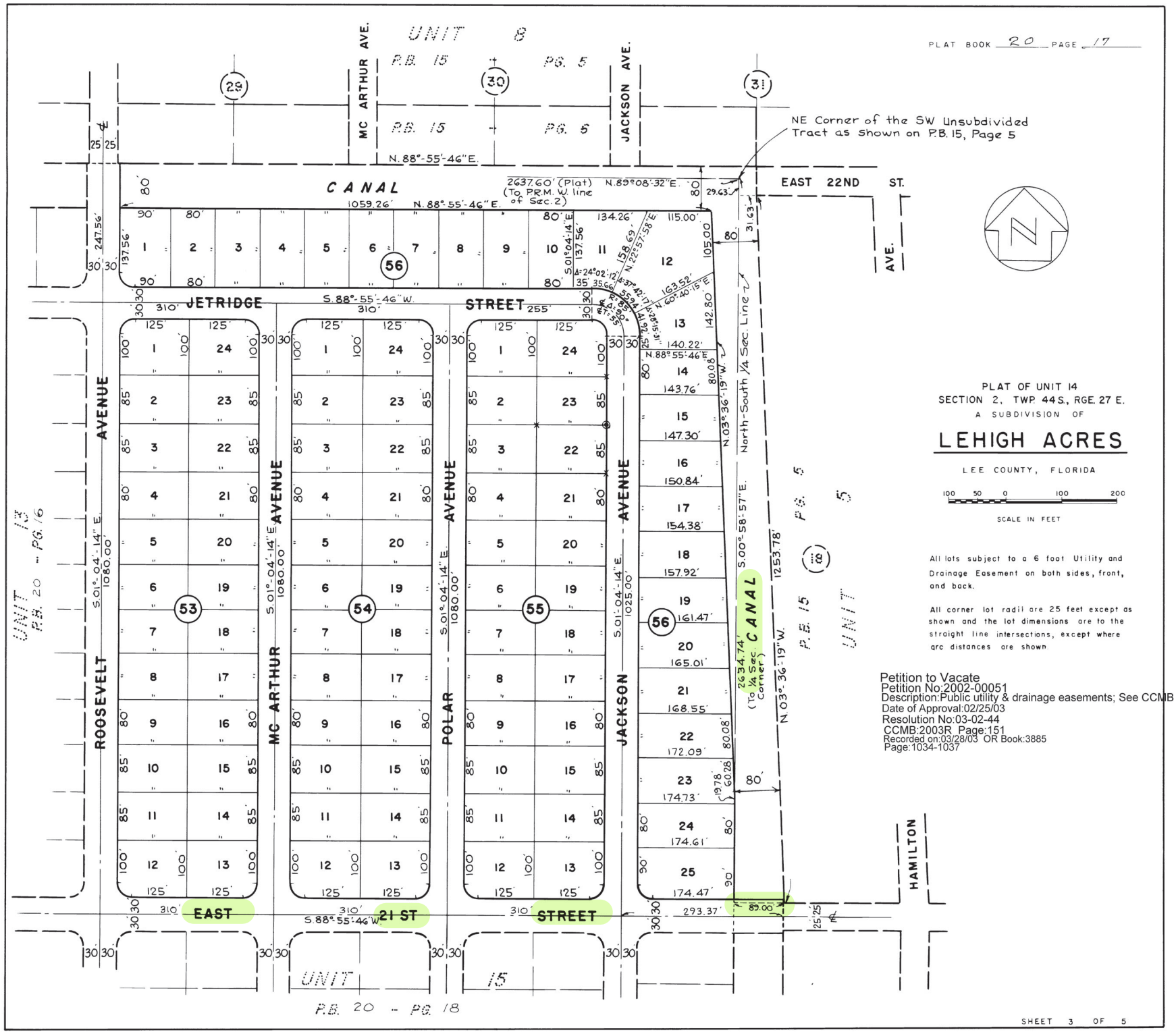
TOPOGRAPHIC SURVEY-PROFILE VIEW

McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name:	Field book/page:	Project No.:
L045-2904 E 21st St.dwg	106981-1/44	106980001-L045

Survey date:	Drawn by:	Checked by:	Sheet No.:
04/06/2026	KB	TJH	02 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L045-2904 E 21ST ST\L045-2904 E 21st St.dwg


PLAT BOOK 20 PAGE 17
UNIT 8
P.B. 15 - PG. 5
P.B. 15 - PG. 6
MC ARTHUR AVE.
JACKSON AVE.
NE Corner of the SW Unsubdivided Tract as shown on P.B. 15, Page 5
N. 88°-55'-46" E.
CANAL
2637.60' (Plat) (To P.R.M. W. line of Sec. 2)
N. 89°08'-32" E.
1059.26'
N. 88°-55'-46" E.
EAST 22ND ST.
AVE.
JETRIDGE STREET
S. 88°-55'-46" W.
310'
255'
ROOSEVELT AVENUE
MC ARTHUR AVENUE
POLAR AVENUE
JACKSON AVENUE
S. 01°-04'-14" E.
1080.00'
1025.00'
North-South 1/4 Sec. Line
N. 03°-36'-19" W.
S. 00°-58'-57" E.
1253.78'
2634.74' (To 1/4 Sec. Corner)
CANAL
EAST 21 ST STREET
S. 88°-55'-46" W.
293.37'
89.00'
HAMILTON
UNIT 15
P.B. 20 - PG. 18
UNIT 13
P.B. 20 - PG. 16
PLAT OF UNIT 14
SECTION 2, TWP. 44 S., RGE. 27 E.
A SUBDIVISION OF
LEHIGH ACRES
LEE COUNTY, FLORIDA
100 50 0 100 200
SCALE IN FEET
All lots subject to a 6 foot Utility and Drainage Easement on both sides, front, and back.
All corner lot radii are 25 feet except as shown and the lot dimensions are to the straight line intersections, except where arc distances are shown
Petition to Vacate
Petition No:2002-00051
Description:Public utility & drainage easements; See CCMB
Date of Approval:02/25/03
Resolution No:03-02-44
CCMB:2003R Page:151
Recorded on:03/28/03 OR Book:3885
Page:1034-1037
SHEET 3 OF 5

PLAT BOOK 20, PAGE 15

PLAT OF

UNITS 13, 14, 15 & 16

SECTION 2, TWP. 44 S., RGE. 27 E.

A SUBDIVISION OF

LEHIGH ACRES

LEE COUNTY, FLORIDA

LEHIGH ACRES DEVELOPMENT INC.

DEVELOPERS

DESCRIPTION

FROM THE SOUTHWEST CORNER OF THE PLAT OF UNITS 2,3,4,5,7,8,9,10,11 OF SECTION 2, TOWNSHIP 44 SOUTH, RANGE 27 EAST, "LEHIGH ACRES", LEE COUNTY, FLORIDA, AS RECORDED IN PLAT BOOK 15, PAGE 5, PUBLIC RECORDS OF LEE COUNTY, FLORIDA, THENCE N.01°-06'-04"W. ALONG THE WEST LINE OF SECTION 2, A DISTANCE OF 2644.54 FEET, TO A PERMANENT REFERENCE MONUMENT (PR.M.) AS SHOWN ON SAID PLAT; THENCE N. 89°-08'-32"E., A DISTANCE OF 2637.60 FEET, TO A POINT ON THE NORTH-SOUTH QUARTER SECTION LINE OF SAID SECTION 2; THENCE S.00°-58'-57"E. ALONG THE SAID NORTH-SOUTH QUARTER SECTION LINE, A DISTANCE OF 2634.74 FEET TO THE QUARTER SECTION CORNER ON THE SOUTH LINE OF SAID SECTION 2; THENCE S.88°-55'-46"W. ALONG THE SOUTH LINE OF SAID SECTION 2, A DISTANCE OF 2632.12 FEET TO THE SOUTHWEST CORNER OF SECTION 2 AND THE POINT OF BEGINNING.

KNOW ALL MEN BY THESE PRESENTS, THAT LEHIGH ACRES DEVELOPMENT INC. A CORPORATION UNDER THE LAWS OF FLORIDA, BEING THE OWNER OF THE LAND DESCRIBED IN THE CAPTION HEREON HAS CAUSED THIS PLAT OF UNITS 13, 14, 15 & 16, SEC. 2-44-27, LEHIGH ACRES TO BE MADE AND DO HEREBY DEDICATE TO THE PERPETUAL USE OF THE PUBLIC STREETS, ROADS, DRIVES AND/OR LANES SHOWN HEREON. ALL CANAL RIGHTS OF WAY ARE HEREBY DEDICATED TO THE EAST COUNTY WATER CONTROL DISTRICT.

IN WITNESS WHEREOF GERALD H. GOULD AND ARTHUR KESSLER RESPECTIVELY PRESIDENT AND ASST. SEC. OF LEHIGH ACRES DEVELOPMENT INC., BY AND WITH AUTHORITY OF ITS BOARD OF DIRECTORS HAVE EXECUTED THESE PRESENTS FOR AND ON BEHALF OF SAID CORPORATION AND CAUSED ITS CORPORATE SEAL TO BE AFFIXED THIS 23 DAY OF JUNE A.D. 1969.

LEHIGH ACRES DEVELOPMENT INC.

BY Gerald H. Gould
President

ATTEST Arthur Kessler
Asst. Sec.

STATE OF FLORIDA
COUNTY OF LEE

I HEREBY CERTIFY THAT ON THIS DAY, BEFORE ME AN OFFICER DULY AUTHORIZED TO TAKE ACKNOWLEDGEMENTS, PERSONALLY APPEARED GERALD H. GOULD AND ARTHUR KESSLER RESPECTIVELY PRESIDENT AND ASST. SEC. OF LEHIGH ACRES DEVELOPMENT INCORPORATED TO ME KNOWN TO BE THE PERSONS DESCRIBED IN AND WHO EXECUTED THE FOREGOING DEDICATION AS PRESIDENT AND ASST. SEC. RESPECTIVELY OF LEHIGH ACRES DEVELOPMENT INC. FOR THE PURPOSES THEREIN SET FORTH.

WITNESS MY HAND AND OFFICIAL SEAL AT FORT MYERS, SAID COUNTY AND STATE THIS 23rd DAY OF June A.D. 1969.

Ruth M. Christie
NOTARY PUBLIC STATE OF FLORIDA AT LARGE
My Commission Expires Oct. 21, 1971

ALL BEARINGS ARE FROM THE TRUE MERIDIAN BASED ON OBSERVATION OF POLARIS AT S.W. CORNER OF SECTION 30, TOWNSHIP 44, RANGE 27, LEE COUNTY, FLORIDA

APPROVALS

THIS PLAT APPROVED THIS 16 DAY OF July A.D. 1969 IN OPEN MEETING OF THE BOARD OF COUNTY COMMISSIONERS OF LEE COUNTY, FLORIDA.

APPROVED J. [illegible]
Chairman

D. D. Farahee
Clerk

Marion L. Waldon
County Attorney

F. Jones De Foyen Jr.
County Engineer

I HEREBY CERTIFY THAT THIS PLAT OF UNITS 13, 14, 15 & 16, SEC. 2-44-27 LEHIGH ACRES, HAS BEEN EXAMINED BY ME AND FROM MY EXAMINATION I FIND THAT SAID PLAT COMPLIES IN FORM WITH THE REQUIREMENTS OF SURVEY LAWS OF FLORIDA.

I FURTHER CERTIFY THAT SAID PLAT WAS FILED FOR RECORD AT FORT MYERS THIS 17th DAY OF July A.D. 1969, AND DULY RECORDED IN PLAT BOOK 20 ON PAGE 15 & 16 OF PUBLIC RECORDS OF LEE COUNTY, FLORIDA.

D. D. Farahee
Clerk Of The Circuit Court in And For Lee County

CERTIFICATE OF SURVEY

I HEREBY CERTIFY THAT THIS PLAT IS A CORRECT REPRESENTATION OF A SURVEY MADE UNDER MY DIRECTION AND THAT PERMANENT REFERENCE MONUMENTS HAVE BEEN PLACED AS SHOWN.

Harold E. Dailey
FLORIDA REGISTERED LAND SURVEYOR No. 1895

THE OWNER DOES HEREBY DEDICATE TO THE PERPETUAL USE OF THE EAST COUNTY WATER CONTROL DISTRICT THE CANAL RIGHTS OF WAY SHOWN HEREON AND ALL PRESENT AND FUTURE WORKS BUILT OR CONSTRUCTED WITHIN THESE RIGHTS OF WAY SHALL BE OWNED AND MAINTAINED BY SAID EAST COUNTY WATER CONTROL DISTRICT.

⊙ P.R.M., 2 MONUMENTS, BOTTOM-4"x 4"x 18" WITH 3/8" STEEL ROD, TOP-4"x 4"x 18" CONC.
• MONUMENT 4"x 4"x 24" CONCRETE. x WITNESS MONUMENT — 4"x 4"x 24" CONCRETE.

PART IV #26-98

Recommended Action

Engineering Review:

By: _____6/17/2026 **Approved _X_ Denied __**

District Field Review:

By: _____ **Approved ___ Denied ___**

District Manager: _____ **Date**: _____

Comments:

The referenced permit application submitted by Lumos Fiber of Florida, LLC for a subaqueous crossing Dogleg Canal (47-2-1) at 2904 E 21st St., in Lehigh Acres, has been reviewed and is recommended for approval with the following stipulations:

1. On sheet 7 of the plans, please remove or modify dimensions of 19.4' and 19.6', as well as make the bore elevations (-0.5') more noticeable to avoid construction site mistakes.

2. On sheet 7 of the site plans, minimum 10' offset from canal bottom, Disturbed R/W sodding requirements, and 48" minimum bore offsets from pavement notes are missing, please revise.

3. On sheet 11 of the plans, the culvert crossing detail specifies 24" minimum offset from culvert, if the detail is depicting a canal crossing, the offset should be 120" or 10'. If not, please include a note to clarify that the details do not apply to LA-MSID canal crossing.

4. Permanent above-ground cable markers must be placed at the canal right-of-way (R/W) line on each side of the crossing.

5. Any disturbed canal R/W must be restored with sod and maintained until fully established. Seeding will not be permitted.

6. Within 30 days of completing the improvements, provide LA-MSID with a copy of the survey record drawings indicating the location and elevation of utilities within the canal R/W.

7. The permittee will be responsible for any necessary repairs, alterations, or relocation of the utility if required for future maintenance or repairs of the canal.

8. Lee County DOT must review and approve any utility work proposed within the County Road R/W.

LEHIGH ACRES - MUNICIPAL SERVICES IMPROVEMENT DISTRICT
PERMIT

THIS PERMIT is granted this 20th day of July, 2026, by Lehigh Acres Municipal Services Improvement District (hereinafter referred to as "DISTRICT"), 601 East County Lane, Lehigh Acres, Florida 33936, to Lumos Fiber of Florida, LLC, 4100 Mendenhall Oaks Parkway, Suite 300, High Point, NC 27265, hereinafter referred to as the "Permittee") as a non-exclusive permit for a directional bore under Oboe Canal (37-36-3), along the east side of Fitch Ave., between E. 28th St. & E. 27th St., in Lehigh Acres, FL.

W I T N E S S E T H:

1. In the event the DISTRICT is not the fee title owner of the real property (the "Property") to which this Permit is applicable, the Permittee agrees, prior to commencement, to obtain all necessary consents from the fee title owners of the Property.

2. This Permit does not constitute a waiver of the necessity by the Permittee to obtain such other necessary and appropriate permits required by other governmental bodies or agencies; therefore the Permittee, prior to commencement, is required to obtain any and all other applicable federal, state, and local permits required in connection with Permittee's use of the Property and agrees that at all times it will comply with the requirements of all federal, state and local laws, ordinances, rules and regulations applicable or pertaining to the use of the Property by the Permittee.

3. Permittee understands and agrees that the use of the Property pursuant to this Permit is subordinate to the rights and interests of the DISTRICT and to the extent applicable that of the fee title owner of the Property. Further, Permittee does hereby stipulate that the Permittee is not relying upon any representations whatsoever by the DISTRICT regarding the DISTRICT'S right, title, interest, or ownership as to the Property for which this Permit is applicable.

4. The Permittee, by accepting this permit, specifically agrees to allow authorized District Personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:
    a. Having access to and copying any records that must be kept under the conditions of the permit:
    b. Reviewing the facility, equipment, practices, or operations regulated or required under this permit; and
    c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or District rules.

5. The DISTRICT specifically reserves the right to maintain its facilities located over, under or upon the Property; to make improvements; add additional facilities; maintain, construct or alter its roads; maintain any facilities, devices, or improvements on the Property which aid in or are necessary to the DISTRICT'S operation; and the right to enter upon the Property at all times for such purposes. Permittee understands that in the exercise of such rights and interest, the DISTRICT may require Permittee, at no cost to DISTRICT, to relocate, alter, or remove the Permittee's facilities and equipment or other improvements made by Permittee pursuant to this Permit which interfere with or prevent the DISTRICT, in the DISTRICT'S opinion, from properly and faithfully constructing, improving and maintaining its facilities. If the Permittee should fail to relocate, alter, or remove the Permittee's facilities, equipment or other improvements made by the Permittee pursuant to this Permit within a reasonable time period following receipt of notice from the DISTRICT requesting same, then in that event the DISTRICT shall have the right to enter upon the lands and make such relocation, alterations or removal of the Permittee's facilities, equipment/or other improvements at no cost to DISTRICT.

6. Permittee agrees that it will not use the Property in any manner which interferes with the DISTRICT'S

use of the Property or causes a hazardous condition to exist.

7. The DISTRICT assumes no responsibility for the ownership, operation and/or maintenance of the Permittee's facilities as permitted herein.

8. The Permittee agrees to backfill any excavation it makes within the Property and to repair or replace (i) any below-grade authorized facilities and features located therein, including but not limited to: water, sewer, stormwater or irrigation facilities, structures or appurtenances and (ii) as to at or above-grade facilities and features, this requirement shall only be applicable to grasses and sod, sidewalks, and roadway improvements (the term roadway improvements shall include but not be limited to curbing, roadway base, sub grade and asphaltic or concrete surfaces) which are removed or damaged as a direct result of said excavation. Such repair or replacement shall substantially restore these features to their condition as it existed immediately prior to the event precipitating the excavation.

9. All below-grade Permittee installations, including water and sewer lines, whether sub aqueous or not, together with appurtenant facilities, shall be located underground and have a minimum ground cover of thirty inches (30") below original design profile grade, including District waterways and roadways.

10. All Permittee activity related to sub aqueous utility, water and/or sewer lines, including appurtenant facilities, shall be conducted in such fashion that the primary functional purpose of the canal or lake body facility, specifically flood control, within which the activity is taking place is not adversely affected. More specifically, sub aqueous construction shall conform to the criteria given in the Lehigh Acres Municipal Services Improvement District (Lehigh Acres – MSID) Administrative Policy and Procedures.

11. Permittee shall, at no expense to DISTRICT and within a reasonable time following notice, adjust the positions and elevations of its facilities as may be required in connection with future improvements to, or construction of, works of the DISTRICT.

12. Permittee does hereby indemnify and hold harmless the DISTRICT, its Board of Commissioners, officers, personnel, and it's Engineers against any claims, losses, damages (including consequential), expenses, or legal fees that might arise out or result from the implementation of the proposed project by the Permittee or that may be caused by a failure of DISTRICT facilities or property.

13. The Permittee shall be obligated at the time of submission of its Permit application, to provide a detail of any other existing improvements located over, under, upon or through the Property and the Permittee's accompanying plans and specifications shall clearly indicate how the Permittee will comply with required clearances between the requested permitted activity and existing improvements located over, under and upon the Property, including compliance with other permitted users duly adopted and published standards.

14. Permittee shall reimburse the DISTRICT for its legal, engineering and other expenses incurred as a result of the implementation of the proposed project.

15. If Permittee should violate any of the terms or conditions of the Permit and shall not correct or remedy same within ten (10) days of receiving written notice of said violation from the DISTRICT, then in that event, the DISTRICT may, at its option, revoke, cancel and terminate this Permit.

16. This Permit may not be assigned by the Permittee without the prior written approval of the DISTRICT.

17. Unless otherwise adjusted, modified or terminated as set forth hereinabove, including the Conditions attached hereto, this Permit shall continue in full force and effect so long as Permittee complies with the

terms of this Permit.

18. In any litigation, including breach, enforcement or interpretation arising out of this Permit, the prevailing party to this Permit shall be entitled to recover reasonable attorney's fees, costs and expenses related to said action from the non-prevailing party.

19. That attached hereto are Supplemental Conditions to this Permit which are incorporated herein and made a part hereof.

LEHIGH ACRES – MUNICIPAL SERVICES IMPROVEMENT DISTRICT

BY: _____

NAME TYPED: David E. Lindsay

TITLE: District Manager

SUPPLEMENTAL CONDITIONS TO PERMIT NO. 26-99

A. GENERAL CONDITIONS

1. Notification shall be given by the Permittee to the District Engineer, AIM Engineering, at 239-332-4569 forty-eight (48) hours prior to commencement of the permitted activity. The District Engineer shall establish points of construction, if applicable, which will require inspection by the District Engineer prior to construction of the permitted activity. When the Permittee considers the permitted activity complete, the Permittee shall notify the District Engineer and schedule an on-site final inspection which shall be held in the presence of a representative of the Permittee and the District Engineer.

2. The permitted activity shall be implemented, constructed and/or installed in full accordance with the approved plans and specifications within six (6) full calendar years from the date of permit approval. Deviations from the approved plans or specifications shall be coordinated with and approved by the District Engineer prior to implementation of any such deviation.

3. When working in a District road right-of-way, not more than one-half (½) of the road or street shall be closed and traffic shall be controlled so as to provide for the safety and minimum hindrance to the public. All traffic control operations shall conform to the most current issue of the Florida Department of Transportation publication "Manual on Traffic Controls and safe Practices for Street and Highway Construction, Maintenance and Utility Operations."

4. The District Engineer shall be the final authority as to the quality and quantity of the material and works required to satisfy the terms and conditions of this Permit as they relate to District improvements and facilities.

5. Upon completion of the permitted activity and after its final review and acceptance by the District Engineer THE PERMITTEE SHALL DELIVER TO THE DISTRICT OFFICE ONE COMPLETE SET OF THE FINAL "RECORD DRAWINGS." FAILURE TO PROVIDE THE FINAL RECORD DRAWINGS MAY RESULT IN THE REVOCATION, CANCELLATION AND TERMINATION OF THIS PERMIT.

6. The above Conditions shall be continuing obligations of the Permittee and shall be complied with in the event of any subsequent maintenance, repair, replacement or modification of the permitted improvement.

Stipulations:

1). Permit #26-99 is approved according to the plans submitted May 28th, 2026.

2). The proposed directional bore must maintain a minimum clearance of 10 feet below the bottom elevation of the canal for the entire 82.46' within the canal right of way.

3). Permanent utility markers, (at least 4' high) with the utility companies contact information clearly labeled on it, must be installed at each canal right of way line over top the proposed line.

4). All guy wires, poles, pull boxes, etc. must be located outside of the canal right of way and not interfere with the District's canal maintenance activities.

5). All canal R/W that is disturbed must be restored with sod and maintained until well established (no seeding will be allowed).

6). Boring contractor is not allowed to pump water out of the LAMSID canals for their boring operations unless they apply for and receive a water use permit from LAMSID.

7). The Permittee will be responsible for any repairs, alterations, or relocation of the utility if required for repairs or maintenance of the canal in the future.

8). Provide LAMSID with a copy of your record drawings and a copy of your bore depth logs showing where your utilities are located within the canal R/W and at what elevation they are located, within 30 days following completion of the improvements.

9). Lee County DOT must review and approve the utility work that is outside of the canal right of way along Fitch Ave.

05 - 22 - 26
-

APPLICATION FOR A PERMIT

***Note**: The review of permit applications will be conducted per the Lehigh Acres Municipal Services Improvement District's Administrative Policy and Procedures

AGENT NAME: WILLIAM KIEFER **PHONE #:** (515) 306 - 3403

PROJECT NAME: LE1_001_FDH_11 4239 E 27TH ST - OBOE CANAL 47-36-3

TOTAL ACREAGE: N/A

Property Address (STRAP associated with this address will be used as the primary STRAP for this project): 4239 E 27TH ST					
Mailing Address:	N/A				
City:	LEHIGH ACRES	**State:**	FLORIDA	**Zip:**	33920

STRAP NUMBERS (*attach additional sheet if necessary*):

36	-	43	-	27	-	L3	-	01005	-	0320									
	-		-		-		-		-										
	-		-		-		-		-										
	-		-		-		-		-										

Brief description of proposed project:

Application for: DIRECTIONAL BORE 2x1.25" HDPE SDR 11 CONDUIT 82.46'

IN THE LAMSID ROW OF OBOE CANAL 47-36-3 ALONG FITCH AVE

Is the project proposed to be developed in phases? ☐ Yes ☑ No

Estimated # of Phases:	1
***Permit Fee:**	$1986.90 **(to be verified by staff)**

* See Administrative Policy and Procedures Sections 4.15 – 4.17 for current Permit Fee Amount.

PART II

OWNER/APPLICANT/ DEVELOPER INFORMATION

A.

Name of Applicant	LUMOS FIBER OF FLORIDA, LLC				
Mailing Address:	**Street:**	4100 MENDENHALL OAKS PKWY, SUITE 300			
City:	HIGH POINT	**State:**	NORTH CAROLINA	**Zip:**	27265
Phone No.	**Area Code:** 515	**Number:**	306 - 3403	**Ext.**	
Fax No.	**Area Code:**	**Number:**	-		
E-mail Address:	WILLIAM.KIEFER@LUMOSFIBER.COM				

B. Relationship of applicant to property*:
Owner* ☐ **Trustee*** ☐ **Option holder*** ☐ **Lessee*** ☐

Contract Purchaser* ☐ **Other (indicate)*** ☑ UTILITY

C.

Name of Developer:	MILENIUM DIRECTIONAL DRILLING, INC				
Mailing Address:	**Street:**	5395 COGSWELL DR			
WAYNE		**State:**	MI	**Zip:**	48184
	Area Code: (313)	**Number:**	326 - 2333	**Ext.**	
Fax No.	**Area Code:** ( )	**Number:**	-		
E-mail Address:	FELECAND@MILENIUMBORS.COM				

D.

Name of Authorized Agent(s):	CENTILLION SOLUTIONS						
Mailing Address:	**Street:**	6030 BETHELVIEW RD, SUITE 301					
City:	CUMMING	**State:**	GEORGIA		**Zip:**	30040	
Phone No.	**Area Code:**	(480)	**Number:**	442 - 0562	**Ext.**		
Fax No.	**Area Code:**	( )	**Number:**	-			
E-mail Address:	KYLE.PARKEY@CENTILLIONSOLUTIONS.COM						

E.

Name of Property owner:	N/A						
Mailing Address:	**Street:**						
City:		**State:**			**Zip:**		
Phone No.	**Area Code:**	( )	**Number:**	-	**Ext.**		
Fax No.	**Area Code:**	( )	**Number:**	-			
E-mail Address:							

*A disclosure of the name of all persons or entities having an ownership interest in the property is required (attached).

PART III

DISCLOSURE OF OWNERSHIP INTEREST FORM FORM:

		-			-			-			-					-				

PRIMARY STRAP NUMBER:

1. If the property is owned in the fee simple by an **INDIVIDUAL**, tenancy by the entirety, tenancy in common, or joint tenancy, list all parties with an ownership interest as well as the percentage of such interest.

Name and Address	Percentage of Ownership

2. If the property is owned by a **CORPORATION**, list the officers and stockholders and the percentage of stock owned by each.

Name, Address, Office	Percentage of Stock

3. If the property is in the name of a **TRUSTEE**, list the beneficiaries of the trust with percentages of interest.

Name and Address	Percentage of Interest

4. If the property is in the name of a **GENERAL PARTNERSHIP OR LIMITED PARTNERSHIP**, list the names of general and limited partners.

Name and Address	Percentage of Interest

5. If there is a **CONTACT FOR PURCHASE**, whether contingent on this application Or not, and whether a Corporation, Trustee, or Partnership, list the names of the contract purchasers below, including the officers, stockholders, beneficiaries, or partners.

Name and Address	Percentage of Interest

Date of Contract (mm/dd/yy): / /

6. If any contingency clause or contract terms involve additional parties, list all individuals or officers, if a corporation, partnership, or trust.

Name and Address	Percentage of Interest

For any changes of ownership of changes in contracts for purchase subsequent to the date of the application, but prior to the date of final certificate for compliance, a supplemental disclosure of interest must be filed.

The above is a full disclosure of all parties of interest in this application, to the best of my knowledge and belief.

_____
SIGNATURE OF APPLICANT

WILLIAM KIEFER
_____
PRINTED OR TYPED NAME OF APPLICANT

STATE OF FLORIDA
COUNTY OF LEE

The foregoing instrument was acknowledged before me this _____ day of_____(m), _____(y), by _____ who is personally know to me or has produced _____ as identification.

_____
SIGNATURE OF NOTARY PUBLIC

_____
PRINTED NAME OF NOTARY PUBL

PART IV

EXPLANATION

All Permit Application sections must be completed and submitted.

Permit Application fees and submittal items (see Part VI) must be submitted with the application.

Any and all work involving the lands and/or facilities of the District shall not commence without a Board approved permit.

All set policies, procedures, technical requirements, and fee schedules can be found and reviewed in the 'Administrative Policy and Procedures Guide'. The Guide is available at the District Office located at 601 East County Lane, Lehigh Acres, FL or online at la-msid.com/.

PART V

PROFESSIONAL CONSULTANT FORM

ATTORNEY

Name:					
Mailing Address:					
City:		**State:**		**Zip:**	
Business No.	**Area Code:** ( )	**Number:**	-	**Ext.**	
Other Contact:					

ENGINEER

Name:	MCKIM & CREED				
Mailing Address:	5701 DIVISION DR, STE A				
City:	FORT MYERS	**State:**	FLORIDA	**Zip:**	33905
Business No.	**Area Code:** (239)	**Number:**	980 - 3384	**Ext.**	
Other Contact:					

OTHER REPRESENTATIVE/PROFESSIONAL

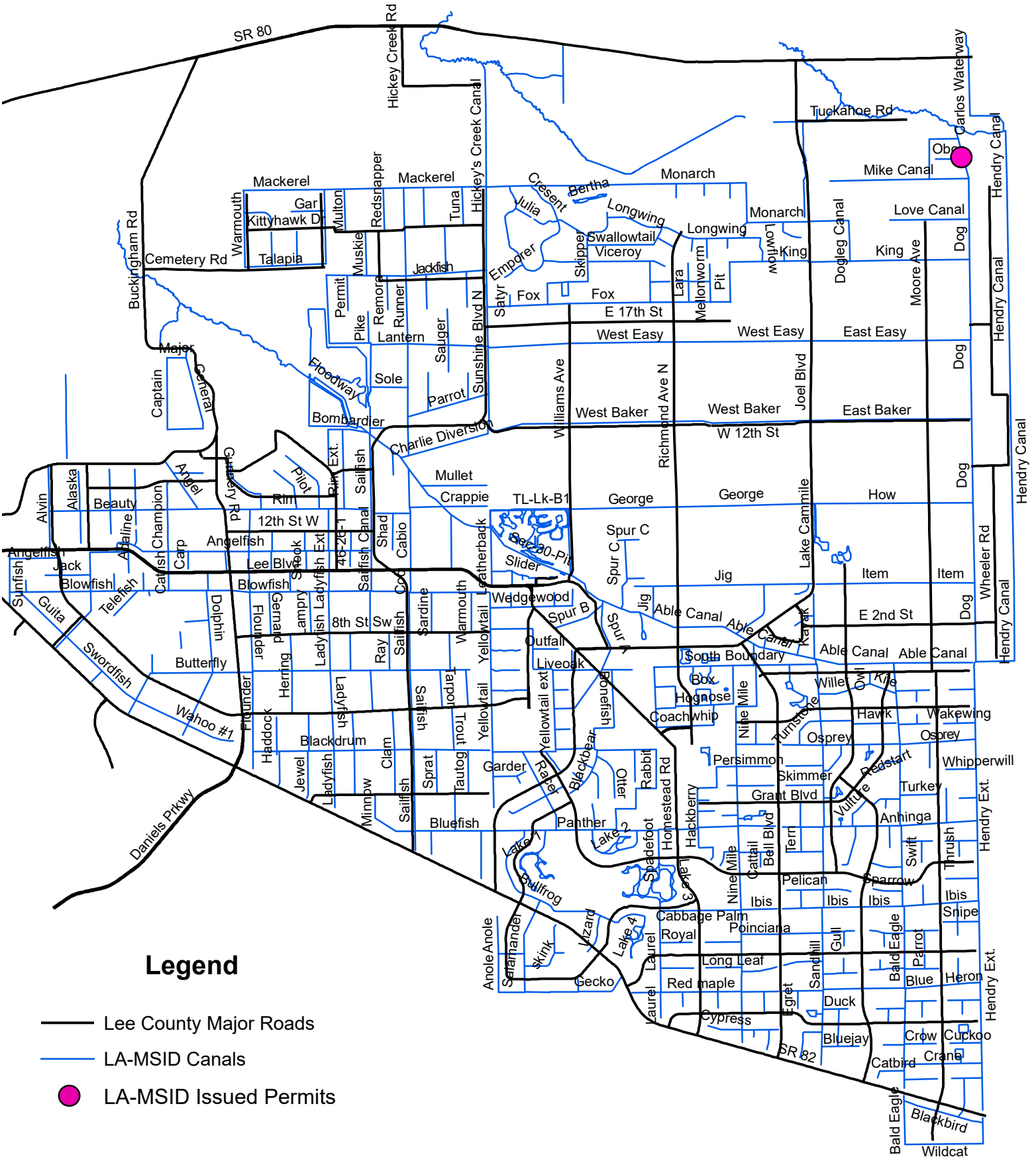
Name:	BLAIR CONSULTING SERVICES, INC				
Mailing Address:	1428 SUNBLUSH LN				
City:	LAS VEGAS	**State:**	NV	**Zip:**	89117
Business No.	**Area Code:** (813)	**Number:**	579 - 0128	**Ext.**	
Other Contact:					

PART VI

SUBMITTALS

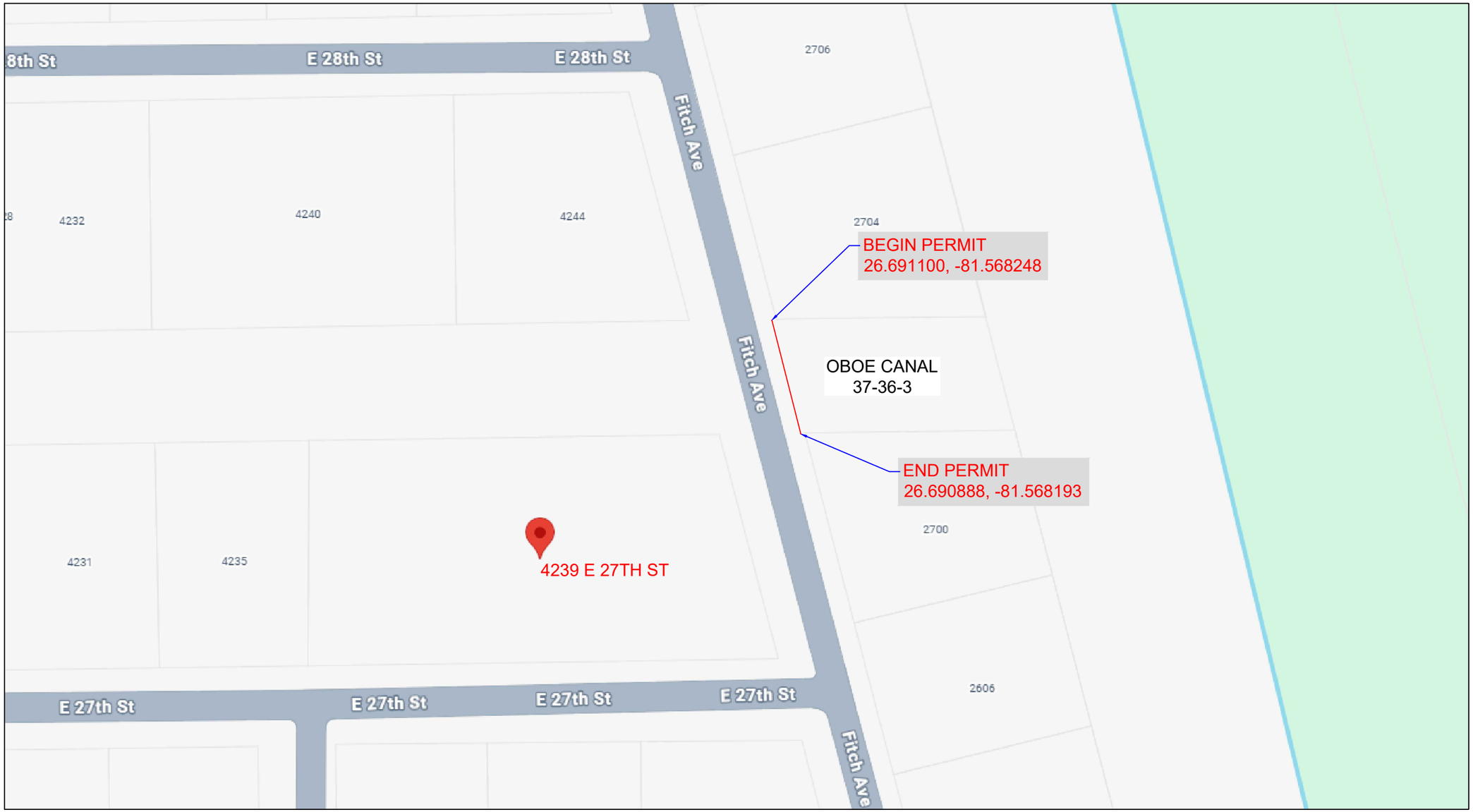
NO. OF COPIES		SUBMITTAL DOCUMENT
SUB'D	REQ'D	
		ITEMS REQUIRED FOR INITIAL SUBMITTAL
2	2	**Construction/Development Plans** signed and sealed by a Licensed Florida Professional Engineer including: 1. Location map showing the location of the proposed project in relation to adjacent streets and LA-MSID facilities. 2. Details of proposed works that fully communicate the work and/or use desired (i.e. Existing Conditions Survey, Proposed Site Plan, Paving Grading & Drainage Plan, Cross Sections, Element Details, and Erosion Control Plan sheets). 3. Sufficient survey data to determine elevations, property and ROW lines, limits of existing and proposed conditions, and notation of utilized vertical datum (NAVD/NGVD).
NA	2	**Stormwater Drainage Calculations** signed and sealed by a Licensed Florida Professional Engineer including, but not limited to, computer stormwater routing modeling data (ICPR4, Cascade, etc.) to verify compliance with the Design Criteria (input summary data below): **Water Quality Volume (Required):** _____(ACRE-FT) **Water Quality Volume (Provided):** _____(ACRE-FT) **Control Elevation:** _____(FT-NGVD) **Minimum Road/Parking Elevation:** _____(FT-NGVD) *(above the 10-year, 1-day design storm peak stage elevation)* **Minimum Perimeter Berm Elevation:** _____(FT-NGVD) *(above the 25-year, 3-day design storm peak stage elevation)* **Minimum Finished Floor Elevation:** _____(FT-NGVD) *(above the 100-year, 3-day design storm peak stage elevation and previously experienced high-water levels external to project)*
2	2	**Flash Drive / CD** containing plans in both AutoCAD (.dwg file drawn in "State Plane Coordinates") and PDF formats.
2	2	**Permit Application** (PARTS I & II)
2	2	**Disclosure of Owner Form (signed and notarized)** (PART III)
2	2	**Professional Consultant Form & Submittals** (PARTS V & VI)
NA	2	**Copy of Approved FDEP Notice of Intent (NOI)** for all sites one (1) acre and greater in size.
NA	2	**Copy of approved SWFMD permit**, for all sites required to get a permit, **or FDEP "10/2 Self-Certification"** approval.
1	1	**Check for appropriate Permit Fees** made out to LA-MSID.

Permit # 2026-99



LE1_001_FDH_11 - LEHIGH ACRES_LEE COUNTY_FLORIDA - OBOE CANAL

4239 E 27TH ST, LEHIGH ACRES, FL 33920 (26.690996, -81.568216)



PERMIT #:

PROJECT DESCRIPTION

- BURIED PLACEMENT OF 262' OF (2) 1.25" HDPE SDR 11 CONDUIT EQUIPPED WITH (1) 96-CT FIBER OPTIC CABLE. (0) PROPOSED HANDHOLES.
- PIPE TO BE INSTALLED BY MEANS OF HORIZONTAL DIRECTIONAL DRILLING AND HAND DIGGING METHODS.
- ALL AREAS DISTURBED BY INSTALLATION TO BE RESTORED TO EXISTING OR BETTER CONDITION.

DRAWING INDEX

SHEET NUMBER	SHEET TITLE	SHEET NUMBER	SHEET TITLE
1	COVER SHEET	7	PROFILE VIEW
2	SOW AND CONTACTS	8 - 9	IMAGES
3	LEGEND	10 - 12	TYPICALS
4 - 5	GENERAL NOTES		
6	PROJECT SHEETS		

PERMITTING AGENCY

LA - MSID

lumos

BLAIR CONSULTING SERVICES, Inc.

1428 SUNBLUSH LN
LAS VEGAS, NV 89117

811 Know what's below. Call before you dig.

Blair Consulting Services, INC
1428 Sunblush Ln, Las Vegas, NV 89117
Fabio Perassi - Project Manager
fsperassi@gmail.com

LUMOS
William Kiefer - OSP Project Engineer
william.kiefer@lumosfiber.com
Phone: (515) 306-3403

Jason Bush - Construction Manager
jason.bush@lumosfiber.com
Phone: (941)812-2913

EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND BASED ON AVAILABLE RECORDS AND FIELD OBSERVATIONS. CONTRACTOR IS RESPONSIBLE FOR CALLING 811 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES AND ANY DAMAGE TO THE UTILITIES SHALL BE IMMEDIATELY REPAIRED AT THE CONTRACTOR'S EXPENSE.

REVISION DATA

NO.	DESCRIPTION	BY	DATE
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SHEET TITLE:	COVER SHEET
PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_001_FDH_11
DESCRIPTION:	OBOE CANAL
DRAWING NAME:	LE1_001_FDH_11 - LEHIGH ACRES_LEE COUNTY_FLORIDA - OBOE CANAL
SHEET:	1 OF 12

SCOPE OF WORK

- BURIED PLACEMENT OF 262' OF (2) 1.25" HDPE SDR 11 CONDUIT EQUIPPED WITH (1) 96-CT MICROFIBER OPTIC CABLE. (0) PROPOSED HANDHOLES.
- PIPE TO BE INSTALLED BY MEANS OF HORIZONTAL DIRECTIONAL DRILLING AND HAND DIGGING METHODS.
- ALL AREAS DISTURBED BY INSTALLATION TO BE RESTORED TO EXISTING OR BETTER CONDITION.

UTILITY OWNER CONTACTS

LUMOS
William Kiefer - OSP Project Engineer
William.kiefer@lumosfiber.com
Phone: (515) 306-3403

Jason Bush - Construction Manager
jason.bush@lumosfiber.com
Phone: (941)812-2913

ENGINEERING COMPANY

Blair Consulting Services, INC
1428 Sunblush Ln,
Las Vegas, NV 89117

PROJECT MANAGER
Fabio Perassi
813-579-0128
fsperassi@gmail.com

UTILITIES CONTACTS

CENTURYLINK
BILL MCCLOUD
(850) 815-3144

LEE COUNTY ELECTRIC CO-OP
TOM BAILEY
(239) 656-2414

LUMOS FIBER OF FLORIDA, LLC
MARLON BROWN - SR DIRECTOR
MARLON.BROWN@LUMOSFIBER.COM
(540) 278-0304

FLORIDA GOVERNMENTAL UTILITIES AUTHORITY - LEHIGH
POTABLE WATER/SANITARY SEWER
LINA MARIA QUINTERO, PE
(727) 858-2396

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT
MICHAEL COOK
(239) 368-0044 Ext. 16
MCOOK@LA-MSID.COM
STORM WATER/CANALS

LEE COUNTY DEPARTMENT OF TRANSPORTATION (DOT)
COMMERCIAL RIGHT OF WAY USE PERMIT
(239) 533-8580
ROADS

FDOT
DISTRICT 1 - COUNTIES: CHARLOTTE, COLLIER, DESOTO, GLADES, HARDEE, HENDRY, HIGHLANDS, LEE, MANATEE, OKEECHOBEE, POLK, SARASOTA
801 N. BROADWAY AVENUE
BARTOW, FLORIDA 33830
PHONE: (800) 292-3368
PHONE: (239) 225-1900

PERMITTING AGENCY
LA - MSID

lumos

BLAIR CONSULTING SERVICES, Inc.

1428 SUNBLUSH LN
LAS VEGAS, NV 89117

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REVISION DATA

NO.	DESCRIPTION	BY	DATE
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SHEET TITLE:
SOW & CONTACTS

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_001_FDH_11
DESCRIPTION:	OBOE CANAL
DRAWING NAME:	LE1_001_FDH_11 - LEHIGH ACRES_LEE COUNTY_FLORIDA - OBOE CANAL
SHEET:	2 OF 12

LINETYPES

- UG FIBER – EXISTING
- UG FIBER – PROPOSED
- AERIAL FIBER – EXISTING
- AERIAL FIBER – PROPOSED
- COMMUNICATION (COM)
- RECLAIM WATER (RCW)
- DITCH
- GUARDRAIL
- ROAD CENTERLINE
- EASEMENT (ESMT)
- GAS (G)
- WATER (W)
- TELEPHONE (T)
- ELECTRIC (E)
- SANITARY SEWER (SEW)
- STORM DRAIN (SD)
- FENCE (X)
- CABLE TV (TV)
- STEAM (STM)
- OIL (OIL)
- UNKNOWN UTILITY (UNK)
- RIGHT OF WAY (R/W)
- EDGE OF PAVEMENT (EOP)
- SIDEWALK (S/W)

SYMBOL	DESCRIPTION
BP	BORE PIT
EOP	EDGE OF PAVEMENT
EOTW	EDGE OF TRAVEL WAY
FOC	FIBER OPTIC CABLE
HDPE	HIGH DENSITY POLYETHYLENE
HH	HANDHOLE
JB	JUNCTION BOX
MH	MANHOLE
MP	MILE POST
O/S	OFFSET
PVC	POLY VINYL CHLORIDE
RGS	RIGID GALVANIZED STEEL CONDUIT
ROW	RIGHT OF WAY
S/W	SIDEWALK
STA.	STATION

- CB — CABINET
- P — PEDESTAL
- E — ELECTRIC
- EM — ELECTRIC METER
- MH — MANHOLE
- R — RISER
- T — TELEPHONE
- P — POWER VAULT
- CATCH BASIN/INLET
- FIRE HYDRANT
- GROUND/BOND
- STREET LIGHT
- TREE
- CULVERT
- WING WALL
- BRIDGE
- U — MISC. UTILITY
- UTILITY POLE – EXISTING
- OWNER ID — POLE – PROPOSED
- HH — HANDHOLE – EXISTING
- HH — HANDHOLE – PROPOSED
- PD — PEDESTAL – PROPOSED
- MKR — PROMARK DOME MARKER POST
- BORE PIT – PROPOSED

- 0' — AERIAL STORAGE – EXISTING
- 0' — AERIAL STORAGE – PROPOSED
- 0' — VAULT/BUILDING STORAGE – EXISTING
- 0' — VAULT/BUILDING STORAGE – PROPOSED
- POLE ANCHOR/DOWN GUY – EXISTING
- POLE ANCHOR/DOWN GUY – PROPOSED
- PROPOSED DOWN GUY ON EXISTING ANCHOR
- FDP / NAME / SIZE / LOCATION — TERMINATION – EXISTING
- FDP / NAME / SIZE / LOCATION — TERMINATION – PROPOSED
- BUILDING / NAME / STREET — BUILDING CALLOUT – PROPOSED
- MANUFACTURER NAME — SPLICE POINT – EXISTING
- MANUFACTURER NAME — SPLICE POINT – PROPOSED

#F	
	IN: 0
	OUT: 0

SEQUENTIAL CALLOUT

#F	
	IN: 0
	TAIL: 0

SEQUENTIAL IN TAIL CALLOUT

#F	
	TAIL: 0
	OUT: 0

SEQUENTIAL TAIL OUT CALLOUT

POLE NO	N/A
UTILITY1	0'-0"

POLE ATTACHMENT CALLOUT – EXISTING
USE DYNAMIC PULL DOWN TO SELECT FROM 1 TO 6 ATTACHMENTS

POLE NO	N/A
UTILITY1	0'-0"

POLE ATTACHMENT CALLOUT – PROPOSED
USE DYNAMIC PULL DOWN TO SELECT FROM 1 TO 6 ATTACHMENTS

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LAS VEGAS, NV 89117

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REVISION DATA

NO.	DESCRIPTION	BY	DATE
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SHEET TITLE: LEGEND

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_001_FDH_11
DESCRIPTION:	OBOE CANAL
DRAWING NAME:	LE1_001_FDH_11 - LEHIGH ACRES_LEE COUNTY_FLORIDA - OBOE CANAL
SHEET:	3 OF 12

GENERAL NOTES

CONTRACTOR MUST OBTAIN LOCATES PRIOR TO DISTURBING THE GROUND.

CONTRACTOR MUST HAVE A COPY OF THE APPROVED PERMIT FROM THE APPROPRIATE AGENCY ON THE JOBSITE AT ALL TIMES.

ALL CABLE WILL BE PLACED AT A MINIMUM DEPTH OF 36" DEEP UNLESS OTHERWISE DIRECTED BY A REPRESENTATIVE OF THE UTILITY OWNER.

ANY LANDSCAPING WILL BE REPLACED TO EQUAL OR BETTER THAN THAT WHICH EXISTED PRIOR TO WORK, 72 HOURS AFTER COMPLETION OF WORK.

PROJECT SITE WILL BE PROPERLY SECURED PRIOR TO THE END OF EACH DAY.

ALL WORK IS TO BE IN ACCORDANCE WITH ALL AUTHORITIES HAVING JURISDICTION IN THE WORK ZONE.

CONTRACTORS ARE ADVISED TO CONTACT THE PROJECT MANAGER FOR ANY ADDITIONAL INFORMATION OR CLARIFICATION CONCERNING SCOPE OF WORK OR THE REQUIREMENTS NECESSARY FOR PROJECT COMPLETION.

CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY ALL DIMENSIONS, QUANTITIES AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION. IF A SIGNIFICANT CHANGE TO THE RUNNING LINE IS NEEDED, PLEASE CONTACT THE PROJECT MANAGER BEFORE PROCEEDING.

BEFORE CONSTRUCTION BEGINS, CONTRACTOR SHALL TAKE APPROPRIATE PRECAUTIONS TO AVOID ANY POTENTIAL OBSTRUCTIONS PRIOR TO PROCEEDING WITH WORK.

NO CONSTRUCTION ON PRIVATE PROPERTY WILL COMMENCE UNTIL APPROVAL IS GIVEN BY A REPRESENTATIVE OF THE UTILITY OWNER.

CONTRACTOR SHALL NOT PROCEED WITH WORK UNTIL THEY HAVE RECEIVED A PURCHASE ORDER AND HAVE BEEN DIRECTED TO DO SO BY AN AUTHORIZED REPRESENTATIVE OF THE UTILITY OWNER.

CONTRACTOR SHALL NOT EXCEED THE PURCHASE ORDER VALUE WITHOUT AUTHORIZATION IN WRITING FROM THE APPROPRIATE REPRESENTATIVE OF THE UTILITY OWNER.

AS-BUILTS WILL BE REQUIRED FOR EACH PROJECT INCLUDING CABLE FOOTAGE SEQUENTIALS AT EVERY ACCESS POINT, SLACK LOOP, SPLICE LOCATION, POLE AND TERMINATION POINT. CONTRACTOR SHOULD ALSO PROVIDE NOTES OF ALL CHANGES IN DEPTHS, RUNNING LINES, MH/HH LOCATIONS, AND ANY OTHER APPLICABLE NOTES TO DEPICT THE WORK THAT TOOK PLACE. NOTE: ALL MAJOR CHANGES NEED TO BE PRE-APPROVED BY AN AUTHORIZED REPRESENTATIVE OF THE UTILITY COMPANY PRIOR TO STARTING THE WORK.

SITE CONDITIONS

THE ACTUAL LOCATION OF EXISTING CONDUIT AND CABLES MAY VARY FROM THE LOCATION SHOWN. REPAIR OF ANY DAMAGED CONDUIT CONTAINING CABLE SHALL BE MADE BY USE OF PVC SPLIT DUCT. THE CONTRACTOR SHALL ENCLOSE THE EXISTING CABLES IN PVC.

THE LOCATIONS OF EXISTING UTILITIES SHOWN IN THIS PLAN ARE APPROXIMATE. WHEN WORK IS TO BE CONDUCTED IN THE VICINITY OF KNOWN UTILITIES, THEIR ACTUAL LOCATION MUST BE FIELD VERIFIED TO AVOID CONFLICTS OR DAMAGE TO THOSE UTILITIES. VARIATION IN LOCATION BETWEEN "RECORDED POSITIONS" AND ACTUAL POSITIONS SHOULD BE ANTICIPATED.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES. BURIED UTILITIES MAY EXIST IN THE AREA IN ADDITION TO THOSE SHOWN ON THE PLAN. THE CONTRACTOR SHALL CONTACT PROPERTY OWNERS WHEN WORKING WITHIN PRIVATE EASEMENTS FOR LOCATION OF UNDERGROUND TANKS, PIPELINES, DRAIN TILES, OR OTHER BURIED IMPROVEMENTS. THE CONTRACTOR SHALL ALSO NOTIFY THE UTILITY NOTIFICATION CENTER PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITIES.

THE CONTRACTOR MUST ASSUME ALL BURIED UTILITIES ENCOUNTERED ARE ALIVE AND ACTIVE UNLESS SPECIFICALLY INSTRUCTED OTHERWISE BY OWNERS OR OPERATORS OF SAID UTILITIES.

DAMAGE TO SUB-SURFACE STRUCTURES IS THE SOLE RESPONSIBILITY OF THE PLACING CONTRACTOR.

THE CONTRACTOR SHALL PROTECT THE EXISTING TRAFFIC CONTROL LOOPS. IF EXISTING TRAFFIC CONTROL LOOPS ARE DAMAGED DURING CONSTRUCTION, THE ENTIRE LOOP WIRE FROM TERMINAL TO TERMINAL SHALL BE REPLACED IN ACCORDANCE WITH GOVERNING AGENCY STANDARDS AND REGULATIONS AT CONTRACTOR'S EXPENSE.

REMOVAL OF EXISTING ASPHALT PAVEMENT, CONCRETE CURBS, AND CONCRETE SIDEWALKS WILL BE "NEAT LINE" WITH SAW OR PAVEMENT CUTTER, PER REQUIREMENTS AND SPECIFICATIONS OF THE AGENCY OR DEPARTMENT RESPONSIBLE FOR EACH LOCATION. IF CONCRETE PAVEMENT IS ENCOUNTERED WHILE EXCAVATING CONDUIT TRENCHES, THE CONCRETE REMOVAL WILL BE "NEAT LINE" WITH A PAVEMENT SAW.

IF CONCRETE CURB RETURNS AND/OR SIDEWALKS ARE REPLACED DUE TO CONDUIT OR MANHOLE INSTALLATION, THE CONTRACTOR SHALL PLACE APPROVED HANDICAPPED SIDEWALK AND CURB ACCESS RAMPS IN CONFORMANCE WITH THE APPROPRIATE STATE STATUTES.

ALL MATERIALS NECESSARY FOR THE REPAIR OF STREETS, CURBS, SIDEWALKS, SANITARY SEWERS, STORM SEWERS, AND PUBLIC SERVICE UTILITIES, AND THE INSTALLATION OF SUCH MATERIALS SHALL BE IN CONFORMANCE WITH THE REQUIREMENTS AND SPECIFICATIONS OF THE AGENCY OR DEPARTMENT RESPONSIBLE FOR THE OPERATION AND MAINTENANCE OF THE REPAIRED FACILITY.

ALL WORK SHALL CONFORM TO THE SPECIFICATIONS OF THE JURISDICTIONAL PERMIT AGENCY.

ALL OPEN TRENCH WILL BE CLEARLY MARKED WITH BARRICADES OR CONES. STEEL PLATES OR OTHER TYPES OF BRIDGING SHALL BE PROVIDED TO COVER OPEN TRENCH IN THE TRAVEL PORTION OF THE STREETS. THESE PLATES OR BRIDGING SHALL BE ADEQUATE TO SUPPORT THE NORMAL VEHICLE LOADS ANTICIPATED IN THIS AREA AND SHALL BE IN PLACE DURING ALL NON-WORKING AREAS.

ALL SURFACES TO BE RESTORED TO ORIGINAL CONDITION, AND BACKFILL TO BE COMPACTED AS SPECIFIED. TRENCH EXCAVATION IN SURFACES WHICH INCLUDE CONCRETE TREATED BASE SHALL FOLLOW LOCAL AREA SPECIFICATIONS.

HAZARDOUS MATERIALS

THE CONTRACTOR SHALL NOTIFY THE JURISDICTIONAL PERMIT AGENCY IMMEDIATELY IF ANY MATERIALS ARE ENCOUNTERED THAT ARE CONSIDERED HAZARDOUS BY THE EPA, DEQ, OR OSHA. IF POTENTIALLY HAZARDOUS MATERIALS ARE ENCOUNTERED THE CONTRACTOR SHALL SECURE THE SITE AND PREVENT THE ACCIDENTAL EXPOSURE BY THE PUBLIC OR THE CONTRACTOR'S PERSONNEL.

THE CONTRACTOR MAY EXCAVATE UP TO, BUT SHALL NOT DISTURB KNOWN HAZARDOUS MATERIALS SUCH AS ASBESTOS, OILS, ACID, ETC. THE REMOVAL OF ALL HAZARDOUS MATERIALS MUST BE DONE BY AN APPROVED OR CERTIFIED HAZARDOUS MATERIALS CONTRACTOR LICENSED IN THE APPROPRIATE STATE.

A COPY OF ALL CORRESPONDENCE PERTINENT TO THE REMOVAL OF HAZARDOUS MATERIALS SHALL BE TRANSMITTED TO OWNER AND A COPY SHALL BE AVAILABLE AT THE PROJECT OFFICE AND THE JOB SITE.

AERIAL NOTES

- AERIAL CONSTRUCTION TO BE PERFORMED TO INDUSTRY ACCEPTABLE STANDARDS.
- ALL HEIGHTS OF CABLE PLACEMENT WILL BE RECORDED AT TIME OF CONSTRUCTION. DOCUMENT ALL POINTS OF ATTACHMENT.
- ALL EXTENSION ARMS TO BE PLACED WILL BE EPOXY ARMS UNLESS OTHERWISE NOTED OR APPROVED BY THE INSPECTOR.
- BOND STRAND TO POWER MGN WHERE APPLICABLE. ANCHORS TO BE USED WILL BE 3/4 SCREW IN TYPE.
- ALL STRAPS WILL BE PLACED 4" BEFORE AND AFTER EVERY SUPPORTING CLAMP AT A MINIMUM OF 21" APART.
- P.O.A. = POINT OF ATTACHMENT.
- ADD MISSING GROUNDS.
- REPAIR/REPLACE EXISTING LASHING WIRE IF DAMAGED.

CONSTRUCTION STAKING

IN AREAS WHERE THE CONDUIT ALIGNMENT IS NOT CLEARLY DEFINED BY CURB LINES, FENCE LINES, OR OTHER EVIDENCE OF THE RIGHT-OF-WAY, THE ENGINEER WILL PROVIDE CENTERLINE STAKES OR PAINT MARKS WHERE REQUIRED TO MAKE THE PROPOSED CONDUIT ALIGNMENT EVIDENT.

MANHOLE CENTERS WILL BE FIELD STAKED BY THE ENGINEER WHEN REQUESTED WITH OFFSET STAKES AT RIGHT ANGLES (90°) TO THE CONDUIT ALIGNMENT.

CLOSURES IDENTIFIED IN THE PLANS SHALL BE LOCATED BY THE CONTRACTOR. DEVIATION FROM PLAN LAYOUT SHALL BE APPROVED BY THE ENGINEER PRIOR TO CONDUIT AND/OR CLOSURE INSTALLATION.

IF ADDITIONAL, FIELD STAKING OR LOCATION OF CONDUITS, MANHOLES, PROPERTY LINES, ETC., BECOMES NECESSARY, THE CONTRACTOR IS TO NOTIFY THE INSPECTOR OR THE ENGINEER TWO WORKING DAYS PRIOR TO BEGINNING THE WORK.

PERMITTING AGENCY

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EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND BASED ON AVAILABLE RECORDS AND FIELD OBSERVATIONS. CONTRACTOR IS RESPONSIBLE FOR CALLING 811 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES AND ANY DAMAGE TO THE UTILITIES SHALL BE IMMEDIATELY REPAIRED AT THE CONTRACTOR'S EXPENSE.

REVISION DATA

NO.	DESCRIPTION	BY	DATE
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SHEET TITLE:	GENERAL NOTES
PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_001_FDH_11
DESCRIPTION:	OBOE CANAL
DRAWING NAME:	LE1_001_FDH_11 - LEHIGH ACRES_LEE COUNTY_FLORIDA - OBOE CANAL
SHEET:	4 OF 12

PERMITS - FRANCHISES - EASEMENTS

PHYSICAL WORK SHALL NOT BE STARTED UNTIL THE GOVERNING AGENCY INSPECTOR AND THE CONTRACTOR ARE IN POSSESSION OF AND HAVE CAREFULLY REVIEWED AND FULLY UNDERSTAND ALL CONDITIONS AND SPECIFICATIONS SET FORTH IN THE REQUIRED PERMITS, FRANCHISES, AND/OR EASEMENTS.

PLACING FOREMAN TO HAVE A COPY OF THE PERMITS/EASEMENTS ON SITE AT ALL TIMES.

ANY CONFLICT BETWEEN WORK PRINT SPECIFICATIONS AND SPECIFICATIONS SET FORTH UNDER RELATED PERMITS, FRANCHISES, AND/OR EASEMENTS MUST BE CLEARED BY PROPER COMPANY AUTHORITY BEFORE PROGRESSING WITH WORK INVOLVED

TRAFFIC CONTROL

THIS PROJECT WILL INVOLVE WORKING ALONG A MAJOR ARTERIAL ROAD AND HEAVY TRAFFIC VOLUME SHOULD BE ANTICIPATED.

UNIFORM TRAFFIC FLOW SHALL BE MAINTAINED AT ALL TIMES. ONLY EQUIPMENT AND MATERIALS NECESSARY FOR IMMEDIATELY SCHEDULED OR IN PROGRESS WORK WILL BE MAINTAINED IN THE WORK AREA. ALL OTHER EQUIPMENT AND MATERIALS WILL BE "STORED OR STOCKPILED" IN SUCH A MANNER AS TO ELIMINATE HAZARDOUS CONDITIONS FOR TRAFFIC OR PEDESTRIANS DURING NON-WORKING OR SHUT DOWN PERIODS.

TRAFFIC WARNING DEVICES AND SIGNS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (U.S. GOVERNMENT PRINTING OFFICE) AND TO THE STATE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION. HIGH LEVEL WARNING TYPE DEVICES ARE TO BE USED AT ALL TIMES AND SPECIAL WARNING DEVICES MAY BE STIPULATED BY THE JURISDICTIONAL PERMIT AGENCY AT ANY TIME THE USE WILL ADD TO THE SAFETY AND PROTECTION OF TRAFFIC OR PEDESTRIANS IN THE CONSTRUCTION AREA.

ALL CONDUIT TRENCHING IN PAVED AREAS SHALL BE BACKFILLED WITH CRUSHED GRAVEL OR COMPLETELY COVERED AT THE COMPLETION OF EACH WORKING DAY. ANY BACKFILLED TRENCH SHALL BE CAPPED WITH A MINIMUM LAYER OF ASPHALTIC CONCRETE COLD PATCH AT THE END OF EACH WORKING DAY.

THE CONTRACTOR SHALL MARK THE CONDUIT TRENCH AND DEFINE HIS CONSTRUCTION AREA CLEARLY WITH BARRICADES, CONES, AND/OR OTHER VISIBLE METHODS THAT ALERT THE PUBLIC OF THE CONSTRUCTION ACTIVITY.

A TRAFFIC CONTROL PLAN SHALL BE PREPARED BY THE CONTRACTOR AS REQUIRED AND SUBMITTED TO EACH PERMITTING AGENCY REQUESTING SUCH PLAN FOR REVIEW AND APPROVAL OR REVISION PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITY FOR THIS PROJECT. THE APPROVED PLAN SHALL BE SUBMITTED TO THE AGENCY AND A COPY OF THE PLAN SHALL BE KEPT AT THE CONSTRUCTION SITE AND MUST BE READILY AVAILABLE REVIEW BY THE AGENCY REPRESENTATIVES.

SPECIAL UTILITY CLEARANCES

ALL WORK CONDUCTED ADJACENT TO WATER MAINS SHALL CONFORM TO THE FOLLOWING CONDITIONS:

A. WHEREVER POSSIBLE CONDUIT SHALL MAINTAIN A HORIZONTAL SEPARATION OF 3.0 FEET, MEASURED SURFACE TO SURFACE (OUTSIDE EDGE TO OUTSIDE EDGE), FROM PARALLEL WATER MAINS.

B. WHEREVER POSSIBLE, CONDUIT SHALL PASS UNDER EXISTING WATER MAINS AND MUST MAINTAIN 24" VERTICAL CLEAR SEPARATION. CONDUITS PASSING OVER WATER MAINS MUST ALSO MAINTAIN THE 24" VERTICAL SEPARATION.

C. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING THIS REQUIRED VERTICAL SEPARATION BY EITHER EXPOSING THE WATER MAIN EVERY 100 FEET IN THOSE AREAS WHERE HORIZONTAL SEPARATION IS LESS THAN 3.0 FEET OR BY UTILIZING THE DEPTHS OF ADJACENT WATER VALVES. IF THE CONTRACTOR UTILIZES THE ADJACENT WATER TO DETERMINE WATER MAIN DEPTH, HE SHALL CONTACT THE AGENCY AT EACH SUCH LOCATION AND THE AGENCY WILL DETERMINE THE NECESSARY DEPTH OF THE TOP OF THE CONDUIT AT THAT POINT.

D. THE VERTICAL AND HORIZONTAL SEPARATION SHALL BE MAINTAINED AT ALL TIMES UNLESS SPECIFICALLY REVISED BY AGREEMENT BETWEEN THE JURISDICTIONAL PERMIT AGENCY AND THE AGENCY ANY SPECIFIC DEVIATION IN VERTICAL AND HORIZONTAL SEPARATION FROM THOSE DESCRIBED SHALL BE REPORTED TO THE OWNER BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING VERTICAL AND HORIZONTAL SEPARATION AT ALL TIMES AND SHALL BE RESPONSIBLE FOR ANY AND ALL ENCROACHMENTS.

E. CLEARANCES TO STORM SEWERS AND SANITARY SEWERS SHALL BE EXACTLY THE SAME AS THOSE TO WATER MAINS.

STRUCTURE PROTECTION

MANHOLES AND CONDUIT TO BE PLACED ADJACENT TO EXISTING STRUCTURES SUCH AS BRIDGE BRIDGE FOOTINGS/PIERS, BUILDING FOUNDATIONS, WALLS, POWER AND TELEPHONE POLES, AND OTHER UTILITIES SHALL MAINTAIN A MINIMUM CLEARANCE AS SHOWN. THE CONTRACTOR SHALL NOT UNDERMINE ANY ADJACENT STRUCTURE WITHOUT SPECIFIC WRITTEN PERMISSION FROM THE OWNER/OPERATOR OF SUCH STRUCTURE.

SHORING USED AS FOUNDATION SUPPORT SHALL BE DESIGNED SPECIFICALLY FOR BOTH THE LIVE AND DEAD LOADS OF THE STRUCTURE, OR IF ONLY THE DEAD LOAD IS USED FOR DESIGN, THE CONTRACTOR SHALL PROVIDE A DETAILED LAYOUT AND PLAN OF THE METHOD OF ESTABLISHING AND MAINTAINING THE DESIGN LOAD CONDITIONS (I.E., ROAD DETOURS, TIEBACKS, ETC.).

SEE UTILITY CLEARANCE SECTION NOTES FOR CLEARANCE CRITERIA TO PARALLEL OR CROSS UTILITIES.

EXISTING UTILITIES EXPOSED DURING EXCAVATION SHALL BE 100% SUPPORTED BY EITHER TRENCH BRIDGING AND SUSPENSION OR BY THE USE OF LONGITUDINAL TRAYS OR PLATFORMS VERTICALLY SUPPORTED BY ADJUSTABLE BUILDING JACKS.

EXISTING SPLICE CASES AND CABLES SHALL BE SUPPORTED BY SUSPENSION FROM A CROSSING BEAM. SUPPORTS SHALL BE PLACED AT A MAXIMUM SPACING OF 4.0 FEET AND SHALL CONSIST OF A CANVAS SLING WITH NYLON BELTING OR ROPE. ALL CABLE SUPPORTS SHALL BE PLACED IN A MANNER THAN PREVENTS KINKS OR OTHER DAMAGE TO THE CABLE SHEATH.

AN ACCEPTABLE ALTERNATIVE TO CABLE SLINGS WOULD BE THE UTILIZATION OF A WIDE FLANGE "I" BEAM OR CHANNEL AS A "CABLE TRAY" WITH THE CABLES/CASES BANDED IN PLACE.

SHORING

THE CONTRACTOR SHALL PROVIDE SHORING FOR CONDUIT TRENCH EXCAVATION 42" OR MORE IN DEPTH AS MEASURED FROM THE HIGH SIDE OF THE TRENCH AND FOR ALL MANHOLE EXCAVATION.

MANHOLE SHORING SHALL BE TIGHT-SHEETED.

ALL SHORING SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF LOCAL COUNTY AND THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA).

SHORING SHALL BE DESIGNED TO MEET H-20 HIGHWAY LOADING.

THE CONTRACTOR SHALL PROVIDE ALL SHORING AND DESIGN CALCULATIONS TO THE PERMIT ISSUING AGENCY PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITY.

UTILITY NOTE:

EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND BASED ON AVAILABLE RECORDS, VERBAL INFORMATION AND/OR PHYSICAL FEATURES. PRIOR TO CONSTRUCTION (AT LEAST 72 HOURS OR THE MORE RESTRICTIVE MINIMUM NOTIFICATION PERIOD), THE CONTRACTOR SHALL CONTACT SUNSHINE 811 TO ALLOW MARKING OF EXISTING BURIED UTILITIES WITHIN THE SCOPE OF THE PROPOSED WORKZONE.

SOFT DIGS &/OR POTHOLING SHALL BE REQUIRED BY CONTRACTOR TO IDENTIFY EXISTING UTILITY DEPTHS.

MINIMUM 24" SEPARATION SHALL BE MAINTAINED FROM ALL EXISTING UTILITIES UNLESS SUPERVISED.

PERMITTING AGENCY

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SHEET TITLE:
GENERAL NOTES

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_001_FDH_11
DESCRIPTION:	OBOE CANAL
DRAWING NAME:	LE1_001_FDH_11 - LEHIGH ACRES_LEE COUNTY_FLORIDA - OBOE CANAL
SHEET:	5 OF 12

PROPOSED BORE
PIT 00+00

PROPOSED UTILITY
MARKER 00+90

PROPOSED UTILITY
MARKER 01+72

PROPOSED BORE
PIT 02+62

DIRECTIONAL BORE:
- (2) 1.25" HDPE SDR 11 CONDUIT
- 262'
- MINIMUM DEPTH = 187.2" STA– 00+90 TO 01+72

FINCH AVE

18'

50'

14' 01+36

82.46'

OBOE CANAL
37-36-3

OBOE CANAL
37-36-3

E 27TH ST

ESMT R/W EOP MKR

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0 10' 20' 30' 40'
SCALE: 1"=40'

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REVISION DATA

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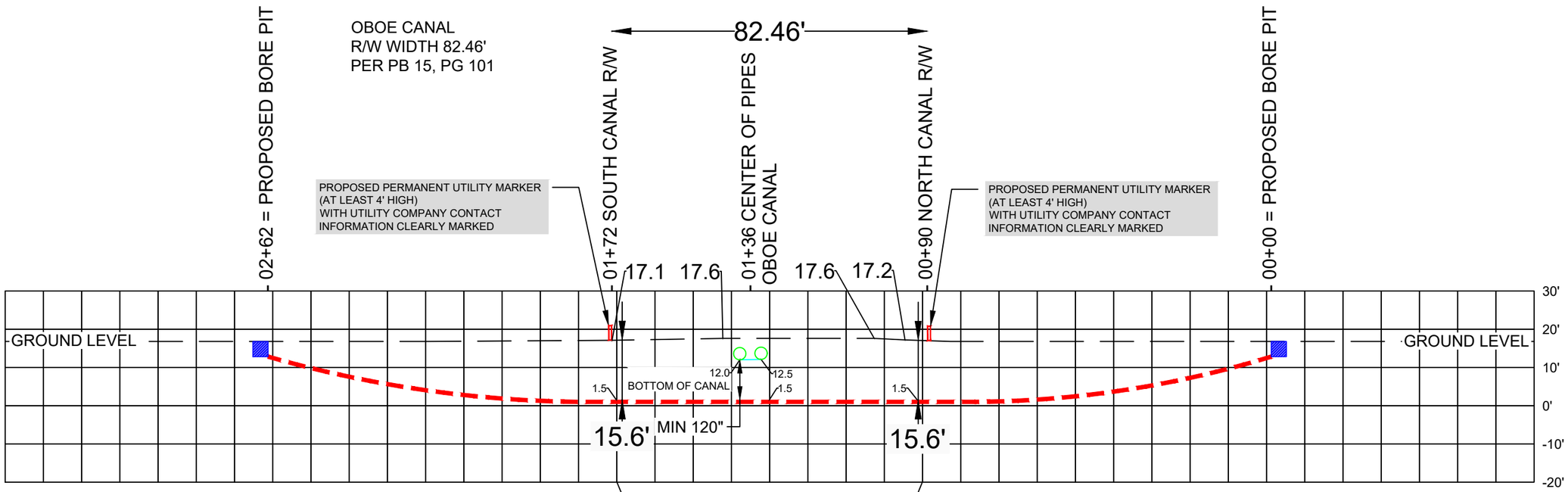
SHEET TITLE:
PROJECT SHEET

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_001_FDH_11
DESCRIPTION:	OBOE CANAL
DRAWING NAME:	LE1_001_FDH_11 - LEHIGH ACRES_LEE COUNTY_FLORIDA - OBOE CANAL
SHEET:	6 OF 12

SUB-GRADE VERTICAL PROFILE VIEW
FITCH AVE
LOOKING WEST



UTILITY NOTE:

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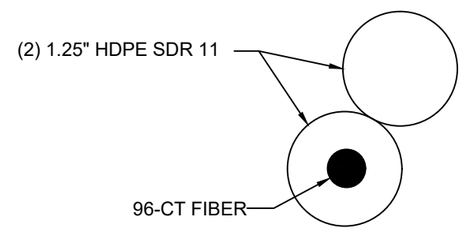
PIPE DETAIL



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811 Know what's below. Call before you dig.

0 10' 20' 30'
SCALE: 1"=30'

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REVISION DATA

NO.	DESCRIPTION	BY	DATE
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SHEET TITLE:
PROFILE VIEW

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_001_FDH_11
DESCRIPTION:	OBOE CANAL
DRAWING NAME:	LE1_001_FDH_11 - LEHIGH ACRES_LEE COUNTY_FLORIDA - OBOE CANAL
SHEET:	7 OF 12



STREET LEVEL VIEW
STA 00+90
FACING SOUTH

05/08/2026 10:08AM
26.691100, -81.568248
2704 FITCH AVE
LEHIGH ACRES, FL 33920

PERMITTING AGENCY
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LAS VEGAS, NV 89117

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SHEET TITLE: IMAGES

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_001_FDH_11
DESCRIPTION:	OBOE CANAL
DRAWING NAME:	LE1_001_FDH_11 - LEHIGH ACRES_LEE COUNTY_FLORIDA - OBOE CANAL
SHEET:	8 OF 12

STREET LEVEL VIEW
STA 01+72
FACING NORTH



05/09/2026 10:07AM
26.690888, -81.568193
2700 FITCH AVE
LEHIGH ACRES, FL 33920

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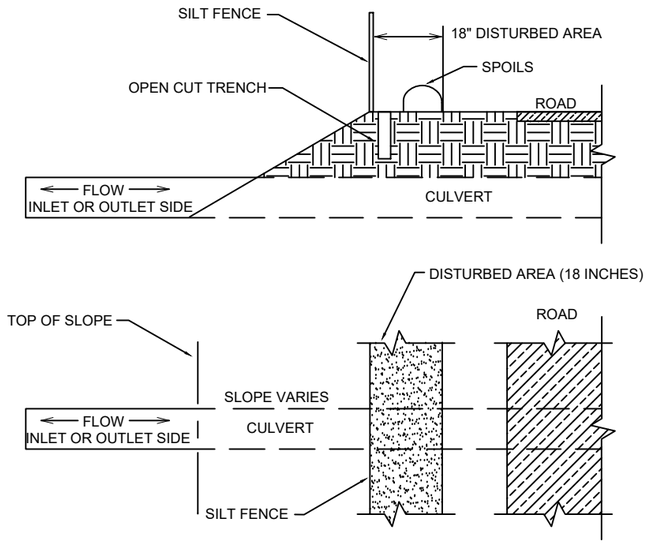
SHEET TITLE: IMAGES

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_001_FDH_11
DESCRIPTION:	OBOE CANAL
DRAWING NAME:	LE1_001_FDH_11 - LEHIGH ACRES_LEE COUNTY_FLORIDA - OBOE CANAL
SHEET:	9 OF 12

TYPICALS

CULVERT CUT OVER ON ROADSIDE SHOULDER

NOT TO SCALE



GENERAL NOTES

1. INSTALL SILT FENCE TO PROTECT DOWNSTREAM AREAS FROM SEDIMENTATION PRIOR TO CONSTRUCTION.
2. INSTALL SILT FENCE AS NEEDED TO PROTECT DRAINAGE FEATURES, BUT NO LESS THAN 10' ON EITHER SIDE OF CULVERT.

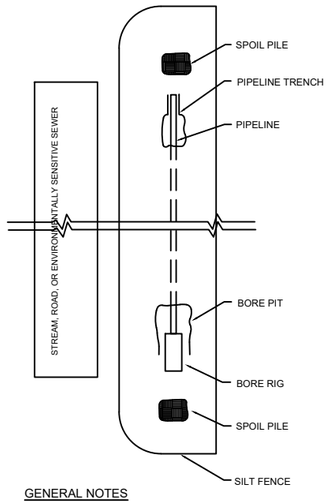
MAINTENANCE NOTES

INSPECT CULVERT CROSSING STRUCTURES WEEKLY AND AFTER EACH SIGNIFICANT RAINFALL EVENT (0.5" OR GREATER) TO SEE IF ANY EROSION AROUND OR BELOW THE SILT FENCE HAS OCCURRED, IMMEDIATELY MAKE ALL NEEDED REPAIRS TO PREVENT FURTHER DAMAGE.

*REF: 6.41.5 NC Erosion and Sediment Control Planning and Design Manual, 2006

DIRECTIONAL BORE DETAIL (PARALLEL)

NOT TO SCALE

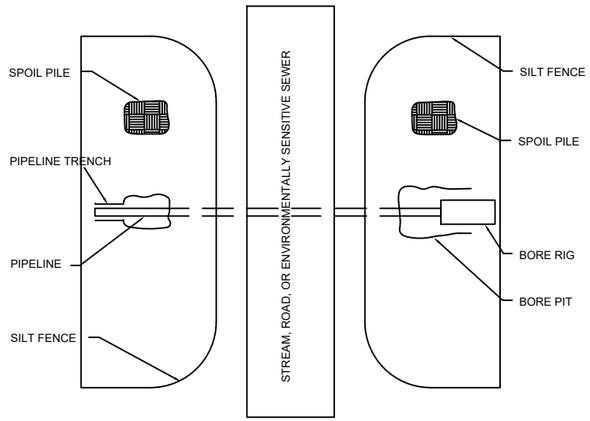


GENERAL NOTES

1. BORE PITS AND SPOILS PILES SHALL BE ENCLOSED ON THREE SIDES AS SHOWN WITH SILT FENCE

DIRECTIONAL BORE DETAIL (TRAVERSE)

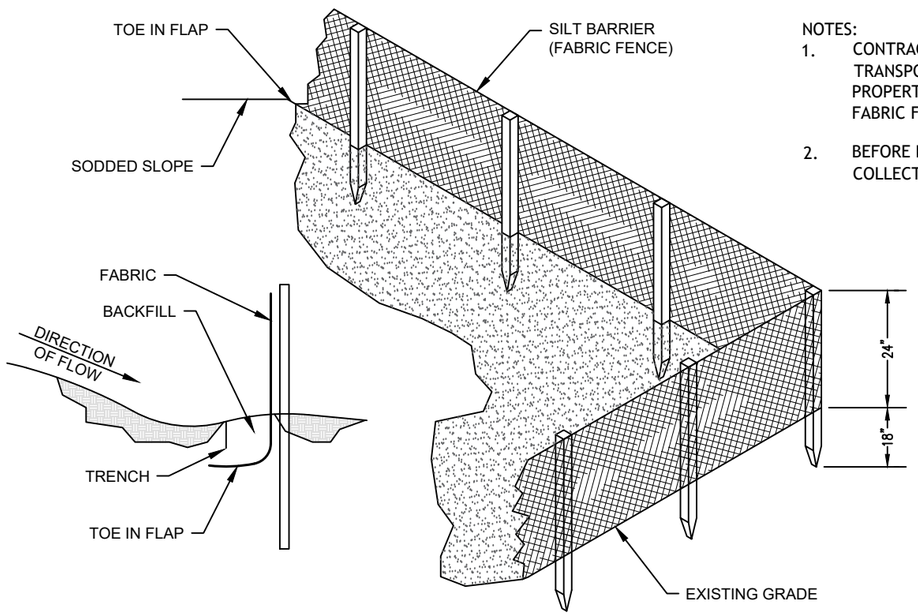
NOT TO SCALE



GENERAL NOTES

1. BORE PITS AND SPOILS PILES SHALL BE ENCLOSED ON THREE SIDES AS SHOWN WITH SILT FENCE

FABRIC FENCE SILT - BARRIER



NOTES:

1. CONTRACTOR IS REQUIRED TO PREVENT ANY SEDIMENT TRANSPORT FROM THE PROJECT SITE ON TO ADJACENT PROPERTY. INSTALLATION OF EITHER BALED HAY OR FABRIC FENCE TYPE SILT BARRIER IS ACCEPTABLE.
2. BEFORE REMOVING SILT BARRIER, CONTRACTOR SHALL COLLECT AND DISPOSE OF ANY ACCUMULATED SILT.

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REVISION DATA

NO.	DESCRIPTION	BY	DATE
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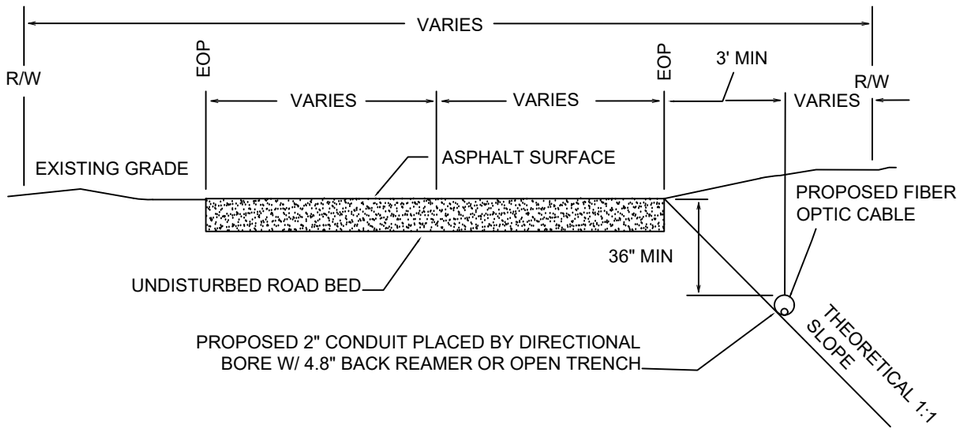
SHEET TITLE: TYPICALS

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_001_FDH_11
DESCRIPTION:	OBOE CANAL
DRAWING NAME:	LE1_001_FDH_11 - LEHIGH ACRES_LEE COUNTY_FLORIDA - OBOE CANAL
SHEET:	10 OF 12

TYPICALS

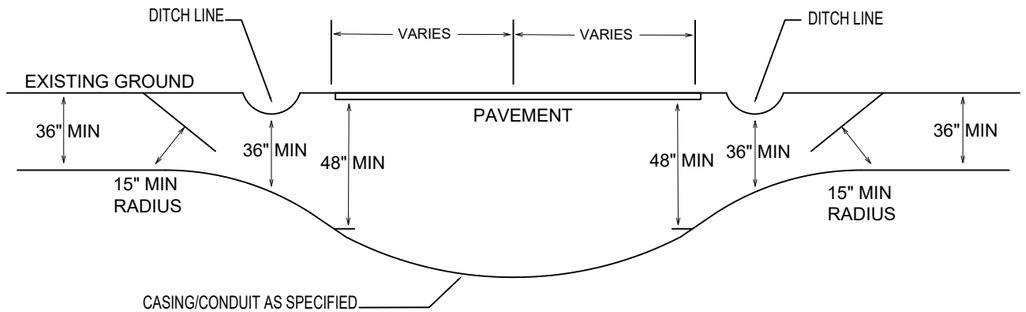
PARALLEL CONDUIT DETAIL FOR FDOT RIGHT-OF-WAY

NOT TO SCALE



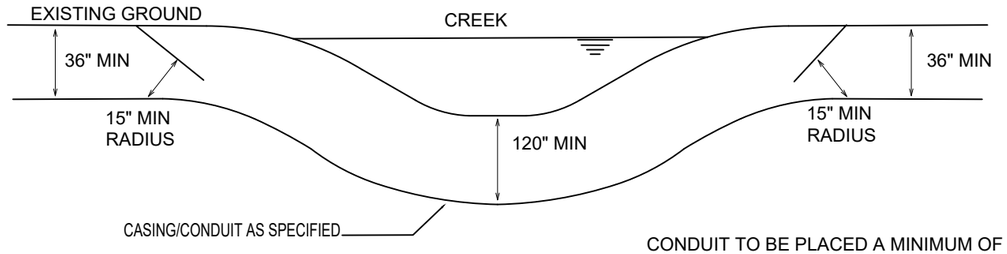
DIRECTIONAL BORE UNDER SECONDARY ROADWAY

NOT TO SCALE



DIRECTIONAL BORE UNDER CREEK BED

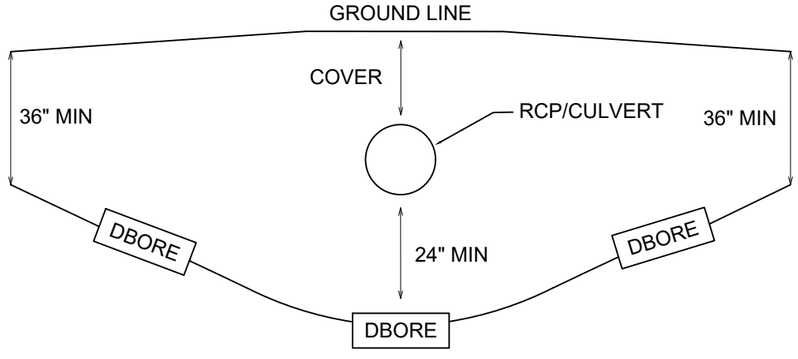
NOT TO SCALE



CONDUIT TO BE PLACED A MINIMUM OF 10 FEET BELOW CREEK BED

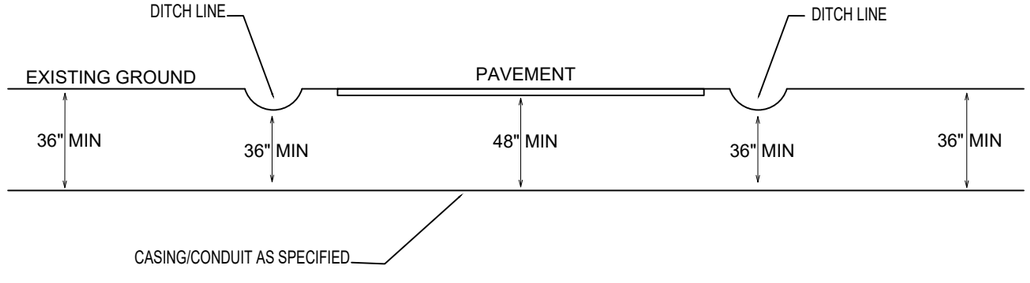
CULVERT CROSSING DETAIL

NOT TO SCALE



DRY BORE UNDER ROADWAY

NOT TO SCALE



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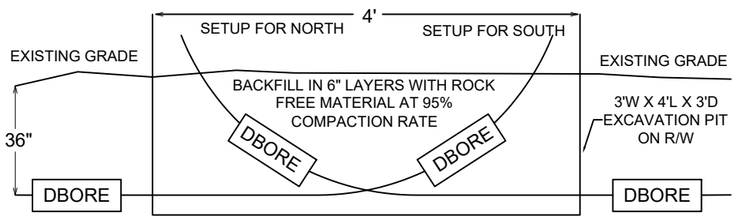
DESCRIPTION:	OBOE CANAL
DRAWING NAME:	LE1_001_FDH_11 - LEHIGH ACRES_LEE COUNTY_FLORIDA - OBOE CANAL
SHEET:	11 OF 12

TYPICALS

DIRECTIONAL BORE TIE-IN DETAIL

NOT TO SCALE

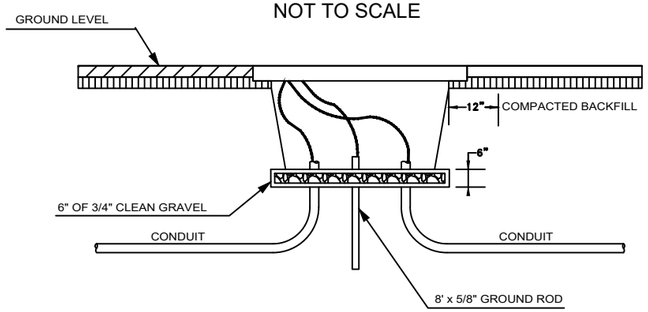


TIE-IN STATION

- BORE FROM EACH DIRECTION IS RUN AT DESIGN DEPTH TO 2 FEET PAST THE INTENDED TIE-IN. THEN TURNED UP TO DAYLIGHT.
- THE TIE-IN POINT IS EXCAVATED. THE CONDUITS CUT OFF WHERE THEY CROSS EACH OTHER AT DESIGN DEPTH, AND A COUPLER IS INSTALLED TO CONNECT THE TWO CONDUITS AT THE DESIGN DEPTH.
- ALL EXCAVATIONS OR TRENCHES 4 FEET OR GREATER IN DEPTH SHALL BE APPROPRIATELY BENCHED, SHORED, OR SLOPED IN OSHA'S EXCAVATION STANDARD, 29 CFR 1926.650, .651, AND .652

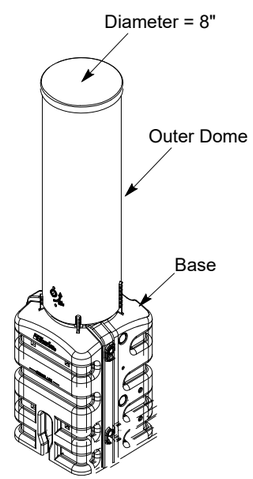
PULL BOX HANDHOLE

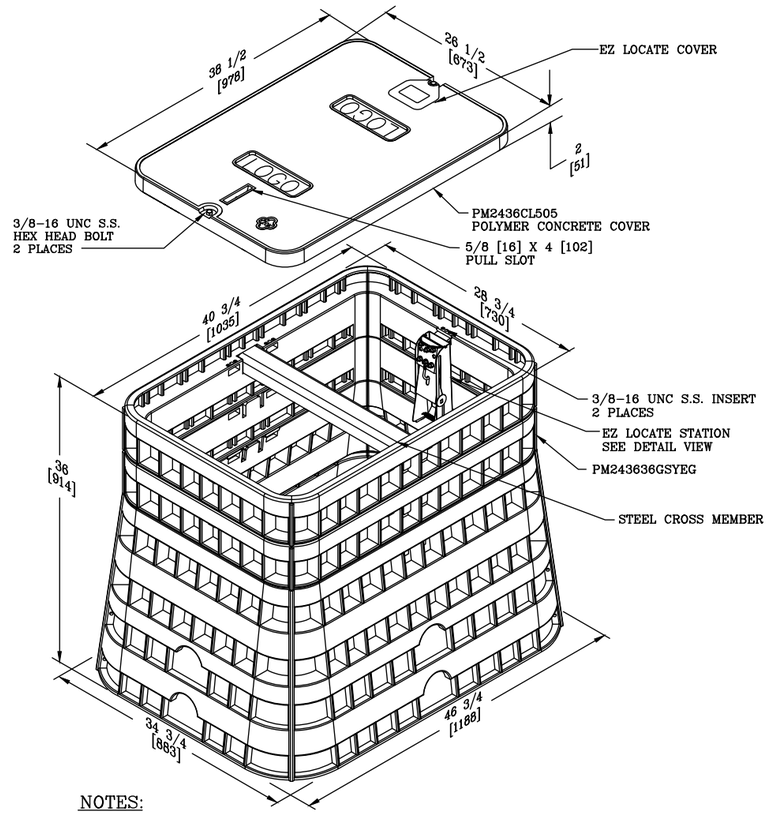
NOT TO SCALE



ALL EXCAVATIONS OR TRENCHES 4 FEET OR GREATER IN DEPTH SHALL BE APPROPRIATELY BENCHED, SHORED, OR SLOPED ACCORDING TO THE PROCEDURES AND REQUIREMENTS SET FORTH IN OSHA'S EXCAVATION STANDARD, 29 CFR 1926.650, .651, AND .652.

BDO204-EG

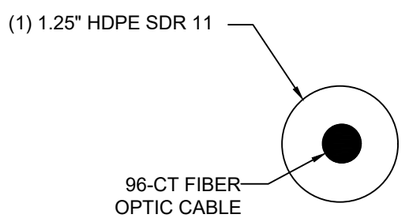




NOTES:

1. BOX MATERIAL TO BE HDPE PLASTIC, COVER MATERIAL TO BE POLYMER CONCRETE.
2. COLOR TO BE GREY.
3. THIS ASSEMBLY HAS A LOAD RATING OF 20,000 LBS. [88,960 N].

PIPE DETAIL



PERMITTING AGENCY

LA - MSID

lumos

BLAIR CONSULTING SERVICES, Inc.

1428 SUNBLUSH LN
LAS VEGAS, NV 89117

811 Know what's below. Call before you dig.

EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND BASED ON AVAILABLE RECORDS AND FIELD OBSERVATIONS. CONTRACTOR IS RESPONSIBLE FOR CALLING 811 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES AND ANY DAMAGE TO THE UTILITIES SHALL BE IMMEDIATELY REPAIRED AT THE CONTRACTOR'S EXPENSE.

REVISION DATA

NO.	DESCRIPTION	BY	DATE
----	----	----	----
----	----	----	----

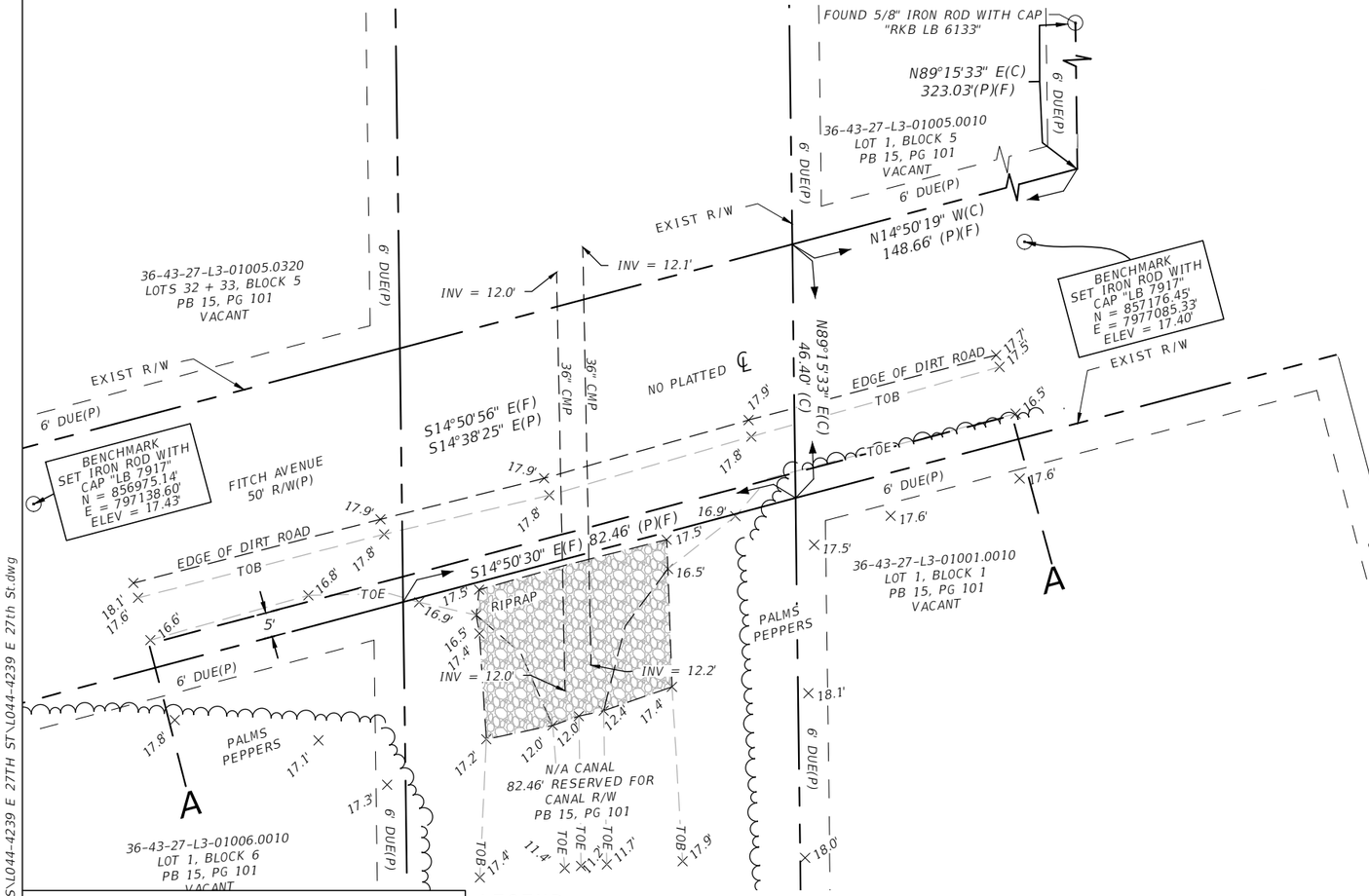
SHEET TITLE:	TYPICALS
PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_001_FDH_11
DESCRIPTION:	OBOE CANAL
DRAWING NAME:	LE1_001_FDH_11 - LEHIGH ACRES_LEE COUNTY_FLORIDA - OBOE CANAL
SHEET:	12 OF 12

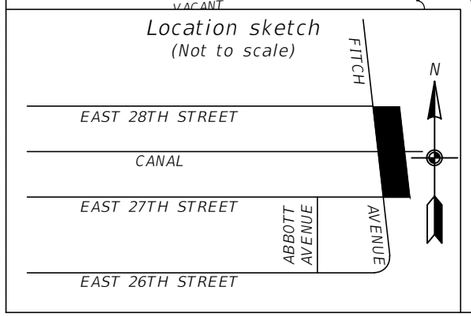
Topographic Survey of a Subject Project Site

lying within

Section 36, Township 43 South, Range 27 East

Lehigh Acres, Lee County, Florida





N

0 15' 30'

(1" = 30')

Graphic Scale

NOTES:

Survey based on the plat of Southeast 1/4 of Section 36 as recorded in Plat Book 15 Page 101, Public Records of Lee County, Florida and existing monumentation.

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Underground improvements, utilities and/or foundations were not located unless otherwise noted. Wetlands, if any, were not located.

Subject to easements, restrictions, reservations, and rights-of-way (recorded and unrecorded, written and unwritten).

Last day of field work: 04/06/2026

TAYLOR J. HENNINGE License Number 7279 STATE OF FLORIDA Professional Surveyor and Mapper

Taylor Henninge 2026.05.01 15:48:28-04'00'

TAYLOR J. HENNINGE
PROFESSIONAL SURVEYOR AND MAPPER
FLORIDA CERTIFICATE NO. LS# 7279

Not valid without the signature and the original seal of a Florida licensed surveyor and mapper.

This survey is only for the lands as described. It is not a certificate of title, zoning, easements or freedom of encumbrances.

This survey was prepared without benefit of an abstract of title and all matters of title should be referred to an attorney at law.

This survey has been electronically signed and sealed by Taylor J. Henninge using a digital signature and date. Print copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

East 27th Street, Lehigh Acres

LEGEND:

(C)	= CALCULATED	INV	= INVERT ELEVATION
(F)	= FIELD MEASURED	N&D	= NAIL AND DISK
(P)	= PER PLAT	NAVD 88	= NORTH AMERICAN VERTICAL DATUM 1988
CB	= CATCH BASIN	OR	= OFFICIAL RECORDS BOOK
Δ	= DELTA ANGLE	PB	= PLAT BOOK
℄	= CENTER LINE	PG	= PAGE
CONC	= CONCRETE	R/W	= RIGHT OF WAY
CMP	= CORRUGATED METAL PIPE	RCP	= REINFORCED CONCRETE PIPE
CPP	= CORRUGATED PLASTIC PIPE	RNG	= RANGE
DUE	= DRAINAGE AND UTILITY EASEMENT	S/W	= SIDEWALK
ELEV	= ELEVATION	SEC	= SECTION
EOP	= EDGE OF PAVEMENT	TOB	= TOP OF BANK
EXIST	= EXISTING	TOE	= TOE OF SLOPE
FIRC	= FOUND IRON ROD AND CAP	TWP	= TOWNSHIP
INST#	= INSTRUMENT NUMBER	(TYP)	= TYPICAL

⊙ = FOUND MONUMENT

---OE--- = OVERHEAD UTILITY LINE

+20.0' = SPOT ELEVATION

TOPOGRAPHIC SURVEY-PLAN VIEW

McKIM&CREED

5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875

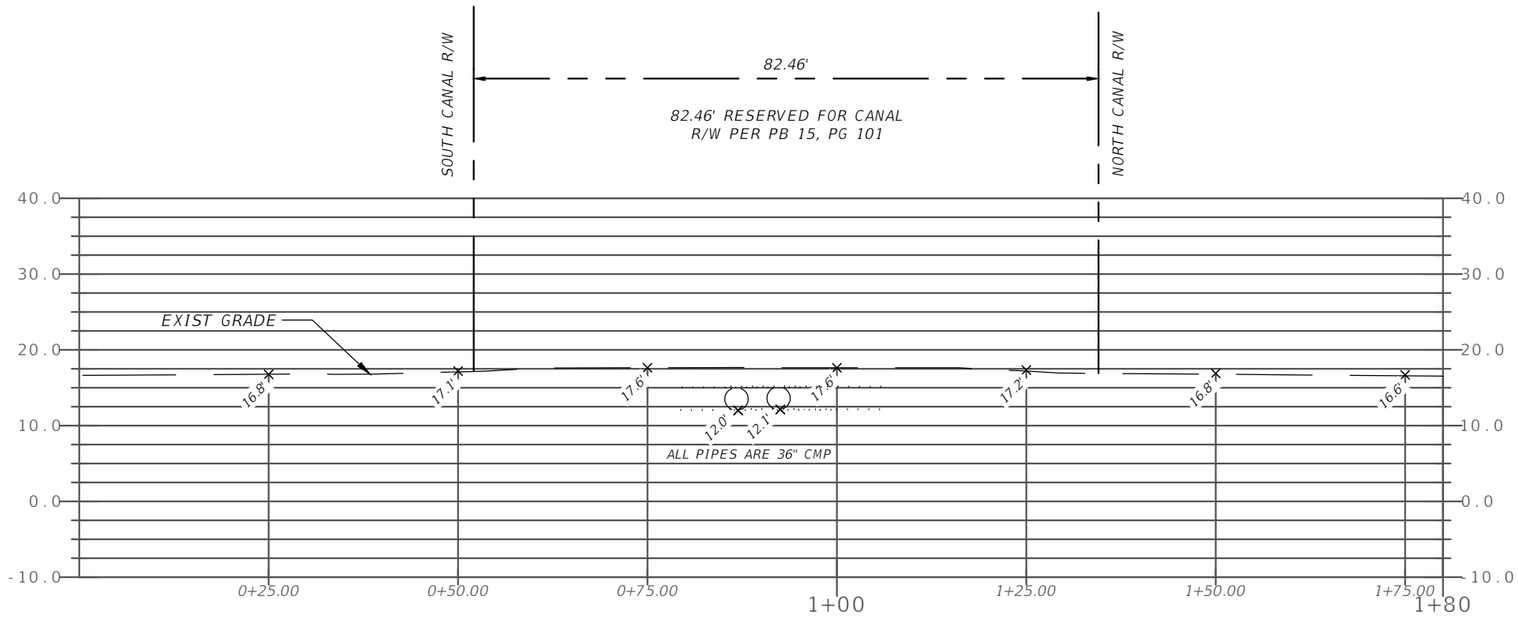
LB 7917
www.mckimcreed.com

File name:	Field book/page:	Project No.:
L044-4239 E 27th St.dwg	106981-1/45	106980001-L098

Survey date:	Drawn by:	Checked by:	Sheet No.:
04/06/2026	KB	TJH	01 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L044-4239 E 27TH ST\L044-4239 E 27th St.dwg

Topographic Survey of a
Subject Project Site
Section 36, Township 43 South, Range 27 East
Lehigh Acres, Lee County, Florida



A-A Profile View
1" = 20' HORIZONTAL
1" = 20' VERTICAL

SEE SHEET 01 FOR LEGEND

East 27th Street, Lehigh Acres

TOPOGRAPHIC SURVEY-PROFILE VIEW

McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name:	Field book/page:	Project No.:
L044-4239 E 27th St.dwg	106981-1/45	106980001-L098

Survey date:	Drawn by:	Checked by:	Sheet No.:
04/06/2026	KB	TJH	02 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L044-4239 E 27TH ST\L044-4239 E 27th St.dwg

NOTE:

1. This Index applies to Two-Lane, Two-Way and Multilane Roadways, including Medians of divided roadways, with work on the shoulder.

2. L = Taper Length
   X = Work Zone Sign Spacing
   B = Buffer Length
   See Index 102-600 for "L", "X", "B", and channelizing device spacing values.

3. Where work activities are between 2' and 15' from the edge of traveled way, the Engineer may omit signs and channelizing devices for work operations 60 minutes or less.

4. When four or more work vehicles enter the through traffic lanes in a one hour period (excluding establishing and terminating the work area), use a flagger or lane closure to accommodate work vehicle ingress and egress.

5. For work less than 2' from the traveled way and work zone speed is greater than 45 MPH, use a lane closure.

6. The "Speeding Fines Doubled When Workers Present" signs (M0T-13-06) and "End Road Work" Signs (G20-2) along with the associated work zone sign spacing distances may be omitted when the work operation is in place for 24 hours or less.

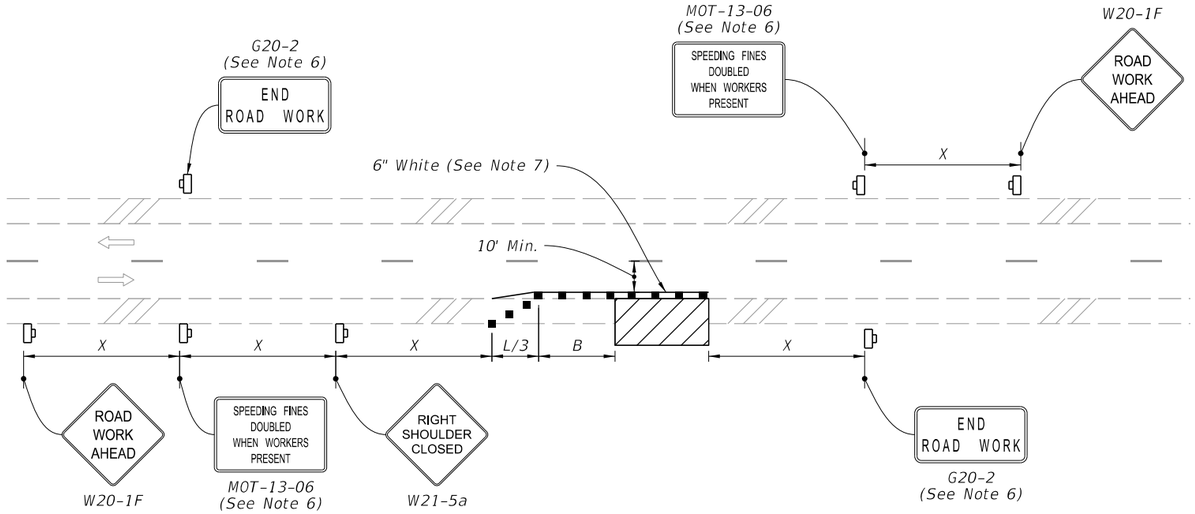
7. Temporary pavement markings may be omitted when the work operation is in place for 3 days or less.

8. Omit "Shoulder Closed" signs (W21-5a) along with associated work zone sign spacing distances for work on the median.

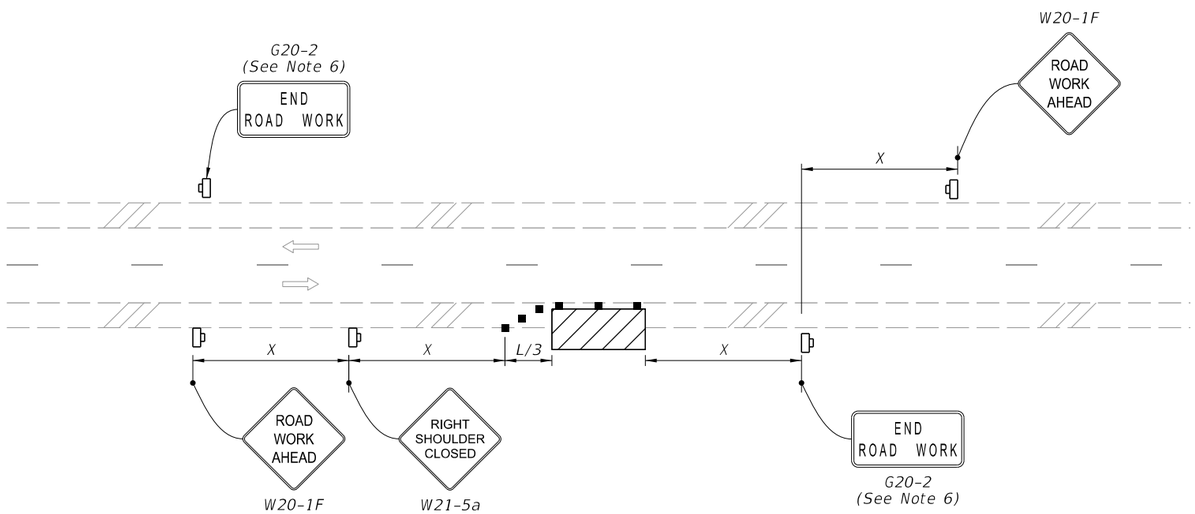
9. When there is no paved shoulder, the "Worker" sign (W21-1) may be used instead of the "Shoulder Closed" sign (W21-5a).

SYMBOLS:

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Lane Identification and Direction of Traffic



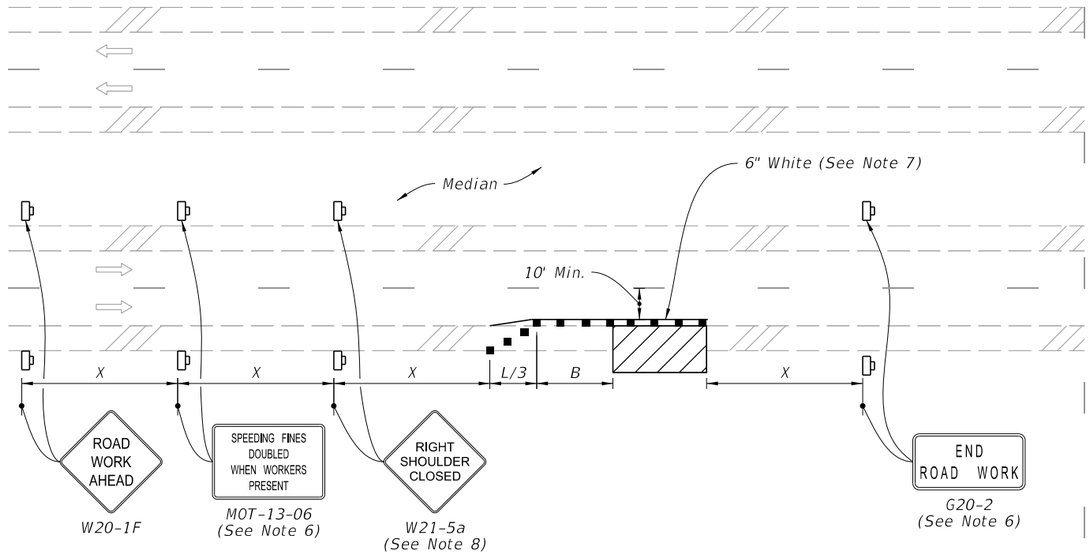
TWO-LANE ROADWAY
SHOULDER WORK LESS THAN 2' FROM THE TRAVELED WAY
WITH WORK ZONE SPEED OF 45 MPH OR LESS



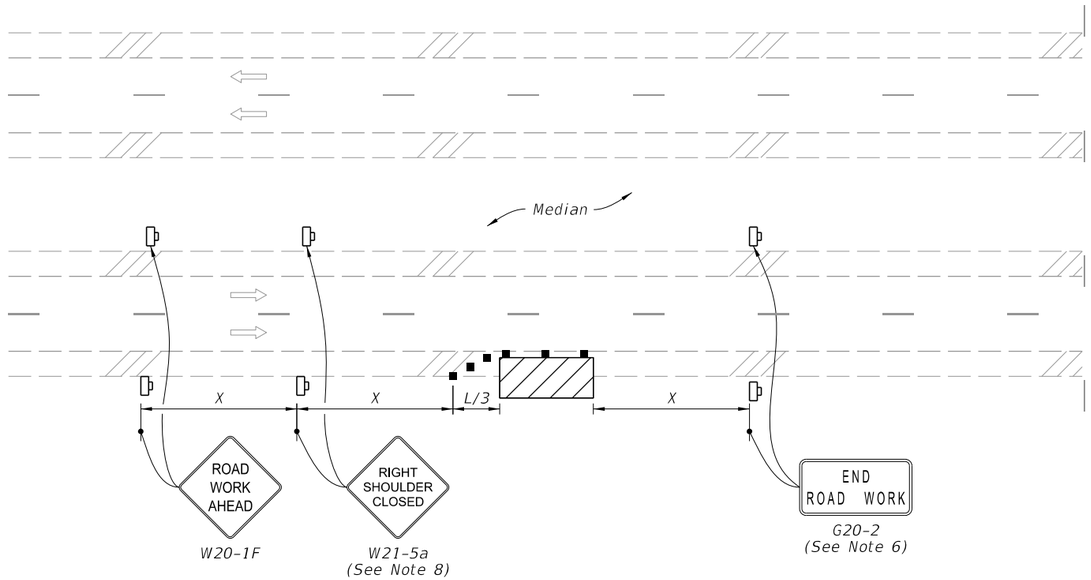
TWO-LANE ROADWAY
SHOULDER WORK BETWEEN 2' AND 15' FROM THE TRAVELED WAY

9/10/2024 10:45:37 AM

LAST REVISION	REVISION	DESCRIPTION:			INDEX	SHEET
11/01/21			FY 2025-26 STANDARD PLANS	TWO-LANE AND MULTILANE, WORK ON SHOULDER	102-602	1 of 2



MULTILANE ROADWAY
SHOULDER WORK LESS THAN 2' FROM THE TRAVELED WAY
WITH WORK ZONE SPEED OF 45 MPH OR LESS



SYMBOLS:

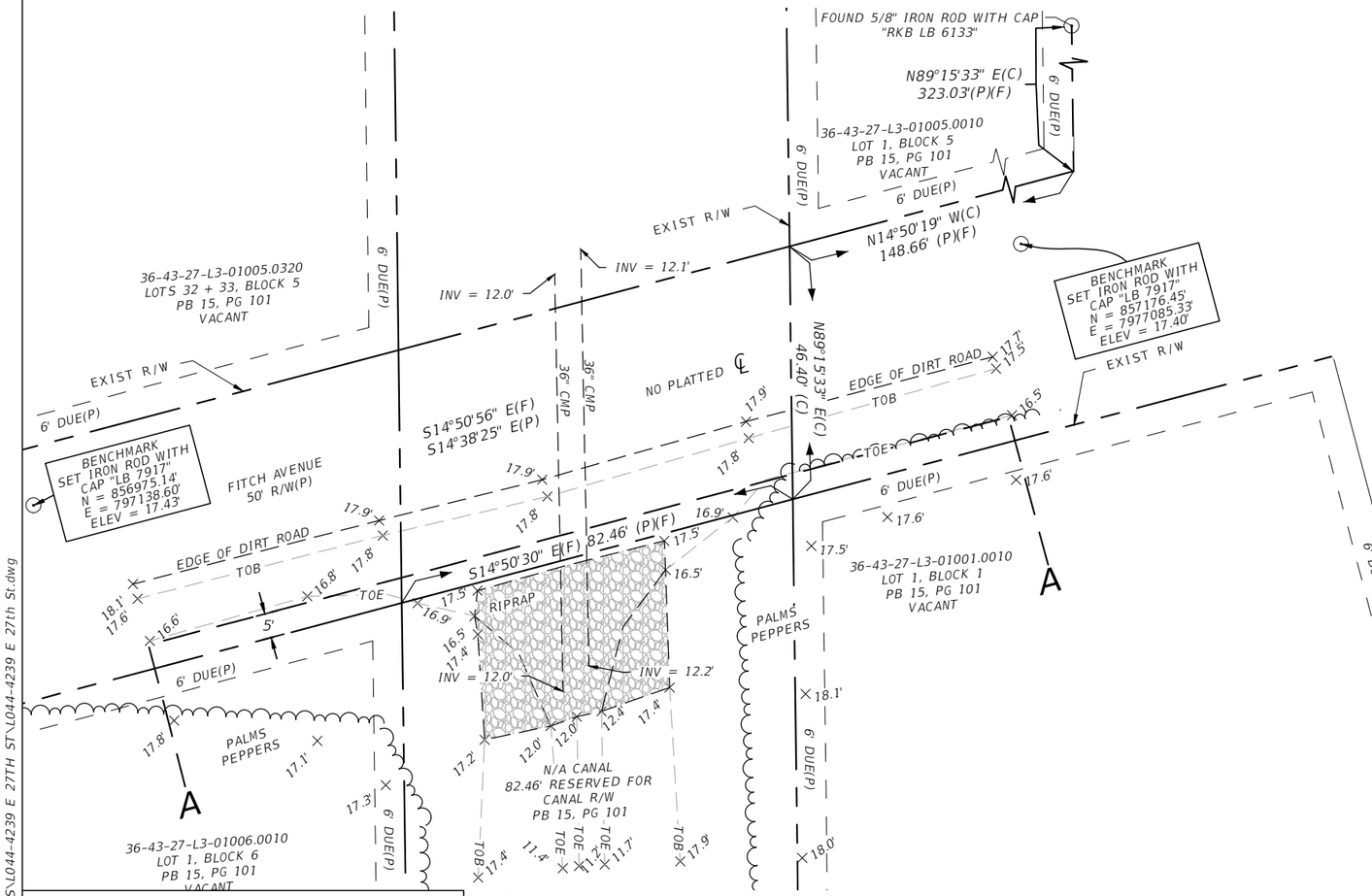
- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Lane Identification and Direction of Traffic

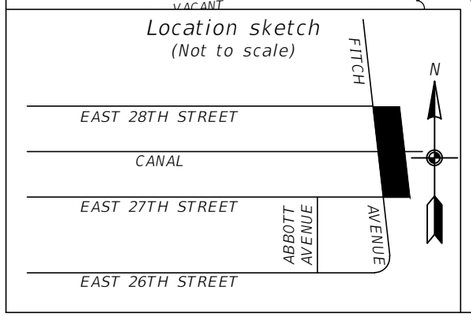
MULTILANE ROADWAY
SHOULDER WORK BETWEEN 2' AND 15' FROM THE TRAVELED WAY

9/10/2024 10:45:44 AM

LAST REVISION	REVISION	DESCRIPTION:				
11/01/20			FDOT FY 2025-26 STANDARD PLANS	TWO-LANE AND MULTILANE, WORK ON SHOULDER	INDEX 102-602	SHEET 2 of 2

SEE SHEET 02 FOR 1" = 20'
SECTION A-A PROFILE VIEW





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(F)	= FIELD MEASURED	N&D	= NAIL AND DISK	-OE-	= OVERHEAD UTILITY LINE
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FIRC	= FOUND IRON ROD AND CAP	TWP	= TOWNSHIP		
INST#	= INSTRUMENT NUMBER	(TYP)	= TYPICAL		

N

0 15' 30'
(1" = 30')
Graphic Scale

Topographic Survey of a Subject Project Site

lying within

Section 36, Township 43 South, Range 27 East
Lehigh Acres, Lee County, Florida

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Last day of field work: 04/06/2026

TAYLOR J. HENNINGE
License Number
7279
STATE OF FLORIDA
Professional Surveyor and Mapper

TAYLOR J. HENNINGE
PROFESSIONAL SURVEYOR AND MAPPER
FLORIDA CERTIFICATE NO. LS# 7279

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East 27th Street, Lehigh Acres

TOPOGRAPHIC SURVEY - PLAN VIEW

McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name:	Field book/page:	Project No.:
L044-4239 E 27th St.dwg	106981-1/45	106980001-L098

Survey date:	Drawn by:	Checked by:	Sheet No.:
04/06/2026	KB	TJH	01 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L044-4239 E 27TH ST\L044-4239 E 27th St.dwg

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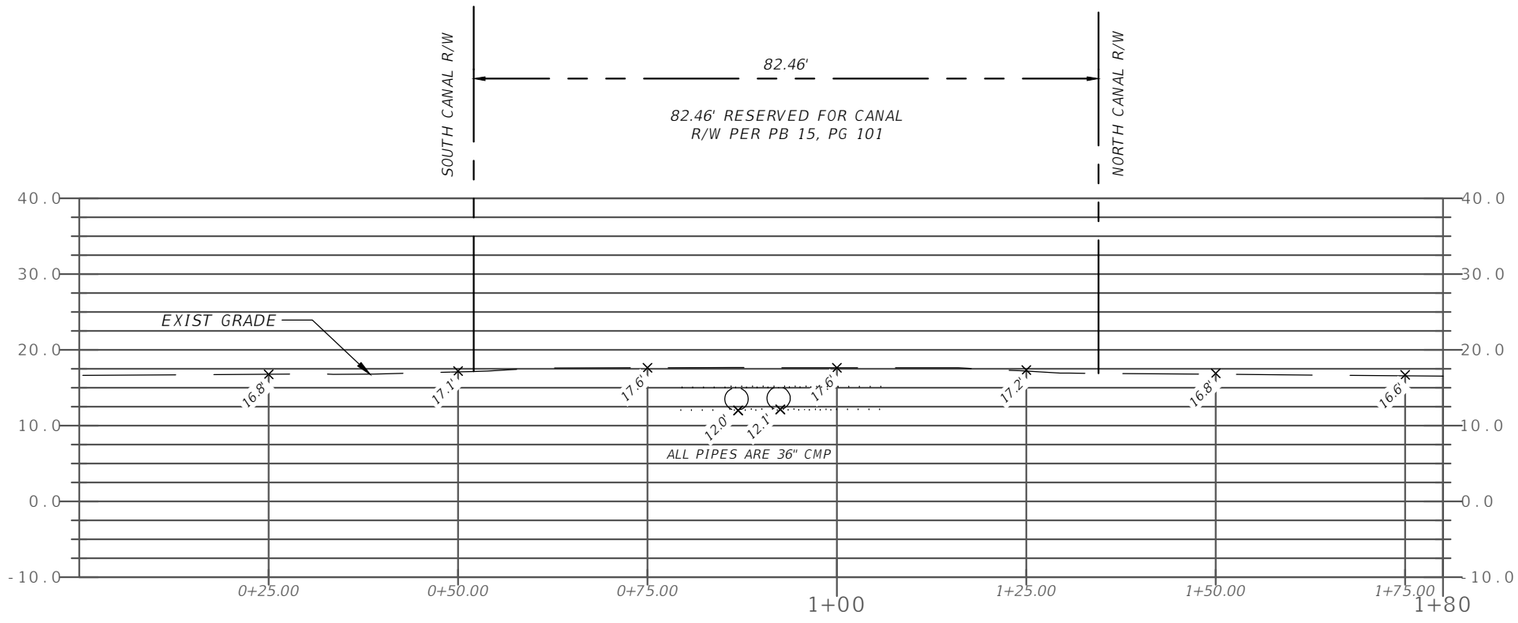
Subject Project Site
Section 36, Township 43 South, Range 27 East
Lehigh Acres, Lee County, Florida



A-A Profile View
1" = 20' HORIZONTAL
1" = 20' VERTICAL

SEE SHEET 01 FOR LEGEND

East 27th Street, Lehigh Acres

TOPOGRAPHIC SURVEY-PROFILE VIEW

McKIM&CREED
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04/06/2026	KB	TJH	02 OF 02

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PLAT OF SE 1/4 OF SECTION 36

PLAT BOOK 15, PAGE 101

TOWNSHIP 43 SOUTH, RANGE 27 EAST

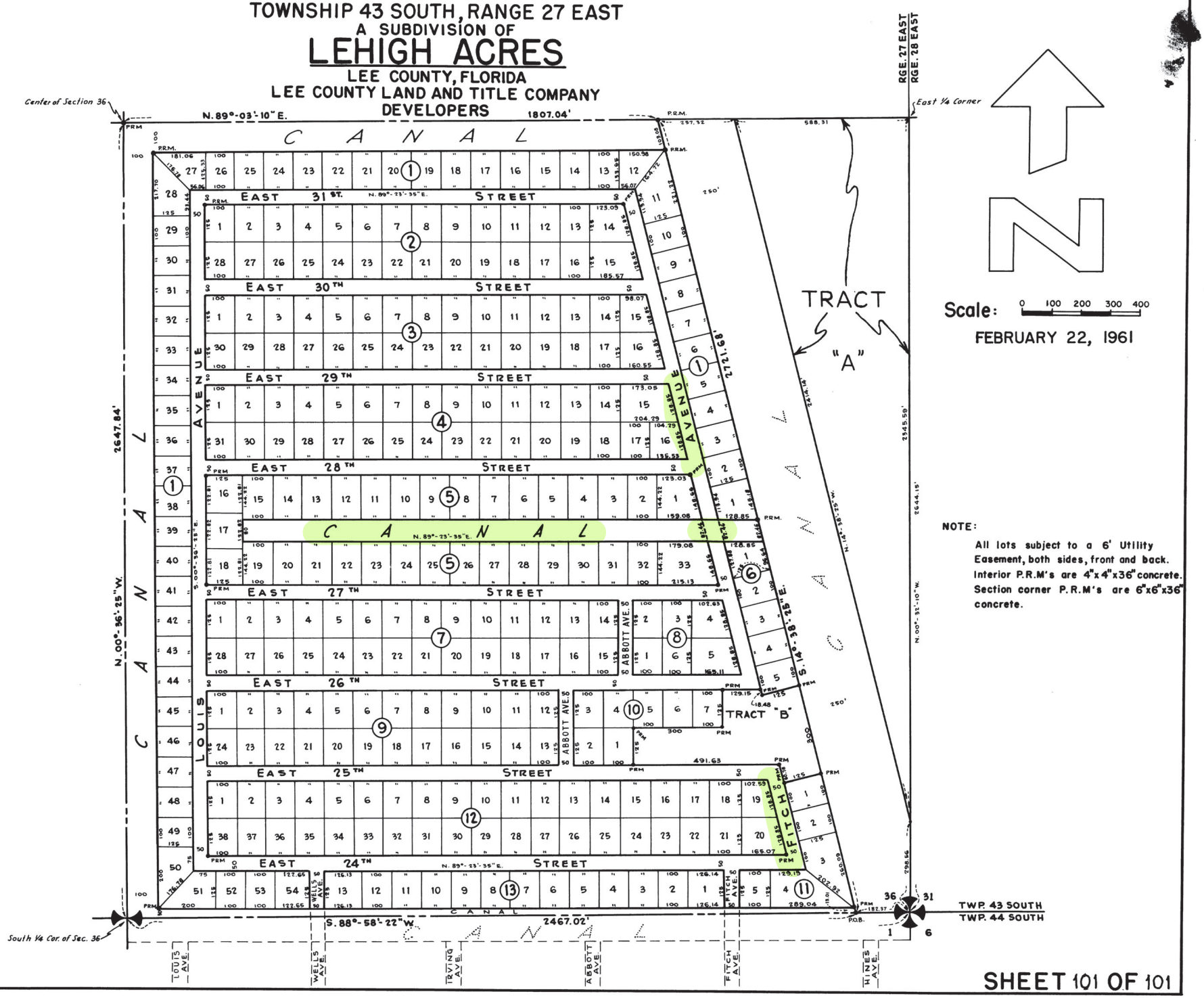
A SUBDIVISION OF

LEHIGH ACRES

LEE COUNTY, FLORIDA

LEE COUNTY LAND AND TITLE COMPANY

DEVELOPERS



Scale: 0 100 200 300 400

FEBRUARY 22, 1961

NOTE:

All lots subject to a 6' Utility Easement, both sides, front and back. Interior P.R.M's are 4"x4"x36" concrete. Section corner P.R.M's are 6"x6"x36" concrete.

SHEET 101 OF 101

PLAT OF

LEHIGH ACRES

LEE COUNTY, FLORIDA

LEE COUNTY LAND AND TITLE COMPANY

DEVELOPERS

ACKNOWLEDGEMENTS

KNOW ALL MEN BY THESE PRESENTS, THAT LEE COUNTY LAND AND TITLE COMPANY, A CORPORATION UNDER THE LAWS OF FLORIDA, BEING THE OWNER OF THE LAND DESCRIBED IN THE CAPTION HEREON HAS CAUSED THIS PLAT OF LEHIGH ACRES TO BE MADE AND DO HEREBY DEDICATE TO THE PERPETUAL USE OF THE PUBLIC STREETS, ROADS, DRIVES AND/OR LANES SHOWN HEREON AND ALL CANAL RIGHT OF WAYS SHALL BE DEDICATED TO THE EAST COUNTY WATER CONTROL DISTRICT.

IN WITNESS WHEREOF GERALD H. GOULD AND EDWARD SHAPIRO, RESPECTIVELY PRESIDENT AND SECRETARY OF LEE COUNTY LAND AND TITLE COMPANY, BY AND WITH AUTHORITY OF IT'S BOARD OF DIRECTORS HAVE EXECUTED THESE PRESENTS FOR AND ON BEHALF OF SAID CORPORATION AND CAUSED IT'S CORPORATE SEAL TO BE AFFIXED THIS 10th DAY OF April A.D. 1961

LEE COUNTY LAND AND TITLE CO.

BY Gerald H. Gould
President

ATTEST Edward Shapiro
Secretary

STATE OF FLORIDA
COUNTY OF LEE

I HEREBY CERTIFY THAT ON THIS DAY, BEFORE ME AN OFFICER DULY AUTHORIZED TO TAKE ACKNOWLEDGEMENTS, PERSONALLY APPEARED GERALD H. GOULD AND EDWARD SHAPIRO, RESPECTIVELY PRESIDENT AND SECRETARY OF LEE COUNTY LAND AND TITLE COMPANY, TO ME KNOWN TO BE THE PERSONS DESCRIBED IN AND WHO EXECUTED THE FOREGOING DEDICATION AS PRESIDENT AND SECRETARY RESPECTIVELY OF LEE COUNTY LAND AND TITLE COMPANY FOR THE PURPOSES THEREIN SET FORTH.

WITNESS MY HAND AND OFFICIAL SEAL AT FORT MYERS, SAID COUNTY AND STATE THIS 10th DAY OF April A.D 1961

Jean Welchler
NOTARY PUBLIC STATE OF FLORIDA AT LARGE
My Commission Expires July 19, 1964

APPROVALS

THIS PLAT APPROVED THIS 12 DAY OF April A.D. 1961 IN OPEN MEETING OF THE BOARD OF COUNTY COMMISSIONERS OF LEE COUNTY, FLORIDA.

APPROVED Gloria S. Hunter
Chairman

D. L. Farahee
Clerk

County Attorney

Stacy Bruce
County Road Superintendent

260798

I HEREBY CERTIFY THAT THIS PLAT OF LEHIGH ACRES, HAS BEEN EXAMINED BY ME AND FROM MY EXAMINATION I FIND THAT SAID PLAT COMPLIES IN FORM WITH THE REQUIREMENTS OF SURVEY LAWS OF FLORIDA.

I FURTHER CERTIFY THAT SAID PLAT WAS FILED FOR RECORD AT FORT MYERS THIS 13 DAY OF April A.D. 1961, AND DULY RECORDED IN PLAT BOOK 15 ON PAGES 1-101 OF PUBLIC RECORDS OF LEE COUNTY, FLORIDA.

D. L. Farahee
Clerk Of The Circuit Court In And For Lee County

SURVEYORS CERTIFICATE

I THE UNDERSIGNED CERTIFY THAT THE PLAT AS SHOWN IS A CORRECT REPRESENTATION OF THE LANDS PLATTED.

R. V. Jamme

PLAT OF

LEHIGH ACRES

LEE COUNTY, FLORIDA

LEE COUNTY LAND AND TITLE COMPANY

DEVELOPERS

DESCRIPTION

TOWNSHIP 43 SOUTH, RANGE 27 EAST

The Southeast 1/4 of Section 36

TOWNSHIP 44 SOUTH, RANGE 27 EAST

The South 1/2 and the North 1/2 of the North 1/2 of Section 1; the East 1/2 and the East 1/2 of the Northwest 1/4 and the Southwest 1/4 of the Northwest 1/4 of Section 2; the South 1/2 of Section 7, 8 and 9; all of Sections 11 through 21 inclusively and all of Sections 23 through 28 inclusively; all of Section 29 except that part lying South of the South Right of Way of Able Canal; all of Sections 35 and 36 inclusively; all of Section 32 except the following: Units 1, 2 and 3 of Section 32 as recorded on pages 124, 125 and 126 of Plat Book 9. Units 4, 5, 7, 10, 11 and 18 of Section 32 as recorded on Pages 50 through 55 inclusively of Plat Book 12. Unit 20 of Section 32 as recorded on Pages 86 through 89 inclusively of Plat Book 10. Part of Unit 3 as recorded on Page 23 of Plat Book 12. Addition to Unit 20 as recorded on Pages 36 and 37 of Plat Book 13 all of the Public Records of Lee County, and all of section 33 except the following: Units 4 and 10 of Section 33 as recorded on Page 52 of Plat Book 12. Unit 5 of Section 33 as recorded on Page 29 of Plat Book 12. Bear Lake Subdivision as recorded on Pages 38 and 39 of Plat Book 13. Replat of Lots 1 through 6, Block 4e, Section 33, Township 44 South, Range 27 East as recorded on Page 84 of Plat Book 12 all of the Public Records of Lee County and that part of Section 34 described as Follows; Beginning at the Northwest Corner of Section 34, Township 44 South, Range 27 East go North 89°-12'-26" East, 1919.76 feet; thence South 00° 06'-48" East, 1468.91 feet; thence South 89°-12'-26" West, 1919.76 feet; thence North 00°-06'-48" West, 1468.91 feet to the Point of beginning; and that part of section 34, Twp. 44 S., Rge 27 E., described as follows: commencing at the Southwest corner of Section 34; thence North 00°-06'-48" West along the West line of said Section 1403.40 feet to the Northerly right of way line of Joel Boulevard; thence North 88°-58'-52" East along said Northerly right of way 15.80 feet to the P.C. of a curve; thence Northeasterly on a tangential curve to the left, with a radius of 676.18 feet, a distance of 400.21 feet, to the P.T. of said curve, thence North 55°-05'-58" East, continuing along said Northerly right of way of Joel Boulevard, 1012.50 feet to the Southwesterly right of way of David Avenue, said point also being the actual point of beginning of the tract of land to be described; thence North 34°-54'-02" West along said southwesterly right of way line 1610 feet; thence North 55°-05'-58" East, a distance of 200 feet; thence South 34°-54'-02" East, a distance of 90 feet; thence North 55°-05'-58" East, a distance of 175 feet; thence North 87° 55'-40" East, a distance of 184.45 feet; thence South 34°-54'-02" East, a distance of 185 feet; thence South 55°-05'-58" West, a distance of 280 feet; thence South 34°-54'-02" East, a distance of 375 feet; thence South 55°-05'-58" West, a distance of 200 feet; thence South 34°-54'-02" East, a distance of 860 feet; thence South 55°-05'-58" West, a distance of 50 feet, to the actual Point of Beginning; and all of Section 22 lying West of the West right of way line of Gerald Avenue as shown on the Plat of a Subdivision of Part of Lehigh Acres recorded on Pages 50 through 55 inclusively of Plat Book 12 of the Public Records of Lee County, Florida.

TOWNSHIP 44 SOUTH, RANGE 26 EAST

All of Sections 1, 2, 11, 12, 13, 23, 24, 26, 27, 32, 33, 34, 35, and 36; and the South 1/2 of Sections 29 and 30; and the South 100 feet of the North 1/2 of Section 30; and the East 1/2 of Section 14; the South 1/2, and that part of the North 1/2 of Section 28, lying East of Buckingham Road; all of Block E, Lot 1, Block 38 of Buckingham Park, south section as recorded in Plat Book 9, Page 99 of the Public Records of Lee County, Florida, and all that part of Section 22 lying South and West of the southerly right of way of Homestead Road, except Lots 1 through 7 inclusively, Block 37 of Buckingham Park south section as recorded in Plat Book 9, Page 99 of the Public Records of Lee County, Florida; and that part of Section 31, lying North of the Northerly right of way of State Road 82; and all of Section 25 except Units 3 and 6 and Units 11 and 12 as recorded in Plat Book 13, Pages 21, 22 and 23 of the Public Records of Lee County, Florida.

TOWNSHIP 45 SOUTH, RANGE 26 EAST

All of Sections 1, 2, 3 and 12, all of that part of sections 4, 5, 6, 9, 10, 11, 13 and 14 lying North of the Northerly right of way of State Road 82.

PART IV #26-99

Recommended Action

Engineering Review:

By: _____6/17/2026 **Approved _X_ Denied __**

District Field Review:

By: _____ **Approved ___ Denied ___**

District Manager: _____ **Date**: _____

Comments:

The referenced permit application submitted by Lumos Fiber of Florida, LLC for a subaqueous crossing Oboe Canal (37-36-3) at 4239 E 27th St., in Lehigh Acres, has been reviewed and is recommended for approval with the following stipulations:

1. On sheet 7 of the plans, please remove or modify dimensions of 15.6', as well as make the bore elevations (1.5') more noticeable to avoid construction site mistakes.

2. On sheet 7 of the site plans, minimum 10' offset from canal bottom, Disturbed R/W sodding requirements, and 48" minimum bore offsets from pavement notes are missing, please revise.

3. On sheet 11 of the plans, the culvert crossing detail specifies 24" minimum offset from culvert, if the detail is depicting a canal crossing, the offset should be 120" or 10'. If not, please include a note to clarify that the details do not apply to LA-MSID canal crossing.

4. Permanent above-ground cable markers must be placed at the canal right-of-way (R/W) line on each side of the crossing.

5. Any disturbed canal R/W must be restored with sod and maintained until fully established. Seeding will not be permitted.

6. Within 30 days of completing the improvements, provide LA-MSID with a copy of the survey record drawings indicating the location and elevation of utilities within the canal R/W.

7. The permittee will be responsible for any necessary repairs, alterations, or relocation of the utility if required for future maintenance or repairs of the canal.

8. Lee County DOT must review and approve any utility work proposed within the County Road R/W.

LEHIGH ACRES - MUNICIPAL SERVICES IMPROVEMENT DISTRICT PERMIT

THIS PERMIT is granted this 20th day of July, 2026, by Lehigh Acres Municipal Services Improvement District (hereinafter referred to as "DISTRICT"), 601 East County Lane, Lehigh Acres, Florida 33936, to Lumos Fiber of Florida, LLC, 4100 Mendenhall Oaks Parkway, Suite 300, High Point, NC 27265, hereinafter referred to as the "Permittee") as a non-exclusive permit for a directional bore under Sulphur Canal (47-6-5), along the west side of Redmont Ave., between Loleta Ct. & Myers Ct., in Lehigh Acres, FL.

W I T N E S S E T H:

1. In the event the DISTRICT is not the fee title owner of the real property (the "Property") to which this Permit is applicable, the Permittee agrees, prior to commencement, to obtain all necessary consents from the fee title owners of the Property.

2. This Permit does not constitute a waiver of the necessity by the Permittee to obtain such other necessary and appropriate permits required by other governmental bodies or agencies; therefore the Permittee, prior to commencement, is required to obtain any and all other applicable federal, state, and local permits required in connection with Permittee's use of the Property and agrees that at all times it will comply with the requirements of all federal, state and local laws, ordinances, rules and regulations applicable or pertaining to the use of the Property by the Permittee.

3. Permittee understands and agrees that the use of the Property pursuant to this Permit is subordinate to the rights and interests of the DISTRICT and to the extent applicable that of the fee title owner of the Property. Further, Permittee does hereby stipulate that the Permittee is not relying upon any representations whatsoever by the DISTRICT regarding the DISTRICT'S right, title, interest, or ownership as to the Property for which this Permit is applicable.

4. The Permittee, by accepting this permit, specifically agrees to allow authorized District Personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:
    a. Having access to and copying any records that must be kept under the conditions of the permit:
    b. Reviewing the facility, equipment, practices, or operations regulated or required under this permit; and
    c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or District rules.

5. The DISTRICT specifically reserves the right to maintain its facilities located over, under or upon the Property; to make improvements; add additional facilities; maintain, construct or alter its roads; maintain any facilities, devices, or improvements on the Property which aid in or are necessary to the DISTRICT'S operation; and the right to enter upon the Property at all times for such purposes. Permittee understands that in the exercise of such rights and interest, the DISTRICT may require Permittee, at no cost to DISTRICT, to relocate, alter, or remove the Permittee's facilities and equipment or other improvements made by Permittee pursuant to this Permit which interfere with or prevent the DISTRICT, in the DISTRICT'S opinion, from properly and faithfully constructing, improving and maintaining its facilities. If the Permittee should fail to relocate, alter, or remove the Permittee's facilities, equipment or other improvements made by the Permittee pursuant to this Permit within a reasonable time period following receipt of notice from the DISTRICT requesting same, then in that event the DISTRICT shall have the right to enter upon the lands and make such relocation, alterations or removal of the Permittee's facilities, equipment/or other improvements at no cost to DISTRICT.

6. Permittee agrees that it will not use the Property in any manner which interferes with the DISTRICT'S

use of the Property or causes a hazardous condition to exist.

7. The DISTRICT assumes no responsibility for the ownership, operation and/or maintenance of the Permittee's facilities as permitted herein.

8. The Permittee agrees to backfill any excavation it makes within the Property and to repair or replace (i) any below-grade authorized facilities and features located therein, including but not limited to: water, sewer, stormwater or irrigation facilities, structures or appurtenances and (ii) as to at or above-grade facilities and features, this requirement shall only be applicable to grasses and sod, sidewalks, and roadway improvements (the term roadway improvements shall include but not be limited to curbing, roadway base, sub grade and asphaltic or concrete surfaces) which are removed or damaged as a direct result of said excavation. Such repair or replacement shall substantially restore these features to their condition as it existed immediately prior to the event precipitating the excavation.

9. All below-grade Permittee installations, including water and sewer lines, whether sub aqueous or not, together with appurtenant facilities, shall be located underground and have a minimum ground cover of thirty inches (30") below original design profile grade, including District waterways and roadways.

10. All Permittee activity related to sub aqueous utility, water and/or sewer lines, including appurtenant facilities, shall be conducted in such fashion that the primary functional purpose of the canal or lake body facility, specifically flood control, within which the activity is taking place is not adversely affected. More specifically, sub aqueous construction shall conform to the criteria given in the Lehigh Acres Municipal Services Improvement District (Lehigh Acres – MSID) Administrative Policy and Procedures.

11. Permittee shall, at no expense to DISTRICT and within a reasonable time following notice, adjust the positions and elevations of its facilities as may be required in connection with future improvements to, or construction of, works of the DISTRICT.

12. Permittee does hereby indemnify and hold harmless the DISTRICT, its Board of Commissioners, officers, personnel, and it's Engineers against any claims, losses, damages (including consequential), expenses, or legal fees that might arise out or result from the implementation of the proposed project by the Permittee or that may be caused by a failure of DISTRICT facilities or property.

13. The Permittee shall be obligated at the time of submission of its Permit application, to provide a detail of any other existing improvements located over, under, upon or through the Property and the Permittee's accompanying plans and specifications shall clearly indicate how the Permittee will comply with required clearances between the requested permitted activity and existing improvements located over, under and upon the Property, including compliance with other permitted users duly adopted and published standards.

14. Permittee shall reimburse the DISTRICT for its legal, engineering and other expenses incurred as a result of the implementation of the proposed project.

15. If Permittee should violate any of the terms or conditions of the Permit and shall not correct or remedy same within ten (10) days of receiving written notice of said violation from the DISTRICT, then in that event, the DISTRICT may, at its option, revoke, cancel and terminate this Permit.

16. This Permit may not be assigned by the Permittee without the prior written approval of the DISTRICT.

17. Unless otherwise adjusted, modified or terminated as set forth hereinabove, including the Conditions attached hereto, this Permit shall continue in full force and effect so long as Permittee complies with the

terms of this Permit.

18. In any litigation, including breach, enforcement or interpretation arising out of this Permit, the prevailing party to this Permit shall be entitled to recover reasonable attorney's fees, costs and expenses related to said action from the non-prevailing party.

19. That attached hereto are Supplemental Conditions to this Permit which are incorporated herein and made a part hereof.

LEHIGH ACRES – MUNICIPAL SERVICES IMPROVEMENT DISTRICT

BY: _____

NAME TYPED: David E. Lindsay

TITLE: District Manager

SUPPLEMENTAL CONDITIONS TO PERMIT NO. 26-100

A. GENERAL CONDITIONS

1. Notification shall be given by the Permittee to the District Engineer, AIM Engineering, at 239-332-4569 forty-eight (48) hours prior to commencement of the permitted activity. The District Engineer shall establish points of construction, if applicable, which will require inspection by the District Engineer prior to construction of the permitted activity. When the Permittee considers the permitted activity complete, the Permittee shall notify the District Engineer and schedule an on-site final inspection which shall be held in the presence of a representative of the Permittee and the District Engineer.

2. The permitted activity shall be implemented, constructed and/or installed in full accordance with the approved plans and specifications within six (6) full calendar years from the date of permit approval. Deviations from the approved plans or specifications shall be coordinated with and approved by the District Engineer prior to implementation of any such deviation.

3. When working in a District road right-of-way, not more than one-half (½) of the road or street shall be closed and traffic shall be controlled so as to provide for the safety and minimum hindrance to the public. All traffic control operations shall conform to the most current issue of the Florida Department of Transportation publication "Manual on Traffic Controls and safe Practices for Street and Highway Construction, Maintenance and Utility Operations."

4. The District Engineer shall be the final authority as to the quality and quantity of the material and works required to satisfy the terms and conditions of this Permit as they relate to District improvements and facilities.

5. Upon completion of the permitted activity and after its final review and acceptance by the District Engineer THE PERMITTEE SHALL DELIVER TO THE DISTRICT OFFICE ONE COMPLETE SET OF THE FINAL "RECORD DRAWINGS." FAILURE TO PROVIDE THE FINAL RECORD DRAWINGS MAY RESULT IN THE REVOCATION, CANCELLATION AND TERMINATION OF THIS PERMIT.

6. The above Conditions shall be continuing obligations of the Permittee and shall be complied with in the event of any subsequent maintenance, repair, replacement or modification of the permitted improvement.

Stipulations:

1). Permit #26-100 is approved according to the plans submitted May 28th, 2026.

2). The proposed directional bore must maintain a minimum clearance of 10 feet below the bottom elevation of the canal for the entire 100' within the canal right of way.

3). Permanent utility markers, (at least 4' high) with the utility companies contact information clearly labeled on it, must be installed at each canal right of way line over top the proposed line.

4). All guy wires, poles, pull boxes, etc. must be located outside of the canal right of way and not interfere with the District's canal maintenance activities.

5). All canal R/W that is disturbed must be restored with sod and maintained until well established (no seeding will be allowed).

6). Boring contractor is not allowed to pump water out of the LAMSID canals for their boring operations unless they apply for and receive a water use permit from LAMSID.

7). The Permittee will be responsible for any repairs, alterations, or relocation of the utility if required for repairs or maintenance of the canal in the future.

8). Provide LAMSID with a copy of your record drawings and a copy of your bore depth logs showing where your utilities are located within the canal R/W and at what elevation they are located, within 30 days following completion of the improvements.

9). Lee County DOT must review and approve the utility work that is outside of the canal right of way along Redmont Ave.

PART I

DATE SUBMITTED: 05 - 28 - 26

PERMIT #: 26 - 100

APPLICATION FOR A PERMIT

***Note**: The review of permit applications will be conducted per the Lehigh Acres Municipal Services Improvement District's Administrative Policy and Procedures

AGENT NAME: TEP-OPCO, LLC **PHONE #:** (502)552-2733

PROJECT NAME: U38574 - SULPHER CANAL - 1942 RICHLAND AVE-LA-MSID-1

TOTAL ACREAGE: N/A

Property Address (STRAP associated with this address will be used as the primary STRAP for this project): 1942 RICHLAND AVE					
Mailing Address:					
City:	LEHIGH ACRES	**State:**	FL	**Zip:**	33972

STRAP NUMBERS (*attach additional sheet if necessary):*

0	5	-	4	4	-	2	7	-	L	4	-	3	0	2	0	2	-	0	1	4	0
		-			-			-			-						-				
		-			-			-			-						-				
		-			-			-			-						-				
		-			-			-			-						-				

Brief description of proposed project:

Application for:

Directional bore placing 100' of (2) 1.25" HDPE SDR 11 Conduit Equipped with (1) 288-CT Microfiber Optic cable under Sulpher Canal along the West side of Redmont Ave between Loleta Ct and Myers Ct. (47-6-5)

Is the project proposed to be developed in phases? ☐ Yes ☑ No

Estimated # of Phases:	1
***Permit Fee:**	$ 2,250.00 **(to be verified by staff)**

* See Administrative Policy and Procedures Sections 4.15 – 4.17 for current Permit Fee Amount.

RECEIVED
MAY 28 2026
LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

PART II

OWNER/APPLICANT/ DEVELOPER INFORMATION

A.

Name of Applicant	Lumos Fiber of Florida, LLC						
Mailing Address:	**Street:**	4100 Mendenhall Oaks Parkway, Suite 300					
City:	High Point	**State:**	NC		**Zip:**	27265	
Phone No.	**Area Code:**	515	**Number:**	306 - 3403	**Ext.**		
Fax No.	**Area Code:**		**Number:**	-			
E-mail Address:	william.kiefer@lumosfiber.com						

B. Relationship of applicant to property*:

☐ **Owner*** ☐ **Trustee*** ☐ **Option holder*** ☐ **Lessee***

☐ **Contract Purchaser*** ☑ **Other (indicate)*** Utility

C.

Name of Developer:						
Mailing Address:	**Street:**					
City:		**State:**			**Zip:**	
Phone No.	**Area Code:**	( )	**Number:**	-	**Ext.**	
Fax No.	**Area Code:**	( )	**Number:**	-		
E-mail Address:						

D.

Name of Authorized Agent(s):	TEP OPCO, LLC.					
Mailing Address:	**Street:**	5906-A Breckenridge Pkwy				
City:	Tampa	**State:**	FL		**Zip:**	33610
Phone No.	**Area Code:**	(502)	**Number:**	552 - 2733	**Ext.**	
Fax No.	**Area Code:**	( )	**Number:**	-		
E-mail Address:	FL-permitting@tepgroup.net					

E.

Name of Property Owner:						
Mailing Address:	**Street:**					
City:		**State:**			**Zip:**	
Phone No.	**Area Code:**	( )	**Number:**	-	**Ext.**	
Fax No.	**Area Code:**	( )	**Number:**	-		
E-mail Address:						

*A disclosure of the name of all persons or entities having an ownership interest in the property is required (attached).

PART III

DISCLOSURE OF OWNERSHIP INTEREST FORM FORM:

PRIMARY STRAP NUMBER: | | - | | | - | | | - | | | - | | | | | - | | | |

1. If the property is owned in the fee simple by an **INDIVIDUAL**, tenancy by the entirety, tenancy in common, or joint tenancy, list all parties with an ownership interest as well as the percentage of such interest.

Name and Address	Percentage of Ownership
N/A	

2. If the property is owned by a **CORPORATION**, list the officers and stockholders and the percentage of stock owned by each.

Name, Address, Office	Percentage of Stock
N/A	

3. If the property is in the name of a **TRUSTEE**, list the beneficiaries of the trust with percentages of interest.

Name and Address	Percentage of Interest
N/A	

4. If the property is in the name of a **GENERAL PARTNERSHIP OR LIMITED PARTNERSHIP**, list the names of general and limited partners.

Name and Address	Percentage of Interest
N/A	

5. If there is a **CONTACT FOR PURCHASE**, whether contingent on this application Or not, and whether a Corporation, Trustee, or Partnership, list the names of the contract purchasers below, including the officers, stockholders, beneficiaries, or partners.

Name and Address	Percentage of Interest
N/A	

Date of Contract (mm/dd/yy): / /

6. If any contingency clause or contract terms involve additional parties, list all individuals or officers, if a corporation, partnership, or trust.

Name and Address	Percentage of Interest
N/A	

For any changes of ownership of changes in contracts for purchase subsequent to the date of the application, but prior to the date of final certificate for compliance, a supplemental disclosure of interest must be filed.

The above is a full disclosure of all parties of interest in this application, to the best of my knowledge and belief.

William Kiefer
SIGNATURE OF APPLICANT

William Kiefer
PRINTED OR TYPED NAME OF APPLICANT

STATE OF FLORIDA
COUNTY OF LEE

The foregoing instrument was acknowledged before me this 20 day of MAY (m), 2026 (y), by William Kiefer who is personally know to me or has produced _____ as identification.

MCKAYLA MARIE MCFADDEN
MY COMMISSION # HH 624042
EXPIRES: December 26, 2028

SIGNATURE OF NOTARY PUBLIC

MCKAYLA MCFADDEN
PRINTED NAME OF NOTARY PUBLIC

PART IV

EXPLANATION

All Permit Application sections must be completed and submitted.

Permit Application fees and submittal items (see Part VI) must be submitted with the application.

Any and all work involving the lands and/or facilities of the District shall not commence without a Board approved permit.

All set policies, procedures, technical requirements, and fee schedules can be found and reviewed in the 'Administrative Policy and Procedures Guide'. The Guide is available at the District Office located at 601 East County Lane, Lehigh Acres, FL or online at la-msid.com/.

PART V

PROFESSIONAL CONSULTANT FORM

ATTORNEY

Name:							
Mailing Address:							
City:		**State:**				**Zip:**	
Business No.	**Area Code:**	( )	**Number:**	-		**Ext.**	
Other Contact:							

ENGINEER

Name:	TEP-OPCO, LLC JOSH CARDEN						
Mailing Address:	326 Tyron Road						
City:	Raleigh	**State:** NC				**Zip:**	27603
Business No.	**Area Code:**	(336)	**Number:**	214 -2099		**Ext.**	
Other Contact:							

OTHER REPRESENTATIVE/PROFESSIONAL

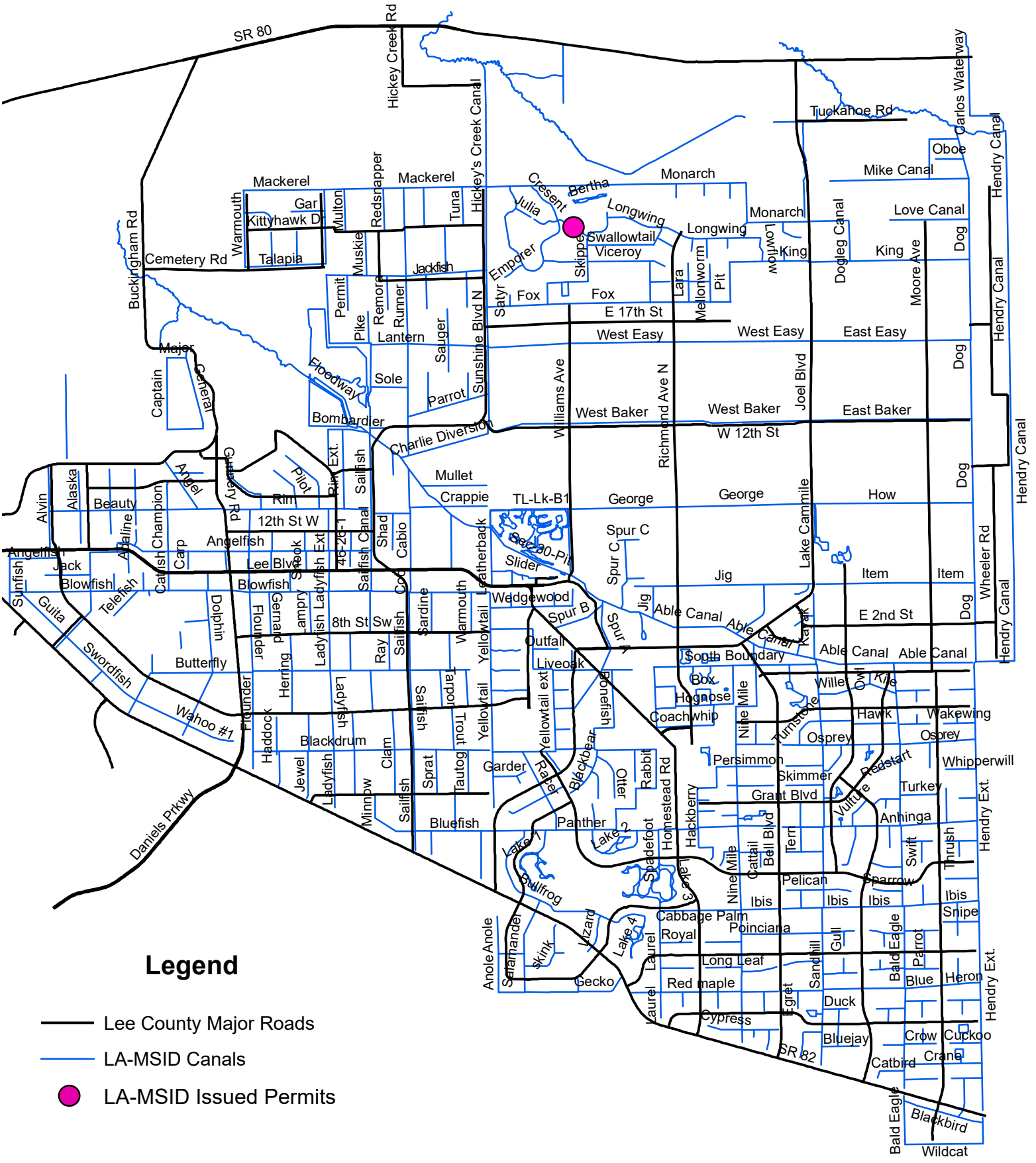
Name:	McKim & Creed						
Mailing Address:	5701 Division Drive, Suite A						
City:	Fort Myers	**State:**	FL			**Zip:**	33905
Business No.	**Area Code:**	(239)	**Number:**	275 - 8875		**Ext.**	
Other Contact:							

PART VI

SUBMITTALS

NO. OF COPIES		SUBMITTAL DOCUMENT
SUB'D	REQ'D	
		ITEMS REQUIRED FOR INITIAL SUBMITTAL
	2	**Construction/Development Plans** signed and sealed by a Licensed Florida Professional Engineer including: 1. Location map showing the location of the proposed project in relation to adjacent streets and LA-MSID facilities. 2. Details of proposed works that fully communicate the work and/or use desired (i.e. Existing Conditions Survey, Proposed Site Plan, Paving Grading & Drainage Plan, Cross Sections, Element Details, and Erosion Control Plan sheets). 3. Sufficient survey data to determine elevations, property and ROW lines, limits of existing and proposed conditions, and notation of utilized vertical datum (NAVD/NGVD).
	2	**Stormwater Drainage Calculations** signed and sealed by a Licensed Florida Professional Engineer including, but not limited to, computer stormwater routing modeling data (ICPR4, Cascade, etc.) to verify compliance with the Design Criteria (input summary data below): **Water Quality Volume (Required):** _____(ACRE-FT) **Water Quality Volume (Provided):** _____(ACRE-FT) **Control Elevation:** _____(FT-NGVD) **Minimum Road/Parking Elevation:** _____(FT-NGVD) *(above the 10-year, 1-day design storm peak stage elevation)* **Minimum Perimeter Berm Elevation:** _____(FT-NGVD) *(above the 25-year, 3-day design storm peak stage elevation)* **Minimum Finished Floor Elevation:** _____(FT-NGVD) *(above the 100-year, 3-day design storm peak stage elevation and previously experienced high-water levels external to project)*
	2	**Flash Drive / CD** containing plans in both AutoCAD (.dwg file drawn in "State Plane Coordinates") and PDF formats.
	2	**Permit Application** (PARTS I & II)
	2	**Disclosure of Owner Form (signed and notarized)** (PART III)
	2	**Professional Consultant Form & Submittals** (PARTS V & VI)
	2	**Copy of Approved FDEP Notice of Intent (NOI)** for all sites one (1) acre and greater in size.
	2	**Copy of approved SWFMD permit**, for all sites required to get a permit, **or FDEP "10/2 Self-Certification"** approval.
	1	**Check for appropriate Permit Fees** made out to LA-MSID.

Permit # 2026-100

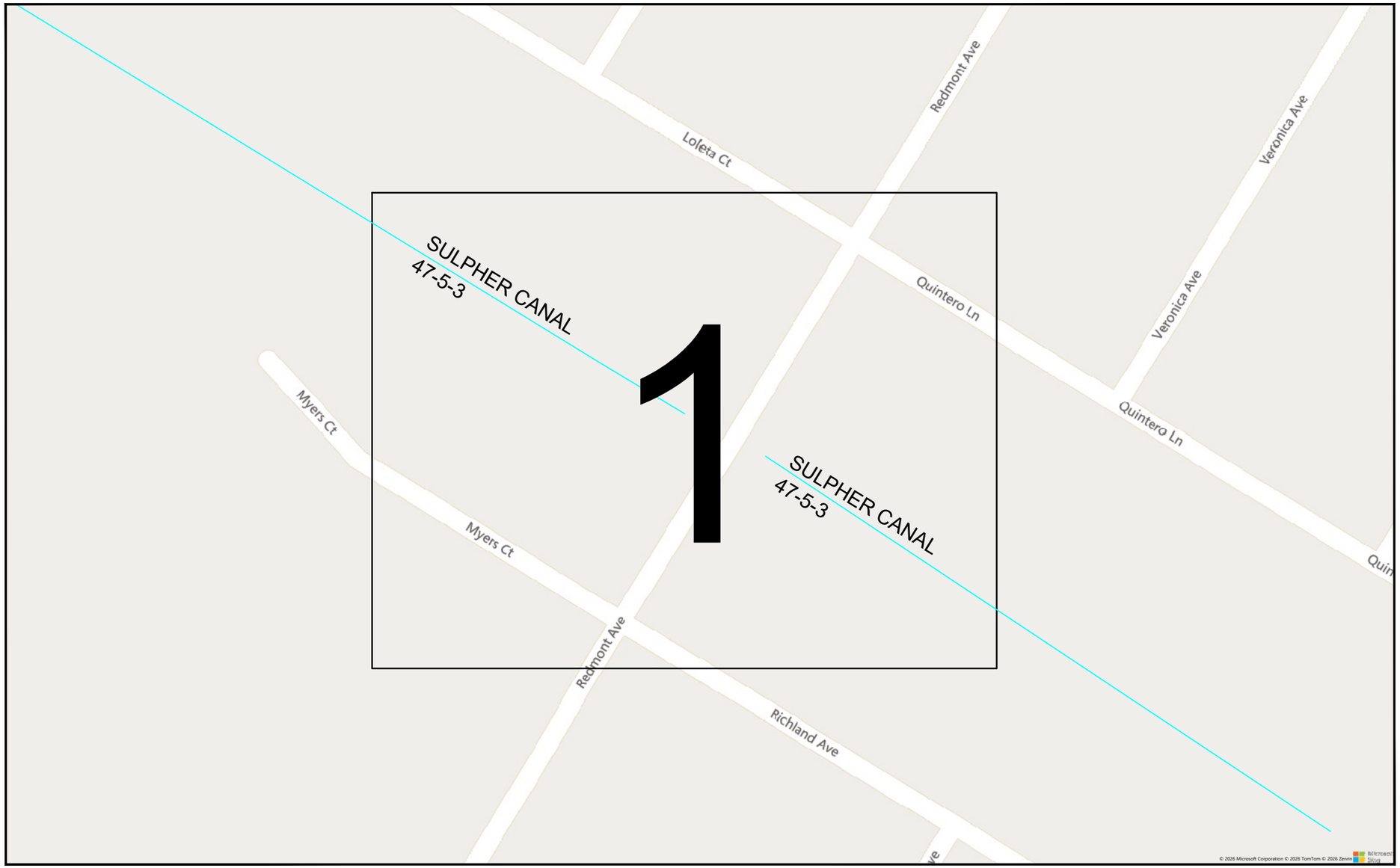


Legend

- Lee County Major Roads
- LA-MSID Canals
- LA-MSID Issued Permits

U38574 - SULPHER CANAL - 1942 RICHLAND AVE-LA-MSID-1

1942 RICHLAND AVE, LEHIGH ACRES, FL 33972 (26.679225, -81.646495)



lumos

TEP

5906 BRECKENRIDGE PKWY, SUITE A
TAMPA, FL 33610

TEP IS A FAMILY OF COMPANIES LICENSED TO PROVIDE DIFFERENT SERVICES IN DIFFERENT JURISDICTIONS. DEPENDING ON THE JURISDICTION, PROFESSIONAL ENGINEERING AND LAND SURVEYING SERVICES ARE PROVIDED BY TEP OPCO LLC, A DELAWARE LIMITED LIABILITY COMPANY, TEP ENGINEERING, PLLC, A NORTH CAROLINA PROFESSIONAL LIMITED LIABILITY COMPANY, OR M&H ENGINEERING, PLLC, A NEW YORK PROFESSIONAL LIMITED LIABILITY COMPANY. GENERAL CONTRACTOR SERVICES ARE PROVIDED BY TEPDB OPCO LLC, A DELAWARE LIMITED LIABILITY COMPANY. WE ACQUIRE THE REQUISITE LICENSES IN EACH STATE. ADDITIONAL INFORMATION CAN BE OBTAINED FROM THE COMPANY. THESE DRAWINGS ARE INTENDED TO DEPICT FIBER OPTIC CABLES, CONDUITS, AND RELATED INFRASTRUCTURE WITHIN THE PUBLIC RIGHT-OF-WAY (R/W) OR AREAS WITH VALID, RECORDED EASEMENTS OR LEASES, HOWEVER R/W LOCATIONS ARE BASED SOLELY ON GEOGRAPHIC INFORMATION SYSTEMS (GIS) DATA FROM THE LOCAL JURISDICTION. SURVEYS TO VERIFY R/W OR PROPERTY BOUNDARIES WERE NOT PERFORMED. WHERE INSTALLATION ROUTES EXTEND BEYOND THE R/W, THE UTILITY OWNER/OPERATOR IS SOLELY RESPONSIBLE FOR SECURING AND PROVIDING ALL NECESSARY EASEMENTS, LEASES, OR PROPERTY RIGHTS PRIOR TO CONSTRUCTION. CONTRACTORS SHALL RELY ON THE UTILITY OWNER/OPERATOR'S DOCUMENTATION AND ARE RESPONSIBLE FOR ENSURING THAT CONSTRUCTION OCCURS ONLY WITHIN AUTHORIZED AREAS. TEP, THE ENGINEER, DESIGNER, AND CREATOR OF THESE DRAWINGS ASSUME NO RESPONSIBILITY OR LIABILITY FOR UNAUTHORIZED PLACEMENT OF UTILITIES OUTSIDE THE PUBLIC R/W OR ON PRIVATE PROPERTY WITHOUT PROPER LEGAL AUTHORIZATION. ALL INSTALLATIONS MUST COMPLY WITH APPLICABLE LAWS AND REGULATIONS.

TEP OPCO, LLC
5906-A Breckenridge Pkwy, Tampa, FL 33610
FL COA# 31011
Shaine Herrick - Project Manager
sherrick@tepgroup.net

LUMOS
William Kiefer - OSP Project Engineer
william.kiefer@lumosfiber.com
Phone: (515) 306-3403

Jason Bush
jason.bush@lumosfiber.com
Phone: (850) 428-1313

REV	DESCRIPTION	INITIALS	DATE
0	ORIGINAL	DC	05/20/2026

TEP OPCO, LLC FL COA# 31011

JOSHUA H. CARDEN LICENSE No 83511 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 20th, 2026

This item has been digitally signed and sealed by JOSHUA H. CARDEN on the date adjacent to the seal.

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

SHEET TITLE:
COVER PAGE

811 Know what's below Call before you dig.

N

PERMIT #:

PROJECT DESCRIPTION

- BURIED PLACEMENT OF 350' OF (2) 1.25" HDPE SDR 11 CONDUIT EQUIPPED WITH (1) 288-CT MICROFIBER OPTIC CABLE. (2) PROPOSED HANDHOLES.
- PIPE TO BE INSTALLED BY MEANS OF HORIZONTAL DIRECTIONAL DRILLING AND HAND DIGGING METHODS.
- ALL AREAS DISTURBED BY INSTALLATION TO BE RESTORED TO EXISTING OR BETTER CONDITION.

SHEET INDEX

A - COVER SHEET
B - SOW & CONTACTS
C - LEGEND
D1-D2 - GENERAL NOTES
E - CONSTRUCTION NOTES
F-H - TYPICALS
1- 1 - PROJECT SHEETS
1A - PROFILE VIEW
I1 - I2 - IMAGES

PROJECT MANAGER:	SHAINE HERRICK
PROJECT ENGINEER:	DARIA COSTIN
PROJECT NUMBER:	U38574
DESCRIPTION:	1942 RICHLAND AVE
DRAWING NAME:	U38574 - SULPHER CANAL - 1942 RICHLAND AVE-LA-MSID-1
SHEET:	A of 1

CONFIDENTIAL/PROPRIETARY

SCOPE OF WORK

- BURIED PLACEMENT OF 350' OF (2) 1.25" HDPE SDR 11 CONDUIT EQUIPPED WITH (1) 288-CT MICROFIBER OPTIC CABLE. (2) PROPOSED HANDHOLES.
- PIPE TO BE INSTALLED BY MEANS OF HORIZONTAL DIRECTIONAL DRILLING AND HAND DIGGING METHODS.
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UTILITY OWNER CONTACTS

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ENGINEERING COMPANY

TEP OPCO, LLC
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PROJECT MANAGER:
SHAINE HERRICK
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UTILITIES CONTACTS

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FLORIDA POWER & LIGHT--LEE
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FLORIDA GOVERNMENTAL UTILITIES AUTHORITY - LEHIGH
POTABLE WATER/SANITARY SEWER
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(727) 858-2396

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT
MICHAEL COOK
(239) 368-0044 Ext. 16
MCOOK@LA-MSID.COM
STORM WATER/CANALS

LEE COUNTY DEPARTMENT OF TRANSPORTATION (DOT)
COMMERCIAL RIGHT OF WAY USE PERMIT
(239) 533-8580
ROADS

FDOT
DISTRICT 1 - COUNTIES: CHARLOTTE, COLLIER, DESOTO, GLADES, HARDEE, HENDRY, HIGHLANDS, LEE, MANATEE, OKEECHOBEE, POLK, SARASOTA
801 N. BROADWAY AVENUE
BARTOW, FLORIDA 33830
PHONE: (800) 292-3368
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TEP IS A FAMILY OF COMPANIES LICENSED TO PROVIDE DIFFERENT SERVICES IN DIFFERENT JURISDICTIONS. DEPENDING ON THE JURISDICTION, PROFESSIONAL ENGINEERING AND LAND SURVEYING SERVICES ARE PROVIDED BY TEP OPCO LLC, A DELAWARE LIMITED LIABILITY COMPANY, TEP ENGINEERING, PLLC, A NORTH CAROLINA PROFESSIONAL LIMITED LIABILITY COMPANY, OR M&H ENGINEERING, PLLC, A NEW YORK PROFESSIONAL LIMITED LIABILITY COMPANY. GENERAL CONTRACTOR SERVICES ARE PROVIDED BY TEPDB OPCO LLC, A DELAWARE LIMITED LIABILITY COMPANY. WE ACQUIRE THE REQUISITE LICENSES IN EACH STATE. ADDITIONAL INFORMATION CAN BE OBTAINED FROM THE COMPANY. THESE DRAWINGS ARE INTENDED TO DEPICT FIBER OPTIC CABLES, CONDUITS, AND RELATED INFRASTRUCTURE WITHIN THE PUBLIC RIGHT-OF-WAY (R/W) OR AREAS WITH VALID, RECORDED EASEMENTS OR LEASES, HOWEVER R/W LOCATIONS ARE BASED SOLELY ON GEOGRAPHIC INFORMATION SYSTEMS (GIS) DATA FROM THE LOCAL JURISDICTION. SURVEYS TO VERIFY R/W OR PROPERTY BOUNDARIES WERE NOT PERFORMED. WHERE INSTALLATION ROUTES EXTEND BEYOND THE R/W, THE UTILITY OWNER/OPERATOR IS SOLELY RESPONSIBLE FOR SECURING AND PROVIDING ALL NECESSARY EASEMENTS, LEASES, OR PROPERTY RIGHTS PRIOR TO CONSTRUCTION. CONTRACTORS SHALL RELY ON THE UTILITY OWNER/OPERATOR'S DOCUMENTATION AND ARE RESPONSIBLE FOR ENSURING THAT CONSTRUCTION OCCURS ONLY WITHIN AUTHORIZED AREAS. TEP, THE ENGINEER, DESIGNER, AND CREATOR OF THESE DRAWINGS ASSUME NO RESPONSIBILITY OR LIABILITY FOR UNAUTHORIZED PLACEMENT OF UTILITIES OUTSIDE THE PUBLIC R/W OR ON PRIVATE PROPERTY WITHOUT PROPER LEGAL AUTHORIZATION. ALL INSTALLATIONS MUST COMPLY WITH APPLICABLE LAWS AND REGULATIONS.

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0	ORIGINAL	DC	05/20/2026

TEP OPCO, LLC — FL COA# 31011

JOSHUA H. CARDEN LICENSE No 83511 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 20th, 2026

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SHEET TITLE: SOW & CONTACTS

PROJECT MANAGER:	SHAINE HERRICK
PROJECT ENGINEER:	DARIA COSTIN
PROJECT NUMBER:	U38574
DESCRIPTION:	1942 RICHLAND AVE
DRAWING NAME:	U38574 - SULPHER CANAL - 1942 RICHLAND AVE-LA-MSID-1
SHEET:	B of 1

CONFIDENTIAL/PROPRIETARY

LEGEND

LINETYPES

- UG FIBER – EXISTING
- UG FIBER – PROPOSED
- AERIAL FIBER – EXISTING
- AERIAL FIBER – PROPOSED
- COMMUNICATION (COM)
- RECLAIM WATER (RCW)
- DITCH
- GUARDRAIL
- ROAD CENTERLINE
- EASEMENT (ESMT)
- GAS (G)
- WATER (W)
- TELEPHONE (T)
- ELECTRIC (E)
- SANITARY SEWER (SEW)
- STORM DRAIN (SD)
- FENCE (X)
- CABLE TV (TV)
- STEAM (STM)
- OIL (OIL)
- UNKNOWN UTILITY (UNK)
- RIGHT OF WAY (R/W)
- EDGE OF PAVEMENT (EOP)
- SIDEWALK (S/W)

SYMBOL / DESCRIPTION

SYMBOL	DESCRIPTION
BP	BORE PIT
EOP	EDGE OF PAVEMENT
EOTW	EDGE OF TRAVEL WAY
FOC	FIBER OPTIC CABLE
HDPE	HIGH DENSITY POLYETHYLENE
HH	HANDHOLE
JB	JUNCTION BOX
MH	MANHOLE
MP	MILE POST
O/S	OFFSET
PVC	POLY VINYL CHLORIDE
RGS	RIGID GALVANIZED STEEL CONDUIT
ROW	RIGHT OF WAY
S/W	SIDEWALK
STA.	STATION

- CB — CABINET
- P — PEDESTAL
- E — ELECTRIC
- EM — ELECTRIC METER
- MH — MANHOLE
- R — RISER
- T — TELEPHONE
- P — POWER VAULT
- CATCH BASIN/INLET
- FIRE HYDRANT
- GROUND/BOND
- STREET LIGHT
- TREE
- CULVERT
- WING WALL
- BRIDGE
- U — MISC. UTILITY
- UTILITY POLE – EXISTING
- OWNER ID — POLE – PROPOSED
- HH — HANDHOLE – EXISTING
- HH — HANDHOLE – PROPOSED
- PD — PEDESTAL – PROPOSED
- MKR — PROMARK DOME MARKER POST
- BORE PIT – PROPOSED

- 0' — AERIAL STORAGE – EXISTING
- 0' — AERIAL STORAGE – PROPOSED
- 0' — VAULT/BUILDING STORAGE – EXISTING
- 0' — VAULT/BUILDING STORAGE – PROPOSED
- POLE ANCHOR/DOWN GUY – EXISTING
- POLE ANCHOR/DOWN GUY – PROPOSED
- PROPOSED DOWN GUY ON EXISTING ANCHOR
- FDP / NAME / SIZE / LOCATION — TERMINATION – EXISTING
- FDP / NAME / SIZE / LOCATION — TERMINATION – PROPOSED
- BUILDING / NAME / STREET — BUILDING CALLOUT – PROPOSED
- MANUFACTURER NAME — SPLICE POINT – EXISTING
- MANUFACTURER NAME — SPLICE POINT – PROPOSED

#F	IN:	0
	OUT:	0

SEQUENTIAL CALLOUT

#F	IN:	0
	TAIL:	0

SEQUENTIAL IN TAIL CALLOUT

#F	TAIL:	0
	OUT:	0

SEQUENTIAL TAIL OUT CALLOUT

POLE NO	N/A
UTILITY1	0'–0"

POLE ATTACHMENT CALLOUT – EXISTING
USE DYNAMIC PULL DOWN TO SELECT
FROM 1 TO 6 ATTACHMENTS

POLE NO	N/A
UTILITY1	0'–0"

POLE ATTACHMENT CALLOUT – PROPOSED
USE DYNAMIC PULL DOWN TO SELECT
FROM 1 TO 6 ATTACHMENTS

lumos

TEP

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SHEET TITLE: LEGEND

PROJECT MANAGER:	SHAINE HERRICK
PROJECT ENGINEER:	DARIA COSTIN
PROJECT NUMBER:	U38574
DESCRIPTION:	1942 RICHLAND AVE
DRAWING NAME:	U38574 - SULPHER CANAL - 1942 RICHLAND AVE-LA-MSID-1

SHEET: C of 1

CONFIDENTIAL/PROPRIETARY

GENERAL NOTES

GENERAL NOTES

CONTRACTOR MUST OBTAIN LOCATES PRIOR TO DISTURBING THE GROUND.

CONTRACTOR MUST HAVE A COPY OF THE APPROVED PERMIT FROM THE APPROPRIATE AGENCY ON THE JOBSITE AT ALL TIMES.

ALL CABLE WILL BE PLACED AT A MINIMUM DEPTH OF 36" DEEP UNLESS OTHERWISE DIRECTED BY A REPRESENTATIVE OF THE UTILITY OWNER.

ANY LANDSCAPING WILL BE REPLACED TO EQUAL OR BETTER THAN THAT WHICH EXISTED PRIOR TO WORK, 72 HOURS AFTER COMPLETION OF WORK.

PROJECT SITE WILL BE PROPERLY SECURED PRIOR TO THE END OF EACH DAY.

ALL WORK IS TO BE IN ACCORDANCE WITH ALL AUTHORITIES HAVING JURISDICTION IN THE WORK ZONE.

CONTRACTORS ARE ADVISED TO CONTACT THE PROJECT MANAGER FOR ANY ADDITIONAL INFORMATION OR CLARIFICATION CONCERNING SCOPE OF WORK OR THE REQUIREMENTS NECESSARY FOR PROJECT COMPLETION.

CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY ALL DIMENSIONS, QUANTITIES AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION. IF A SIGNIFICANT CHANGE TO THE RUNNING LINE IS NEEDED, PLEASE CONTACT THE PROJECT MANAGER BEFORE PROCEEDING.

BEFORE CONSTRUCTION BEGINS, CONTRACTOR SHALL TAKE APPROPRIATE PRECAUTIONS TO AVOID ANY POTENTIAL OBSTRUCTIONS PRIOR TO PROCEEDING WITH WORK.

NO CONSTRUCTION ON PRIVATE PROPERTY WILL COMMENCE UNTIL APPROVAL IS GIVEN BY A REPRESENTATIVE OF THE UTILITY OWNER.

CONTRACTOR SHALL NOT PROCEED WITH WORK UNTIL THEY HAVE RECEIVED A PURCHASE ORDER AND HAVE BEEN DIRECTED TO DO SO BY AN AUTHORIZED REPRESENTATIVE OF THE UTILITY OWNER.

CONTRACTOR SHALL NOT EXCEED THE PURCHASE ORDER VALUE WITHOUT AUTHORIZATION IN WRITING FROM THE APPROPRIATE REPRESENTATIVE OF THE UTILITY OWNER.

AS-BUILTS WILL BE REQUIRED FOR EACH PROJECT INCLUDING CABLE FOOTAGE SEQUENTIALS AT EVERY ACCESS POINT, SLACK LOOP, SPLICE LOCATION, POLE AND TERMINATION POINT. CONTRACTOR SHOULD ALSO PROVIDE NOTES OF ALL CHANGES IN DEPTHS, RUNNING LINES, MH/HH LOCATIONS, AND ANY OTHER APPLICABLE NOTES TO DEPICT THE WORK THAT TOOK PLACE. NOTE: ALL MAJOR CHANGES NEED TO BE PRE-APPROVED BY AN AUTHORIZED REPRESENTATIVE OF THE UTILITY COMPANY PRIOR TO STARTING THE WORK.

SITE CONDITIONS

THE ACTUAL LOCATION OF EXISTING CONDUIT AND CABLES MAY VARY FROM THE LOCATION SHOWN. REPAIR OF ANY DAMAGED CONDUIT CONTAINING CABLE SHALL BE MADE BY USE OF PVC SPLIT DUCT. THE CONTRACTOR SHALL ENCLOSE THE EXISTING CABLES IN PVC.

THE LOCATIONS OF EXISTING UTILITIES SHOWN IN THIS PLAN ARE APPROXIMATE. WHEN WORK IS TO BE CONDUCTED IN THE VICINITY OF KNOWN UTILITIES, THEIR ACTUAL LOCATION MUST BE FIELD VERIFIED TO AVOID CONFLICTS OR DAMAGE TO THOSE UTILITIES. VARIATION IN LOCATION BETWEEN "RECORDED POSITIONS" AND ACTUAL POSITIONS SHOULD BE ANTICIPATED.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES. BURIED UTILITIES MAY EXIST IN THE AREA IN ADDITION TO THOSE SHOWN ON THE PLAN. THE CONTRACTOR SHALL CONTACT PROPERTY OWNERS WHEN WORKING WITHIN PRIVATE EASEMENTS FOR LOCATION OF UNDERGROUND TANKS, PIPELINES, DRAIN TILES, OR OTHER BURIED IMPROVEMENTS. THE CONTRACTOR SHALL ALSO NOTIFY THE UTILITY NOTIFICATION CENTER PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITIES.

THE CONTRACTOR MUST ASSUME ALL BURIED UTILITIES ENCOUNTERED ARE ALIVE AND ACTIVE UNLESS SPECIFICALLY INSTRUCTED OTHERWISE BY OWNERS OR OPERATORS OF SAID UTILITIES.

DAMAGE TO SUB-SURFACE STRUCTURES IS THE SOLE RESPONSIBILITY OF THE PLACING CONTRACTOR.

THE CONTRACTOR SHALL PROTECT THE EXISTING TRAFFIC CONTROL LOOPS. IF EXISTING TRAFFIC CONTROL LOOPS ARE DAMAGED DURING CONSTRUCTION, THE ENTIRE LOOP WIRE FROM TERMINAL TO TERMINAL SHALL BE REPLACED IN ACCORDANCE WITH GOVERNING AGENCY STANDARDS AND REGULATIONS AT CONTRACTOR'S EXPENSE.

REMOVAL OF EXISTING ASPHALT PAVEMENT, CONCRETE CURBS, AND CONCRETE SIDEWALKS WILL BE "NEAT LINE" WITH SAW OR PAVEMENT CUTTER, PER REQUIREMENTS AND SPECIFICATIONS OF THE AGENCY OR DEPARTMENT RESPONSIBLE FOR EACH LOCATION. IF CONCRETE PAVEMENT IS ENCOUNTERED WHILE EXCAVATING CONDUIT TRENCHES, THE CONCRETE REMOVAL WILL BE "NEAT LINE" WITH A PAVEMENT SAW.

IF CONCRETE CURB RETURNS AND/OR SIDEWALKS ARE REPLACED DUE TO CONDUIT OR MANHOLE INSTALLATION, THE CONTRACTOR SHALL PLACE APPROVED HANDICAPPED SIDEWALK AND CURB ACCESS RAMPS IN CONFORMANCE WITH THE APPROPRIATE STATE STATUTES.

ALL MATERIALS NECESSARY FOR THE REPAIR OF STREETS, CURBS, SIDEWALKS, SANITARY SEWERS, STORM SEWERS, AND PUBLIC SERVICE UTILITIES, AND THE INSTALLATION OF SUCH MATERIALS SHALL BE IN CONFORMANCE WITH THE REQUIREMENTS AND SPECIFICATIONS OF THE AGENCY OR DEPARTMENT RESPONSIBLE FOR THE OPERATION AND MAINTENANCE OF THE REPAIRED FACILITY.

ALL WORK SHALL CONFORM TO THE SPECIFICATIONS OF THE JURISDICTIONAL PERMIT AGENCY.

ALL OPEN TRENCH WILL BE CLEARLY MARKED WITH BARRICADES OR CONES. STEEL PLATES OR OTHER TYPES OF BRIDGING SHALL BE PROVIDED TO COVER OPEN TRENCH IN THE TRAVEL PORTION OF THE STREETS. THESE PLATES OR BRIDGING SHALL BE ADEQUATE TO SUPPORT THE NORMAL VEHICLE LOADS ANTICIPATED IN THIS AREA AND SHALL BE IN PLACE DURING ALL NON-WORKING AREAS.

ALL SURFACES TO BE RESTORED TO ORIGINAL CONDITION, AND BACKFILL TO BE COMPACTED AS SPECIFIED. TRENCH EXCAVATION IN SURFACES WHICH INCLUDE CONCRETE TREATED BASE SHALL FOLLOW LOCAL AREA SPECIFICATIONS.

HAZARDOUS MATERIALS

THE CONTRACTOR SHALL NOTIFY THE JURISDICTIONAL PERMIT AGENCY IMMEDIATELY IF ANY MATERIALS ARE ENCOUNTERED THAT ARE CONSIDERED HAZARDOUS BY THE EPA, DEQ, OR OSHA. IF POTENTIALLY HAZARDOUS MATERIALS ARE ENCOUNTERED THE CONTRACTOR SHALL SECURE THE SITE AND PREVENT THE ACCIDENTAL EXPOSURE BY THE PUBLIC OR THE CONTRACTOR'S PERSONNEL.

THE CONTRACTOR MAY EXCAVATE UP TO, BUT SHALL NOT DISTURB KNOWN HAZARDOUS MATERIALS SUCH AS ASBESTOS, OILS, ACID, ETC. THE REMOVAL OF ALL HAZARDOUS MATERIALS MUST BE DONE BY AN APPROVED OR CERTIFIED HAZARDOUS MATERIALS CONTRACTOR LICENSED IN THE APPROPRIATE STATE.

A COPY OF ALL CORRESPONDENCE PERTINENT TO THE REMOVAL OF HAZARDOUS MATERIALS SHALL BE TRANSMITTED TO OWNER AND A COPY SHALL BE AVAILABLE AT THE PROJECT OFFICE AND THE JOB SITE.

AERIAL NOTES

- AERIAL CONSTRUCTION TO BE PERFORMED TO INDUSTRY ACCEPTABLE STANDARDS.
- ALL HEIGHTS OF CABLE PLACEMENT WILL BE RECORDED AT TIME OF CONSTRUCTION. DOCUMENT ALL POINTS OF ATTACHMENT.
- ALL EXTENSION ARMS TO BE PLACED WILL BE EPOXY ARMS UNLESS OTHERWISE NOTED OR APPROVED BY THE INSPECTOR.
- BOND STRAND TO POWER MGN WHERE APPLICABLE. ANCHORS TO BE USED WILL BE 3/4 SCREW IN TYPE.
- ALL STRAPS WILL BE PLACED 4" BEFORE AND AFTER EVERY SUPPORTING CLAMP AT A MINIMUM OF 21" APART.
- P.O.A. = POINT OF ATTACHMENT.
- ADD MISSING GROUNDS.
- REPAIR/REPLACE EXISTING LASHING WIRE IF DAMAGED.

CONSTRUCTION STAKING

IN AREAS WHERE THE CONDUIT ALIGNMENT IS NOT CLEARLY DEFINED BY CURB LINES, FENCE LINES, OR OTHER EVIDENCE OF THE RIGHT-OF-WAY, THE ENGINEER WILL PROVIDE CENTERLINE STAKES OR PAINT MARKS WHERE REQUIRED TO MAKE THE PROPOSED CONDUIT ALIGNMENT EVIDENT.

MANHOLE CENTERS WILL BE FIELD STAKED BY THE ENGINEER WHEN REQUESTED WITH OFFSET STAKES AT RIGHT ANGLES (90°) TO THE CONDUIT ALIGNMENT.

CLOSURES IDENTIFIED IN THE PLANS SHALL BE LOCATED BY THE CONTRACTOR. DEVIATION FROM PLAN LAYOUT SHALL BE APPROVED BY THE ENGINEER PRIOR TO CONDUIT AND/OR CLOSURE INSTALLATION.

IF ADDITIONAL, FIELD STAKING OR LOCATION OF CONDUITS, MANHOLES, PROPERTY LINES, ETC., BECOMES NECESSARY, THE CONTRACTOR IS TO NOTIFY THE INSPECTOR OR THE ENGINEER TWO WORKING DAYS PRIOR TO BEGINNING THE WORK.

lumos

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GENERAL NOTES

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PROJECT ENGINEER:	DARIA COSTIN
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DRAWING NAME:	U38574 - SULPHER CANAL - 1942 RICHLAND AVE-LA-MSID-1

SHEET:
D1 of 1

CONFIDENTIAL/PROPRIETARY

GENERAL NOTES

PERMITS - FRANCHISES - EASEMENTS

PHYSICAL WORK SHALL NOT BE STARTED UNTIL THE GOVERNING AGENCY INSPECTOR AND THE CONTRACTOR ARE IN POSSESSION OF AND HAVE CAREFULLY REVIEWED AND FULLY UNDERSTAND ALL CONDITIONS AND SPECIFICATIONS SET FORTH IN THE REQUIRED PERMITS, FRANCHISES, AND/OR EASEMENTS.

PLACING FOREMAN TO HAVE A COPY OF THE PERMITS/EASEMENTS ON SITE AT ALL TIMES.

ANY CONFLICT BETWEEN WORK PRINT SPECIFICATIONS AND SPECIFICATIONS SET FORTH UNDER RELATED PERMITS, FRANCHISES, AND/OR EASEMENTS MUST BE CLEARED BY PROPER COMPANY AUTHORITY BEFORE PROGRESSING WITH WORK INVOLVED

TRAFFIC CONTROL

THIS PROJECT WILL INVOLVE WORKING ALONG A MAJOR ARTERIAL ROAD AND HEAVY TRAFFIC VOLUME SHOULD BE ANTICIPATED.

UNIFORM TRAFFIC FLOW SHALL BE MAINTAINED AT ALL TIMES. ONLY EQUIPMENT AND MATERIALS NECESSARY FOR IMMEDIATELY SCHEDULED OR IN PROGRESS WORK WILL BE MAINTAINED IN THE WORK AREA. ALL OTHER EQUIPMENT AND MATERIALS WILL BE "STORED OR STOCKPILED" IN SUCH A MANNER AS TO ELIMINATE HAZARDOUS CONDITIONS FOR TRAFFIC OR PEDESTRIANS DURING NON-WORKING OR SHUT DOWN PERIODS.

TRAFFIC WARNING DEVICES AND SIGNS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (U.S. GOVERNMENT PRINTING OFFICE) AND TO THE STATE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION. HIGH LEVEL WARNING TYPE DEVICES ARE TO BE USED AT ALL TIMES AND SPECIAL WARNING DEVICES MAY BE STIPULATED BY THE JURISDICTIONAL PERMIT AGENCY AT ANY TIME THE USE WILL ADD TO THE SAFETY AND PROTECTION OF TRAFFIC OR PEDESTRIANS IN THE CONSTRUCTION AREA.

ALL CONDUIT TRENCHING IN PAVED AREAS SHALL BE BACKFILLED WITH CRUSHED GRAVEL OR COMPLETELY COVERED AT THE COMPLETION OF EACH WORKING DAY. ANY BACKFILLED TRENCH SHALL BE CAPPED WITH A MINIMUM LAYER OF ASPHALTIC CONCRETE COLD PATCH AT THE END OF EACH WORKING DAY.

THE CONTRACTOR SHALL MARK THE CONDUIT TRENCH AND DEFINE HIS CONSTRUCTION AREA CLEARLY WITH BARRICADES, CONES, AND/OR OTHER VISIBLE METHODS THAT ALERT THE PUBLIC OF THE CONSTRUCTION ACTIVITY.

A TRAFFIC CONTROL PLAN SHALL BE PREPARED BY THE CONTRACTOR AS REQUIRED AND SUBMITTED TO EACH PERMITTING AGENCY REQUESTING SUCH PLAN FOR REVIEW AND APPROVAL OR REVISION PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITY FOR THIS PROJECT. THE APPROVED PLAN SHALL BE SUBMITTED TO THE AGENCY AND A COPY OF THE PLAN SHALL BE KEPT AT THE CONSTRUCTION SITE AND MUST BE READILY AVAILABLE REVIEW BY THE AGENCY REPRESENTATIVES.

SPECIAL UTILITY CLEARANCES

ALL WORK CONDUCTED ADJACENT TO WATER MAINS SHALL CONFORM TO THE FOLLOWING CONDITIONS:

A. WHEREVER POSSIBLE CONDUIT SHALL MAINTAIN A HORIZONTAL SEPARATION OF 3.0 FEET, MEASURED SURFACE TO SURFACE (OUTSIDE EDGE TO OUTSIDE EDGE), FROM PARALLEL WATER MAINS.

B. WHEREVER POSSIBLE, CONDUIT SHALL PASS UNDER EXISTING WATER MAINS AND MUST MAINTAIN 24" VERTICAL CLEAR SEPARATION. CONDUITS PASSING OVER WATER MAINS MUST ALSO MAINTAIN THE 24" VERTICAL SEPARATION.

C. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING THIS REQUIRED VERTICAL SEPARATION BY EITHER EXPOSING THE WATER MAIN EVERY 100 FEET IN THOSE AREAS WHERE HORIZONTAL SEPARATION IS LESS THAN 3.0 FEET OR BY UTILIZING THE DEPTHS OF ADJACENT WATER VALVES. IF THE CONTRACTOR UTILIZES THE ADJACENT WATER TO DETERMINE WATER MAIN DEPTH, HE SHALL CONTACT THE AGENCY AT EACH SUCH LOCATION AND THE AGENCY WILL DETERMINE THE NECESSARY DEPTH OF THE TOP OF THE CONDUIT AT THAT POINT.

D. THE VERTICAL AND HORIZONTAL SEPARATION SHALL BE MAINTAINED AT ALL TIMES UNLESS SPECIFICALLY REVISED BY AGREEMENT BETWEEN THE JURISDICTIONAL PERMIT AGENCY AND THE AGENCY ANY SPECIFIC DEVIATION IN VERTICAL AND HORIZONTAL SEPARATION FROM THOSE DESCRIBED SHALL BE REPORTED TO THE OWNER BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING VERTICAL AND HORIZONTAL SEPARATION AT ALL TIMES AND SHALL BE RESPONSIBLE FOR ANY AND ALL ENCROACHMENTS.

E. CLEARANCES TO STORM SEWERS AND SANITARY SEWERS SHALL BE EXACTLY THE SAME AS THOSE TO WATER MAINS.

STRUCTURE PROTECTION

MANHOLES AND CONDUIT TO BE PLACED ADJACENT TO EXISTING STRUCTURES SUCH AS BRIDGE BRIDGE FOOTINGS/PIERS, BUILDING FOUNDATIONS, WALLS, POWER AND TELEPHONE POLES, AND OTHER UTILITIES SHALL MAINTAIN A MINIMUM CLEARANCE AS SHOWN. THE CONTRACTOR SHALL NOT UNDERMINE ANY ADJACENT STRUCTURE WITHOUT SPECIFIC WRITTEN PERMISSION FROM THE OWNER/OPERATOR OF SUCH STRUCTURE.

SHORING USED AS FOUNDATION SUPPORT SHALL BE DESIGNED SPECIFICALLY FOR BOTH THE LIVE AND DEAD LOADS OF THE STRUCTURE, OR IF ONLY THE DEAD LOAD IS USED FOR DESIGN, THE CONTRACTOR SHALL PROVIDE A DETAILED LAYOUT AND PLAN OF THE METHOD OF ESTABLISHING AND MAINTAINING THE DESIGN LOAD CONDITIONS (I.E., ROAD DETOURS, TIEBACKS, ETC.).

SEE UTILITY CLEARANCE SECTION NOTES FOR CLEARANCE CRITERIA TO PARALLEL OR CROSS UTILITIES.

EXISTING UTILITIES EXPOSED DURING EXCAVATION SHALL BE 100% SUPPORTED BY EITHER TRENCH BRIDGING AND SUSPENSION OR BY THE USE OF LONGITUDINAL TRAYS OR PLATFORMS VERTICALLY SUPPORTED BY ADJUSTABLE BUILDING JACKS.

EXISTING SPLICE CASES AND CABLES SHALL BE SUPPORTED BY SUSPENSION FROM A CROSSING BEAM. SUPPORTS SHALL BE PLACED AT A MAXIMUM SPACING OF 4.0 FEET AND SHALL CONSIST OF A CANVAS SLING WITH NYLON BELTING OR ROPE. ALL CABLE SUPPORTS SHALL BE PLACED IN A MANNER THAN PREVENTS KINKS OR OTHER DAMAGE TO THE CABLE SHEATH.

AN ACCEPTABLE ALTERNATIVE TO CABLE SLINGS WOULD BE THE UTILIZATION OF A WIDE FLANGE "I" BEAM OR CHANNEL AS A "CABLE TRAY" WITH THE CABLES/CASES BANDED IN PLACE.

SHORING

THE CONTRACTOR SHALL PROVIDE SHORING FOR CONDUIT TRENCH EXCAVATION 42" OR MORE IN DEPTH AS MEASURED FROM THE HIGH SIDE OF THE TRENCH AND FOR ALL MANHOLE EXCAVATION.

MANHOLE SHORING SHALL BE TIGHT-SHEETED.

ALL SHORING SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF LOCAL COUNTY AND THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA).

SHORING SHALL BE DESIGNED TO MEET H-20 HIGHWAY LOADING.

THE CONTRACTOR SHALL PROVIDE ALL SHORING AND DESIGN CALCULATIONS TO THE PERMIT ISSUING AGENCY PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITY.

UTILITY NOTE:

EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND BASED ON AVAILABLE RECORDS, VERBAL INFORMATION AND/OR PHYSICAL FEATURES. PRIOR TO CONSTRUCTION (AT LEAST 72 HOURS OR THE MORE RESTRICTIVE MINIMUM NOTIFICATION PERIOD), THE CONTRACTOR SHALL CONTACT SUNSHINE 811 TO ALLOW MARKING OF EXISTING BURIED UTILITIES WITHIN THE SCOPE OF THE PROPOSED WORKZONE.

SOFT DIGS &/OR POTHOLING SHALL BE REQUIRED BY CONTRACTOR TO IDENTIFY EXISTING UTILITY DEPTHS.

MINIMUM 24" SEPARATION SHALL BE MAINTAINED FROM ALL EXISTING UTILITIES UNLESS SUPERVISED.

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0	ORIGINAL	DC	05/20/2026

TEP OPCO, LLC FL COA# 31011

JOSHUA H. CARDEN LICENSE No 83511 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 20th, 2026

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SHEET TITLE:
GENERAL NOTES

PROJECT MANAGER:	SHAINE HERRICK
PROJECT ENGINEER:	DARIA COSTIN
PROJECT NUMBER:	U38574
DESCRIPTION:	1942 RICHLAND AVE
DRAWING NAME:	U38574 - SULPHER CANAL - 1942 RICHLAND AVE-LA-MSID-1

SHEET:
D2 of 1

CONFIDENTIAL/PROPRIETARY

FDOT CONSTRUCTION NOTES

1. Aerial crossings of State roads involving temporary lane closures are to be done between the hours of 12:00 am and 5:00 am Monday through Thursday unless previously approved by the Department.

2. When directional bore is the method of installation, a minimum 24-inch separation shall be maintained from all existing utilities unless supervised, ITS/ATMS lines, and storm drain systems while maintaining the minimum required depth under pavement or non-paved ground.

3. If the proposed utility cannot be installed per the approved permitted plan and by FDOT specifications, a revised plan must be provided to the Department for review and approval prior to the installation of products or materials at the given locations where conflicts occur.

4. Any new proposed plan shall include cross sections, plan views and profiles of the State road adequately reflecting all right-of-way features including but not limited to existing utilities, storm drain systems and any above or below ground appurtenances where applicable.

5. No pedestrian pathway is to be removed, blocked, or disturbed without having a sufficient designated temporary pedestrian pathway with all appropriate pedestrian maintenance of traffic signs (Index 660) in-place prior to pathway being affected.

6. All temporary pedestrian pathways must be firm and unyielding.

7. Any sidewalk disturbed will be replaced by section within 72 hours to FDOT specifications.

8. Any sidewalk fronting the property that is cracked, damaged or unstable and is creating an ADA trip hazard must be replaced by section, using Standard #520-001, #522-002, and #522-001 for the construction of sidewalk and meet current ADA Standards. All concrete placed in the right of way shall be a minimum of 6" thick, FDOT Certified Class 1 non-structural, 57 stone, 2500 PSI concrete, with fiber mesh material from a FDOT approved plant.

9. FDOT reserves the right to make adjustments to any permitted method of installation, scope of work, and restoration that may be required to positively support life, safety, and environmental well-being of all users of the transportation system.

10. The Permittee shall notify the FDOT of date of completion, request a final inspection, and a Notice of Final Acceptance.

11. All construction and/or maintenance in the FDOT right-of-way shall conform to the Federal Manual on Uniform Traffic Devices (MUTCD), the FDOT Roadway and Traffic Design Standards, the Standard Specifications for Road and Bridge Construction, the Florida Design Manual, and the Drainage Manual.

12. Prior to removal of existing curb or driveway, the edge of travel shall be sawcut to avoid damaging the existing roadway asphalt. All concrete to be removed in FDOT right-of-way shall be sawcut and removed from the nearest joint.

13. No lane closure of any State roadway is allowed without a minimum of two (2) weeks advance notification and approval from FDOT.

14. Lane closures must be limited to Sunday through Thursday 8:00 pm to 5:30 am unless otherwise approved by FDOT.

15. Any sidewalk damaged because of work being performed in association with the Permittee and Contractor shall be removed and replaced with 6-inch thick Class 1 non-structural, 2,500 PSI with fiber mesh.

16. Open cutting of any roadway, driveway or sidewalk outside those limits identified within the permit are not allowed without prior approval of by FDOT.

17. The Contractor shall have an authorized person available at/or near the work site on a 24-hour basis, 7 days a week in order to address emergency issues associated with the project.

18. No stockpiling, storing or semi-permanent use of the right-of-way is authorized unless specifically identified within the permit.

19. No work shall be performed during the weeks of any State or Federal holiday unless otherwise approved in writing by FDOT.

20. The permitted work schedule is defined as Monday through Friday 7:00 am to 5:30 pm unless otherwise noted within the permit. Any work desired outside of this period must be requested in advance and approved before working the alternate schedule.

21. When work is associated with roadway modifications and/or site development, the Contractor is required to have a preconstruction meeting with the FDOT inspector two weeks prior to any construction beginning within the right-of-way.

22. All work performed under this permit within the right-of-way is to be scheduled with FDOT inspection staff.

23. Roadway restoration shall utilize 100 PSI excavatable flowable fill material and asphalt placed within the State right-of-way shall be placed full-depth, two 2.5-inch lifts of SP 12.5, two 1.5-inch lifts of SP 9.5. Typical sections will need to be provided within the plans for the pavement placement. A stair step method should be incorporated, prior to placing asphalt, to avoid vertical joints. Milling of the patch may be required based on the patched surface performance. The milling shall be utilized for surface leveling to a thickness equal to or greater than the existing friction coarse material. The milling limits are 50-foot of the patch along the longitudinal path of the lane, full lane width and to include any adjacent bike lanes, shared path or urban shoulder sections.

24. Any disruptions to any permeable pedestrian way and bike lane are to be restored as work continues. All patches shall be full width from outside edge of pedestrian path to white line edge of travel lane with stair step (staggered) joints. Restoration to include backfill with existing sub-grade material and #57 stone as base material (compact in 6-inch lifts) to bottom of existing pervious asphalt base, followed by permeable design mix (if available) or FC-5 (Friction Course) mix with a minimum 2-inch and maximum 3-inch lifts. Maintain ingress/egress on all drives and side streets during construction.

25. Any bore pit greater than five (5) feet in depth requires a Sheeting and Shoring Plan as well as a Dewatering Plan.

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PROJECT ENGINEER:	DARIA COSTIN
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DESCRIPTION:	1942 RICHLAND AVE
DRAWING NAME:	U38574 - SULPHER CANAL - 1942 RICHLAND AVE-LA-MSID-1

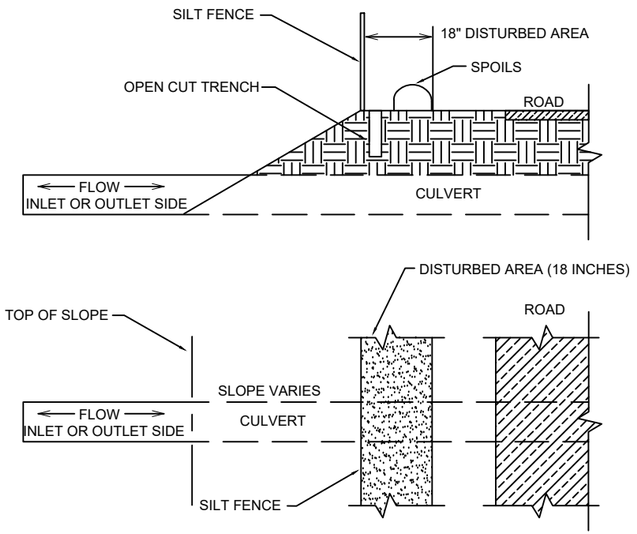
SHEET:
E of 1

CONFIDENTIAL/PROPRIETARY

TYPICALS

CULVERT CUT OVER ON ROADSIDE SHOULDER

NOT TO SCALE



GENERAL NOTES

1. INSTALL SILT FENCE TO PROTECT DOWNSTREAM AREAS FROM SEDIMENTATION PRIOR TO CONSTRUCTION.
2. INSTALL SILT FENCE AS NEEDED TO PROTECT DRAINAGE FEATURES, BUT NO LESS THAN 10' ON EITHER SIDE OF CULVERT.

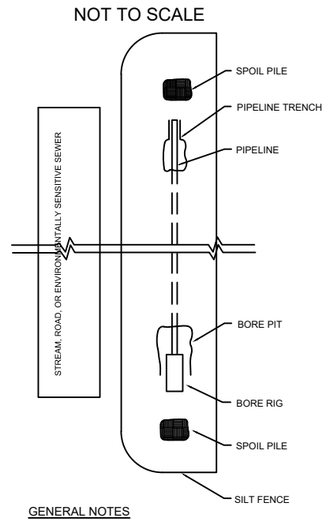
MAINTENANCE NOTES

INSPECT CULVERT CROSSING STRUCTURES WEEKLY AND AFTER EACH SIGNIFICANT RAINFALL EVENT (0.5" OR GREATER) TO SEE IF ANY EROSION AROUND OR BELOW THE SILT FENCE HAS OCCURRED, IMMEDIATELY MAKE ALL NEEDED REPAIRS TO PREVENT FURTHER DAMAGE.

*REF: 6.41.5 NC Erosion and Sediment Control Planning and Design Manual, 2006

DIRECTIONAL BORE DETAIL (PARALLEL)

NOT TO SCALE

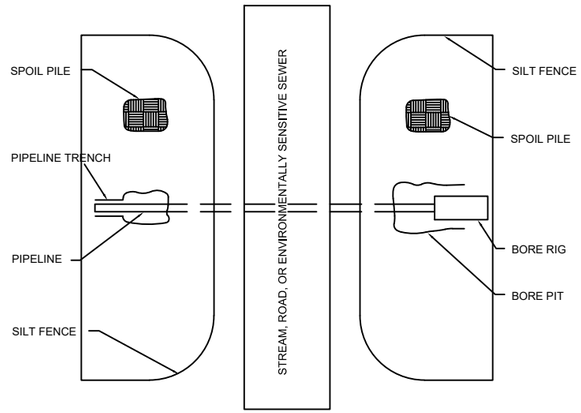


GENERAL NOTES

1. BORE PITS AND SPOILS PILES SHALL BE ENCLOSED ON THREE SIDES AS SHOWN WITH SILT FENCE

DIRECTIONAL BORE DETAIL (TRAVERSE)

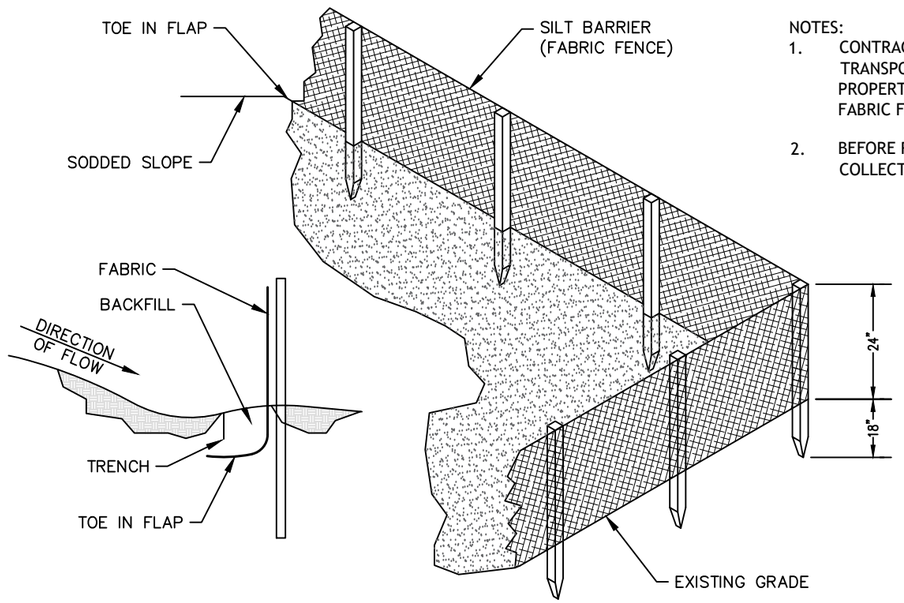
NOT TO SCALE



GENERAL NOTES

1. BORE PITS AND SPOILS PILES SHALL BE ENCLOSED ON THREE SIDES AS SHOWN WITH SILT FENCE

FABRIC FENCE SILT - BARRIER



NOTES:

1. CONTRACTOR IS REQUIRED TO PREVENT ANY SEDIMENT TRANSPORT FROM THE PROJECT SITE ON TO ADJACENT PROPERTY. INSTALLATION OF EITHER BALED HAY OR FABRIC FENCE TYPE SILT BARRIER IS ACCEPTABLE.
2. BEFORE REMOVING SILT BARRIER, CONTRACTOR SHALL COLLECT AND DISPOSE OF ANY ACCUMULATED SILT.

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PROJECT ENGINEER:	DARIA COSTIN
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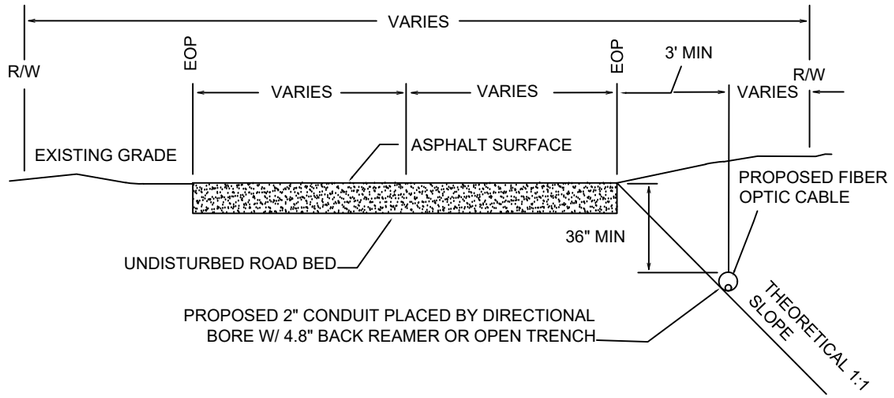
SHEET: F of 1

CONFIDENTIAL/PROPRIETARY

TYPICALS

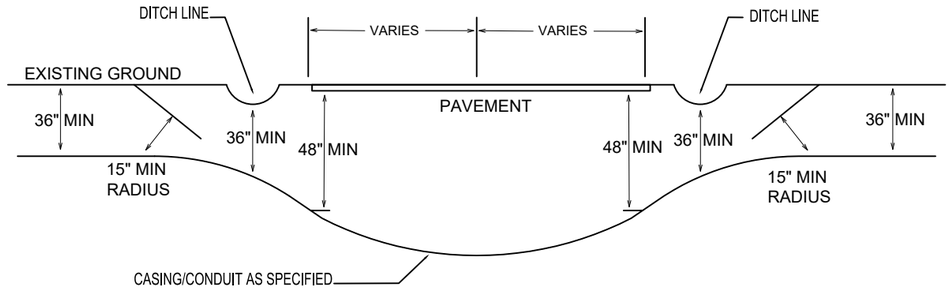
PARALLEL CONDUIT DETAIL FOR FDOT RIGHT-OF-WAY

NOT TO SCALE



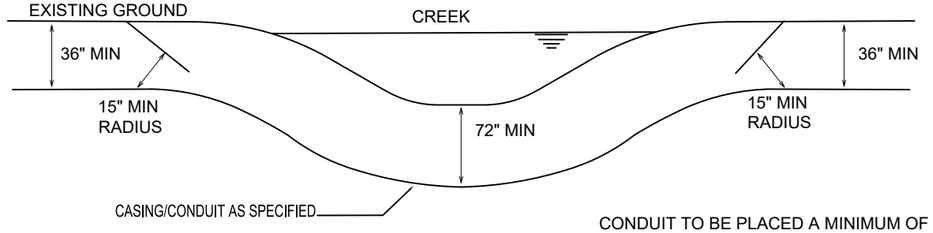
DIRECTIONAL BORE UNDER SECONDARY ROADWAY

NOT TO SCALE



DIRECTIONAL BORE UNDER CREEK BED

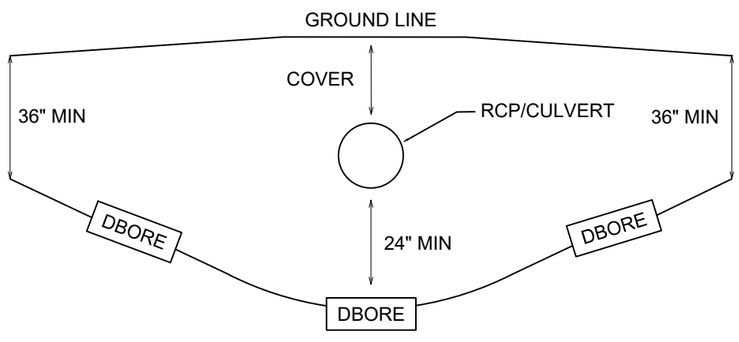
NOT TO SCALE



CONDUIT TO BE PLACED A MINIMUM OF 6 FEET BELOW CREEK BED

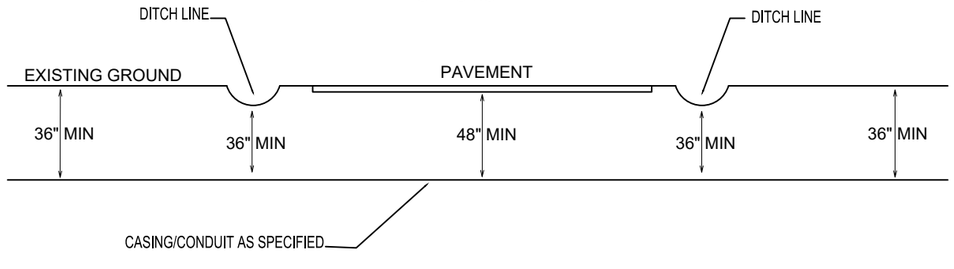
CULVERT CROSSING DETAIL

NOT TO SCALE



DRY BORE UNDER ROADWAY

NOT TO SCALE



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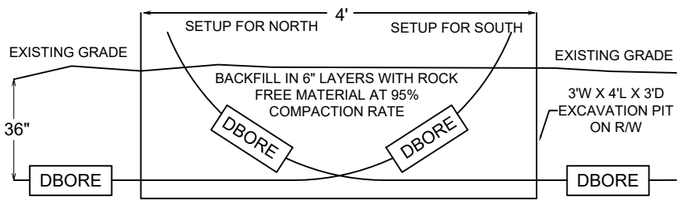
TYPICALS

DIRECTIONAL BORE TIE-IN DETAIL

NOT TO SCALE

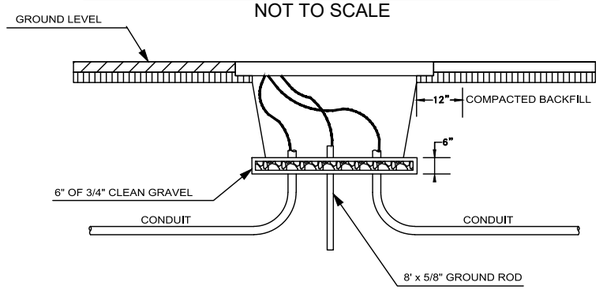


TIE-IN STATION

- BORE FROM EACH DIRECTION IS RUN AT DESIGN DEPTH TO 2 FEET PAST THE INTENDED TIE-IN. THEN TURNED UP TO DAYLIGHT.
- THE TIE-IN POINT IS EXCAVATED. THE CONDUITS CUT OFF WHERE THEY CROSS EACH OTHER AT DESIGN DEPTH, AND A COUPLER IS INSTALLED TO CONNECT THE TWO CONDUITS AT THE DESIGN DEPTH.
- ALL EXCAVATIONS OR TRENCHES 4 FEET OR GREATER IN DEPTH SHALL BE APPROPRIATELY BENCHED, SHORED, OR SLOPED IN OSHA'S EXCAVATION STANDARD, 29 CFR 1926.650, .651, AND .652

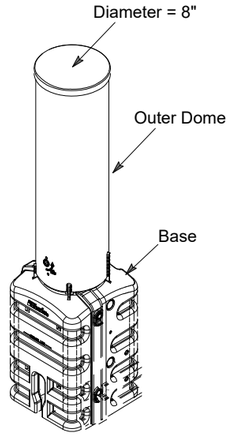
PULL BOX HANDHOLE

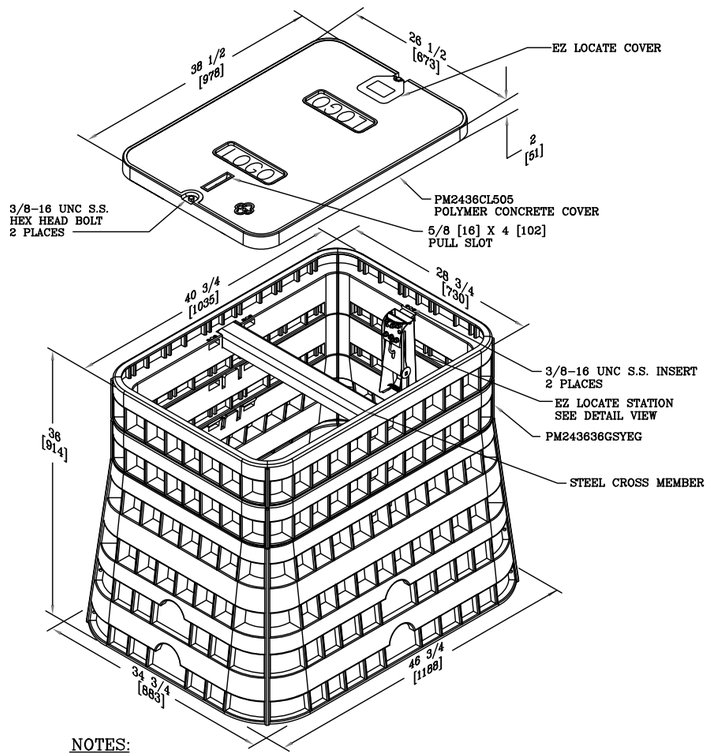
NOT TO SCALE



ALL EXCAVATIONS OR TRENCHES 4 FEET OR GREATER IN DEPTH SHALL BE APPROPRIATELY BENCHED, SHORED, OR SLOPED ACCORDING TO THE PROCEDURES AND REQUIREMENTS SET FORTH IN OSHA'S EXCAVATION STANDARD, 29 CFR 1926.650, .651, AND .652.

BDO204-EG

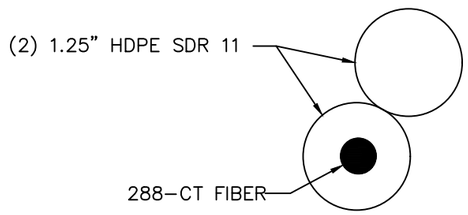




NOTES:

1. BOX MATERIAL TO BE HDPE PLASTIC, COVER MATERIAL TO BE POLYMER CONCRETE.
2. COLOR TO BE GREY.
3. THIS ASSEMBLY HAS A LOAD RATING OF 20,000 LBS. [88,960 N].

PIPE DETAIL



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TEP

5906 BRECKENRIDGE PKWY, SUITE A
TAMPA, FL 33610

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REV	DESCRIPTION	INITIALS	DATE
0	ORIGINAL	DC	05/20/2026

TEP OPCO, LLC FL COA# 31011

JOSHUA H. CARDEN LICENSE No 83511 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 20th, 2026

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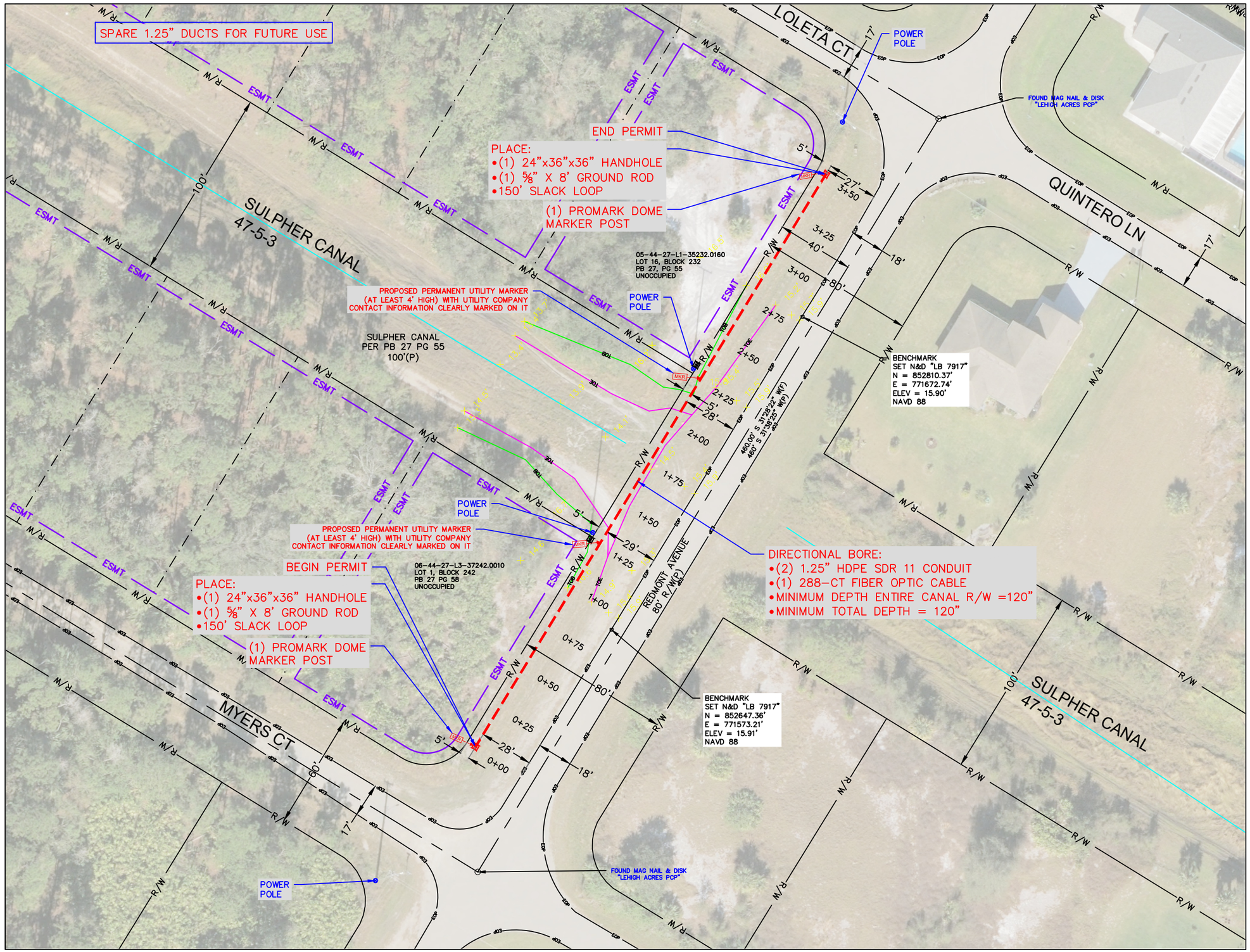
SHEET TITLE: TYPICALS

PROJECT MANAGER:	SHAINE HERRICK
PROJECT ENGINEER:	DARIA COSTIN
PROJECT NUMBER:	U38574
DESCRIPTION:	1942 RICHLAND AVE
DRAWING NAME:	U38574 - SULPHER CANAL - 1942 RICHLAND AVE-LA-MSID-1

SHEET: H of 1

CONFIDENTIAL/PROPRIETARY



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TEP

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TAMPA, FL 33610

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0 10' 20' 30' 40' 50'
SCALE: 1"=50'

N

811 Know what's below Call before you dig.

REV	DESCRIPTION	INITIALS	DATE
0	ORIGINAL	DC	05/20/2026

TEP OPCO, LLC FL COA# 31011

JOSHUA H. CARDEN LICENSE No 83511 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 20th, 2026

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SHEET TITLE:
PROJECT SHEET

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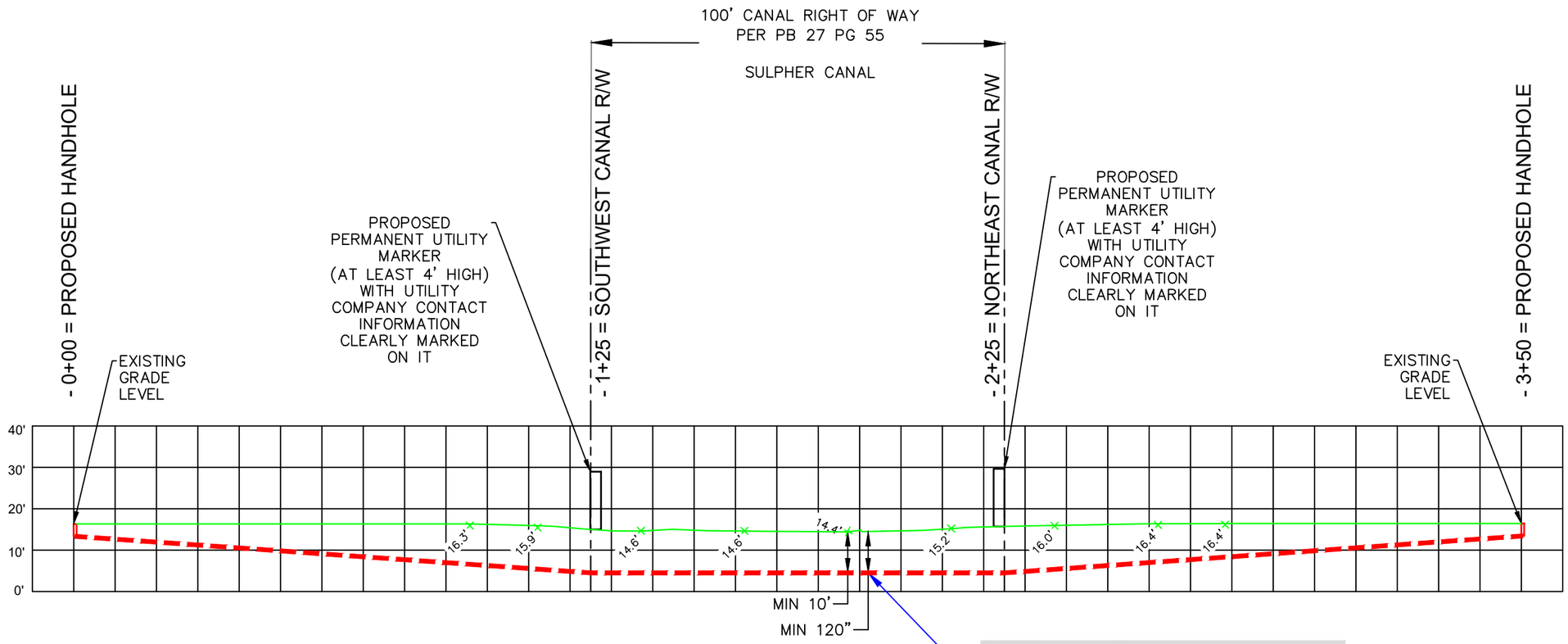
PROJECT ENGINEER:	DARIA COSTIN
PROJECT NUMBER:	U38574
DESCRIPTION:	1942 RICHLAND AVE
DRAWING NAME:	U38574 - SULPHER CANAL - 1942 RICHLAND AVE-LA-MSID-1
SHEET:	1 of 1

CONFIDENTIAL/PROPRIETARY

SUB-GRADE VERTICAL PROFILE VIEW
REDMONT AVE
FACING NORTHWEST



UTILITY NOTE:

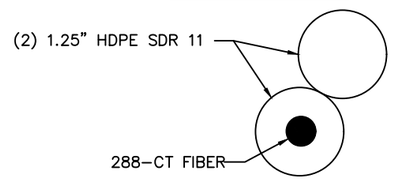
EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND BASED ON AVAILABLE RECORDS, VERBAL INFORMATION AND/OR PHYSICAL FEATURES. PRIOR TO CONSTRUCTION (AT LEAST 72 HOURS OR THE MORE RESTRICTIVE MINIMUM NOTIFICATION PERIOD), THE CONTRACTOR SHALL CONTACT SUNSHINE 811 TO ALLOW MARKING OF EXISTING BURIED UTILITIES WITHIN THE SCOPE OF THE PROPOSED WORKZONE.

NOTE:

BORE MUST BE 10' BELOW THE LOWEST PIPE INVERT OR THE CANAL BOTTOM, WHICHEVER IS LOWEST, FOR THE ENTIRE 100' WIDE CANAL RIGHT OF WAY.

ALL CANAL RIGHT OF WAY THAT IS DISTURBED MUST BE RESTORED WITH SOD AND MAINTAINED UNTIL WELL ESTABLISHED. NO SEEDING WILL BE ALLOWED.

PIPE DETAIL



NOTE:

BORE TO MAINTAIN A MINIMUM DEPTH OF 48" BELOW GRADE AND A MINIMUM DEPTH OF 48" BELOW TOP OF ROADWAY. A MINIMUM OF 30" SEPARATION SHALL BE MAINTAINED FROM ALL EXISTING UTILITIES, ITS/ATMS, AND STORM DRAIN SYSTEMS UNLESS SUPERVISED. NO BACK REAMER REQUIRED DUE TO SIZE OF 4" BIT. SOFT DIGS &/OR POTHOLING MAY BE REQUIRED BY CONTRACTOR TO IDENTIFY EXISTING UTILITY DEPTHS.

lumos

TEP

5906 BRECKENRIDGE PKWY, SUITE A
TAMPA, FL 33610

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0 10' 20' 30'
SCALE: 1"=30'

N

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TEP OPCO, LLC FL COA# 31011

JOSHUA H. CARDEN LICENSE No 83511 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 20th, 2026

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SHEET TITLE:
PROJECT SHEET

PROJECT MANAGER:	SHAINE HERRICK
PROJECT ENGINEER:	DARIA COSTIN
PROJECT NUMBER:	U38574
DESCRIPTION:	1942 RICHLAND AVE
DRAWING NAME:	U38574 - SULPHER CANAL - 1942 RICHLAND AVE-LA-MSID-1
SHEET:	1A of 1

CONFIDENTIAL/PROPRIETARY

STREET LEVEL VIEW
STA 1+25
FACING NORTHEAST



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SCALE = N.T.S.

N

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DRAWING NAME:	U38574 - SULPHER CANAL - 1942 RICHLAND AVE-LA-MSID-1

SHEET: I1 of 1

CONFIDENTIAL/PROPRIETARY

STREET LEVEL VIEW
STA 2+25
FACING SOUTHWEST



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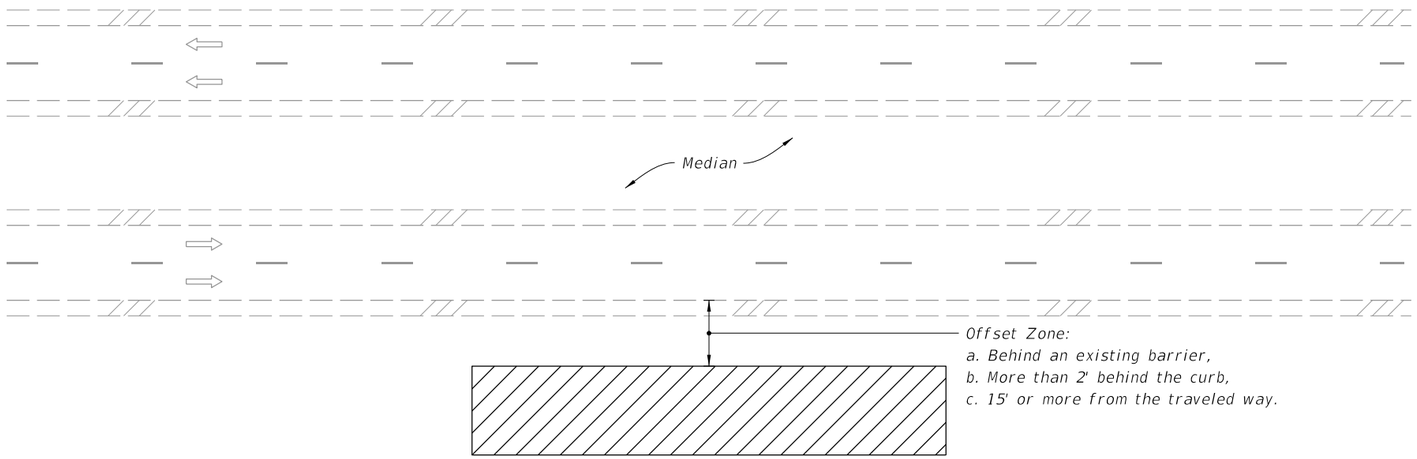
SHEET: I2 of 1

CONFIDENTIAL/PROPRIETARY



MULTILANE ROADWAY SHOWN, TWO-LANE ROADWAY SIMILAR

NOTES:

1. This Index applies to Two-Lane, Two-Way and Multilane Roadways, including Medians of divided roadways, with work beyond the shoulder.

2. Use Index 102-602 when the work operation (excluding establishing and terminating the work area) requires that two or more work vehicles cross the Offset Zone in any one hour period.

3. Use Index 102-660 when Work Area encroaches a Sidewalk.

SYMBOLS:

Work Area

Lane Identification and Direction of Traffic

9/10/2024 10:45:01 AM

LAST REVISION	REVISION	DESCRIPTION:			INDEX	SHEET
11/01/20			FY 2025-26 STANDARD PLANS	TWO-LANE AND MULTILANE ROADWAY, WORK BEYOND THE SHOULDER	102-601	1 of 1

NOTE:

1. This Index applies to Two-Lane, Two-Way and Multilane Roadways, including Medians of divided roadways, with work on the shoulder.

2. L = Taper Length
   X = Work Zone Sign Spacing
   B = Buffer Length
   See Index 102-600 for "L", "X", "B", and channelizing device spacing values.

3. Where work activities are between 2' and 15' from the edge of traveled way, the Engineer may omit signs and channelizing devices for work operations 60 minutes or less.

4. When four or more work vehicles enter the through traffic lanes in a one hour period (excluding establishing and terminating the work area), use a flagger or lane closure to accommodate work vehicle ingress and egress.

5. For work less than 2' from the traveled way and work zone speed is greater than 45 MPH, use a lane closure.

6. The "Speeding Fines Doubled When Workers Present" signs (M0T-13-06) and "End Road Work" Signs (G20-2) along with the associated work zone sign spacing distances may be omitted when the work operation is in place for 24 hours or less.

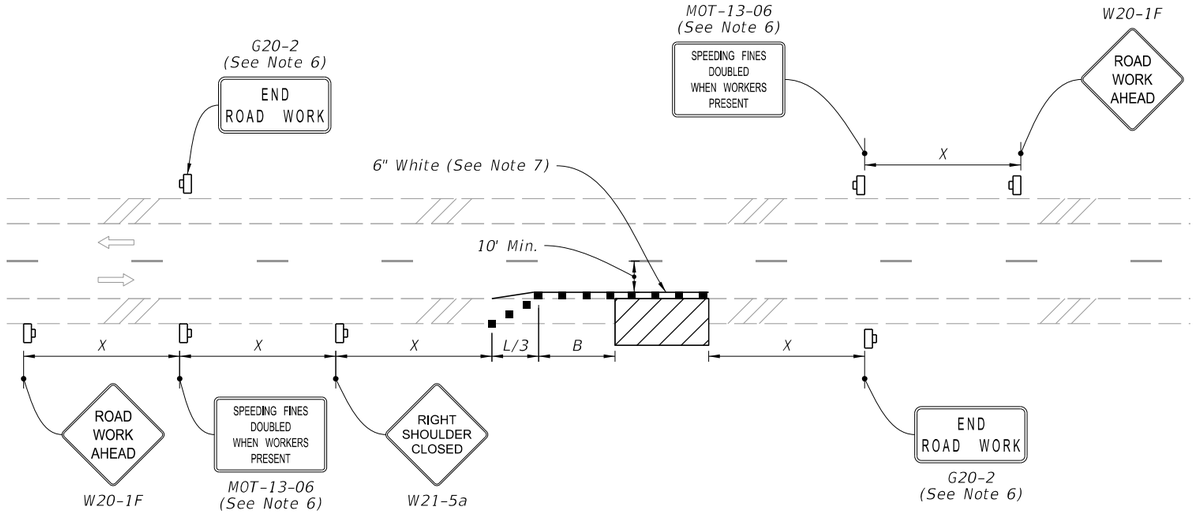
7. Temporary pavement markings may be omitted when the work operation is in place for 3 days or less.

8. Omit "Shoulder Closed" signs (W21-5a) along with associated work zone sign spacing distances for work on the median.

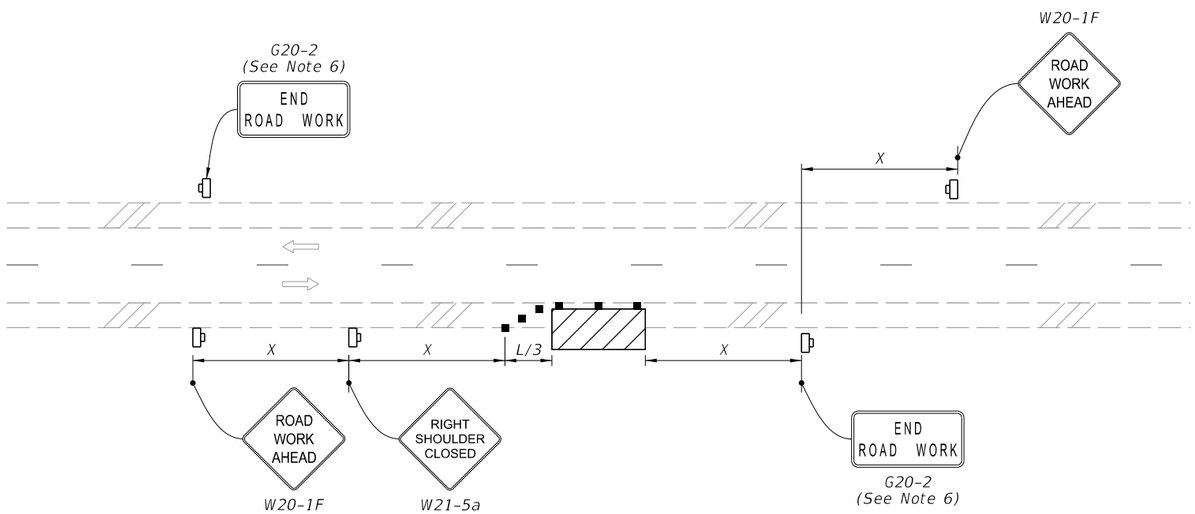
9. When there is no paved shoulder, the "Worker" sign (W21-1) may be used instead of the "Shoulder Closed" sign (W21-5a).

SYMBOLS:

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Lane Identification and Direction of Traffic



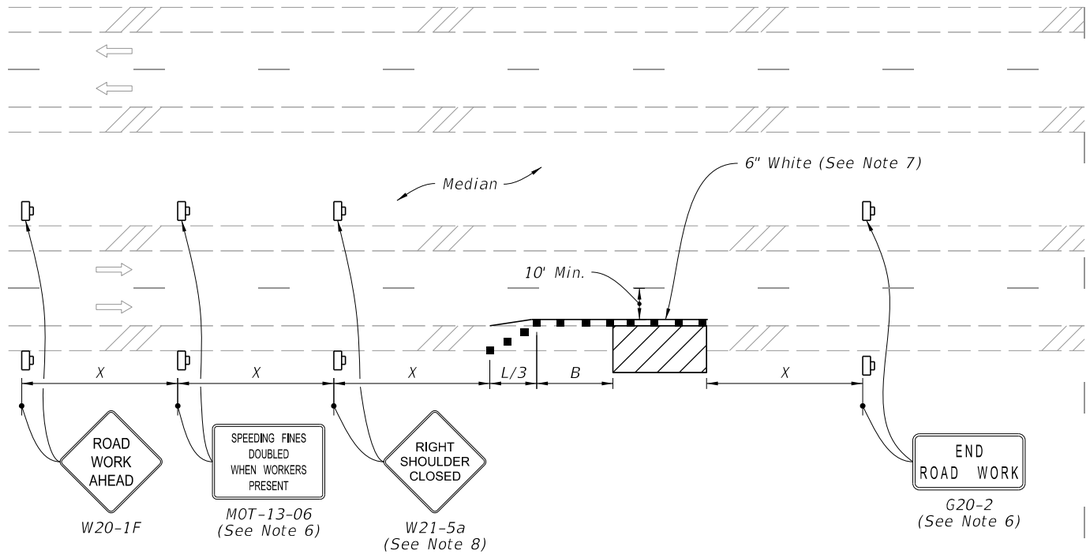
TWO-LANE ROADWAY
SHOULDER WORK LESS THAN 2' FROM THE TRAVELED WAY
WITH WORK ZONE SPEED OF 45 MPH OR LESS



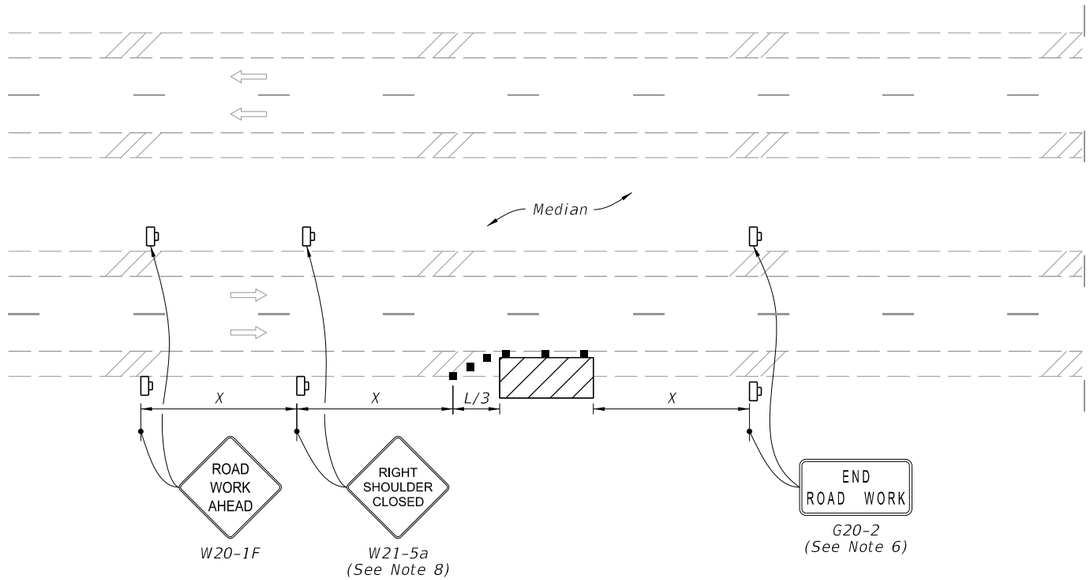
TWO-LANE ROADWAY
SHOULDER WORK BETWEEN 2' AND 15' FROM THE TRAVELED WAY

9/10/2024 10:45:37 AM

LAST REVISION	REVISION	DESCRIPTION:			INDEX	SHEET
11/01/21			FY 2025-26 STANDARD PLANS	TWO-LANE AND MULTILANE, WORK ON SHOULDER	102-602	1 of 2



MULTILANE ROADWAY
SHOULDER WORK LESS THAN 2' FROM THE TRAVELED WAY
WITH WORK ZONE SPEED OF 45 MPH OR LESS



MULTILANE ROADWAY
SHOULDER WORK BETWEEN 2' AND 15' FROM THE TRAVELED WAY

SYMBOLS:

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Lane Identification and Direction of Traffic

9/10/2024 10:45:44 AM

LAST REVISION	REVISION	DESCRIPTION:				
11/01/20			FY 2025-26 STANDARD PLANS	TWO-LANE AND MULTILANE, WORK ON SHOULDER	INDEX 102-602	SHEET 2 of 2

NOTES:

1. Cover or deactivate pedestrian traffic signal display(s) controlling closed crosswalks.

2. Place pedestrian LCDs across the full width of the closed sidewalk.

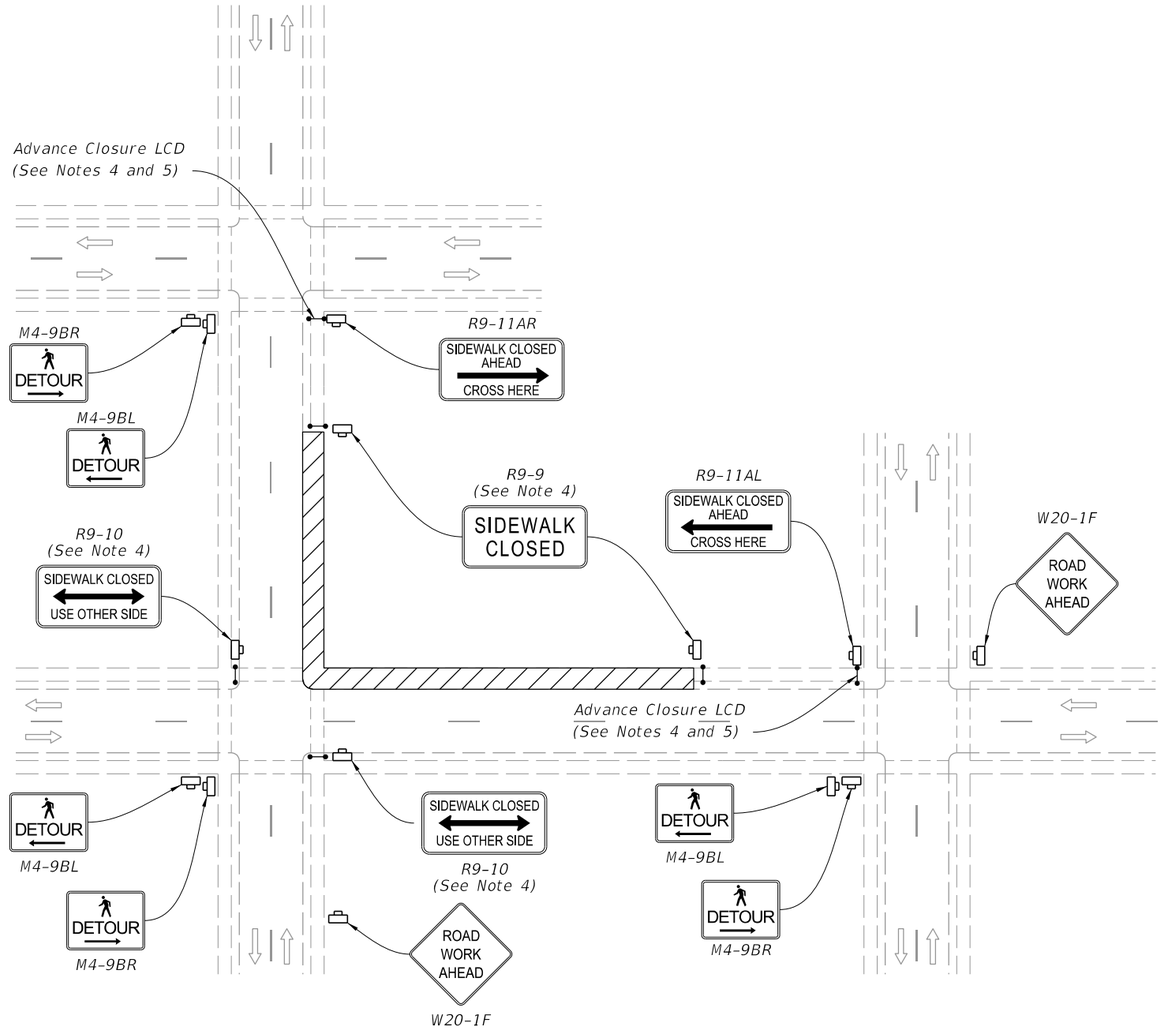
3. For post mounted signs located near or adjacent to a sidewalk, maintain a minimum 7' clearance from the bottom of the sign panel to the surface of the sidewalk.

4. "Sidewalk Closed" signs (R9-XX) may be mounted on pedestrian LCDs in accordance with the manufacturer's instructions.

5. Omit the Advance Closure LCD if it blocks access to other pedestrian facilities (e,g,, transit stops, residences, or business entrances).

SYMBOLS:

- Work Area
- Work Zone Sign
- Pedestrian Longitudinal Channelizing Device (LCD)
- Lane Identification and Direction of Traffic



PEDESTRIAN DETOUR

9/10/2024 11:11:04 AM

LAST REVISION	REVISION	DESCRIPTION:				
11/01/20			FY 2025-26 STANDARD PLANS	SIDEWALK CLOSURE	INDEX 102-660	SHEET 1 of 2

NOTES:

1. L = Taper Length
   B = Buffer Length
   X = Work Zone Sign Distance
   See Index 102-600 for "L", "B", "X", channelizing device spacing values.

2. Provide a 5' wide temporary pedestrian way with a maximum cross-slope of 0.02, except where space restrictions warrant a minimum width of 4'. Provide a 5' x 5' passing space for temporary pedestrian ways less than 5' in width at intervals not to exceed 200'.

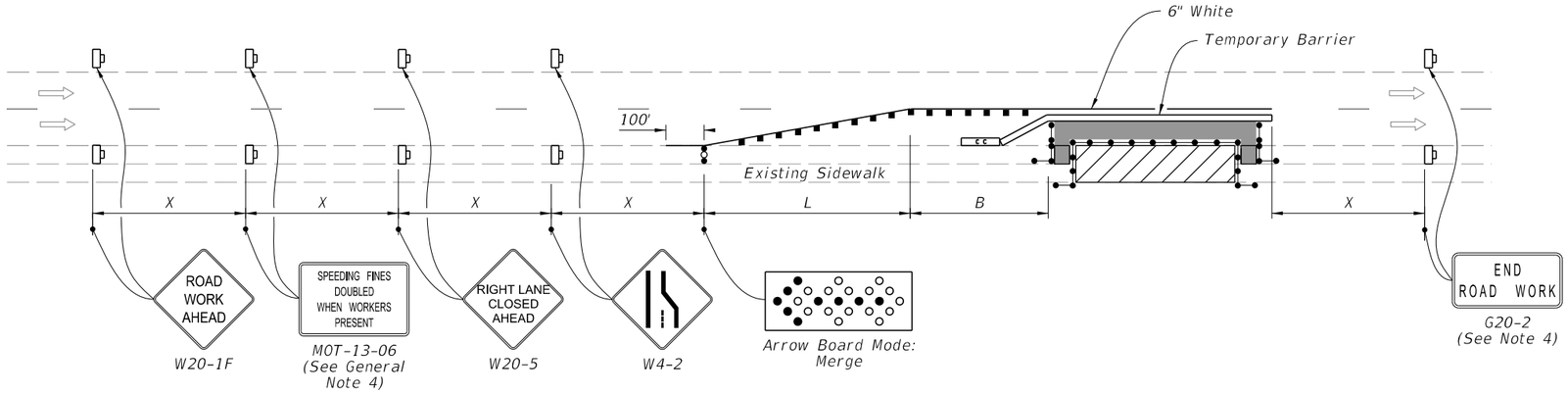
3. When temporary pedestrian ways require curb ramps, meet the requirements of Index 522-002. Detectable warnings are not required for curb ramps diverting pedestrian traffic into a closed lane.

4. The "Speeding Fines Doubled When Workers Present" signs (MOT-13-06) and "End Road Work" signs (G20-2), along with associated work zone sign distances, may be omitted when the work operation will be in place for 24 hours or less.

5. Pedestrian Diversion Option 2 may only be used when called for in the Plans or as approved by an Engineer.

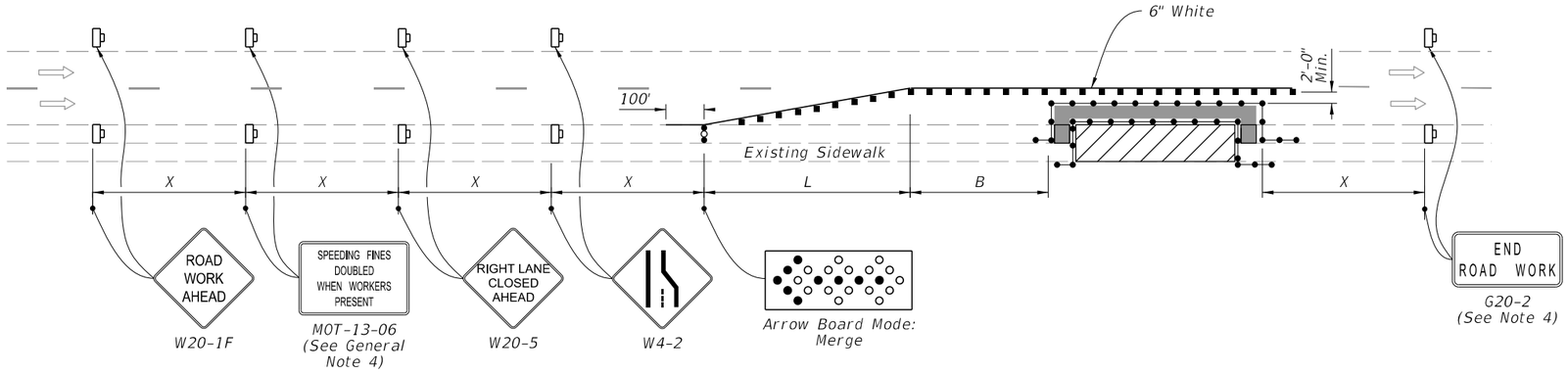
SYMBOLS:

- Work Area
- Temporary Pedestrian Way
- Channelizing Device (See Index 102-600)
- Pedestrian Longitudinal Channelizing Device (LCD)
- Work Zone Sign
- Arrow Board
- Crash Cushion
- Lane Identification and Direction of Traffic



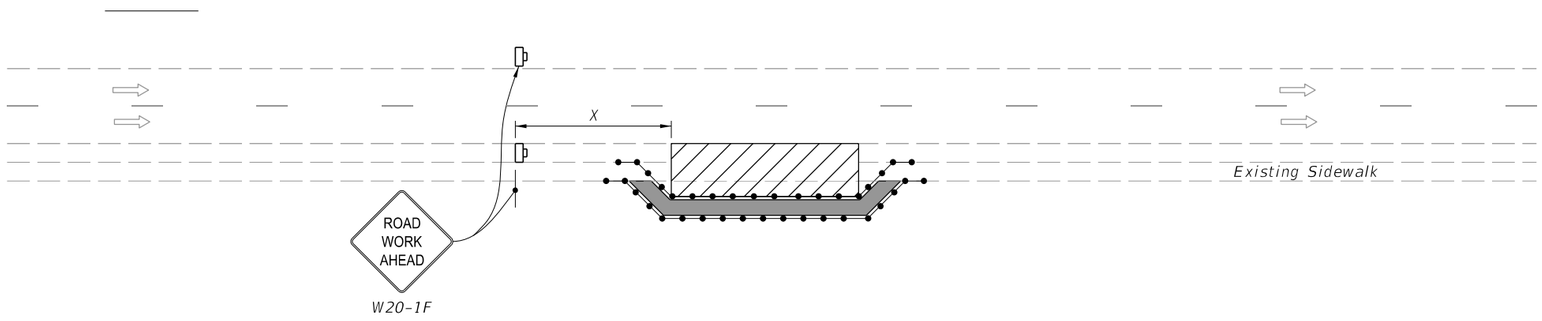
PEDESTRIAN DIVERSION - OPTION 1

(Temporary Barrier Shown, Low Profile Barrier Similar)



PEDESTRIAN DIVERSION - OPTION 2

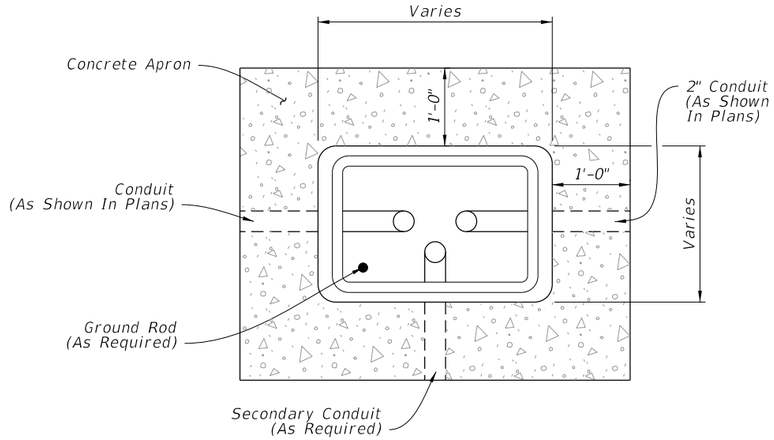
(Work Zone Speed 45 mph or Less)



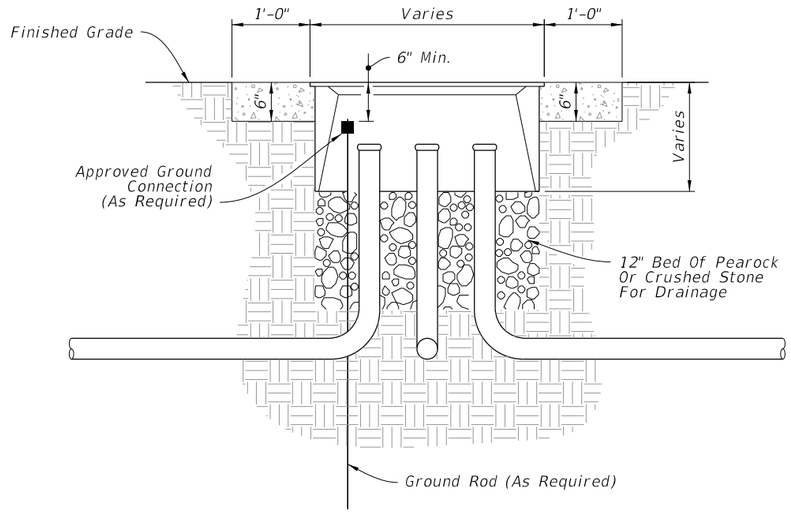
PEDESTRIAN SPECIAL DETOUR

9/10/2024 11:11:11 AM

LAST REVISION	REVISION	DESCRIPTION:			INDEX	SHEET
11/01/23			FY 2025-26 STANDARD PLANS	SIDEWALK CLOSURE	102-660	2 of 2

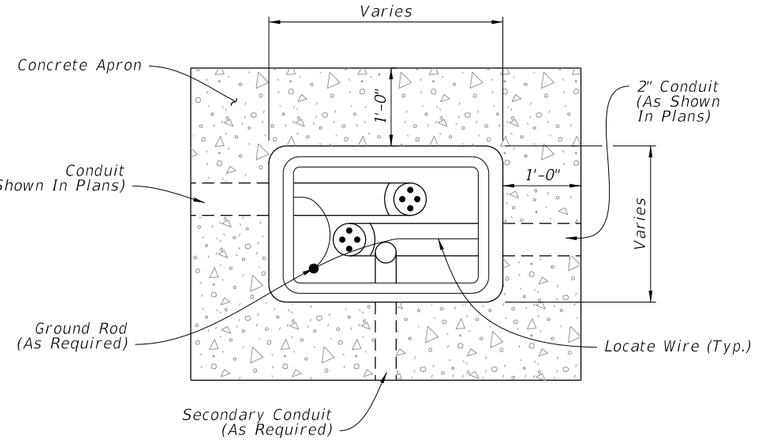


PLAN

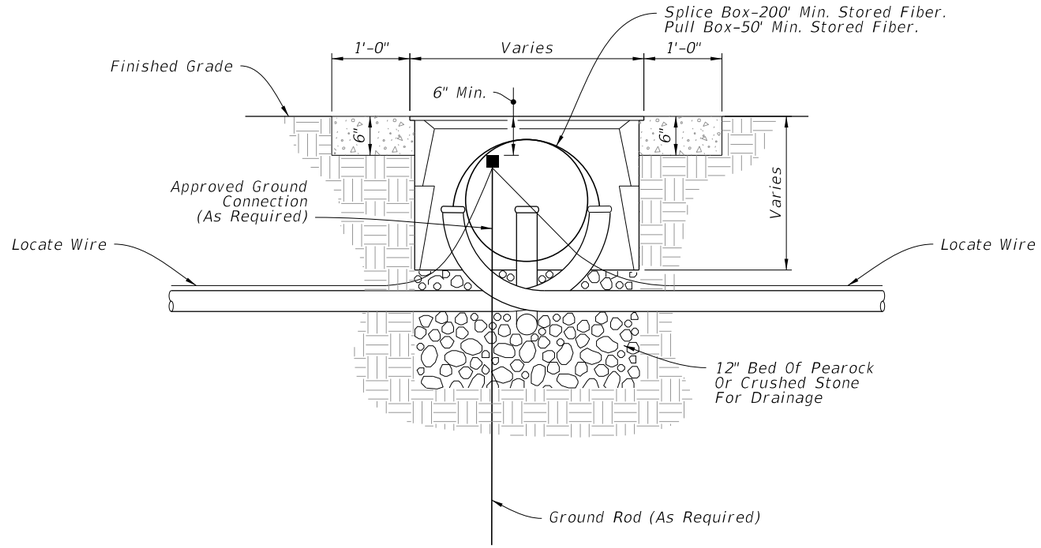


ELEVATION

PULL BOX



PLAN



ELEVATION

FIBER OPTIC BOX

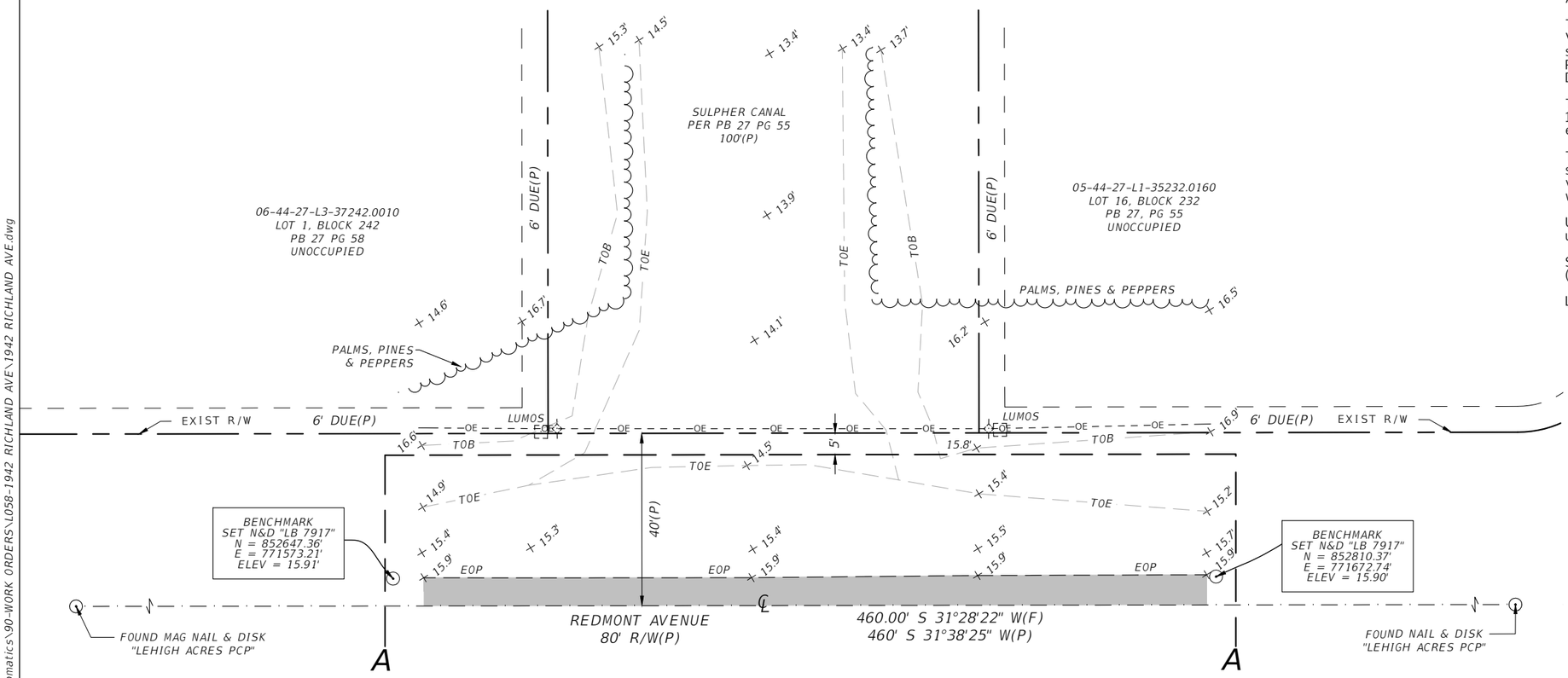
NOTES:

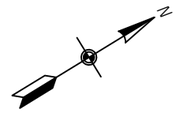
1. Provide fiber optic splice boxes with cable hanger racks designed to support cables and splice enclosures.
2. Install a 1'-0" wide (Min.) concrete apron around all boxes using Class NS concrete. Slope the apron away from the box.
3. Where multiple pull boxes are placed side by side, maintain at least 8" between the pull boxes.
4. Rectangular boxes shown, others similar.

9/10/2024 2:16:11 PM

LAST REVISION	REVISION	DESCRIPTION:	FY 2025-26 STANDARD PLANS	PULL AND SPLICE BOXES	INDEX	SHEET
11/01/18					635-001	1 of 1

SEE SHEET 02 FOR 1" = 20'
SECTION A-A PROFILE VIEW





Topographic Survey of a Subject Project Site

lying within

Section 05 & 06, Township 44 South, Range 27 East
Lehigh Acres, Lee County, Florida

NOTES:

Survey based on the plat of Unit 35 & North Part Unit 37 Greenbriar as recorded in Plat Book 27 Pages 55 & 58, Public Records of Lee County, Florida and existing monumentation.

This survey prepared as a Topographic Survey for the purpose of locating the features within and adjacent to the Lehigh Acres Municipal Services Improvement District-managed facility Northwest of Redmont Avenue between Myers Court and Quintero Lane.

The elevations shown hereon are referenced to the North American Vertical Datum of 1988 (NAVD 1988). All elevations are reported in US survey feet and decimals thereof and are based upon the Florida Permanent Reference Network (FPRN) stations maintained by the Florida Department of Transportation.

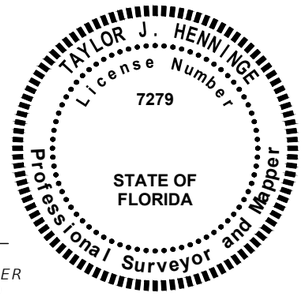
The subject site lies within Zone "X" per FEMA insurance rate map 125124 0317F (Published 08/28/2008), therefore has no base flood elevation.

The FEMA flood zone information indicated hereon is based on the maps supplied by the Federal Government. This flood information must be verified with all permitting regulatory entities prior to commencing any work or application dependent on said flood information.

Underground improvements, utilities and/or foundations were not located unless otherwise noted. Wetlands, if any, were not located.

Subject to easements, restrictions, reservations, and rights-of-way (recorded and unrecorded, written and unwritten).

Last day of field work: 12/31/2025



TAYLOR J. HENNINGE
PROFESSIONAL SURVEYOR AND MAPPER
FLORIDA CERTIFICATE NO. LS# 7279

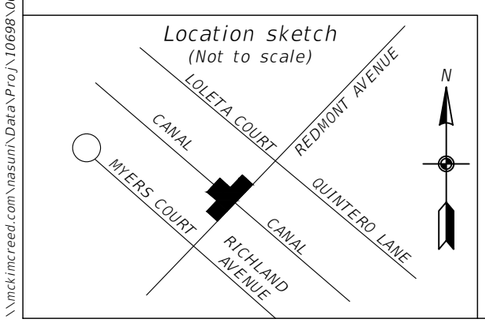
Not valid without the signature and the original seal of a Florida licensed surveyor and mapper.

This survey is only for the lands as described. It is not a certificate of title, zoning, easements or freedom of encumbrances.

This survey was prepared without benefit of an abstract of title and all matters of title should be referred to an attorney at law.

This survey has been electronically signed and sealed by Taylor J. Henninge using a digital signature and date. Print copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Richland Avenue, Lehigh Acres



LEGEND:

(P)	= PER PLAT	N&D	= NAIL AND DISK
(F)	= FIELD MEASURED	NAVD 88	= NORTH AMERICAN VERTICAL DATUM 1988
CB	= CATCH BASIN	OR	= OFFICIAL RECORDS BOOK
Δ	= DELTA ANGLE	PB	= PLAT BOOK
℄	= CENTER LINE	PG	= PAGE
CONC	= CONCRETE	R/W	= RIGHT OF WAY
CMP	= CORRUGATED METAL PIPE	RCP	= REINFORCED CONCRETE PIPE
CPP	= CORRUGATED PLASTIC PIPE	RNG	= RANGE
DUE	= DRAINAGE AND UTILITY EASEMENT	S/W	= SIDEWALK
ELEV	= ELEVATION	SEC	= SECTION
EOP	= EDGE OF PAVEMENT	TOB	= TOP OF BANK
EXIST	= EXISTING	TOE	= TOE OF SLOPE
FIRC	= FOUND IRON ROD AND CAP	TWP	= TOWNSHIP
INST#	= INSTRUMENT NUMBER	(TYP)	= TYPICAL
INV	= INVERT ELEVATION		

⊙	= FOUND MONUMENT
-OE-	= OVERHEAD UTILITY LINE
+20.0	= SPOT ELEVATION
⊡	= WIRE PULL BOX
○	= POWER POLE
⟋	= GUY ANCHOR

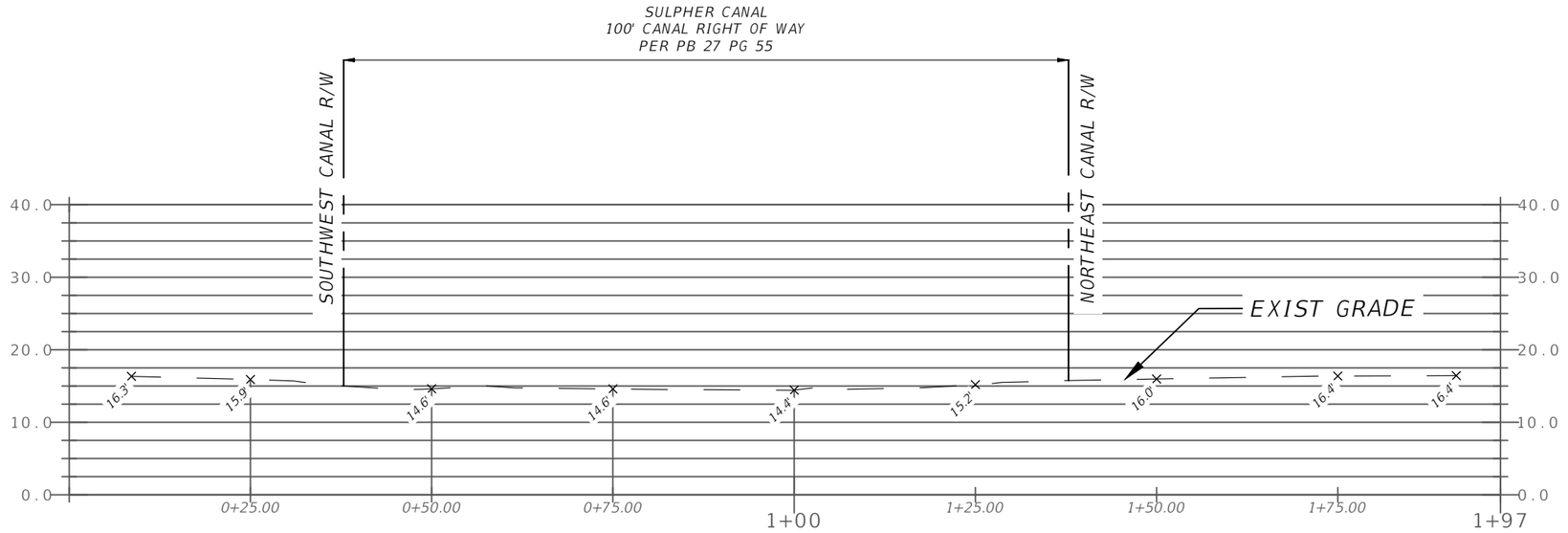
TOPOGRAPHIC SURVEY-PLAN VIEW

McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name: 1942 RICHLAND AVE.dwg	Field book/page: 106981-3/28	Project No.: 106980001-L058	
Survey date: 12/31/2025	Drawn by: JRB	Checked by: TJH	Sheet No.: 01 OF 02

\\mckimcreed.com\nasuni\Data\Proj\10698\0001\Geomatics\90-WORK ORDERS\L058-1942 RICHLAND AVE\1942 RICHLAND AVE.dwg

Topographic Survey of a
Subject Project Site
Section 05 & 06, Township 44 South, Range 27 East
Lehigh Acres, Lee County, Florida



A-A Profile View
1" = 20' HORIZONTAL
1" = 20' VERTICAL

SEE SHEET 01 FOR LEGEND

Richland Avenue, Lehigh Acres

TOPOGRAPHIC SURVEY-PROFILE VIEW

McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name:	Field book/page:	Project No.:
1942 RICHLAND AVE.dwg	106981-3/28	106980001-L058

Survey date:	Drawn by:	Checked by:	Sheet No.:
12/31/2025	JRB	TJH	02 OF 02

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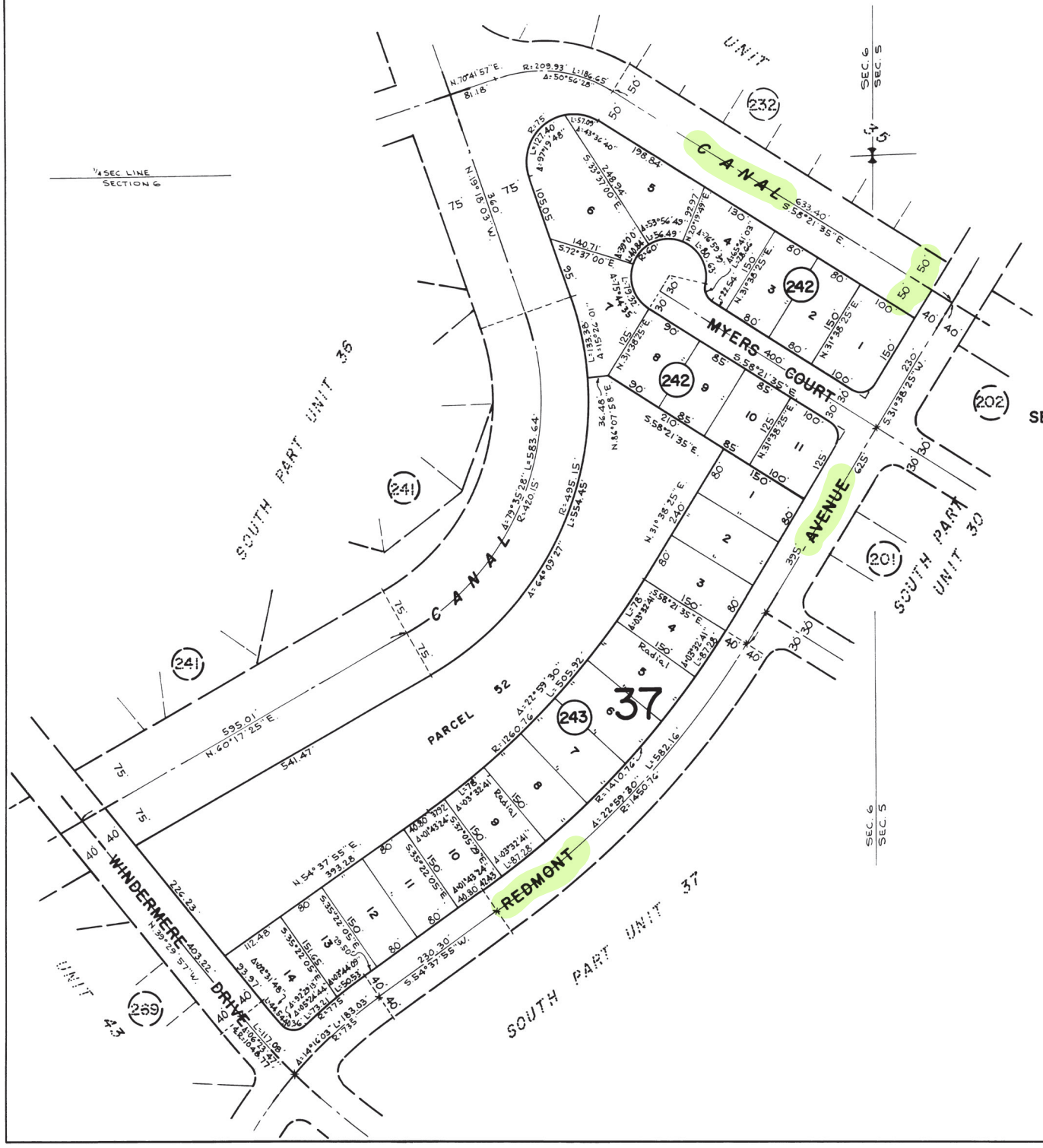
PLAT BOOK 27 PAGE 58



PLAT OF
NORTH PART UNIT 37 GREENBRIAR
SECTION 5 & 6, TWP. 44S., RGE. 27E.

A SUBDIVISION OF

LEHIGH ACRES

LEE COUNTY, FLORIDA

100 50 0 100 200

SCALE IN FEET

All lots & parcels subject to a 6 foot Utility and Drainage Easement on both sides, front, and back.

All corner lot radii are 25 feet except as shown and the lot dimensions are to the straight line intersections, except where arc distances are shown.

PART IV #26-100

Recommended Action

Engineering Review:

By: _____6/18/2026 **Approved _X_ Denied __**

District Field Review:

By: _____ Approved ___ Denied ___

District Manager: _____ Date: _____

Comments:

The referenced permit application submitted by Lumos Fiber of Florida, LLC for a subaqueous crossing Sulpher Canal (47-5-3) at 1942 Richland Ave., in Lehigh Acres, has been reviewed and is recommended for approval with the following stipulations:

1. On sheet 8 of the plans, the culvert crossing detail specifies 24" minimum offset from culvert, if the detail is depicting a canal crossing, the offset should be 120" or 10'. If not, please include a note to clarify that the details do not apply to LA-MSID canal crossing.

2. Permanent above-ground cable markers must be placed at the canal right-of-way (R/W) line on each side of the crossing.

3. Any disturbed canal R/W must be restored with sod and maintained until fully established. Seeding will not be permitted.

4. Within 30 days of completing the improvements, provide LA-MSID with a copy of the survey record drawings indicating the location and elevation of utilities within the canal R/W.

5. The permittee will be responsible for any necessary repairs, alterations, or relocation of the utility if required for future maintenance or repairs of the canal.

6. Lee County DOT must review and approve any utility work proposed within the County Road R/W.

LEHIGH ACRES - MUNICIPAL SERVICES IMPROVEMENT DISTRICT PERMIT

THIS PERMIT is granted this 20th day of July, 2026, by Lehigh Acres Municipal Services Improvement District (hereinafter referred to as "DISTRICT"), 601 East County Lane, Lehigh Acres, Florida 33936, to Lumos Fiber of Florida, LLC, 4100 Mendenhall Oaks Parkway, Suite 300, High Point, NC 27265, hereinafter referred to as the "Permittee") as a non-exclusive permit for a directional bore under Swallowtail Canal (47-5-5), along the west side of Roderick Ln., between Woodman Dr. & Windermere Dr., in Lehigh Acres, FL.

W I T N E S S E T H:

1. In the event the DISTRICT is not the fee title owner of the real property (the "Property") to which this Permit is applicable, the Permittee agrees, prior to commencement, to obtain all necessary consents from the fee title owners of the Property.

2. This Permit does not constitute a waiver of the necessity by the Permittee to obtain such other necessary and appropriate permits required by other governmental bodies or agencies; therefore the Permittee, prior to commencement, is required to obtain any and all other applicable federal, state, and local permits required in connection with Permittee's use of the Property and agrees that at all times it will comply with the requirements of all federal, state and local laws, ordinances, rules and regulations applicable or pertaining to the use of the Property by the Permittee.

3. Permittee understands and agrees that the use of the Property pursuant to this Permit is subordinate to the rights and interests of the DISTRICT and to the extent applicable that of the fee title owner of the Property. Further, Permittee does hereby stipulate that the Permittee is not relying upon any representations whatsoever by the DISTRICT regarding the DISTRICT'S right, title, interest, or ownership as to the Property for which this Permit is applicable.

4. The Permittee, by accepting this permit, specifically agrees to allow authorized District Personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:
    a. Having access to and copying any records that must be kept under the conditions of the permit:
    b. Reviewing the facility, equipment, practices, or operations regulated or required under this permit; and
    c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or District rules.

5. The DISTRICT specifically reserves the right to maintain its facilities located over, under or upon the Property; to make improvements; add additional facilities; maintain, construct or alter its roads; maintain any facilities, devices, or improvements on the Property which aid in or are necessary to the DISTRICT'S operation; and the right to enter upon the Property at all times for such purposes. Permittee understands that in the exercise of such rights and interest, the DISTRICT may require Permittee, at no cost to DISTRICT, to relocate, alter, or remove the Permittee's facilities and equipment or other improvements made by Permittee pursuant to this Permit which interfere with or prevent the DISTRICT, in the DISTRICT'S opinion, from properly and faithfully constructing, improving and maintaining its facilities. If the Permittee should fail to relocate, alter, or remove the Permittee's facilities, equipment or other improvements made by the Permittee pursuant to this Permit within a reasonable time period following receipt of notice from the DISTRICT requesting same, then in that event the DISTRICT shall have the right to enter upon the lands and make such relocation, alterations or removal of the Permittee's facilities, equipment/or other improvements at no cost to DISTRICT.

6. Permittee agrees that it will not use the Property in any manner which interferes with the DISTRICT'S

use of the Property or causes a hazardous condition to exist.

7. The DISTRICT assumes no responsibility for the ownership, operation and/or maintenance of the Permittee's facilities as permitted herein.

8. The Permittee agrees to backfill any excavation it makes within the Property and to repair or replace (i) any below-grade authorized facilities and features located therein, including but not limited to: water, sewer, stormwater or irrigation facilities, structures or appurtenances and (ii) as to at or above-grade facilities and features, this requirement shall only be applicable to grasses and sod, sidewalks, and roadway improvements (the term roadway improvements shall include but not be limited to curbing, roadway base, sub grade and asphaltic or concrete surfaces) which are removed or damaged as a direct result of said excavation. Such repair or replacement shall substantially restore these features to their condition as it existed immediately prior to the event precipitating the excavation.

9. All below-grade Permittee installations, including water and sewer lines, whether sub aqueous or not, together with appurtenant facilities, shall be located underground and have a minimum ground cover of thirty inches (30") below original design profile grade, including District waterways and roadways.

10. All Permittee activity related to sub aqueous utility, water and/or sewer lines, including appurtenant facilities, shall be conducted in such fashion that the primary functional purpose of the canal or lake body facility, specifically flood control, within which the activity is taking place is not adversely affected. More specifically, sub aqueous construction shall conform to the criteria given in the Lehigh Acres Municipal Services Improvement District (Lehigh Acres – MSID) Administrative Policy and Procedures.

11. Permittee shall, at no expense to DISTRICT and within a reasonable time following notice, adjust the positions and elevations of its facilities as may be required in connection with future improvements to, or construction of, works of the DISTRICT.

12. Permittee does hereby indemnify and hold harmless the DISTRICT, its Board of Commissioners, officers, personnel, and it's Engineers against any claims, losses, damages (including consequential), expenses, or legal fees that might arise out or result from the implementation of the proposed project by the Permittee or that may be caused by a failure of DISTRICT facilities or property.

13. The Permittee shall be obligated at the time of submission of its Permit application, to provide a detail of any other existing improvements located over, under, upon or through the Property and the Permittee's accompanying plans and specifications shall clearly indicate how the Permittee will comply with required clearances between the requested permitted activity and existing improvements located over, under and upon the Property, including compliance with other permitted users duly adopted and published standards.

14. Permittee shall reimburse the DISTRICT for its legal, engineering and other expenses incurred as a result of the implementation of the proposed project.

15. If Permittee should violate any of the terms or conditions of the Permit and shall not correct or remedy same within ten (10) days of receiving written notice of said violation from the DISTRICT, then in that event, the DISTRICT may, at its option, revoke, cancel and terminate this Permit.

16. This Permit may not be assigned by the Permittee without the prior written approval of the DISTRICT.

17. Unless otherwise adjusted, modified or terminated as set forth hereinabove, including the Conditions attached hereto, this Permit shall continue in full force and effect so long as Permittee complies with the

terms of this Permit.

18. In any litigation, including breach, enforcement or interpretation arising out of this Permit, the prevailing party to this Permit shall be entitled to recover reasonable attorney's fees, costs and expenses related to said action from the non-prevailing party.

19. That attached hereto are Supplemental Conditions to this Permit which are incorporated herein and made a part hereof.

LEHIGH ACRES – MUNICIPAL SERVICES IMPROVEMENT DISTRICT

BY: _____

NAME TYPED: David E. Lindsay

TITLE: District Manager

SUPPLEMENTAL CONDITIONS TO PERMIT NO. 26-101

A. GENERAL CONDITIONS

1. Notification shall be given by the Permittee to the District Engineer, AIM Engineering, at 239-332-4569 forty-eight (48) hours prior to commencement of the permitted activity. The District Engineer shall establish points of construction, if applicable, which will require inspection by the District Engineer prior to construction of the permitted activity. When the Permittee considers the permitted activity complete, the Permittee shall notify the District Engineer and schedule an on-site final inspection which shall be held in the presence of a representative of the Permittee and the District Engineer.

2. The permitted activity shall be implemented, constructed and/or installed in full accordance with the approved plans and specifications within six (6) full calendar years from the date of permit approval. Deviations from the approved plans or specifications shall be coordinated with and approved by the District Engineer prior to implementation of any such deviation.

3. When working in a District road right-of-way, not more than one-half (½) of the road or street shall be closed and traffic shall be controlled so as to provide for the safety and minimum hindrance to the public. All traffic control operations shall conform to the most current issue of the Florida Department of Transportation publication "Manual on Traffic Controls and safe Practices for Street and Highway Construction, Maintenance and Utility Operations."

4. The District Engineer shall be the final authority as to the quality and quantity of the material and works required to satisfy the terms and conditions of this Permit as they relate to District improvements and facilities.

5. Upon completion of the permitted activity and after its final review and acceptance by the District Engineer THE PERMITTEE SHALL DELIVER TO THE DISTRICT OFFICE ONE COMPLETE SET OF THE FINAL "RECORD DRAWINGS." FAILURE TO PROVIDE THE FINAL RECORD DRAWINGS MAY RESULT IN THE REVOCATION, CANCELLATION AND TERMINATION OF THIS PERMIT.

6. The above Conditions shall be continuing obligations of the Permittee and shall be complied with in the event of any subsequent maintenance, repair, replacement or modification of the permitted improvement.

Stipulations:

1). Permit #26-101 is approved according to the plans submitted May 28th, 2026.

2). The proposed directional bore must maintain a minimum clearance of 10 feet below the bottom elevation of the canal for the entire 80' within the canal right of way.

3). Permanent utility markers, (at least 4' high) with the utility companies contact information clearly labeled on it, must be installed at each canal right of way line over top the proposed line.

4). All guy wires, poles, pull boxes, etc. must be located outside of the canal right of way and not interfere with the District's canal maintenance activities.

5). All canal R/W that is disturbed must be restored with sod and maintained until well established (no seeding will be allowed).

6). Boring contractor is not allowed to pump water out of the LAMSID canals for their boring operations unless they apply for and receive a water use permit from LAMSID.

7). The Permittee will be responsible for any repairs, alterations, or relocation of the utility if required for repairs or maintenance of the canal in the future.

8). Provide LAMSID with a copy of your record drawings and a copy of your bore depth logs showing where your utilities are located within the canal R/W and at what elevation they are located, within 30 days following completion of the improvements.

9). Lee County DOT must review and approve the utility work that is outside of the canal right of way along Roderick Ln.

PART I

DATE SUBMITTED: 05 - 28 - 26

PERMIT #: 26 - 101

APPLICATION FOR A PERMIT

*Note: The review of permit applications will be conducted per the Lehigh Acres Municipal Services Improvement District's Administrative Policy and Procedures

AGENT NAME: TEP-OPCO, LLC **PHONE #:** (502)552-2733

PROJECT NAME: U38573 - SWALLOWTAIL CANAL - 1905 RODERICK LN-LA-MSID-1

TOTAL ACREAGE: N/A

Property Address (STRAP associated with this address will be used as the primary STRAP for this project): 1905 RODERICK LN					
Mailing Address:					
City:	LEHIGH ACRES	**State:**	FL	**Zip:**	33972

STRAP NUMBERS (*attach additional sheet if necessary*):

05	-	44	-	27	-	L4	-	27	17	9	-	0	1	7	0				
	-		-		-		-				-								
	-		-		-		-				-								
	-		-		-		-				-								
	-		-		-		-				-								

Brief description of proposed project:

Application for:

Directional bore placing 80' of (2) 1.25" HDPE SDR 11 Conduit Equipped with (1) 288-CT Microfiber Optic cable under Swallowtail Canal along the West side of Roderick Ln between Woodman Dr and Windermere Dr.

Is the project proposed to be developed in phases? ☐ Yes ☑ No

Estimated # of Phases:	1
***Permit Fee:**	$ 1,950.00 **(to be verified by staff)**

* See Administrative Policy and Procedures Sections 4.15 – 4.17 for current Permit Fee Amount.

RECEIVED
MAY 28 2026
LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

PART II

OWNER/APPLICANT/ DEVELOPER INFORMATION

A.

Name of Applicant	Lumos Fiber of Florida, LLC						
Mailing Address:	**Street:**	4100 Mendenhall Oaks Parkway, Suite 300					
City:	High Point	**State:**	NC		**Zip:**	27265	
Phone No.	**Area Code:**	515	**Number:**	306 - 3403	**Ext.**		
Fax No.	**Area Code:**		**Number:**	-			
E-mail Address:	william.kiefer@lumosfiber.com						

B. Relationship of applicant to property*:

☐ **Owner*** ☐ **Trustee*** ☐ **Option holder*** ☐ **Lessee***

☐ **Contract Purchaser*** ☑ **Other (indicate)*** Utility

C.

Name of Developer:						
Mailing Address:	**Street:**					
City:		**State:**			**Zip:**	
Phone No.	**Area Code:**	( )	**Number:**	-	**Ext.**	
Fax No.	**Area Code:**	( )	**Number:**	-		
E-mail Address:						

D.

Name of Authorized Agent(s):	TEP OPCO, LLC.					
Mailing Address:	**Street:**	5906-A Breckenridge Pkwy				
City:	Tampa	**State:**	FL		**Zip:**	33610
Phone No.	**Area Code:**	(502)	**Number:**	552 - 2733	**Ext.**	
Fax No.	**Area Code:**	( )	**Number:**	-		
E-mail Address:	FL-permitting@tepgroup.net					

E.

Name of Property Owner:						
Mailing Address:	**Street:**					
City:		**State:**			**Zip:**	
Phone No.	**Area Code:**	( )	**Number:**	-	**Ext.**	
Fax No.	**Area Code:**	( )	**Number:**	-		
E-mail Address:						

*A disclosure of the name of all persons or entities having an ownership interest in the property is required (attached).

PART III

DISCLOSURE OF OWNERSHIP INTEREST FORM FORM:

PRIMARY STRAP NUMBER: | | - | | | - | | | - | | | - | | | | | - | | | | |

1. If the property is owned in the fee simple by an **INDIVIDUAL**, tenancy by the entirety, tenancy in common, or joint tenancy, list all parties with an ownership interest as well as the percentage of such interest.

Name and Address	Percentage of Ownership
N/A	

2. If the property is owned by a **CORPORATION**, list the officers and stockholders and the percentage of stock owned by each.

Name, Address, Office	Percentage of Stock
N/A	

3. If the property is in the name of a **TRUSTEE**, list the beneficiaries of the trust with percentages of interest.

Name and Address	Percentage of Interest
N/A	

4. If the property is in the name of a **GENERAL PARTNERSHIP OR LIMITED PARTNERSHIP**, list the names of general and limited partners.

Name and Address	Percentage of Interest
N/A	

5. If there is a **CONTACT FOR PURCHASE**, whether contingent on this application Or not, and whether a Corporation, Trustee, or Partnership, list the names of the contract purchasers below, including the officers, stockholders, beneficiaries, or partners.

Name and Address	Percentage of Interest
N/A	

Date of Contract (mm/dd/yy): / /

6. If any contingency clause or contract terms involve additional parties, list all individuals or officers, if a corporation, partnership, or trust.

Name and Address	Percentage of Interest
N/A	

For any changes of ownership of changes in contracts for purchase subsequent to the date of the application, but prior to the date of final certificate for compliance, a supplemental disclosure of interest must be filed.

The above is a full disclosure of all parties of interest in this application, to the best of my knowledge and belief.

William Kiefer
SIGNATURE OF APPLICANT

William Kiefer
PRINTED OR TYPED NAME OF APPLICANT

STATE OF FLORIDA
COUNTY OF LEE

The foregoing instrument was acknowledged before me this 11th day of May (m), 2026(y), by William Kiefer who is personally know to me or has produced _____ as identification.

ANNA M. BAKER
MY COMMISSION # HH 582094
EXPIRES: August 13, 2028

Anna M. Baker
SIGNATURE OF NOTARY PUBLIC

Anna M. Baker
PRINTED NAME OF NOTARY PUBLIC

PART IV

EXPLANATION

All Permit Application sections must be completed and submitted.

Permit Application fees and submittal items (see Part VI) must be submitted with the application.

Any and all work involving the lands and/or facilities of the District shall not commence without a Board approved permit.

All set policies, procedures, technical requirements, and fee schedules can be found and reviewed in the 'Administrative Policy and Procedures Guide'. The Guide is available at the District Office located at 601 East County Lane, Lehigh Acres, FL or online at la-msid.com/.

PART V

PROFESSIONAL CONSULTANT FORM

ATTORNEY

Name:							
Mailing Address:							
City:		**State:**				**Zip:**	
Business No.	**Area Code:**	( )	**Number:**	-		**Ext.**	
Other Contact:							

ENGINEER

Name:	TEP-OPCO, LLC JOSH CARDEN						
Mailing Address:	326 Tyron Road						
City:	Raleigh	**State:** NC				**Zip:**	27603
Business No.	**Area Code:**	(336)	**Number:**	214 -2099		**Ext.**	
Other Contact:							

OTHER REPRESENTATIVE/PROFESSIONAL

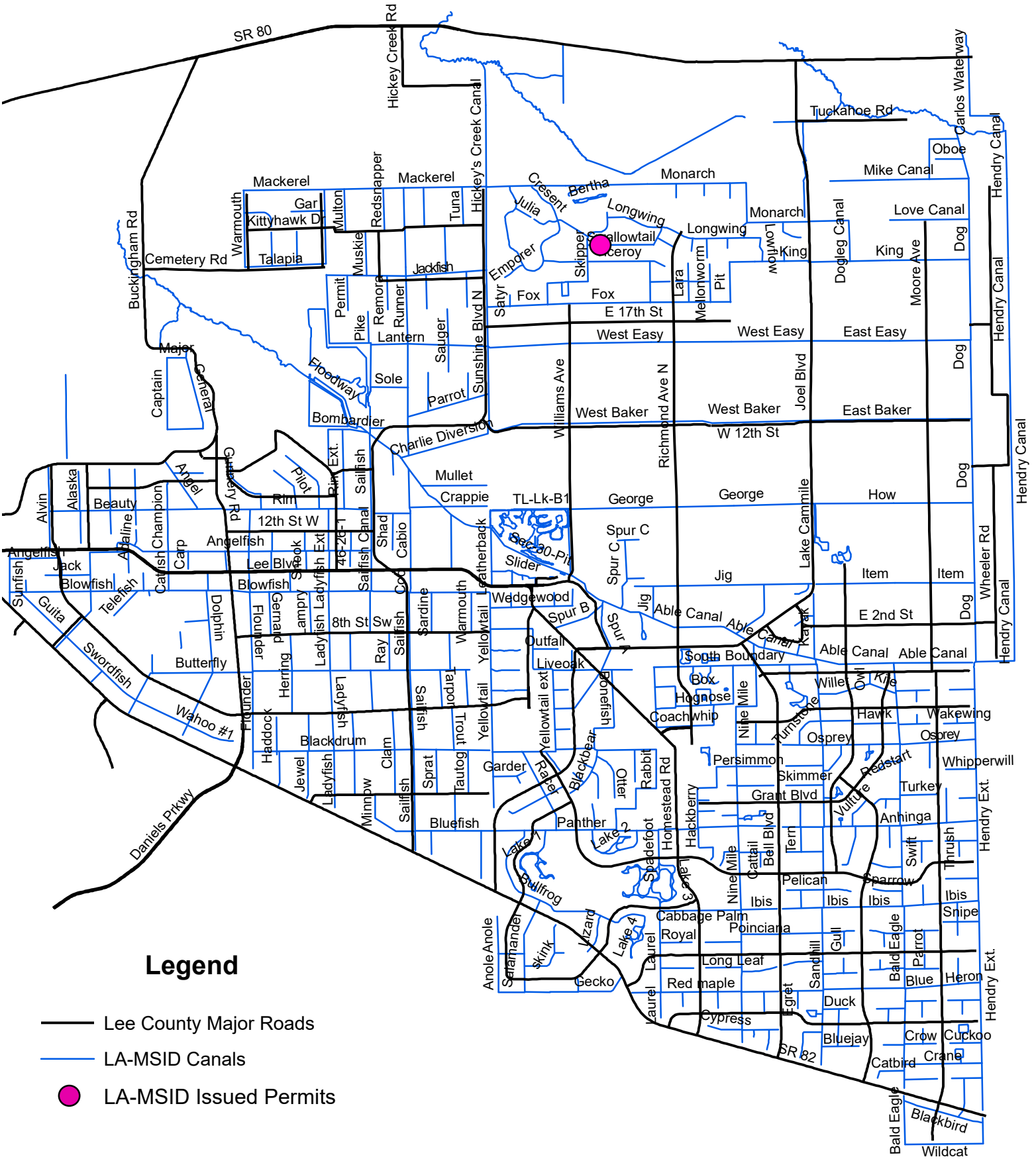
Name:	McKim & Creed						
Mailing Address:	5701 Division Drive, Suite A						
City:	Fort Myers	**State:**	FL			**Zip:**	33905
Business No.	**Area Code:**	(239)	**Number:**	275 - 8875		**Ext.**	
Other Contact:							

PART VI

SUBMITTALS

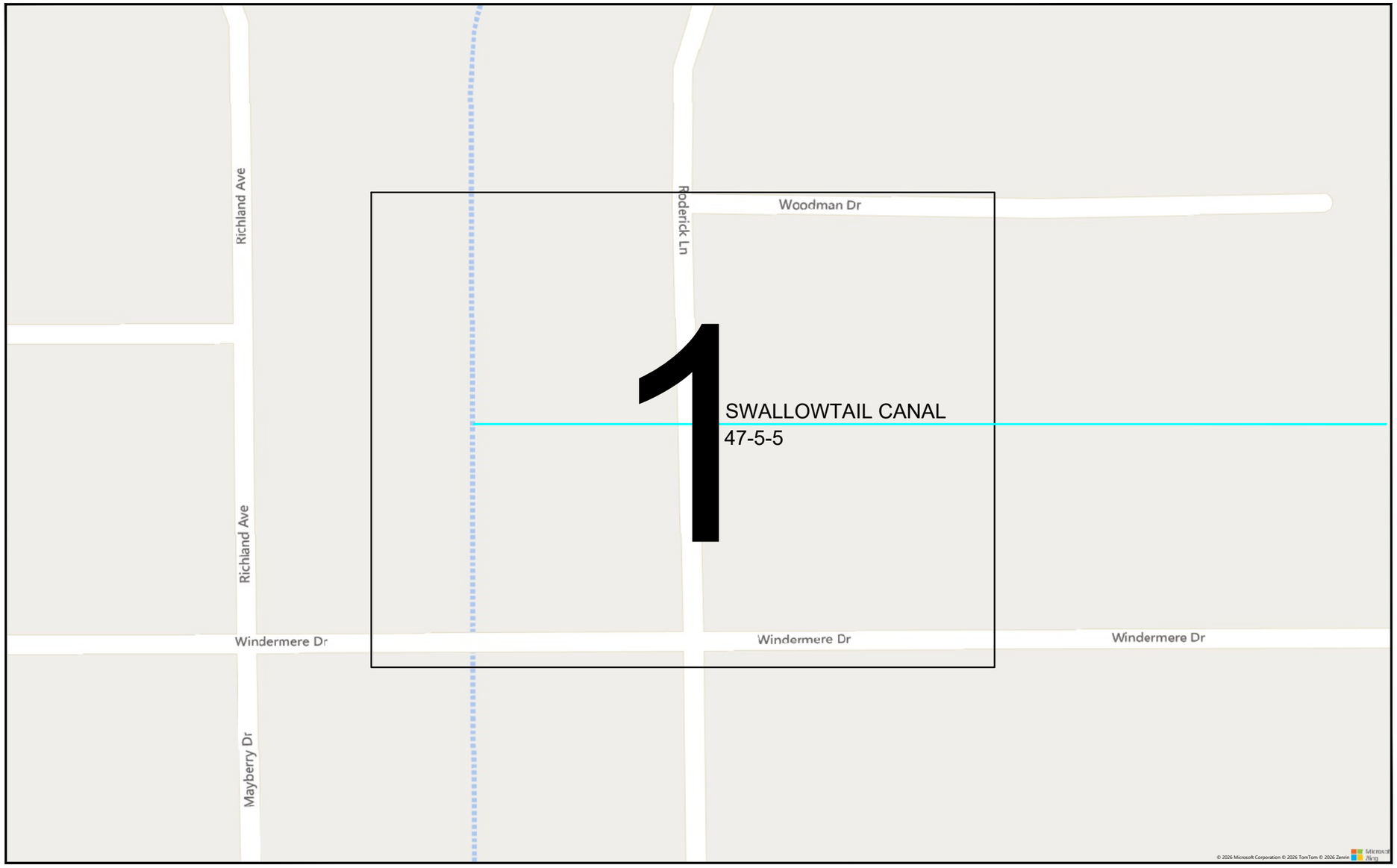
NO. OF COPIES		SUBMITTAL DOCUMENT
SUB'D	REQ'D	
		ITEMS REQUIRED FOR INITIAL SUBMITTAL
	2	**Construction/Development Plans** signed and sealed by a Licensed Florida Professional Engineer including: 1. Location map showing the location of the proposed project in relation to adjacent streets and LA-MSID facilities. 2. Details of proposed works that fully communicate the work and/or use desired (i.e. Existing Conditions Survey, Proposed Site Plan, Paving Grading & Drainage Plan, Cross Sections, Element Details, and Erosion Control Plan sheets). 3. Sufficient survey data to determine elevations, property and ROW lines, limits of existing and proposed conditions, and notation of utilized vertical datum (NAVD/NGVD).
	2	**Stormwater Drainage Calculations** signed and sealed by a Licensed Florida Professional Engineer including, but not limited to, computer stormwater routing modeling data (ICPR4, Cascade, etc.) to verify compliance with the Design Criteria (input summary data below): **Water Quality Volume (Required):** _____(ACRE-FT) **Water Quality Volume (Provided):** _____(ACRE-FT) **Control Elevation:** _____(FT-NGVD) **Minimum Road/Parking Elevation:** _____(FT-NGVD) *(above the 10-year, 1-day design storm peak stage elevation)* **Minimum Perimeter Berm Elevation:** _____(FT-NGVD) *(above the 25-year, 3-day design storm peak stage elevation)* **Minimum Finished Floor Elevation:** _____(FT-NGVD) *(above the 100-year, 3-day design storm peak stage elevation and previously experienced high-water levels external to project)*
	2	**Flash Drive / CD** containing plans in both AutoCAD (.dwg file drawn in "State Plane Coordinates") and PDF formats.
	2	**Permit Application** (PARTS I & II)
	2	**Disclosure of Owner Form (signed and notarized)** (PART III)
	2	**Professional Consultant Form & Submittals** (PARTS V & VI)
	2	**Copy of Approved FDEP Notice of Intent (NOI)** for all sites one (1) acre and greater in size.
	2	**Copy of approved SWFMD permit**, for all sites required to get a permit, **or FDEP "10/2 Self-Certification"** approval.
	1	**Check for appropriate Permit Fees** made out to LA-MSID.

Permit # 2026-101



U38573 - SWALLOWTAIL CANAL - 1905 RODERICK LN-LA-MSID-1

1905 RODERICK LN, LEHIGH ACRES, FL 33972 (26.675709, -81.642279)



Know what's below
Call before you dig.

N

PERMIT #:

PROJECT DESCRIPTION

- BURIED PLACEMENT OF 234' OF (2) 1.25" HDPE SDR 11 CONDUIT EQUIPPED WITH (1) 288-CT MICROFIBER OPTIC CABLE. (2) PROPOSED HANDHOLES.
- PIPE TO BE INSTALLED BY MEANS OF HORIZONTAL DIRECTIONAL DRILLING AND HAND DIGGING METHODS.
- ALL AREAS DISTURBED BY INSTALLATION TO BE RESTORED TO EXISTING OR BETTER CONDITION.

SHEET INDEX

A - COVER SHEET
B - SOW & CONTACTS
C - LEGEND
D1-D2 - GENERAL NOTES
E - CONSTRUCTION NOTES
F-H - TYPICALS
1- 1 - PROJECT SHEETS
1A - PROFILE VIEW
I1 - I2 - IMAGES

lumos

TEP

5906 BRECKENRIDGE PKWY, SUITE A
TAMPA, FL 33610

TEP IS A FAMILY OF COMPANIES LICENSED TO PROVIDE DIFFERENT SERVICES IN DIFFERENT JURISDICTIONS. DEPENDING ON THE JURISDICTION, PROFESSIONAL ENGINEERING AND LAND SURVEYING SERVICES ARE PROVIDED BY TEP OPCO LLC, A DELAWARE LIMITED LIABILITY COMPANY, TEP ENGINEERING, PLLC, A NORTH CAROLINA PROFESSIONAL LIMITED LIABILITY COMPANY, OR M&H ENGINEERING, PLLC, A NEW YORK PROFESSIONAL LIMITED LIABILITY COMPANY. GENERAL CONTRACTOR SERVICES ARE PROVIDED BY TEPDB OPCO LLC, A DELAWARE LIMITED LIABILITY COMPANY. WE ACQUIRE THE REQUISITE LICENSES IN EACH STATE. ADDITIONAL INFORMATION CAN BE OBTAINED FROM THE COMPANY. THESE DRAWINGS ARE INTENDED TO DEPICT FIBER OPTIC CABLES, CONDUITS, AND RELATED INFRASTRUCTURE WITHIN THE PUBLIC RIGHT-OF-WAY (R/W) OR AREAS WITH VALID, RECORDED EASEMENTS OR LEASES, HOWEVER R/W LOCATIONS ARE BASED SOLELY ON GEOGRAPHIC INFORMATION SYSTEMS (GIS) DATA FROM THE LOCAL JURISDICTION. SURVEYS TO VERIFY R/W OR PROPERTY BOUNDARIES WERE NOT PERFORMED. WHERE INSTALLATION ROUTES EXTEND BEYOND THE R/W, THE UTILITY OWNER/OPERATOR IS SOLELY RESPONSIBLE FOR SECURING AND PROVIDING ALL NECESSARY EASEMENTS, LEASES, OR PROPERTY RIGHTS PRIOR TO CONSTRUCTION. CONTRACTORS SHALL RELY ON THE UTILITY OWNER/OPERATOR'S DOCUMENTATION AND ARE RESPONSIBLE FOR ENSURING THAT CONSTRUCTION OCCURS ONLY WITHIN AUTHORIZED AREAS. TEP, THE ENGINEER, DESIGNER, AND CREATOR OF THESE DRAWINGS ASSUME NO RESPONSIBILITY OR LIABILITY FOR UNAUTHORIZED PLACEMENT OF UTILITIES OUTSIDE THE PUBLIC R/W OR ON PRIVATE PROPERTY WITHOUT PROPER LEGAL AUTHORIZATION. ALL INSTALLATIONS MUST COMPLY WITH APPLICABLE LAWS AND REGULATIONS.

TEP OPCO, LLC
5906-A Breckenridge Pkwy, Tampa, FL 33610
FL COA# 31011
Shaine Herrick - Project Manager
sherrick@tepgroup.net

LUMOS
William Kiefer - OSP Project Engineer
william.kiefer@lumosfiber.com
Phone: (515) 306-3403

Jason Bush
jason.bush@lumosfiber.com
Phone: (850) 428-1313

REV	DESCRIPTION	INITIALS	DATE
0	ORIGINAL	DC	05/05/2026

TEP OPCO, LLC FL COA# 31011

JOSHUA H. CARDEN LICENSE No 83511 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 5th, 2026

This item has been digitally signed and sealed by JOSHUA H. CARDEN on the date adjacent to the seal.

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

SHEET TITLE:
COVER PAGE

PROJECT MANAGER:	SHAINE HERRICK
PROJECT ENGINEER:	DARIA COSTIN
PROJECT NUMBER:	U38573
DESCRIPTION:	1905 RODERICK LN
DRAWING NAME:	U38573 - SWALLOWTAIL CANAL - 1905 RODERICK LN-LA-MSID-1
SHEET:	A of 1

CONFIDENTIAL/PROPRIETARY

SCOPE OF WORK

- BURIED PLACEMENT OF 234' OF (2) 1.25" HDPE SDR 11 CONDUIT EQUIPPED WITH (1) 288-CT MICROFIBER OPTIC CABLE. (2) PROPOSED HANDHOLES.
- PIPE TO BE INSTALLED BY MEANS OF HORIZONTAL DIRECTIONAL DRILLING AND HAND DIGGING METHODS.
- ALL AREAS DISTURBED BY INSTALLATION TO BE RESTORED TO EXISTING OR BETTER CONDITION.

UTILITY OWNER CONTACTS

LUMOS
William Kiefer - OSP Project Engineer
william.kiefer@lumosfiber.com
Phone: (515) 306-3403

Jason Bush
jason.bush@lumosfiber.com
Phone: (850) 428-1313

ENGINEERING COMPANY

TEP OPCO, LLC
5906 BRECKENRIDGE PKWY, SUITE A
TAMPA, FL 33610

DIRECTOR - OSP OPERATIONS:
ALEX MORA
OFFICE : 704-751-1123
AMORA@TEPGROUP.NET

PROJECT MANAGER:
SHAINE HERRICK
SHERRICK@TEPGROUP.NET

UTILITIES CONTACTS

CENTURYLINK
BILL MCCLOUD
(850) 815-3144

COMCAST
CHAD EVENER
(941) 356-1564

FLORIDA POWER & LIGHT--LEE
FPL CABLE LOCATIONS-DISTRIBUTION SDD/MPE - EDGAR.AGUILAR@FPL.COM, JAMIE.PURNELL@FPL.COM

LUMOS FIBER OF FLORIDA, LLC
JASON BUSH
(850) 428-1313
JASON.BUSH@LUMOSFIBER.COM

FLORIDA GOVERNMENTAL UTILITIES AUTHORITY - LEHIGH
POTABLE WATER/SANITARY SEWER
LINA MARIA QUINTERO, PE
(727) 858-2396

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT
MICHAEL COOK
(239) 368-0044 Ext. 16
MCOOK@LA-MSID.COM
STORM WATER/CANALS

LEE COUNTY DEPARTMENT OF TRANSPORTATION (DOT)
COMMERCIAL RIGHT OF WAY USE PERMIT
(239) 533-8580
ROADS

FDOT
DISTRICT 1 - COUNTIES: CHARLOTTE, COLLIER, DESOTO, GLADES, HARDEE, HENDRY, HIGHLANDS, LEE, MANATEE, OKEECHOBEE, POLK, SARASOTA
801 N. BROADWAY AVENUE
BARTOW, FLORIDA 33830
PHONE: (800) 292-3368
PHONE: (239) 225-1900

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REV	DESCRIPTION	INITIALS	DATE
0	ORIGINAL	DC	05/05/2026

TEP OPCO, LLC — FL COA# 31011

JOSHUA H. CARDEN LICENSE No 83511 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 5th, 2026

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SHEET TITLE: SOW & CONTACTS

PROJECT MANAGER:	SHAINE HERRICK
PROJECT ENGINEER:	DARIA COSTIN
PROJECT NUMBER:	U38573
DESCRIPTION:	1905 RODERICK LN
DRAWING NAME:	U38573 - SWALLOWTAIL CANAL - 1905 RODERICK LN-LA-MSID-1
SHEET:	B of 1

CONFIDENTIAL/PROPRIETARY

LEGEND

LINETYPES

- UG FIBER – EXISTING
- UG FIBER – PROPOSED
- AERIAL FIBER – EXISTING
- AERIAL FIBER – PROPOSED
- COMMUNICATION (COM)
- RECLAIM WATER (RCW)
- DITCH
- GUARDRAIL
- ROAD CENTERLINE
- EASEMENT (ESMT)
- GAS (G)
- WATER (W)
- TELEPHONE (T)
- ELECTRIC (E)
- SANITARY SEWER (SEW)
- STORM DRAIN (SD)
- FENCE (X)
- CABLE TV (TV)
- STEAM (STM)
- OIL (OIL)
- UNKNOWN UTILITY (UNK)
- RIGHT OF WAY (R/W)
- EDGE OF PAVEMENT (EOP)
- SIDEWALK (S/W)

SYMBOL / DESCRIPTION

SYMBOL	DESCRIPTION
BP	BORE PIT
EOP	EDGE OF PAVEMENT
EOTW	EDGE OF TRAVEL WAY
FOC	FIBER OPTIC CABLE
HDPE	HIGH DENSITY POLYETHYLENE
HH	HANDHOLE
JB	JUNCTION BOX
MH	MANHOLE
MP	MILE POST
O/S	OFFSET
PVC	POLY VINYL CHLORIDE
RGS	RIGID GALVANIZED STEEL CONDUIT
ROW	RIGHT OF WAY
S/W	SIDEWALK
STA.	STATION

- CB — CABINET
- P — PEDESTAL
- E — ELECTRIC
- EM — ELECTRIC METER
- MH — MANHOLE
- R — RISER
- T — TELEPHONE
- P — POWER VAULT
- CATCH BASIN/INLET
- FIRE HYDRANT
- GROUND/BOND
- STREET LIGHT
- TREE
- CULVERT
- WING WALL
- BRIDGE
- U — MISC. UTILITY
- UTILITY POLE – EXISTING
- POLE – PROPOSED (OWNER ID)
- HH — HANDHOLE – EXISTING
- HH — HANDHOLE – PROPOSED
- PD — PEDESTAL – PROPOSED
- MKR — PROMARK DOME MARKER POST
- BORE PIT – PROPOSED

- 0' — AERIAL STORAGE – EXISTING
- 0' — AERIAL STORAGE – PROPOSED
- 0' — VAULT/BUILDING STORAGE – EXISTING
- 0' — VAULT/BUILDING STORAGE – PROPOSED
- POLE ANCHOR/DOWN GUY – EXISTING
- POLE ANCHOR/DOWN GUY – PROPOSED
- PROPOSED DOWN GUY ON EXISTING ANCHOR
- FDP / NAME / SIZE / LOCATION — TERMINATION – EXISTING
- FDP / NAME / SIZE / LOCATION — TERMINATION – PROPOSED
- BUILDING / NAME / STREET — BUILDING CALLOUT – PROPOSED
- MANUFACTURER NAME — SPLICE POINT – EXISTING
- MANUFACTURER NAME — SPLICE POINT – PROPOSED

#F	IN:	0
	OUT:	0

SEQUENTIAL CALLOUT

#F	IN:	0
	TAIL:	0

SEQUENTIAL IN TAIL CALLOUT

#F	TAIL:	0
	OUT:	0

SEQUENTIAL TAIL OUT CALLOUT

POLE NO	N/A
UTILITY1	0'–0"

POLE ATTACHMENT CALLOUT – EXISTING
USE DYNAMIC PULL DOWN TO SELECT
FROM 1 TO 6 ATTACHMENTS

POLE NO	N/A
UTILITY1	0'–0"

POLE ATTACHMENT CALLOUT – PROPOSED
USE DYNAMIC PULL DOWN TO SELECT
FROM 1 TO 6 ATTACHMENTS

lumos

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TAMPA, FL 33610

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TEP OPCO, LLC — FL COA# 31011

JOSHUA H. CARDEN LICENSE No 83511 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 5th, 2026

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SHEET TITLE: LEGEND

PROJECT MANAGER:	SHAINE HERRICK
PROJECT ENGINEER:	DARIA COSTIN
PROJECT NUMBER:	U38573
DESCRIPTION:	1905 RODERICK LN
DRAWING NAME:	U38573 - SWALLOWTAIL CANAL - 1905 RODERICK LN-LA-MSID-1

SHEET: C of 1

CONFIDENTIAL/PROPRIETARY

GENERAL NOTES

GENERAL NOTES

CONTRACTOR MUST OBTAIN LOCATES PRIOR TO DISTURBING THE GROUND.

CONTRACTOR MUST HAVE A COPY OF THE APPROVED PERMIT FROM THE APPROPRIATE AGENCY ON THE JOBSITE AT ALL TIMES.

ALL CABLE WILL BE PLACED AT A MINIMUM DEPTH OF 36" DEEP UNLESS OTHERWISE DIRECTED BY A REPRESENTATIVE OF THE UTILITY OWNER.

ANY LANDSCAPING WILL BE REPLACED TO EQUAL OR BETTER THAN THAT WHICH EXISTED PRIOR TO WORK, 72 HOURS AFTER COMPLETION OF WORK.

PROJECT SITE WILL BE PROPERLY SECURED PRIOR TO THE END OF EACH DAY.

ALL WORK IS TO BE IN ACCORDANCE WITH ALL AUTHORITIES HAVING JURISDICTION IN THE WORK ZONE.

CONTRACTORS ARE ADVISED TO CONTACT THE PROJECT MANAGER FOR ANY ADDITIONAL INFORMATION OR CLARIFICATION CONCERNING SCOPE OF WORK OR THE REQUIREMENTS NECESSARY FOR PROJECT COMPLETION.

CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY ALL DIMENSIONS, QUANTITIES AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION. IF A SIGNIFICANT CHANGE TO THE RUNNING LINE IS NEEDED, PLEASE CONTACT THE PROJECT MANAGER BEFORE PROCEEDING.

BEFORE CONSTRUCTION BEGINS, CONTRACTOR SHALL TAKE APPROPRIATE PRECAUTIONS TO AVOID ANY POTENTIAL OBSTRUCTIONS PRIOR TO PROCEEDING WITH WORK.

NO CONSTRUCTION ON PRIVATE PROPERTY WILL COMMENCE UNTIL APPROVAL IS GIVEN BY A REPRESENTATIVE OF THE UTILITY OWNER.

CONTRACTOR SHALL NOT PROCEED WITH WORK UNTIL THEY HAVE RECEIVED A PURCHASE ORDER AND HAVE BEEN DIRECTED TO DO SO BY AN AUTHORIZED REPRESENTATIVE OF THE UTILITY OWNER.

CONTRACTOR SHALL NOT EXCEED THE PURCHASE ORDER VALUE WITHOUT AUTHORIZATION IN WRITING FROM THE APPROPRIATE REPRESENTATIVE OF THE UTILITY OWNER.

AS-BUILTS WILL BE REQUIRED FOR EACH PROJECT INCLUDING CABLE FOOTAGE SEQUENTIALS AT EVERY ACCESS POINT, SLACK LOOP, SPLICE LOCATION, POLE AND TERMINATION POINT. CONTRACTOR SHOULD ALSO PROVIDE NOTES OF ALL CHANGES IN DEPTHS, RUNNING LINES, MH/HH LOCATIONS, AND ANY OTHER APPLICABLE NOTES TO DEPICT THE WORK THAT TOOK PLACE. NOTE: ALL MAJOR CHANGES NEED TO BE PRE-APPROVED BY AN AUTHORIZED REPRESENTATIVE OF THE UTILITY COMPANY PRIOR TO STARTING THE WORK.

SITE CONDITIONS

THE ACTUAL LOCATION OF EXISTING CONDUIT AND CABLES MAY VARY FROM THE LOCATION SHOWN. REPAIR OF ANY DAMAGED CONDUIT CONTAINING CABLE SHALL BE MADE BY USE OF PVC SPLIT DUCT. THE CONTRACTOR SHALL ENCLOSE THE EXISTING CABLES IN PVC.

THE LOCATIONS OF EXISTING UTILITIES SHOWN IN THIS PLAN ARE APPROXIMATE. WHEN WORK IS TO BE CONDUCTED IN THE VICINITY OF KNOWN UTILITIES, THEIR ACTUAL LOCATION MUST BE FIELD VERIFIED TO AVOID CONFLICTS OR DAMAGE TO THOSE UTILITIES. VARIATION IN LOCATION BETWEEN "RECORDED POSITIONS" AND ACTUAL POSITIONS SHOULD BE ANTICIPATED.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES. BURIED UTILITIES MAY EXIST IN THE AREA IN ADDITION TO THOSE SHOWN ON THE PLAN. THE CONTRACTOR SHALL CONTACT PROPERTY OWNERS WHEN WORKING WITHIN PRIVATE EASEMENTS FOR LOCATION OF UNDERGROUND TANKS, PIPELINES, DRAIN TILES, OR OTHER BURIED IMPROVEMENTS. THE CONTRACTOR SHALL ALSO NOTIFY THE UTILITY NOTIFICATION CENTER PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITIES.

THE CONTRACTOR MUST ASSUME ALL BURIED UTILITIES ENCOUNTERED ARE ALIVE AND ACTIVE UNLESS SPECIFICALLY INSTRUCTED OTHERWISE BY OWNERS OR OPERATORS OF SAID UTILITIES.

DAMAGE TO SUB-SURFACE STRUCTURES IS THE SOLE RESPONSIBILITY OF THE PLACING CONTRACTOR.

THE CONTRACTOR SHALL PROTECT THE EXISTING TRAFFIC CONTROL LOOPS. IF EXISTING TRAFFIC CONTROL LOOPS ARE DAMAGED DURING CONSTRUCTION, THE ENTIRE LOOP WIRE FROM TERMINAL TO TERMINAL SHALL BE REPLACED IN ACCORDANCE WITH GOVERNING AGENCY STANDARDS AND REGULATIONS AT CONTRACTOR'S EXPENSE.

REMOVAL OF EXISTING ASPHALT PAVEMENT, CONCRETE CURBS, AND CONCRETE SIDEWALKS WILL BE "NEAT LINE" WITH SAW OR PAVEMENT CUTTER, PER REQUIREMENTS AND SPECIFICATIONS OF THE AGENCY OR DEPARTMENT RESPONSIBLE FOR EACH LOCATION. IF CONCRETE PAVEMENT IS ENCOUNTERED WHILE EXCAVATING CONDUIT TRENCHES, THE CONCRETE REMOVAL WILL BE "NEAT LINE" WITH A PAVEMENT SAW.

IF CONCRETE CURB RETURNS AND/OR SIDEWALKS ARE REPLACED DUE TO CONDUIT OR MANHOLE INSTALLATION, THE CONTRACTOR SHALL PLACE APPROVED HANDICAPPED SIDEWALK AND CURB ACCESS RAMPS IN CONFORMANCE WITH THE APPROPRIATE STATE STATUTES.

ALL MATERIALS NECESSARY FOR THE REPAIR OF STREETS, CURBS, SIDEWALKS, SANITARY SEWERS, STORM SEWERS, AND PUBLIC SERVICE UTILITIES, AND THE INSTALLATION OF SUCH MATERIALS SHALL BE IN CONFORMANCE WITH THE REQUIREMENTS AND SPECIFICATIONS OF THE AGENCY OR DEPARTMENT RESPONSIBLE FOR THE OPERATION AND MAINTENANCE OF THE REPAIRED FACILITY.

ALL WORK SHALL CONFORM TO THE SPECIFICATIONS OF THE JURISDICTIONAL PERMIT AGENCY.

ALL OPEN TRENCH WILL BE CLEARLY MARKED WITH BARRICADES OR CONES. STEEL PLATES OR OTHER TYPES OF BRIDGING SHALL BE PROVIDED TO COVER OPEN TRENCH IN THE TRAVEL PORTION OF THE STREETS. THESE PLATES OR BRIDGING SHALL BE ADEQUATE TO SUPPORT THE NORMAL VEHICLE LOADS ANTICIPATED IN THIS AREA AND SHALL BE IN PLACE DURING ALL NON-WORKING AREAS.

ALL SURFACES TO BE RESTORED TO ORIGINAL CONDITION, AND BACKFILL TO BE COMPACTED AS SPECIFIED. TRENCH EXCAVATION IN SURFACES WHICH INCLUDE CONCRETE TREATED BASE SHALL FOLLOW LOCAL AREA SPECIFICATIONS.

HAZARDOUS MATERIALS

THE CONTRACTOR SHALL NOTIFY THE JURISDICTIONAL PERMIT AGENCY IMMEDIATELY IF ANY MATERIALS ARE ENCOUNTERED THAT ARE CONSIDERED HAZARDOUS BY THE EPA, DEQ, OR OSHA. IF POTENTIALLY HAZARDOUS MATERIALS ARE ENCOUNTERED THE CONTRACTOR SHALL SECURE THE SITE AND PREVENT THE ACCIDENTAL EXPOSURE BY THE PUBLIC OR THE CONTRACTOR'S PERSONNEL.

THE CONTRACTOR MAY EXCAVATE UP TO, BUT SHALL NOT DISTURB KNOWN HAZARDOUS MATERIALS SUCH AS ASBESTOS, OILS, ACID, ETC. THE REMOVAL OF ALL HAZARDOUS MATERIALS MUST BE DONE BY AN APPROVED OR CERTIFIED HAZARDOUS MATERIALS CONTRACTOR LICENSED IN THE APPROPRIATE STATE.

A COPY OF ALL CORRESPONDENCE PERTINENT TO THE REMOVAL OF HAZARDOUS MATERIALS SHALL BE TRANSMITTED TO OWNER AND A COPY SHALL BE AVAILABLE AT THE PROJECT OFFICE AND THE JOB SITE.

AERIAL NOTES

- AERIAL CONSTRUCTION TO BE PERFORMED TO INDUSTRY ACCEPTABLE STANDARDS.
- ALL HEIGHTS OF CABLE PLACEMENT WILL BE RECORDED AT TIME OF CONSTRUCTION. DOCUMENT ALL POINTS OF ATTACHMENT.
- ALL EXTENSION ARMS TO BE PLACED WILL BE EPOXY ARMS UNLESS OTHERWISE NOTED OR APPROVED BY THE INSPECTOR.
- BOND STRAND TO POWER MGN WHERE APPLICABLE. ANCHORS TO BE USED WILL BE 3/4 SCREW IN TYPE.
- ALL STRAPS WILL BE PLACED 4" BEFORE AND AFTER EVERY SUPPORTING CLAMP AT A MINIMUM OF 21" APART.
- P.O.A. = POINT OF ATTACHMENT.
- ADD MISSING GROUNDS.
- REPAIR/REPLACE EXISTING LASHING WIRE IF DAMAGED.

CONSTRUCTION STAKING

IN AREAS WHERE THE CONDUIT ALIGNMENT IS NOT CLEARLY DEFINED BY CURB LINES, FENCE LINES, OR OTHER EVIDENCE OF THE RIGHT-OF-WAY, THE ENGINEER WILL PROVIDE CENTERLINE STAKES OR PAINT MARKS WHERE REQUIRED TO MAKE THE PROPOSED CONDUIT ALIGNMENT EVIDENT.

MANHOLE CENTERS WILL BE FIELD STAKED BY THE ENGINEER WHEN REQUESTED WITH OFFSET STAKES AT RIGHT ANGLES (90°) TO THE CONDUIT ALIGNMENT.

CLOSURES IDENTIFIED IN THE PLANS SHALL BE LOCATED BY THE CONTRACTOR. DEVIATION FROM PLAN LAYOUT SHALL BE APPROVED BY THE ENGINEER PRIOR TO CONDUIT AND/OR CLOSURE INSTALLATION.

IF ADDITIONAL, FIELD STAKING OR LOCATION OF CONDUITS, MANHOLES, PROPERTY LINES, ETC., BECOMES NECESSARY, THE CONTRACTOR IS TO NOTIFY THE INSPECTOR OR THE ENGINEER TWO WORKING DAYS PRIOR TO BEGINNING THE WORK.

lumos

TEP

5906 BRECKENRIDGE PKWY, SUITE A
TAMPA, FL 33610

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REV	DESCRIPTION	INITIALS	DATE
0	ORIGINAL	DC	05/05/2026

TEP OPCO, LLC FL COA# 31011

JOSHUA H. CARDEN LICENSE No 83511 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 5th, 2026

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SHEET TITLE:
GENERAL NOTES

PROJECT MANAGER:	SHAINE HERRICK
PROJECT ENGINEER:	DARIA COSTIN
PROJECT NUMBER:	U38573
DESCRIPTION:	1905 RODERICK LN
DRAWING NAME:	U38573 - SWALLOWTAIL CANAL - 1905 RODERICK LN-LA-MSID-1

SHEET:
D1 of 1

CONFIDENTIAL/PROPRIETARY

GENERAL NOTES

PERMITS - FRANCHISES - EASEMENTS

PHYSICAL WORK SHALL NOT BE STARTED UNTIL THE GOVERNING AGENCY INSPECTOR AND THE CONTRACTOR ARE IN POSSESSION OF AND HAVE CAREFULLY REVIEWED AND FULLY UNDERSTAND ALL CONDITIONS AND SPECIFICATIONS SET FORTH IN THE REQUIRED PERMITS, FRANCHISES, AND/OR EASEMENTS.

PLACING FOREMAN TO HAVE A COPY OF THE PERMITS/EASEMENTS ON SITE AT ALL TIMES.

ANY CONFLICT BETWEEN WORK PRINT SPECIFICATIONS AND SPECIFICATIONS SET FORTH UNDER RELATED PERMITS, FRANCHISES, AND/OR EASEMENTS MUST BE CLEARED BY PROPER COMPANY AUTHORITY BEFORE PROGRESSING WITH WORK INVOLVED

TRAFFIC CONTROL

THIS PROJECT WILL INVOLVE WORKING ALONG A MAJOR ARTERIAL ROAD AND HEAVY TRAFFIC VOLUME SHOULD BE ANTICIPATED.

UNIFORM TRAFFIC FLOW SHALL BE MAINTAINED AT ALL TIMES. ONLY EQUIPMENT AND MATERIALS NECESSARY FOR IMMEDIATELY SCHEDULED OR IN PROGRESS WORK WILL BE MAINTAINED IN THE WORK AREA. ALL OTHER EQUIPMENT AND MATERIALS WILL BE "STORED OR STOCKPILED" IN SUCH A MANNER AS TO ELIMINATE HAZARDOUS CONDITIONS FOR TRAFFIC OR PEDESTRIANS DURING NON-WORKING OR SHUT DOWN PERIODS.

TRAFFIC WARNING DEVICES AND SIGNS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (U.S. GOVERNMENT PRINTING OFFICE) AND TO THE STATE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION. HIGH LEVEL WARNING TYPE DEVICES ARE TO BE USED AT ALL TIMES AND SPECIAL WARNING DEVICES MAY BE STIPULATED BY THE JURISDICTIONAL PERMIT AGENCY AT ANY TIME THE USE WILL ADD TO THE SAFETY AND PROTECTION OF TRAFFIC OR PEDESTRIANS IN THE CONSTRUCTION AREA.

ALL CONDUIT TRENCHING IN PAVED AREAS SHALL BE BACKFILLED WITH CRUSHED GRAVEL OR COMPLETELY COVERED AT THE COMPLETION OF EACH WORKING DAY. ANY BACKFILLED TRENCH SHALL BE CAPPED WITH A MINIMUM LAYER OF ASPHALTIC CONCRETE COLD PATCH AT THE END OF EACH WORKING DAY.

THE CONTRACTOR SHALL MARK THE CONDUIT TRENCH AND DEFINE HIS CONSTRUCTION AREA CLEARLY WITH BARRICADES, CONES, AND/OR OTHER VISIBLE METHODS THAT ALERT THE PUBLIC OF THE CONSTRUCTION ACTIVITY.

A TRAFFIC CONTROL PLAN SHALL BE PREPARED BY THE CONTRACTOR AS REQUIRED AND SUBMITTED TO EACH PERMITTING AGENCY REQUESTING SUCH PLAN FOR REVIEW AND APPROVAL OR REVISION PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITY FOR THIS PROJECT. THE APPROVED PLAN SHALL BE SUBMITTED TO THE AGENCY AND A COPY OF THE PLAN SHALL BE KEPT AT THE CONSTRUCTION SITE AND MUST BE READILY AVAILABLE REVIEW BY THE AGENCY REPRESENTATIVES.

SPECIAL UTILITY CLEARANCES

ALL WORK CONDUCTED ADJACENT TO WATER MAINS SHALL CONFORM TO THE FOLLOWING CONDITIONS:

A. WHEREVER POSSIBLE CONDUIT SHALL MAINTAIN A HORIZONTAL SEPARATION OF 3.0 FEET, MEASURED SURFACE TO SURFACE (OUTSIDE EDGE TO OUTSIDE EDGE), FROM PARALLEL WATER MAINS.

B. WHEREVER POSSIBLE, CONDUIT SHALL PASS UNDER EXISTING WATER MAINS AND MUST MAINTAIN 24" VERTICAL CLEAR SEPARATION. CONDUITS PASSING OVER WATER MAINS MUST ALSO MAINTAIN THE 24" VERTICAL SEPARATION.

C. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING THIS REQUIRED VERTICAL SEPARATION BY EITHER EXPOSING THE WATER MAIN EVERY 100 FEET IN THOSE AREAS WHERE HORIZONTAL SEPARATION IS LESS THAN 3.0 FEET OR BY UTILIZING THE DEPTHS OF ADJACENT WATER VALVES. IF THE CONTRACTOR UTILIZES THE ADJACENT WATER TO DETERMINE WATER MAIN DEPTH, HE SHALL CONTACT THE AGENCY AT EACH SUCH LOCATION AND THE AGENCY WILL DETERMINE THE NECESSARY DEPTH OF THE TOP OF THE CONDUIT AT THAT POINT.

D. THE VERTICAL AND HORIZONTAL SEPARATION SHALL BE MAINTAINED AT ALL TIMES UNLESS SPECIFICALLY REVISED BY AGREEMENT BETWEEN THE JURISDICTIONAL PERMIT AGENCY AND THE AGENCY ANY SPECIFIC DEVIATION IN VERTICAL AND HORIZONTAL SEPARATION FROM THOSE DESCRIBED SHALL BE REPORTED TO THE OWNER BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING VERTICAL AND HORIZONTAL SEPARATION AT ALL TIMES AND SHALL BE RESPONSIBLE FOR ANY AND ALL ENCROACHMENTS.

E. CLEARANCES TO STORM SEWERS AND SANITARY SEWERS SHALL BE EXACTLY THE SAME AS THOSE TO WATER MAINS.

STRUCTURE PROTECTION

MANHOLES AND CONDUIT TO BE PLACED ADJACENT TO EXISTING STRUCTURES SUCH AS BRIDGE BRIDGE FOOTINGS/PIERS, BUILDING FOUNDATIONS, WALLS, POWER AND TELEPHONE POLES, AND OTHER UTILITIES SHALL MAINTAIN A MINIMUM CLEARANCE AS SHOWN. THE CONTRACTOR SHALL NOT UNDERMINE ANY ADJACENT STRUCTURE WITHOUT SPECIFIC WRITTEN PERMISSION FROM THE OWNER/OPERATOR OF SUCH STRUCTURE.

SHORING USED AS FOUNDATION SUPPORT SHALL BE DESIGNED SPECIFICALLY FOR BOTH THE LIVE AND DEAD LOADS OF THE STRUCTURE, OR IF ONLY THE DEAD LOAD IS USED FOR DESIGN, THE CONTRACTOR SHALL PROVIDE A DETAILED LAYOUT AND PLAN OF THE METHOD OF ESTABLISHING AND MAINTAINING THE DESIGN LOAD CONDITIONS (I.E., ROAD DETOURS, TIEBACKS, ETC.).

SEE UTILITY CLEARANCE SECTION NOTES FOR CLEARANCE CRITERIA TO PARALLEL OR CROSS UTILITIES.

EXISTING UTILITIES EXPOSED DURING EXCAVATION SHALL BE 100% SUPPORTED BY EITHER TRENCH BRIDGING AND SUSPENSION OR BY THE USE OF LONGITUDINAL TRAYS OR PLATFORMS VERTICALLY SUPPORTED BY ADJUSTABLE BUILDING JACKS.

EXISTING SPLICE CASES AND CABLES SHALL BE SUPPORTED BY SUSPENSION FROM A CROSSING BEAM. SUPPORTS SHALL BE PLACED AT A MAXIMUM SPACING OF 4.0 FEET AND SHALL CONSIST OF A CANVAS SLING WITH NYLON BELTING OR ROPE. ALL CABLE SUPPORTS SHALL BE PLACED IN A MANNER THAN PREVENTS KINKS OR OTHER DAMAGE TO THE CABLE SHEATH.

AN ACCEPTABLE ALTERNATIVE TO CABLE SLINGS WOULD BE THE UTILIZATION OF A WIDE FLANGE "I" BEAM OR CHANNEL AS A "CABLE TRAY" WITH THE CABLES/CASES BANDED IN PLACE.

SHORING

THE CONTRACTOR SHALL PROVIDE SHORING FOR CONDUIT TRENCH EXCAVATION 42" OR MORE IN DEPTH AS MEASURED FROM THE HIGH SIDE OF THE TRENCH AND FOR ALL MANHOLE EXCAVATION.

MANHOLE SHORING SHALL BE TIGHT-SHEETED.

ALL SHORING SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF LOCAL COUNTY AND THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA).

SHORING SHALL BE DESIGNED TO MEET H-20 HIGHWAY LOADING.

THE CONTRACTOR SHALL PROVIDE ALL SHORING AND DESIGN CALCULATIONS TO THE PERMIT ISSUING AGENCY PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITY.

UTILITY NOTE:

EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND BASED ON AVAILABLE RECORDS, VERBAL INFORMATION AND/OR PHYSICAL FEATURES. PRIOR TO CONSTRUCTION (AT LEAST 72 HOURS OR THE MORE RESTRICTIVE MINIMUM NOTIFICATION PERIOD), THE CONTRACTOR SHALL CONTACT SUNSHINE 811 TO ALLOW MARKING OF EXISTING BURIED UTILITIES WITHIN THE SCOPE OF THE PROPOSED WORKZONE.

SOFT DIGS &/OR POTHOLING SHALL BE REQUIRED BY CONTRACTOR TO IDENTIFY EXISTING UTILITY DEPTHS.

MINIMUM 24" SEPARATION SHALL BE MAINTAINED FROM ALL EXISTING UTILITIES UNLESS SUPERVISED.

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TEP OPCO, LLC FL COA# 31011

JOSHUA H. CARDEN LICENSE No 83511 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 5th, 2026

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SHEET TITLE:
GENERAL NOTES

PROJECT MANAGER:	SHAINE HERRICK
PROJECT ENGINEER:	DARIA COSTIN
PROJECT NUMBER:	U38573
DESCRIPTION:	1905 RODERICK LN
DRAWING NAME:	U38573 - SWALLOWTAIL CANAL - 1905 RODERICK LN-LA-MSID-1

SHEET:
D2 of 1

CONFIDENTIAL/PROPRIETARY

FDOT CONSTRUCTION NOTES

1. Aerial crossings of State roads involving temporary lane closures are to be done between the hours of 12:00 am and 5:00 am Monday through Thursday unless previously approved by the Department.

2. When directional bore is the method of installation, a minimum 24-inch separation shall be maintained from all existing utilities unless supervised, ITS/ATMS lines, and storm drain systems while maintaining the minimum required depth under pavement or non-paved ground.

3. If the proposed utility cannot be installed per the approved permitted plan and by FDOT specifications, a revised plan must be provided to the Department for review and approval prior to the installation of products or materials at the given locations where conflicts occur.

4. Any new proposed plan shall include cross sections, plan views and profiles of the State road adequately reflecting all right-of-way features including but not limited to existing utilities, storm drain systems and any above or below ground appurtenances where applicable.

5. No pedestrian pathway is to be removed, blocked, or disturbed without having a sufficient designated temporary pedestrian pathway with all appropriate pedestrian maintenance of traffic signs (Index 660) in-place prior to pathway being affected.

6. All temporary pedestrian pathways must be firm and unyielding.

7. Any sidewalk disturbed will be replaced by section within 72 hours to FDOT specifications.

8. Any sidewalk fronting the property that is cracked, damaged or unstable and is creating an ADA trip hazard must be replaced by section, using Standard #520-001, #522-002, and #522-001 for the construction of sidewalk and meet current ADA Standards. All concrete placed in the right of way shall be a minimum of 6" thick, FDOT Certified Class 1 non-structural, 57 stone, 2500 PSI concrete, with fiber mesh material from a FDOT approved plant.

9. FDOT reserves the right to make adjustments to any permitted method of installation, scope of work, and restoration that may be required to positively support life, safety, and environmental well-being of all users of the transportation system.

10. The Permittee shall notify the FDOT of date of completion, request a final inspection, and a Notice of Final Acceptance.

11. All construction and/or maintenance in the FDOT right-of-way shall conform to the Federal Manual on Uniform Traffic Devices (MUTCD), the FDOT Roadway and Traffic Design Standards, the Standard Specifications for Road and Bridge Construction, the Florida Design Manual, and the Drainage Manual.

12. Prior to removal of existing curb or driveway, the edge of travel shall be sawcut to avoid damaging the existing roadway asphalt. All concrete to be removed in FDOT right-of-way shall be sawcut and removed from the nearest joint.

13. No lane closure of any State roadway is allowed without a minimum of two (2) weeks advance notification and approval from FDOT.

14. Lane closures must be limited to Sunday through Thursday 8:00 pm to 5:30 am unless otherwise approved by FDOT.

15. Any sidewalk damaged because of work being performed in association with the Permittee and Contractor shall be removed and replaced with 6-inch thick Class 1 non-structural, 2,500 PSI with fiber mesh.

16. Open cutting of any roadway, driveway or sidewalk outside those limits identified within the permit are not allowed without prior approval of by FDOT.

17. The Contractor shall have an authorized person available at/or near the work site on a 24-hour basis, 7 days a week in order to address emergency issues associated with the project.

18. No stockpiling, storing or semi-permanent use of the right-of-way is authorized unless specifically identified within the permit.

19. No work shall be performed during the weeks of any State or Federal holiday unless otherwise approved in writing by FDOT.

20. The permitted work schedule is defined as Monday through Friday 7:00 am to 5:30 pm unless otherwise noted within the permit. Any work desired outside of this period must be requested in advance and approved before working the alternate schedule.

21. When work is associated with roadway modifications and/or site development, the Contractor is required to have a preconstruction meeting with the FDOT inspector two weeks prior to any construction beginning within the right-of-way.

22. All work performed under this permit within the right-of-way is to be scheduled with FDOT inspection staff.

23. Roadway restoration shall utilize 100 PSI excavatable flowable fill material and asphalt placed within the State right-of-way shall be placed full-depth, two 2.5-inch lifts of SP 12.5, two 1.5-inch lifts of SP 9.5. Typical sections will need to be provided within the plans for the pavement placement. A stair step method should be incorporated, prior to placing asphalt, to avoid vertical joints. Milling of the patch may be required based on the patched surface performance. The milling shall be utilized for surface leveling to a thickness equal to or greater than the existing friction coarse material. The milling limits are 50-foot of the patch along the longitudinal path of the lane, full lane width and to include any adjacent bike lanes, shared path or urban shoulder sections.

24. Any disruptions to any permeable pedestrian way and bike lane are to be restored as work continues. All patches shall be full width from outside edge of pedestrian path to white line edge of travel lane with stair step (staggered) joints. Restoration to include backfill with existing sub-grade material and #57 stone as base material (compact in 6-inch lifts) to bottom of existing pervious asphalt base, followed by permeable design mix (if available) or FC-5 (Friction Course) mix with a minimum 2-inch and maximum 3-inch lifts. Maintain ingress/egress on all drives and side streets during construction.

25. Any bore pit greater than five (5) feet in depth requires a Sheeting and Shoring Plan as well as a Dewatering Plan.

lumos

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CONSTRUCTION NOTES

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PROJECT ENGINEER:	DARIA COSTIN
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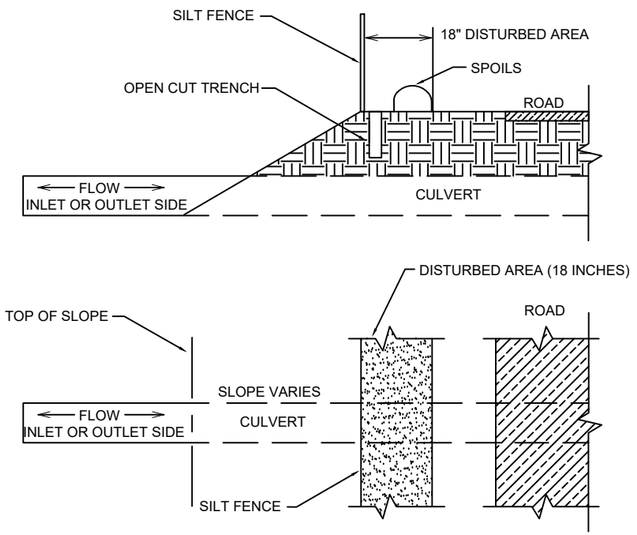
SHEET:
E of 1

CONFIDENTIAL/PROPRIETARY

TYPICALS

CULVERT CUT OVER ON ROADSIDE SHOULDER

NOT TO SCALE



GENERAL NOTES

1. INSTALL SILT FENCE TO PROTECT DOWNSTREAM AREAS FROM SEDIMENTATION PRIOR TO CONSTRUCTION.
2. INSTALL SILT FENCE AS NEEDED TO PROTECT DRAINAGE FEATURES, BUT NO LESS THAN 10' ON EITHER SIDE OF CULVERT.

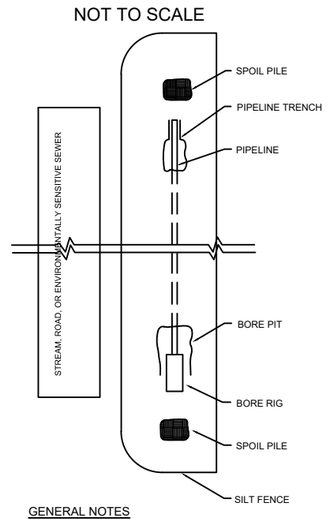
MAINTENANCE NOTES

INSPECT CULVERT CROSSING STRUCTURES WEEKLY AND AFTER EACH SIGNIFICANT RAINFALL EVENT (0.5" OR GREATER) TO SEE IF ANY EROSION AROUND OR BELOW THE SILT FENCE HAS OCCURRED, IMMEDIATELY MAKE ALL NEEDED REPAIRS TO PREVENT FURTHER DAMAGE.

*REF: 6.41.5 NC Erosion and Sediment Control Planning and Design Manual, 2006

DIRECTIONAL BORE DETAIL (PARALLEL)

NOT TO SCALE

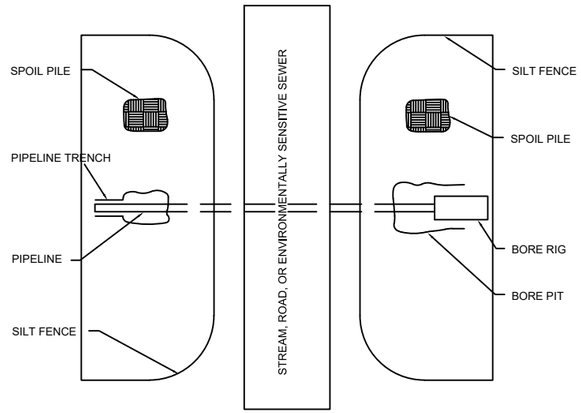


GENERAL NOTES

1. BORE PITS AND SPOILS PILES SHALL BE ENCLOSED ON THREE SIDES AS SHOWN WITH SILT FENCE

DIRECTIONAL BORE DETAIL (TRAVERSE)

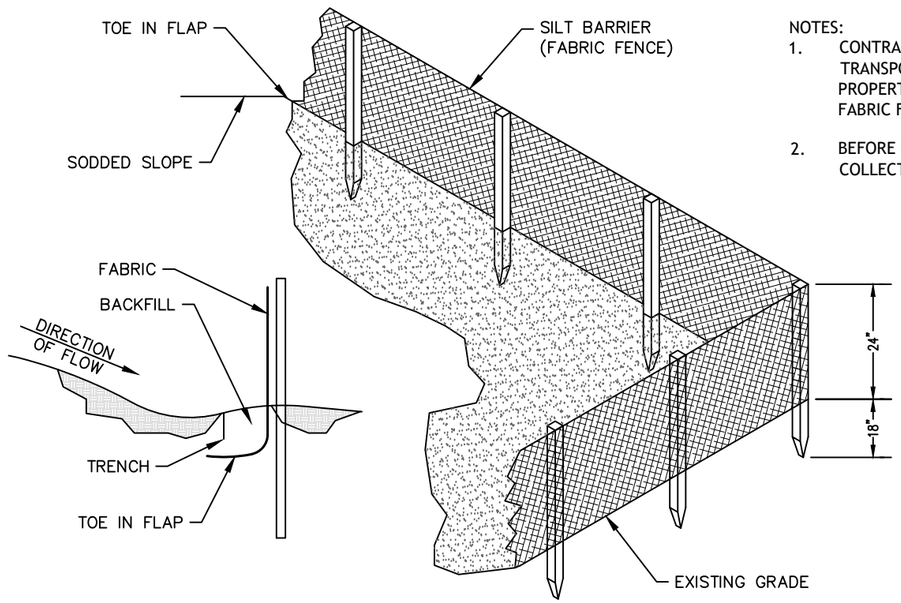
NOT TO SCALE



GENERAL NOTES

1. BORE PITS AND SPOILS PILES SHALL BE ENCLOSED ON THREE SIDES AS SHOWN WITH SILT FENCE

FABRIC FENCE SILT - BARRIER



NOTES:

1. CONTRACTOR IS REQUIRED TO PREVENT ANY SEDIMENT TRANSPORT FROM THE PROJECT SITE ON TO ADJACENT PROPERTY. INSTALLATION OF EITHER BALED HAY OR FABRIC FENCE TYPE SILT BARRIER IS ACCEPTABLE.
2. BEFORE REMOVING SILT BARRIER, CONTRACTOR SHALL COLLECT AND DISPOSE OF ANY ACCUMULATED SILT.

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SHEET: F of 1

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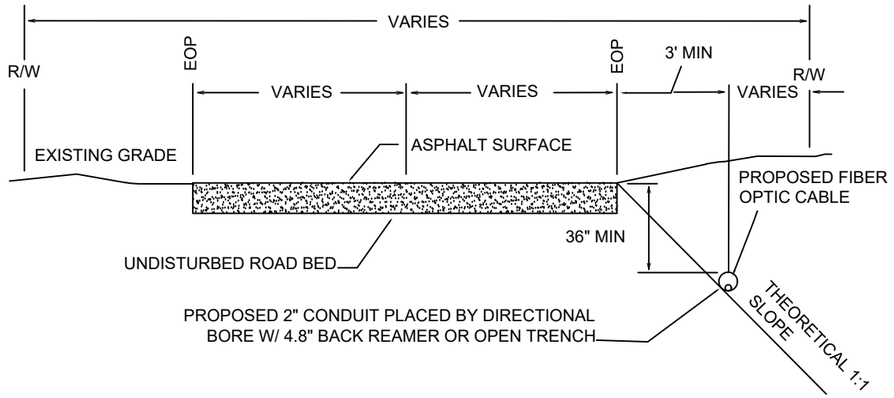
TYPICALS

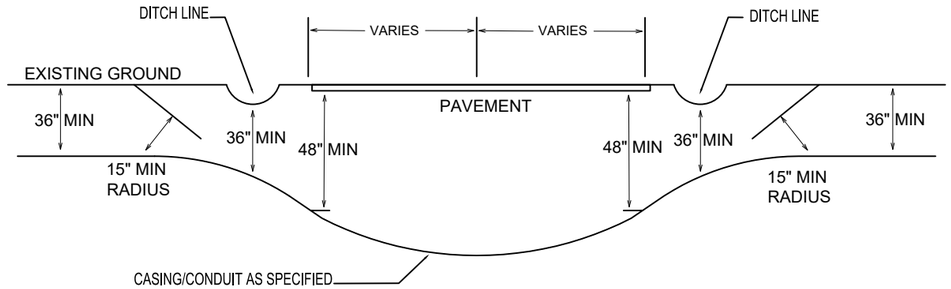
PARALLEL CONDUIT DETAIL FOR FDOT RIGHT-OF-WAY

NOT TO SCALE



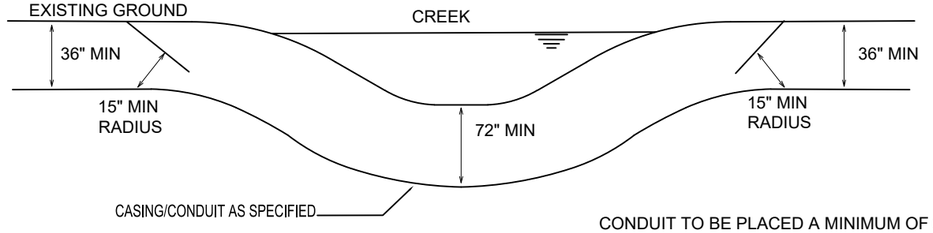
DIRECTIONAL BORE UNDER SECONDARY ROADWAY

NOT TO SCALE



DIRECTIONAL BORE UNDER CREEK BED

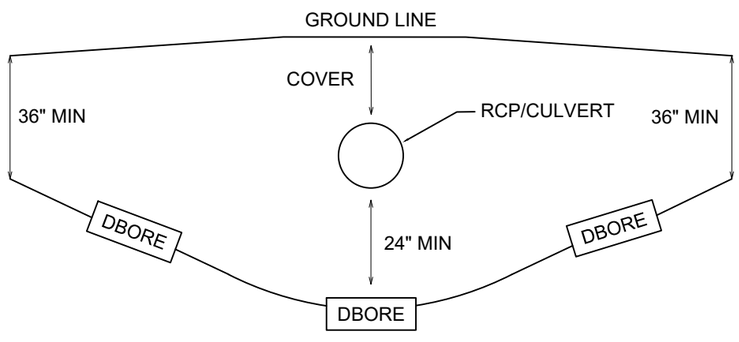
NOT TO SCALE



CONDUIT TO BE PLACED A MINIMUM OF 6 FEET BELOW CREEK BED

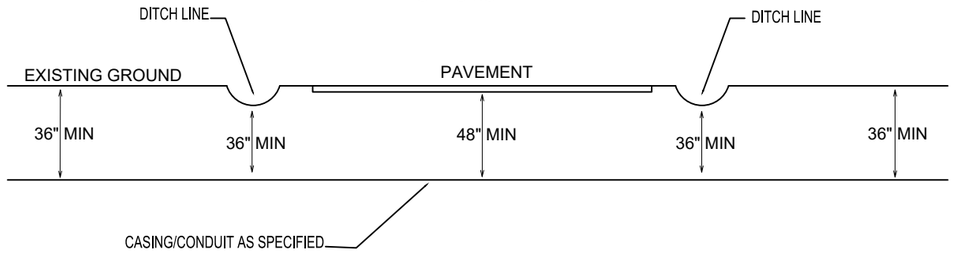
CULVERT CROSSING DETAIL

NOT TO SCALE



DRY BORE UNDER ROADWAY

NOT TO SCALE



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0	ORIGINAL	DC	05/05/2026

TEP OPCO, LLC FL COA# 31011

JOSHUA H. CARDEN LICENSE No 83511 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 5th, 2026

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SHEET TITLE: TYPICALS

PROJECT MANAGER:	SHAINE HERRICK
PROJECT ENGINEER:	DARIA COSTIN
PROJECT NUMBER:	U38573
DESCRIPTION:	1905 RODERICK LN
DRAWING NAME:	U38573 - SWALLOWTAIL CANAL - 1905 RODERICK LN-LA-MSID-1

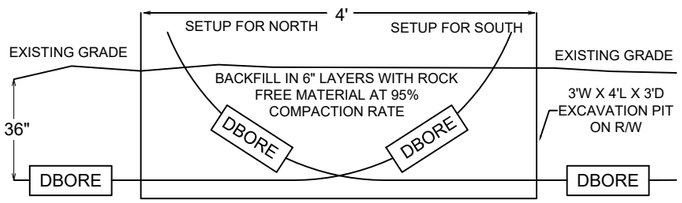
SHEET: G of 1

CONFIDENTIAL/PROPRIETARY

TYPICALS

DIRECTIONAL BORE TIE-IN DETAIL

NOT TO SCALE

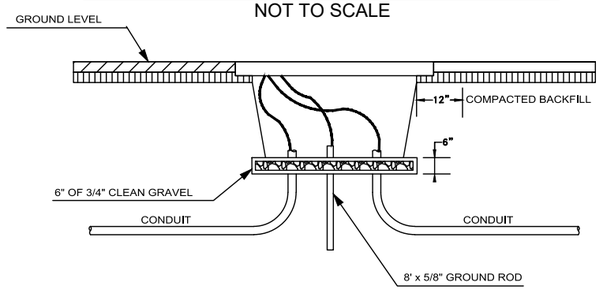


TIE-IN STATION

- BORE FROM EACH DIRECTION IS RUN AT DESIGN DEPTH TO 2 FEET PAST THE INTENDED TIE-IN. THEN TURNED UP TO DAYLIGHT.
- THE TIE-IN POINT IS EXCAVATED. THE CONDUITS CUT OFF WHERE THEY CROSS EACH OTHER AT DESIGN DEPTH, AND A COUPLER IS INSTALLED TO CONNECT THE TWO CONDUITS AT THE DESIGN DEPTH.
- ALL EXCAVATIONS OR TRENCHES 4 FEET OR GREATER IN DEPTH SHALL BE APPROPRIATELY BENCHED, SHORED, OR SLOPED IN OSHA'S EXCAVATION STANDARD, 29 CFR 1926.650, .651, AND .652

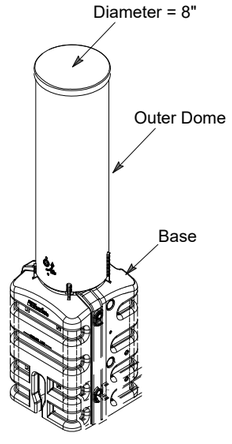
PULL BOX HANDHOLE

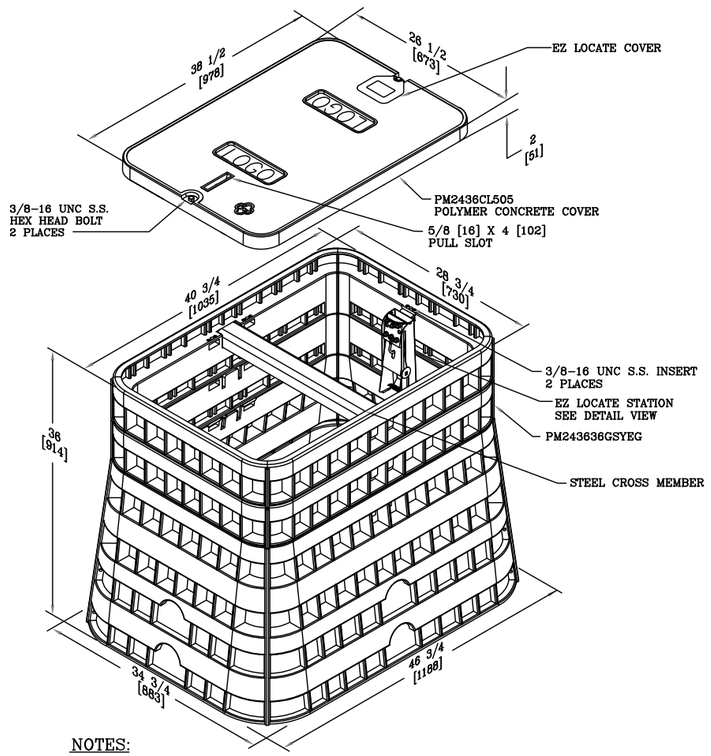
NOT TO SCALE



ALL EXCAVATIONS OR TRENCHES 4 FEET OR GREATER IN DEPTH SHALL BE APPROPRIATELY BENCHED, SHORED, OR SLOPED ACCORDING TO THE PROCEDURES AND REQUIREMENTS SET FORTH IN OSHA'S EXCAVATION STANDARD, 29 CFR 1926.650, .651, AND .652.

BDO204-EG

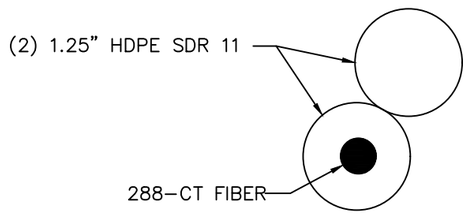




NOTES:

1. BOX MATERIAL TO BE HDPE PLASTIC, COVER MATERIAL TO BE POLYMER CONCRETE.
2. COLOR TO BE GREY.
3. THIS ASSEMBLY HAS A LOAD RATING OF 20,000 LBS. [88,960 N].

PIPE DETAIL



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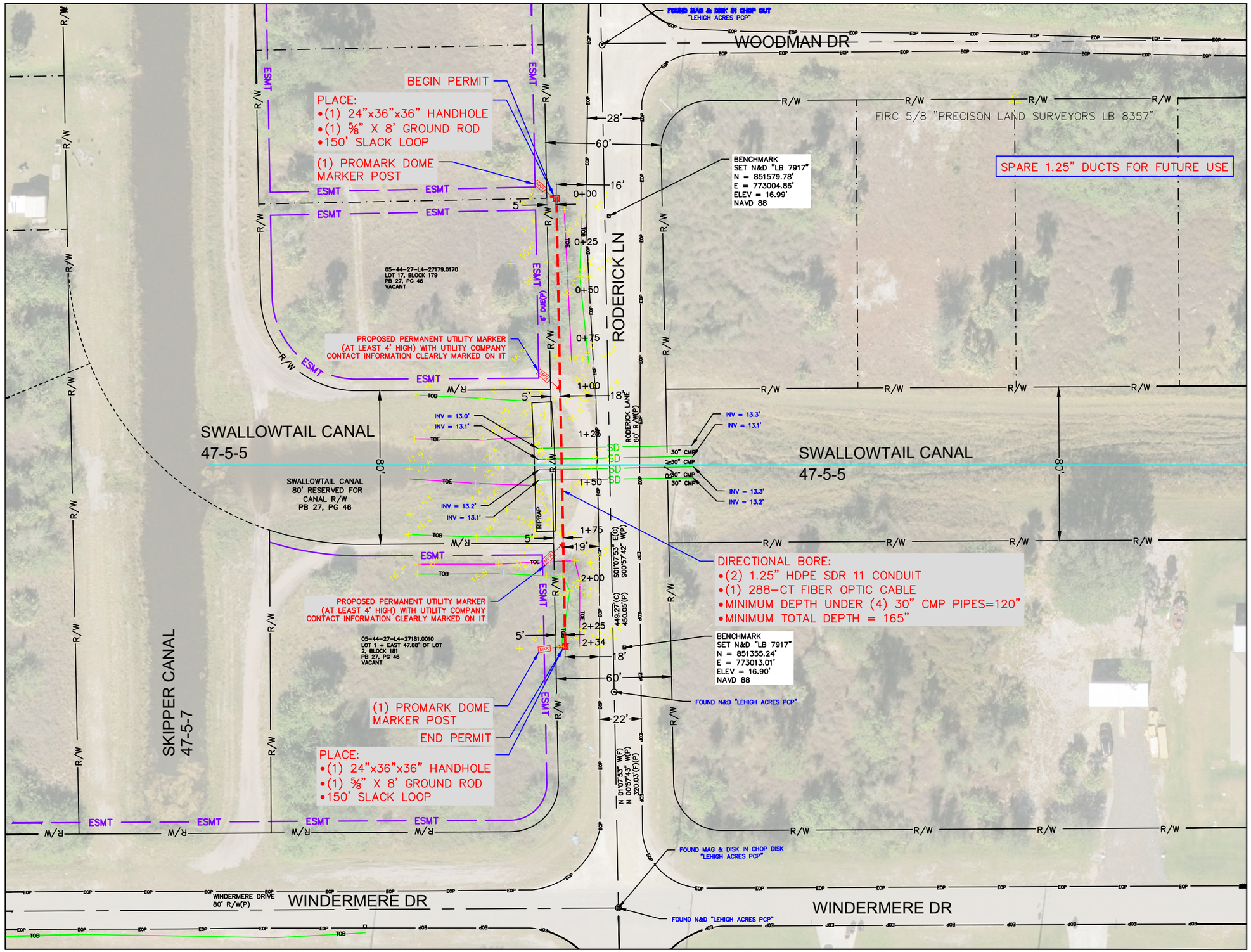
SHEET: H of 1

CONFIDENTIAL/PROPRIETARY



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0 10' 20' 30' 40' 50'
SCALE: 1"=50'

N

811
Know what's below
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TEP OPCO, LLC FL COA# 31011

JOSHUA H. CARDEN
LICENSE
No 83511
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

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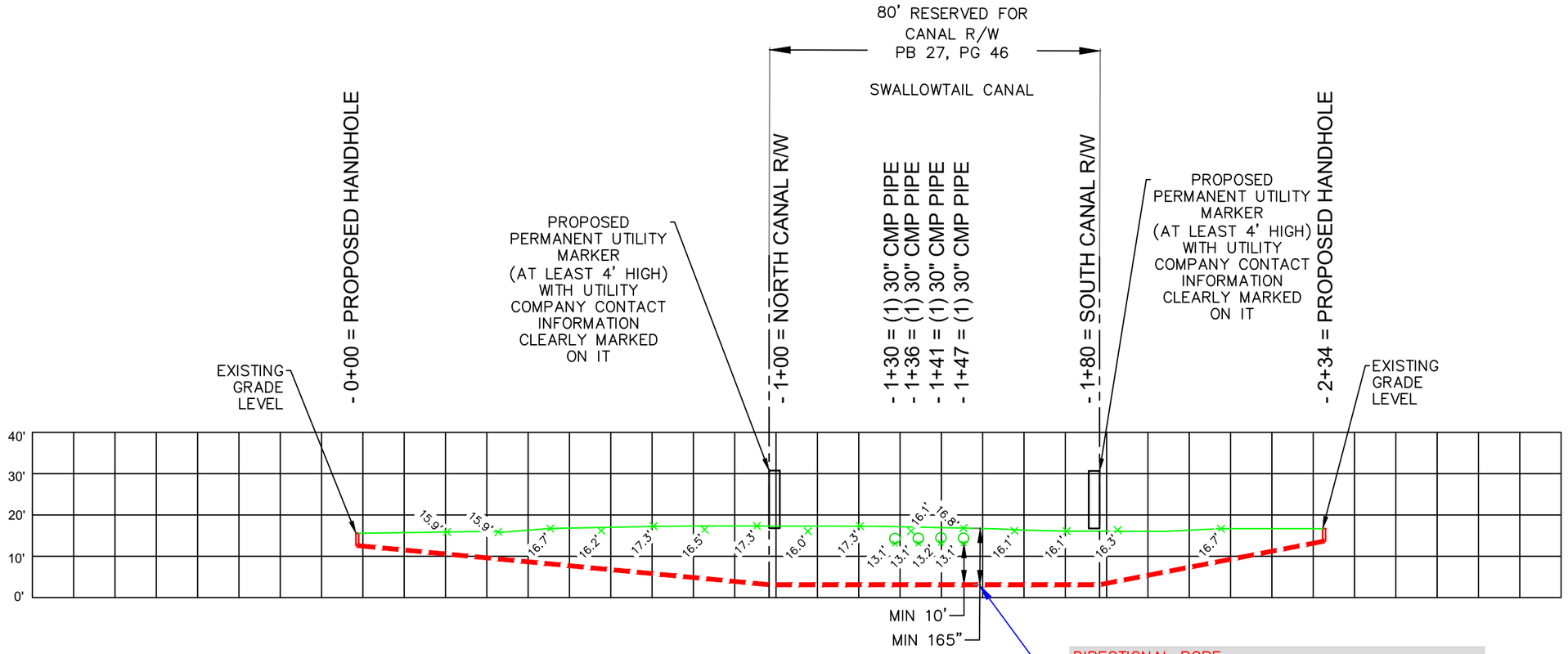
SHEET:	1 of 1

CONFIDENTIAL/PROPRIETARY

SUB-GRADE VERTICAL PROFILE VIEW
RODERICK LN
FACING EAST



UTILITY NOTE:

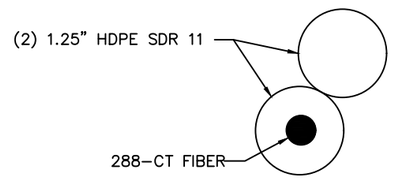
EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND BASED ON AVAILABLE RECORDS, VERBAL INFORMATION AND/OR PHYSICAL FEATURES. PRIOR TO CONSTRUCTION (AT LEAST 72 HOURS OR THE MORE RESTRICTIVE MINIMUM NOTIFICATION PERIOD), THE CONTRACTOR SHALL CONTACT SUNSHINE 811 TO ALLOW MARKING OF EXISTING BURIED UTILITIES WITHIN THE SCOPE OF THE PROPOSED WORKZONE.

NOTE:

BORE MUST BE 10' BELOW THE LOWEST PIPE INVERT OR THE CANAL BOTTOM, WHICHEVER IS LOWEST, FOR THE ENTIRE 80' WIDE CANAL RIGHT OF WAY.

ALL CANAL RIGHT OF WAY THAT IS DISTURBED MUST BE RESTORED WITH SOD AND MAINTAINED UNTIL WELL ESTABLISHED. NO SEEDING WILL BE ALLOWED.

PIPE DETAIL



NOTE:

BORE TO MAINTAIN A MINIMUM DEPTH OF 48" BELOW GRADE AND A MINIMUM DEPTH OF 48" BELOW TOP OF ROADWAY. A MINIMUM OF 30" SEPARATION SHALL BE MAINTAINED FROM ALL EXISTING UTILITIES, ITS/ATMS, AND STORM DRAIN SYSTEMS UNLESS SUPERVISED. NO BACK REAMER REQUIRED DUE TO SIZE OF 4" BIT. SOFT DIGS &/OR POTHOLING MAY BE REQUIRED BY CONTRACTOR TO IDENTIFY EXISTING UTILITY DEPTHS.

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TAMPA, FL 33610

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0 10' 20' 30'
SCALE: 1"=30'

N

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SHEET:
1A of 1

CONFIDENTIAL/PROPRIETARY

STREET LEVEL VIEW
STA 1+75
FACING NORTH



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SHEET:	I1 of 1

CONFIDENTIAL/PROPRIETARY

STREET LEVEL VIEW
STA 1+00
FACING SOUTH



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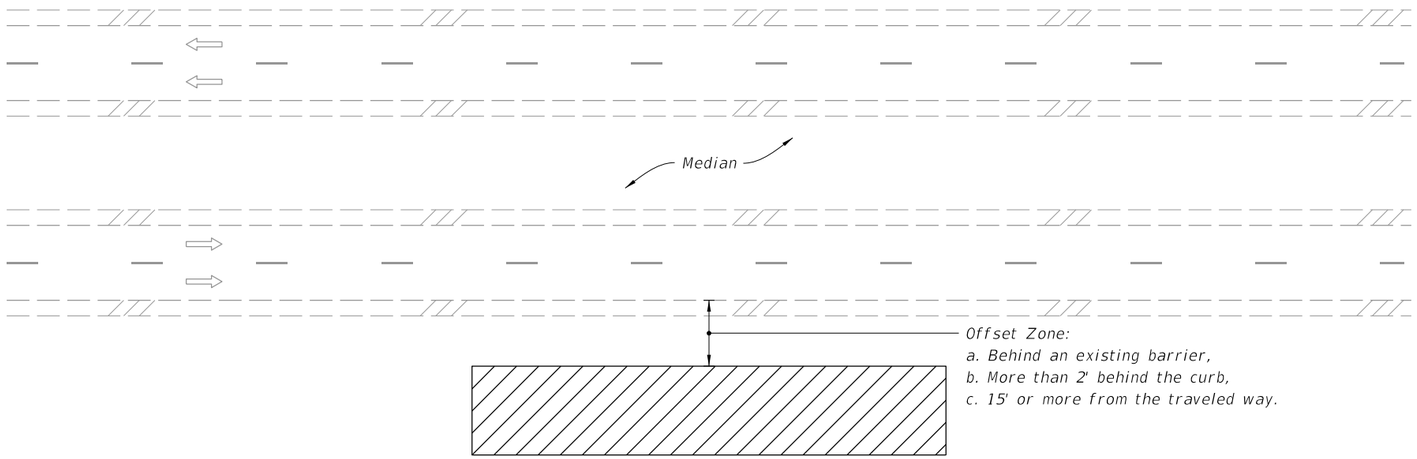


MULTILANE ROADWAY SHOWN, TWO-LANE ROADWAY SIMILAR

NOTES:

1. This Index applies to Two-Lane, Two-Way and Multilane Roadways, including Medians of divided roadways, with work beyond the shoulder.

2. Use Index 102-602 when the work operation (excluding establishing and terminating the work area) requires that two or more work vehicles cross the Offset Zone in any one hour period.

3. Use Index 102-660 when Work Area encroaches a Sidewalk.

SYMBOLS:

Work Area

Lane Identification and Direction of Traffic

9/10/2024 10:45:01 AM

LAST REVISION	REVISION	DESCRIPTION:			INDEX	SHEET
11/01/20			FY 2025-26 STANDARD PLANS	TWO-LANE AND MULTILANE ROADWAY, WORK BEYOND THE SHOULDER	102-601	1 of 1

NOTE:

1. This Index applies to Two-Lane, Two-Way and Multilane Roadways, including Medians of divided roadways, with work on the shoulder.

2. L = Taper Length
   X = Work Zone Sign Spacing
   B = Buffer Length
   See Index 102-600 for "L", "X", "B", and channelizing device spacing values.

3. Where work activities are between 2' and 15' from the edge of traveled way, the Engineer may omit signs and channelizing devices for work operations 60 minutes or less.

4. When four or more work vehicles enter the through traffic lanes in a one hour period (excluding establishing and terminating the work area), use a flagger or lane closure to accommodate work vehicle ingress and egress.

5. For work less than 2' from the traveled way and work zone speed is greater than 45 MPH, use a lane closure.

6. The "Speeding Fines Doubled When Workers Present" signs (M0T-13-06) and "End Road Work" Signs (G20-2) along with the associated work zone sign spacing distances may be omitted when the work operation is in place for 24 hours or less.

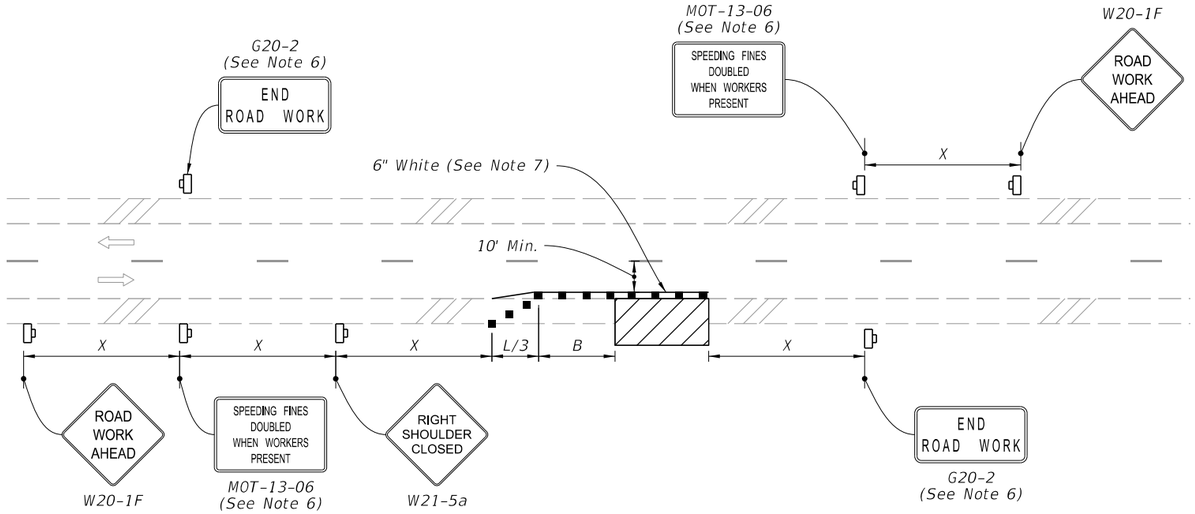
7. Temporary pavement markings may be omitted when the work operation is in place for 3 days or less.

8. Omit "Shoulder Closed" signs (W21-5a) along with associated work zone sign spacing distances for work on the median.

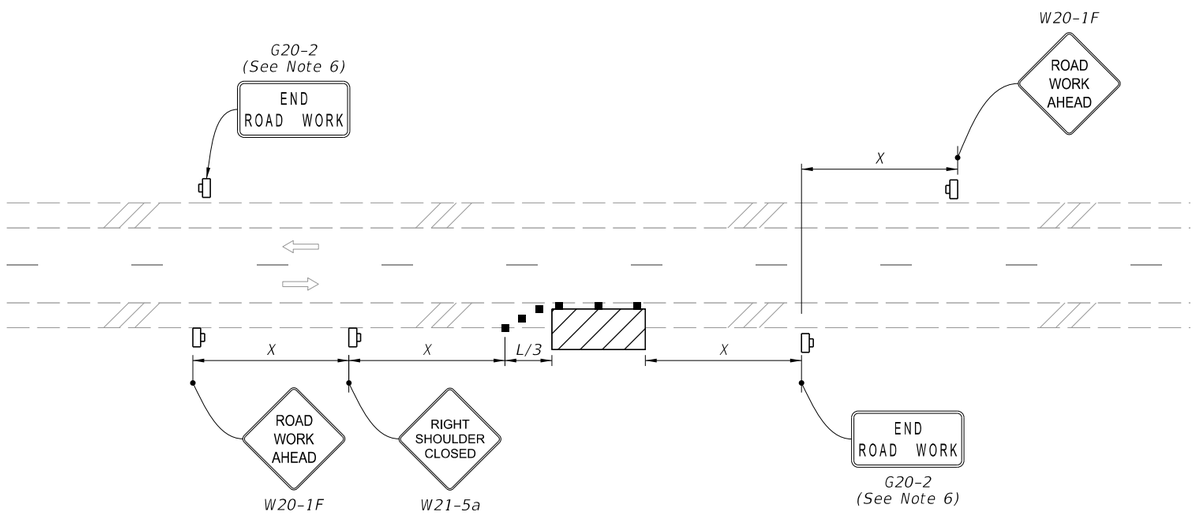
9. When there is no paved shoulder, the "Worker" sign (W21-1) may be used instead of the "Shoulder Closed" sign (W21-5a).

SYMBOLS:

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Lane Identification and Direction of Traffic



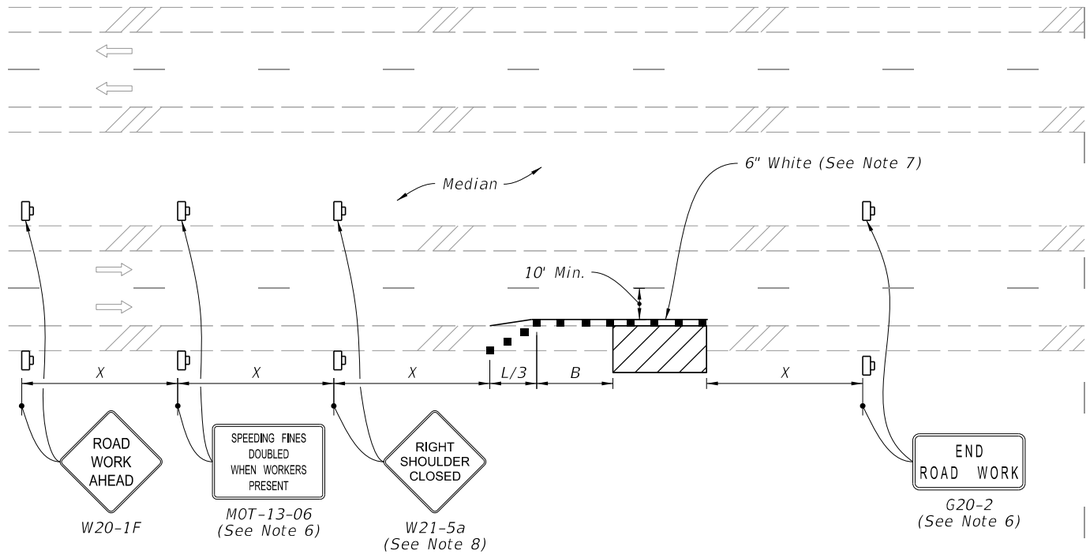
TWO-LANE ROADWAY
SHOULDER WORK LESS THAN 2' FROM THE TRAVELED WAY
WITH WORK ZONE SPEED OF 45 MPH OR LESS



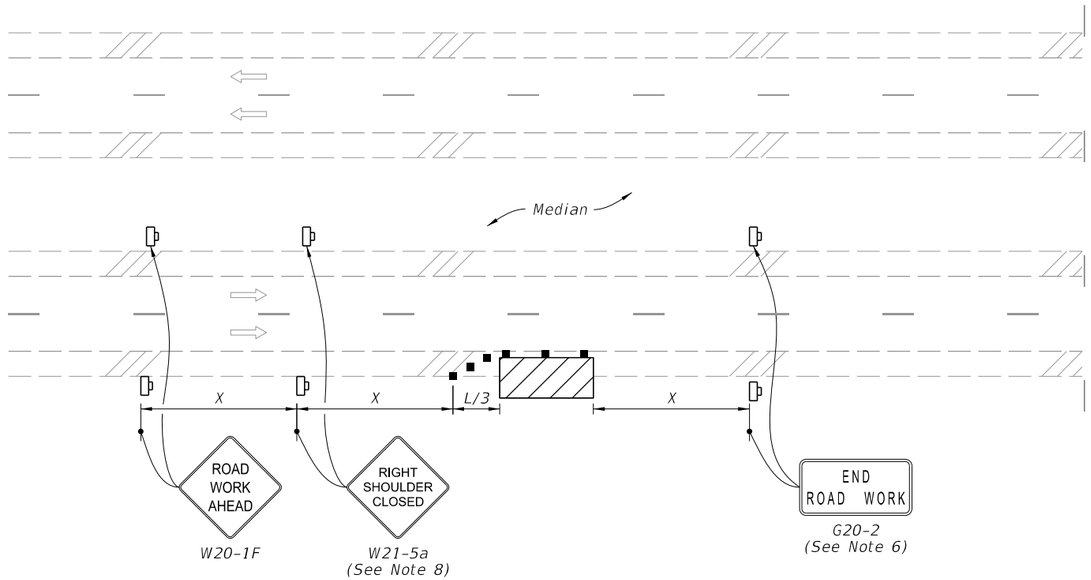
TWO-LANE ROADWAY
SHOULDER WORK BETWEEN 2' AND 15' FROM THE TRAVELED WAY

9/10/2024 10:45:37 AM

LAST REVISION	REVISION	DESCRIPTION:			INDEX	SHEET
11/01/21			FY 2025-26 STANDARD PLANS	TWO-LANE AND MULTILANE, WORK ON SHOULDER	102-602	1 of 2



MULTILANE ROADWAY
SHOULDER WORK LESS THAN 2' FROM THE TRAVELED WAY
WITH WORK ZONE SPEED OF 45 MPH OR LESS



MULTILANE ROADWAY
SHOULDER WORK BETWEEN 2' AND 15' FROM THE TRAVELED WAY

SYMBOLS:

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Lane Identification and Direction of Traffic

9/10/2024 10:45:44 AM

LAST REVISION	REVISION	DESCRIPTION:				
11/01/20			FY 2025-26 STANDARD PLANS	TWO-LANE AND MULTILANE, WORK ON SHOULDER	INDEX 102-602	SHEET 2 of 2

NOTES:

1. Cover or deactivate pedestrian traffic signal display(s) controlling closed crosswalks.

2. Place pedestrian LCDs across the full width of the closed sidewalk.

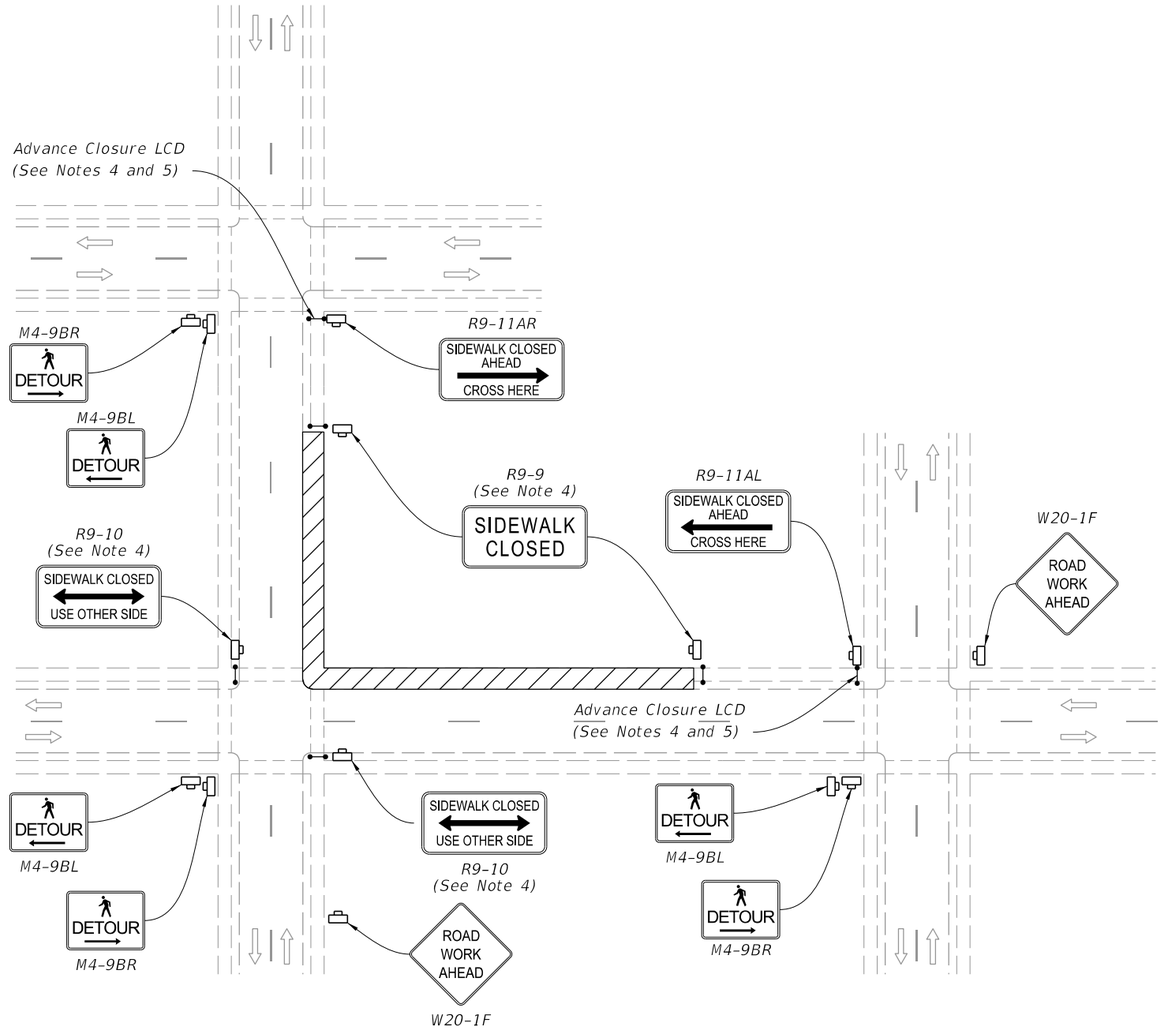
3. For post mounted signs located near or adjacent to a sidewalk, maintain a minimum 7' clearance from the bottom of the sign panel to the surface of the sidewalk.

4. "Sidewalk Closed" signs (R9-XX) may be mounted on pedestrian LCDs in accordance with the manufacturer's instructions.

5. Omit the Advance Closure LCD if it blocks access to other pedestrian facilities (e,g,, transit stops, residences, or business entrances).

SYMBOLS:

- Work Area
- Work Zone Sign
- Pedestrian Longitudinal Channelizing Device (LCD)
- Lane Identification and Direction of Traffic



PEDESTRIAN DETOUR

9/10/2024 11:11:04 AM

LAST REVISION	REVISION	DESCRIPTION:				
11/01/20			FY 2025-26 STANDARD PLANS	SIDEWALK CLOSURE	INDEX 102-660	SHEET 1 of 2

NOTES:

1. L = Taper Length
   B = Buffer Length
   X = Work Zone Sign Distance
   See Index 102-600 for "L", "B", "X", channelizing device spacing values.

2. Provide a 5' wide temporary pedestrian way with a maximum cross-slope of 0.02, except where space restrictions warrant a minimum width of 4'. Provide a 5' x 5' passing space for temporary pedestrian ways less than 5' in width at intervals not to exceed 200'.

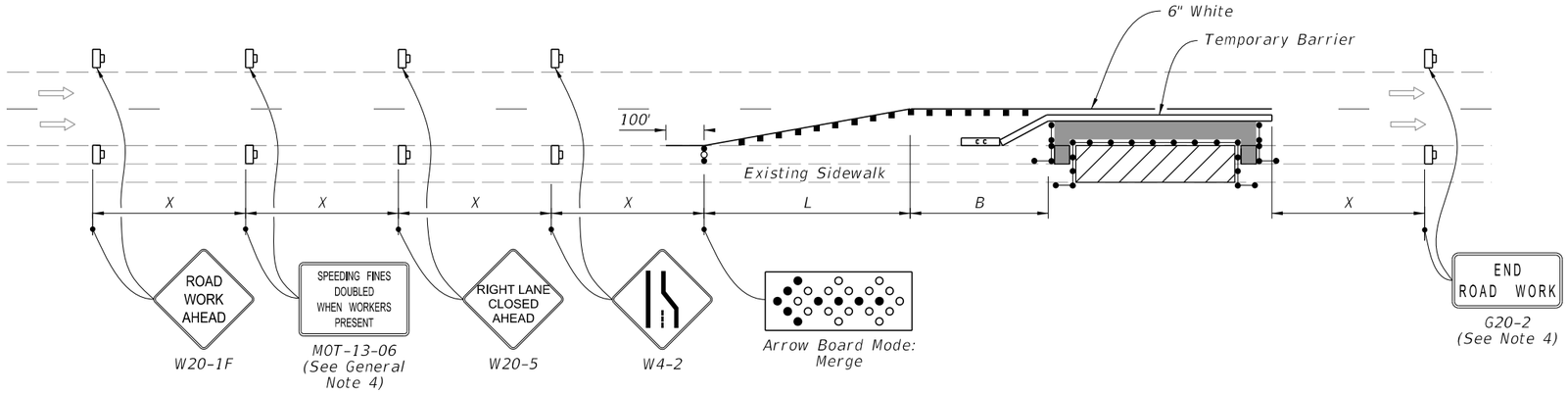
3. When temporary pedestrian ways require curb ramps, meet the requirements of Index 522-002. Detectable warnings are not required for curb ramps diverting pedestrian traffic into a closed lane.

4. The "Speeding Fines Doubled When Workers Present" signs (MOT-13-06) and "End Road Work" signs (G20-2), along with associated work zone sign distances, may be omitted when the work operation will be in place for 24 hours or less.

5. Pedestrian Diversion Option 2 may only be used when called for in the Plans or as approved by an Engineer.

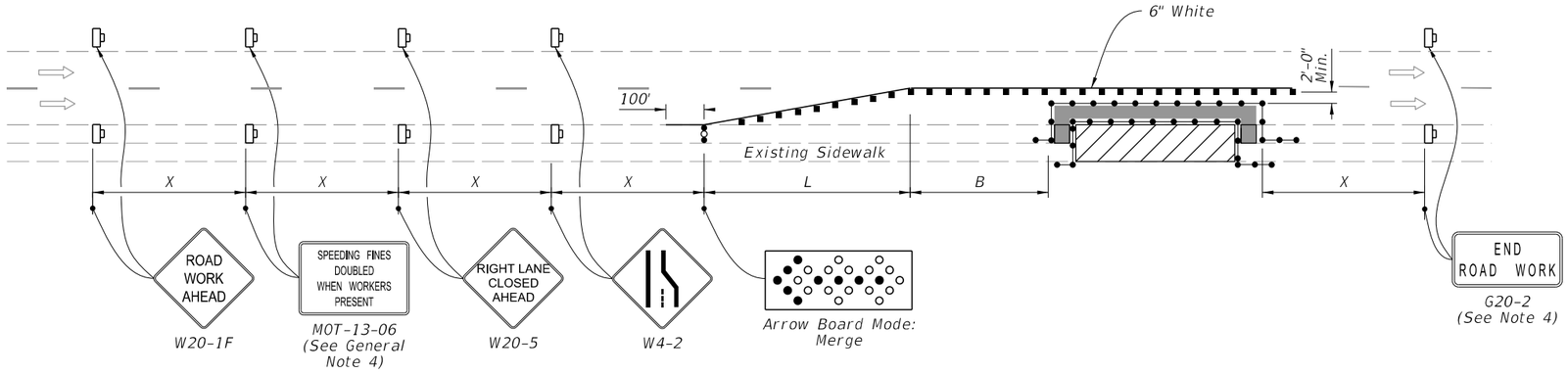
SYMBOLS:

- Work Area
- Temporary Pedestrian Way
- Channelizing Device (See Index 102-600)
- Pedestrian Longitudinal Channelizing Device (LCD)
- Work Zone Sign
- Arrow Board
- Crash Cushion
- Lane Identification and Direction of Traffic



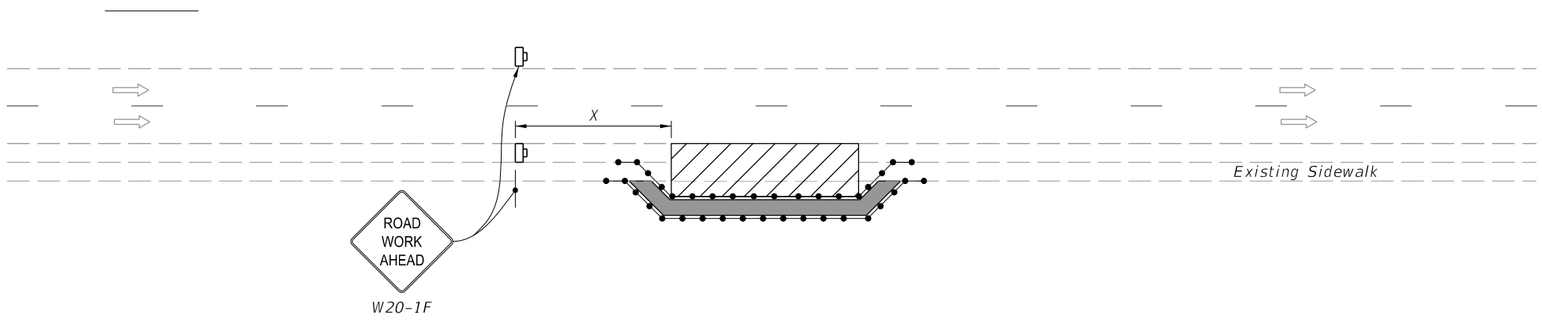
PEDESTRIAN DIVERSION - OPTION 1

(Temporary Barrier Shown, Low Profile Barrier Similar)



PEDESTRIAN DIVERSION - OPTION 2

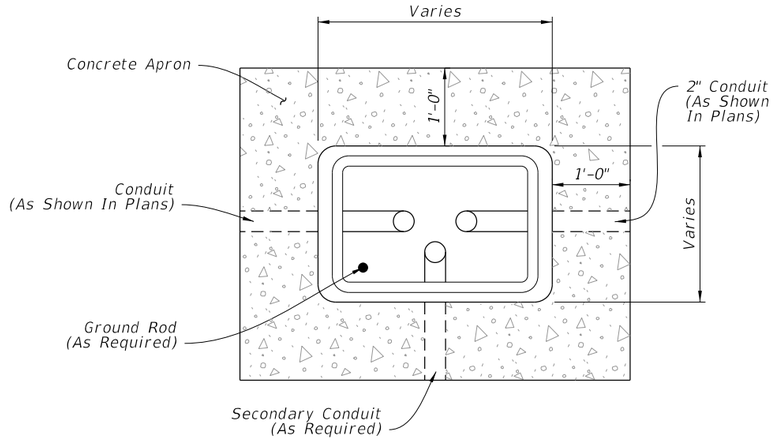
(Work Zone Speed 45 mph or Less)



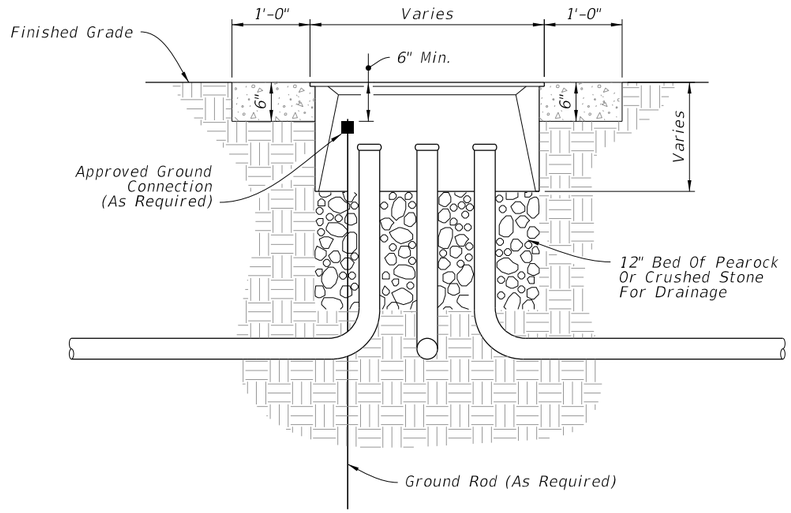
PEDESTRIAN SPECIAL DETOUR

9/10/2024 11:11:11 AM

LAST REVISION	REVISION	DESCRIPTION:			INDEX	SHEET
11/01/23			FY 2025-26 STANDARD PLANS	SIDEWALK CLOSURE	102-660	2 of 2

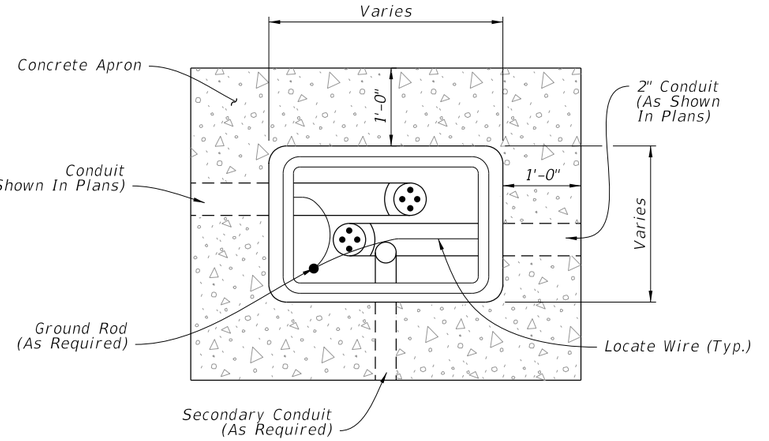


PLAN

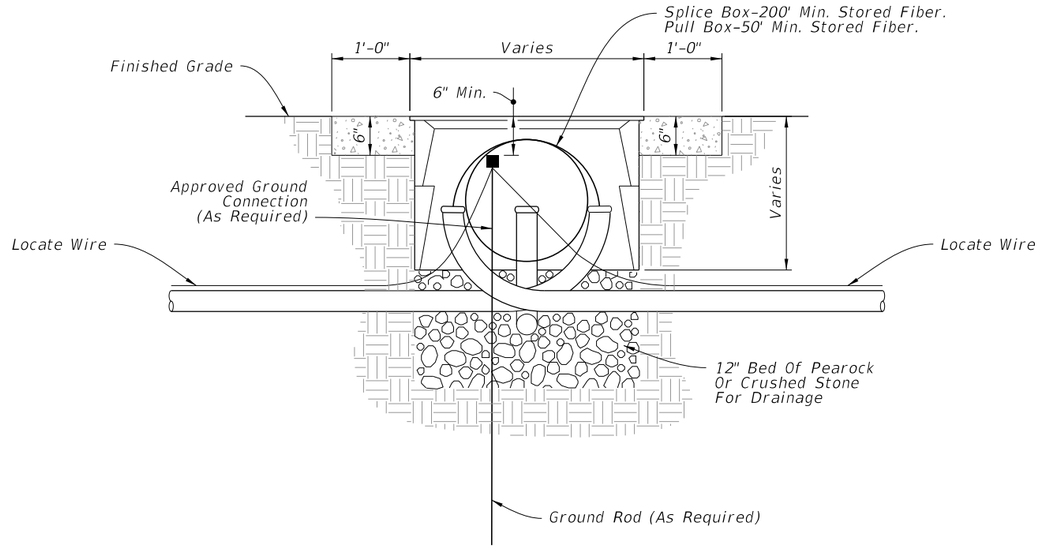


ELEVATION

PULL BOX



PLAN



ELEVATION

FIBER OPTIC BOX

NOTES:

1. Provide fiber optic splice boxes with cable hanger racks designed to support cables and splice enclosures.
2. Install a 1'-0" wide (Min.) concrete apron around all boxes using Class NS concrete. Slope the apron away from the box.
3. Where multiple pull boxes are placed side by side, maintain at least 8" between the pull boxes.
4. Rectangular boxes shown, others similar.

9/10/2024 2:16:11 PM

LAST REVISION	REVISION	DESCRIPTION:	FY 2025-26 STANDARD PLANS	PULL AND SPLICE BOXES	INDEX	SHEET
11/01/18					635-001	1 of 1

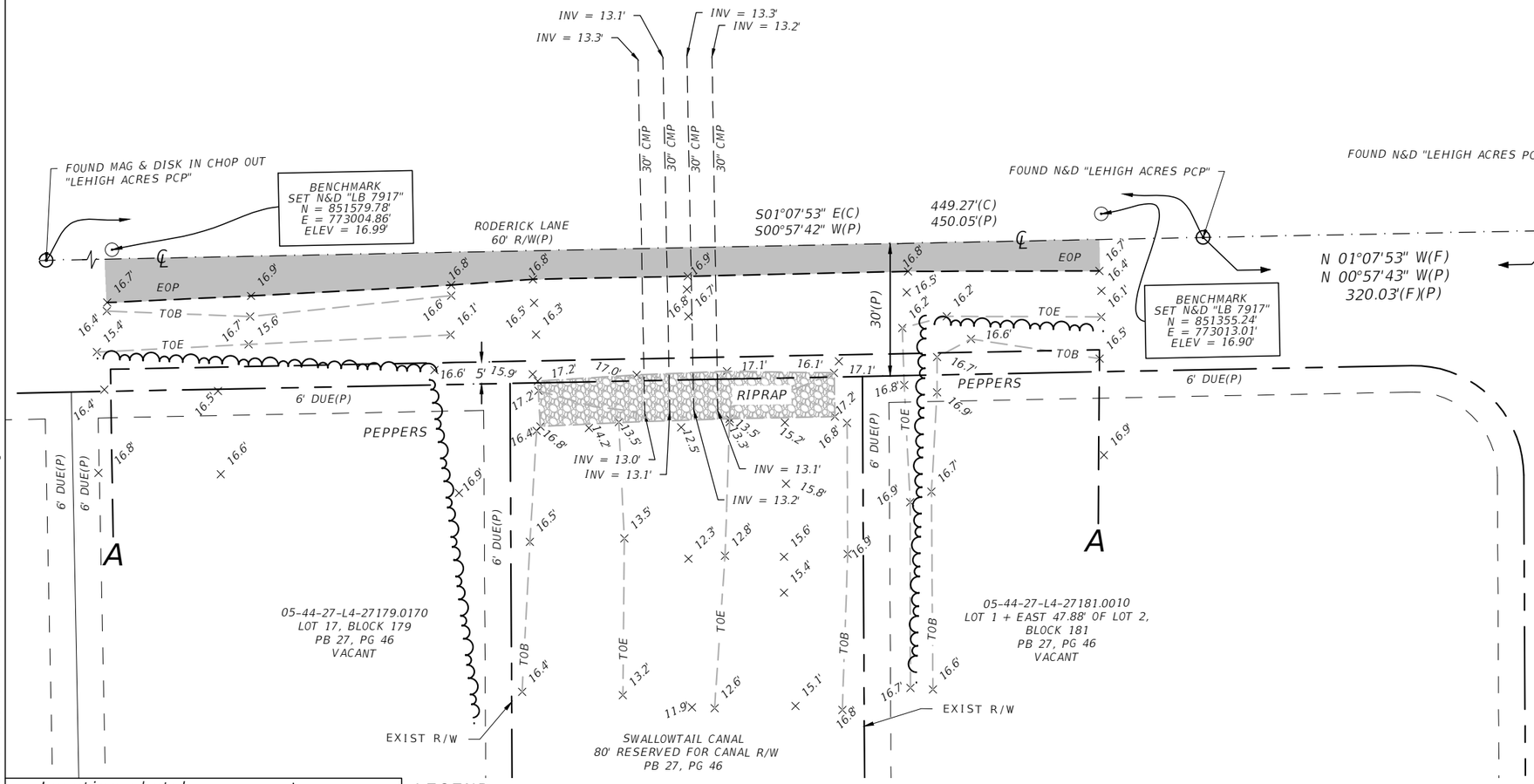
Topographic Survey of a Subject Project Site

lying within

Section 5, Township 44 South, Range 27 East

Lehigh Acres, Lee County, Florida

SEE SHEET 02 FOR 1" = 20'
SECTION A-A PROFILE VIEW



0 15' 30'
(1" = 30')
Graphic Scale

NOTES:

Survey based on the plat of West Part of Unit 27 Greenbriar as recorded in Plat Book 27 Page 45, Public Records of Lee County, Florida and existing monumentation.

This survey prepared as a Topographic Survey for the purpose of locating the features within and adjacent to the Lehigh Acres Municipal Services Improvement District-managed facility West of Roderick Lane between Woodman Drive and Windermere Drive.

The elevations shown hereon are referenced to the North American Vertical Datum of 1988 (NAVD 1988). All elevations are reported in US survey feet and decimals thereof and are based upon the Florida Permanent Reference Network (FPRN) stations maintained by the Florida Department of Transportation.

The subject site lies within Zone "X" per FEMA insurance rate map 125124 0317F (Published 08/28/2008), therefore has no base flood elevation.

The FEMA flood zone information indicated hereon is based on the maps supplied by the Federal Government. This flood information must be verified with all permitting regulatory entities prior to commencing any work or application dependent on said flood information.

Underground improvements, utilities and/or foundations were not located unless otherwise noted. Wetlands, if any, were not located.

Subject to easements, restrictions, reservations, and rights-of-way (recorded and unrecorded, written and unwritten).

Last day of field work: 12/31/2025

TAYLOR J. HENNINGE
License Number
7279
STATE OF FLORIDA
Professional Surveyor and Mapper

TAYLOR J. HENNINGE
PROFESSIONAL SURVEYOR AND MAPPER
FLORIDA CERTIFICATE NO. LS# 7279

Not valid without the signature and the original seal of a Florida licensed surveyor and mapper.

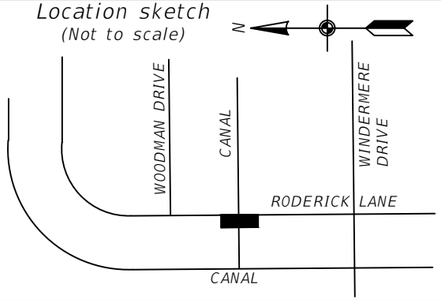
This survey is only for the lands as described. It is not a certificate of title, zoning, easements or freedom of encumbrances.

This survey was prepared without benefit of an abstract of title and all matters of title should be referred to an attorney at law.

This survey has been electronically signed and sealed by Taylor J. Henninge using a digital signature and date. Print copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Roderick Lane, Lehigh Acres

Location sketch
(Not to scale)



LEGEND:

(P)	= PER PLAT	N&D	= NAIL AND DISK
(C)	= CALCULATED	NAVD 88	= NORTH AMERICAN VERTICAL DATUM 1988
CB	= CATCH BASIN	OR	= OFFICIAL RECORDS BOOK
Δ	= DELTA ANGLE	PB	= PLAT BOOK
℄	= CENTER LINE	PG	= PAGE
CONC	= CONCRETE	R/W	= RIGHT OF WAY
CMP	= CORRUGATED METAL PIPE	RCP	= REINFORCED CONCRETE PIPE
CPP	= CORRUGATED PLASTIC PIPE	RNG	= RANGE
DUE	= DRAINAGE AND UTILITY EASEMENT	S/W	= SIDEWALK
ELEV	= ELEVATION	SEC	= SECTION
EOP	= EDGE OF PAVEMENT	TOB	= TOP OF BANK
EXIST	= EXISTING	TOE	= TOE OF SLOPE
FIRC	= FOUND IRON ROD AND CAP	TWP	= TOWNSHIP
INST#	= INSTRUMENT NUMBER	(TYP)	= TYPICAL
INV	= INVERT ELEVATION		

⊙ = FOUND MONUMENT
---OE--- = OVERHEAD UTILITY LINE
+20.0' = SPOT ELEVATION

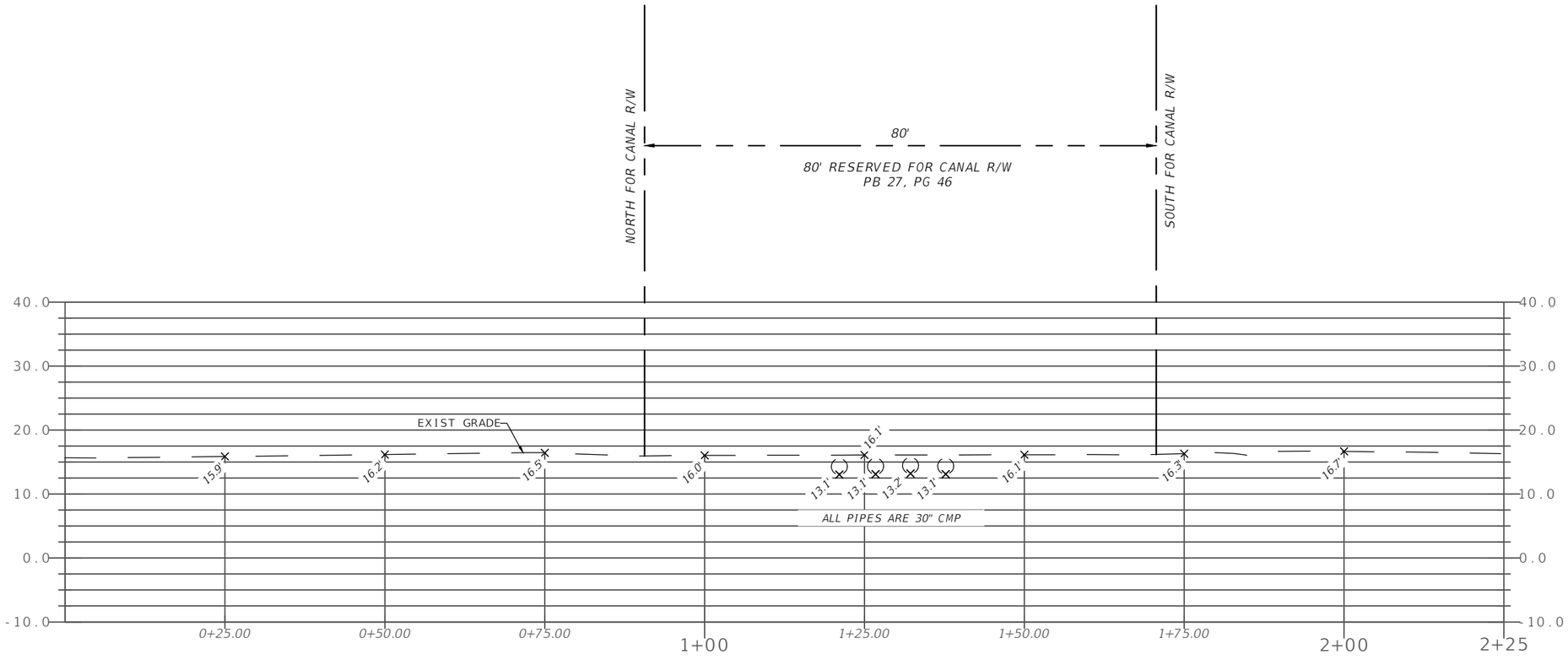
TOPOGRAPHIC SURVEY-PLAN VIEW

McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name:	Field book/page:	Project No.:
L057-1905 Roderick Ln.dwg	106981-3/29	106980001-L057
Survey date:	**Drawn by:**	**Checked by:**	**Sheet No.:**
12/31/2025	KB	TJH	01 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L057-1905 RODERICK LN\L057-1905 Roderick Ln.dwg

Topographic Survey of a
Subject Project Site
Section 5, Township 44 South, Range 27 East
Lehigh Acres, Lee County, Florida



A-A Profile View
1" = 20' HORIZONTAL
1" = 20' VERTICAL

SEE SHEET 01 FOR LEGEND

Roderick Lane, Lehigh Acres

TOPOGRAPHIC SURVEY-PROFILE VIEW

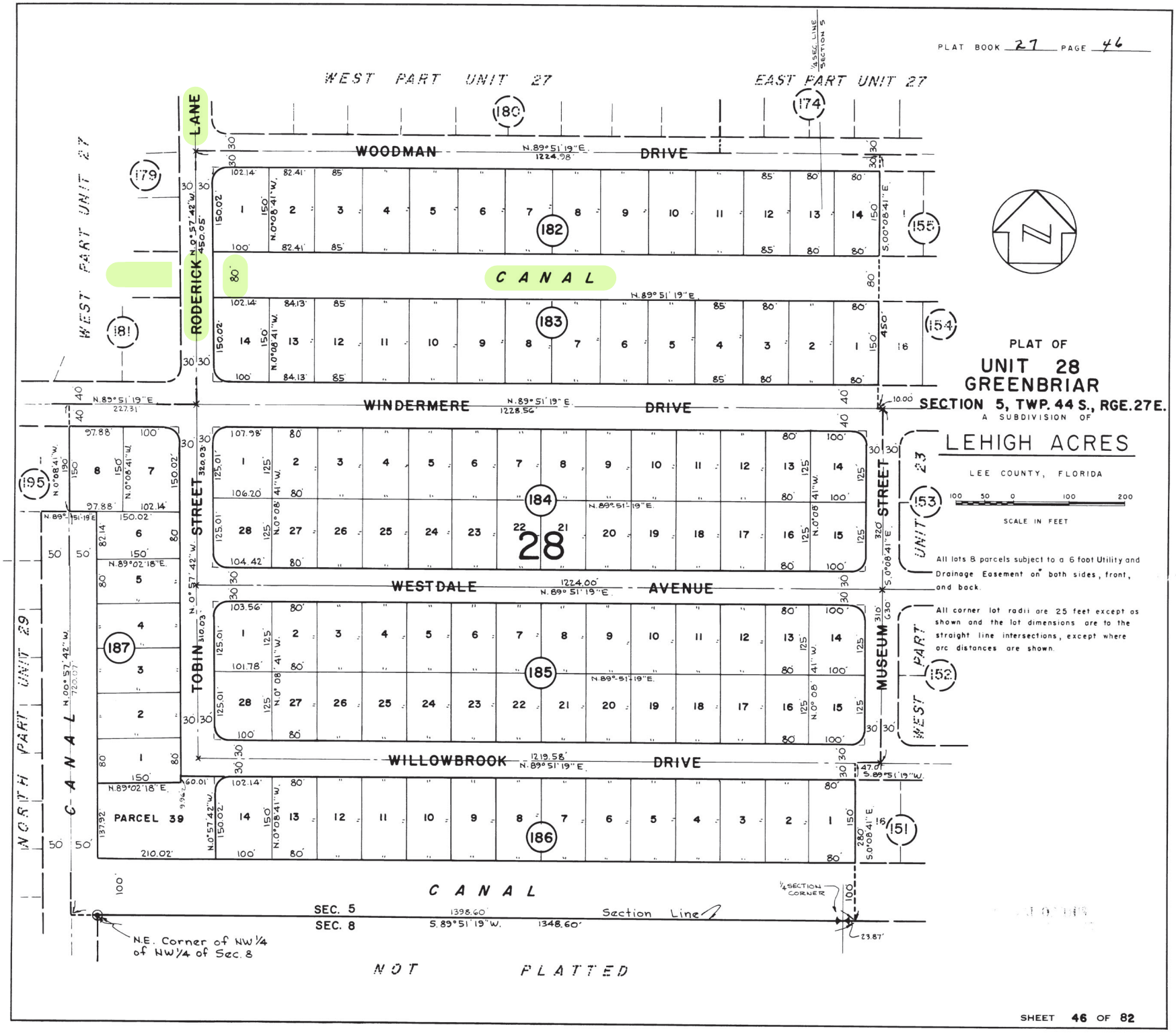
McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name:	Field book/page:	Project No.:
L057-1905 Roderick Ln.dwg	106981-3/29	106980001-L057

Survey date:	Drawn by:	Checked by:	Sheet No.:
12/31/2025	KB	TJH	02 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L057-1905 RODERICK LN\L057-1905 Roderick Ln.dwg

PLAT BOOK 27 PAGE 46



PLAT OF
UNIT 28 GREENBRIAR
SECTION 5, TWP. 44 S., RGE. 27 E.
A SUBDIVISION OF
LEHIGH ACRES
LEE COUNTY, FLORIDA

100 50 0 100 200
SCALE IN FEET

All lots & parcels subject to a 6 foot Utility and Drainage Easement on both sides, front, and back.

All corner lot radii are 25 feet except as shown and the lot dimensions are to the straight line intersections, except where arc distances are shown.

PART IV #26-101

Recommended Action

Engineering Review:

By: _____6/17/2026 **Approved _X_ Denied __**

District Field Review:

By: _____ Approved ___ Denied ___

District Manager: _____ Date: _____

Comments:

The referenced permit application submitted by Lumos Fiber of Florida, LLC for a subaqueous crossing under SwallowTail Canal (47-5-5) at 1905 Roderick Ln., in Lehigh Acres, has been reviewed and is recommended for approval with the following stipulations:

1. On sheet 8 of the plans, the culvert crossing detail specifies 24" minimum offset from culvert, if the detail is depicting a canal crossing, the offset should be 120" or 10'. If not, please include a note to clarify that the details do not apply to LA-MSID canal crossing.

2. Permanent above-ground cable markers must be placed at the canal right-of-way (R/W) line on each side of the crossing.

3. Any disturbed canal R/W must be restored with sod and maintained until fully established. Seeding will not be permitted.

4. Within 30 days of completing the improvements, provide LA-MSID with a copy of the survey record drawings indicating the location and elevation of utilities within the canal R/W.

5. The permittee will be responsible for any necessary repairs, alterations, or relocation of the utility if required for future maintenance or repairs of the canal.

6. Lee County DOT must review and approve any utility work proposed within the County Road R/W.

LEHIGH ACRES - MUNICIPAL SERVICES IMPROVEMENT DISTRICT PERMIT

THIS PERMIT is granted this 20th day of July, 2026, by Lehigh Acres Municipal Services Improvement District (hereinafter referred to as "DISTRICT"), 601 East County Lane, Lehigh Acres, Florida 33936, to Lumos Fiber of Florida, LLC, 4100 Mendenhall Oaks Parkway, Suite 300, High Point, NC 27265, hereinafter referred to as the "Permittee") as a non-exclusive permit for a directional bore under Skipper Canal (47-5-7), along the south side of Greenbriar Blvd., between Quintero Ln. & Roderick Ln., in Lehigh Acres, FL.

W I T N E S S E T H:

1. In the event the DISTRICT is not the fee title owner of the real property (the "Property") to which this Permit is applicable, the Permittee agrees, prior to commencement, to obtain all necessary consents from the fee title owners of the Property.

2. This Permit does not constitute a waiver of the necessity by the Permittee to obtain such other necessary and appropriate permits required by other governmental bodies or agencies; therefore the Permittee, prior to commencement, is required to obtain any and all other applicable federal, state, and local permits required in connection with Permittee's use of the Property and agrees that at all times it will comply with the requirements of all federal, state and local laws, ordinances, rules and regulations applicable or pertaining to the use of the Property by the Permittee.

3. Permittee understands and agrees that the use of the Property pursuant to this Permit is subordinate to the rights and interests of the DISTRICT and to the extent applicable that of the fee title owner of the Property. Further, Permittee does hereby stipulate that the Permittee is not relying upon any representations whatsoever by the DISTRICT regarding the DISTRICT'S right, title, interest, or ownership as to the Property for which this Permit is applicable.

4. The Permittee, by accepting this permit, specifically agrees to allow authorized District Personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:
    a. Having access to and copying any records that must be kept under the conditions of the permit:
    b. Reviewing the facility, equipment, practices, or operations regulated or required under this permit; and
    c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or District rules.

5. The DISTRICT specifically reserves the right to maintain its facilities located over, under or upon the Property; to make improvements; add additional facilities; maintain, construct or alter its roads; maintain any facilities, devices, or improvements on the Property which aid in or are necessary to the DISTRICT'S operation; and the right to enter upon the Property at all times for such purposes. Permittee understands that in the exercise of such rights and interest, the DISTRICT may require Permittee, at no cost to DISTRICT, to relocate, alter, or remove the Permittee's facilities and equipment or other improvements made by Permittee pursuant to this Permit which interfere with or prevent the DISTRICT, in the DISTRICT'S opinion, from properly and faithfully constructing, improving and maintaining its facilities. If the Permittee should fail to relocate, alter, or remove the Permittee's facilities, equipment or other improvements made by the Permittee pursuant to this Permit within a reasonable time period following receipt of notice from the DISTRICT requesting same, then in that event the DISTRICT shall have the right to enter upon the lands and make such relocation, alterations or removal of the Permittee's facilities, equipment/or other improvements at no cost to DISTRICT.

6. Permittee agrees that it will not use the Property in any manner which interferes with the DISTRICT'S

use of the Property or causes a hazardous condition to exist.

7. The DISTRICT assumes no responsibility for the ownership, operation and/or maintenance of the Permittee's facilities as permitted herein.

8. The Permittee agrees to backfill any excavation it makes within the Property and to repair or replace (i) any below-grade authorized facilities and features located therein, including but not limited to: water, sewer, stormwater or irrigation facilities, structures or appurtenances and (ii) as to at or above-grade facilities and features, this requirement shall only be applicable to grasses and sod, sidewalks, and roadway improvements (the term roadway improvements shall include but not be limited to curbing, roadway base, sub grade and asphaltic or concrete surfaces) which are removed or damaged as a direct result of said excavation. Such repair or replacement shall substantially restore these features to their condition as it existed immediately prior to the event precipitating the excavation.

9. All below-grade Permittee installations, including water and sewer lines, whether sub aqueous or not, together with appurtenant facilities, shall be located underground and have a minimum ground cover of thirty inches (30") below original design profile grade, including District waterways and roadways.

10. All Permittee activity related to sub aqueous utility, water and/or sewer lines, including appurtenant facilities, shall be conducted in such fashion that the primary functional purpose of the canal or lake body facility, specifically flood control, within which the activity is taking place is not adversely affected. More specifically, sub aqueous construction shall conform to the criteria given in the Lehigh Acres Municipal Services Improvement District (Lehigh Acres – MSID) Administrative Policy and Procedures.

11. Permittee shall, at no expense to DISTRICT and within a reasonable time following notice, adjust the positions and elevations of its facilities as may be required in connection with future improvements to, or construction of, works of the DISTRICT.

12. Permittee does hereby indemnify and hold harmless the DISTRICT, its Board of Commissioners, officers, personnel, and it's Engineers against any claims, losses, damages (including consequential), expenses, or legal fees that might arise out or result from the implementation of the proposed project by the Permittee or that may be caused by a failure of DISTRICT facilities or property.

13. The Permittee shall be obligated at the time of submission of its Permit application, to provide a detail of any other existing improvements located over, under, upon or through the Property and the Permittee's accompanying plans and specifications shall clearly indicate how the Permittee will comply with required clearances between the requested permitted activity and existing improvements located over, under and upon the Property, including compliance with other permitted users duly adopted and published standards.

14. Permittee shall reimburse the DISTRICT for its legal, engineering and other expenses incurred as a result of the implementation of the proposed project.

15. If Permittee should violate any of the terms or conditions of the Permit and shall not correct or remedy same within ten (10) days of receiving written notice of said violation from the DISTRICT, then in that event, the DISTRICT may, at its option, revoke, cancel and terminate this Permit.

16. This Permit may not be assigned by the Permittee without the prior written approval of the DISTRICT.

17. Unless otherwise adjusted, modified or terminated as set forth hereinabove, including the Conditions attached hereto, this Permit shall continue in full force and effect so long as Permittee complies with the

terms of this Permit.

18. In any litigation, including breach, enforcement or interpretation arising out of this Permit, the prevailing party to this Permit shall be entitled to recover reasonable attorney's fees, costs and expenses related to said action from the non-prevailing party.

19. That attached hereto are Supplemental Conditions to this Permit which are incorporated herein and made a part hereof.

LEHIGH ACRES – MUNICIPAL SERVICES IMPROVEMENT DISTRICT

BY: _____

NAME TYPED: David E. Lindsay

TITLE: District Manager

SUPPLEMENTAL CONDITIONS TO PERMIT NO. 26-102

A. GENERAL CONDITIONS

1. Notification shall be given by the Permittee to the District Engineer, AIM Engineering, at 239-332-4569 forty-eight (48) hours prior to commencement of the permitted activity. The District Engineer shall establish points of construction, if applicable, which will require inspection by the District Engineer prior to construction of the permitted activity. When the Permittee considers the permitted activity complete, the Permittee shall notify the District Engineer and schedule an on-site final inspection which shall be held in the presence of a representative of the Permittee and the District Engineer.

2. The permitted activity shall be implemented, constructed and/or installed in full accordance with the approved plans and specifications within six (6) full calendar years from the date of permit approval. Deviations from the approved plans or specifications shall be coordinated with and approved by the District Engineer prior to implementation of any such deviation.

3. When working in a District road right-of-way, not more than one-half (½) of the road or street shall be closed and traffic shall be controlled so as to provide for the safety and minimum hindrance to the public. All traffic control operations shall conform to the most current issue of the Florida Department of Transportation publication "Manual on Traffic Controls and safe Practices for Street and Highway Construction, Maintenance and Utility Operations."

4. The District Engineer shall be the final authority as to the quality and quantity of the material and works required to satisfy the terms and conditions of this Permit as they relate to District improvements and facilities.

5. Upon completion of the permitted activity and after its final review and acceptance by the District Engineer THE PERMITTEE SHALL DELIVER TO THE DISTRICT OFFICE ONE COMPLETE SET OF THE FINAL "RECORD DRAWINGS." FAILURE TO PROVIDE THE FINAL RECORD DRAWINGS MAY RESULT IN THE REVOCATION, CANCELLATION AND TERMINATION OF THIS PERMIT.

6. The above Conditions shall be continuing obligations of the Permittee and shall be complied with in the event of any subsequent maintenance, repair, replacement or modification of the permitted improvement.

Stipulations:

1). Permit #26-102 is approved according to the plans submitted May 28th, 2026.

2). The proposed directional bore must maintain a minimum clearance of 10 feet below the bottom elevation of the canal for the entire 100' within the canal right of way.

3). Permanent utility markers, (at least 4' high) with the utility companies contact information clearly labeled on it, must be installed at each canal right of way line over top the proposed line.

4). All guy wires, poles, pull boxes, etc. must be located outside of the canal right of way and not interfere with the District's canal maintenance activities.

5). All canal R/W that is disturbed must be restored with sod and maintained until well established (no seeding will be allowed).

6). Boring contractor is not allowed to pump water out of the LAMSID canals for their boring operations unless they apply for and receive a water use permit from LAMSID.

7). The Permittee will be responsible for any repairs, alterations, or relocation of the utility if required for repairs or maintenance of the canal in the future.

8). Provide LAMSID with a copy of your record drawings and a copy of your bore depth logs showing where your utilities are located within the canal R/W and at what elevation they are located, within 30 days following completion of the improvements.

9). Lee County DOT must review and approve the utility work that is outside of the canal right of way along Greenbriar Blvd.

PART I

DATE SUBMITTED: 05 - 28 - 26

PERMIT #: 26 - 102

APPLICATION FOR A PERMIT

*Note: The review of permit applications will be conducted per the Lehigh Acres Municipal Services Improvement District's Administrative Policy and Procedures

AGENT NAME: TEP-OPCO, LLC **PHONE #:** (502)7187956

PROJECT NAME: U38578 - SKIPPER CANAL - 1969 RODERICK LN-LA-MSID-1

TOTAL ACREAGE: N/A

Property Address (STRAP associated with this address will be used as the primary STRAP for this project): 1969 RODERICK LN					
Mailing Address:					
City:	LEHIGH ACRES	**State:**	FL	**Zip:**	33972

STRAP NUMBERS (*attach additional sheet if necessary):*

0	5	-	4	4	-	2	7	-	L	2	-	2	6	1	6	6	-	0	0	1	0

Brief description of proposed project:

Application for:

Directional bore placing 100' of (2) 1.25" HDPE SDR 11 Conduit Equipped with (1) 288-CT Microfiber Optic cable under Skipper Canal along the South side of Greenbriar Blvd between Quintero Ln and Roderick Ln.

Is the project proposed to be developed in phases? ☐ Yes ☑ No

Estimated # of Phases:	1
***Permit Fee:**	$ 2,250.00 **(to be verified by staff)**

* See Administrative Policy and Procedures Sections 4.15 – 4.17 for current Permit Fee Amount.

RECEIVED
MAY 28 2026
LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

PART II

OWNER/APPLICANT/ DEVELOPER INFORMATION

A.

Name of Applicant	Lumos Fiber of Florida, LLC						
Mailing Address:	**Street:**	4100 Mendenhall Oaks Parkway, Suite 300					
City:	High Point		**State:**	NC		**Zip:**	27265
Phone No.	**Area Code:**	515	**Number:**	306 - 3403		**Ext.**	
Fax No.	**Area Code:**		**Number:**	-			
E-mail Address:	william.kiefer@lumosfiber.com						

B. Relationship of applicant to property*:

☐ **Owner*** ☐ **Trustee*** ☐ **Option holder*** ☐ **Lessee***

☐ **Contract Purchaser*** ☑ **Other (indicate)*** Utility

C.

Name of Developer:							
Mailing Address:	**Street:**						
City:			**State:**			**Zip:**	
Phone No.	**Area Code:**	( )	**Number:**	-		**Ext.**	
Fax No.	**Area Code:**	( )	**Number:**	-			
E-mail Address:							

D.

Name of Authorized Agent(s):	TEP OPCO, LLC.						
Mailing Address:	**Street:**	5906-A Breckenridge Pkwy					
City:	Tampa		**State:**	FL		**Zip:**	33610
Phone No.	**Area Code:**	(502)	**Number:**	552 - 2733		**Ext.**	
Fax No.	**Area Code:**	( )	**Number:**	-			
E-mail Address:	FL-permitting@tepgroup.net						

E.

Name of Property Owner:							
Mailing Address:	**Street:**						
City:			**State:**			**Zip:**	
Phone No.	**Area Code:**	( )	**Number:**	-		**Ext.**	
Fax No.	**Area Code:**	( )	**Number:**	-			
E-mail Address:							

*A disclosure of the name of all persons or entities having an ownership interest in the property is required (attached).

PART III

DISCLOSURE OF OWNERSHIP INTEREST FORM FORM:

PRIMARY STRAP NUMBER: ☐☐ - ☐☐ - ☐☐ - ☐☐ - ☐☐☐☐☐ - ☐☐☐☐

1. If the property is owned in the fee simple by an **INDIVIDUAL**, tenancy by the entirety, tenancy in common, or joint tenancy, list all parties with an ownership interest as well as the percentage of such interest.

Name and Address	Percentage of Ownership
N/A	

2. If the property is owned by a **CORPORATION**, list the officers and stockholders and the percentage of stock owned by each.

Name, Address, Office	Percentage of Stock
N/A	

3. If the property is in the name of a **TRUSTEE**, list the beneficiaries of the trust with percentages of interest.

Name and Address	Percentage of Interest
N/A	

4. If the property is in the name of a **GENERAL PARTNERSHIP OR LIMITED PARTNERSHIP**, list the names of general and limited partners.

Name and Address	Percentage of Interest
N/A	

5. If there is a **CONTACT FOR PURCHASE**, whether contingent on this application Or not, and whether a Corporation, Trustee, or Partnership, list the names of the contract purchasers below, including the officers, stockholders, beneficiaries, or partners.

Name and Address	Percentage of Interest
N/A	

Date of Contract (mm/dd/yy): / /

6. If any contingency clause or contract terms involve additional parties, list all individuals or officers, if a corporation, partnership, or trust.

Name and Address	Percentage of Interest
N/A	

For any changes of ownership of changes in contracts for purchase subsequent to the date of the application, but prior to the date of final certificate for compliance, a supplemental disclosure of interest must be filed.

The above is a full disclosure of all parties of interest in this application, to the best of my knowledge and belief.

William Kiefer
SIGNATURE OF APPLICANT

William Kiefer
PRINTED OR TYPED NAME OF APPLICANT

STATE OF FLORIDA
COUNTY OF LEE

The foregoing instrument was acknowledged before me this 20 day of MAY (m), 2026 (y), by WILLIAM KIEFER who is personally know to me or has produced _____ as identification.

MCKAYLA MARIE MCFADDEN
MY COMMISSION # HH 624042
EXPIRES: December 26, 2028

SIGNATURE OF NOTARY PUBLIC

MCKAYLA MCFADDEN
PRINTED NAME OF NOTARY PUBLIC

PART IV

EXPLANATION

All Permit Application sections must be completed and submitted.

Permit Application fees and submittal items (see Part VI) must be submitted with the application.

Any and all work involving the lands and/or facilities of the District shall not commence without a Board approved permit.

All set policies, procedures, technical requirements, and fee schedules can be found and reviewed in the 'Administrative Policy and Procedures Guide'. The Guide is available at the District Office located at 601 East County Lane, Lehigh Acres, FL or online at la-msid.com/.

PART V

PROFESSIONAL CONSULTANT FORM

ATTORNEY

Name:							
Mailing Address:							
City:		**State:**				**Zip:**	
Business No.	**Area Code:**	( )	**Number:**	-		**Ext.**	
Other Contact:							

ENGINEER

Name:	TEP-OPCO, LLC JOSH CARDEN						
Mailing Address:	326 Tyron Road						
City:	Raleigh	**State:**	NC			**Zip:**	27603
Business No.	**Area Code:**	(336)	**Number:**	214 -2099		**Ext.**	
Other Contact:							

OTHER REPRESENTATIVE/PROFESSIONAL

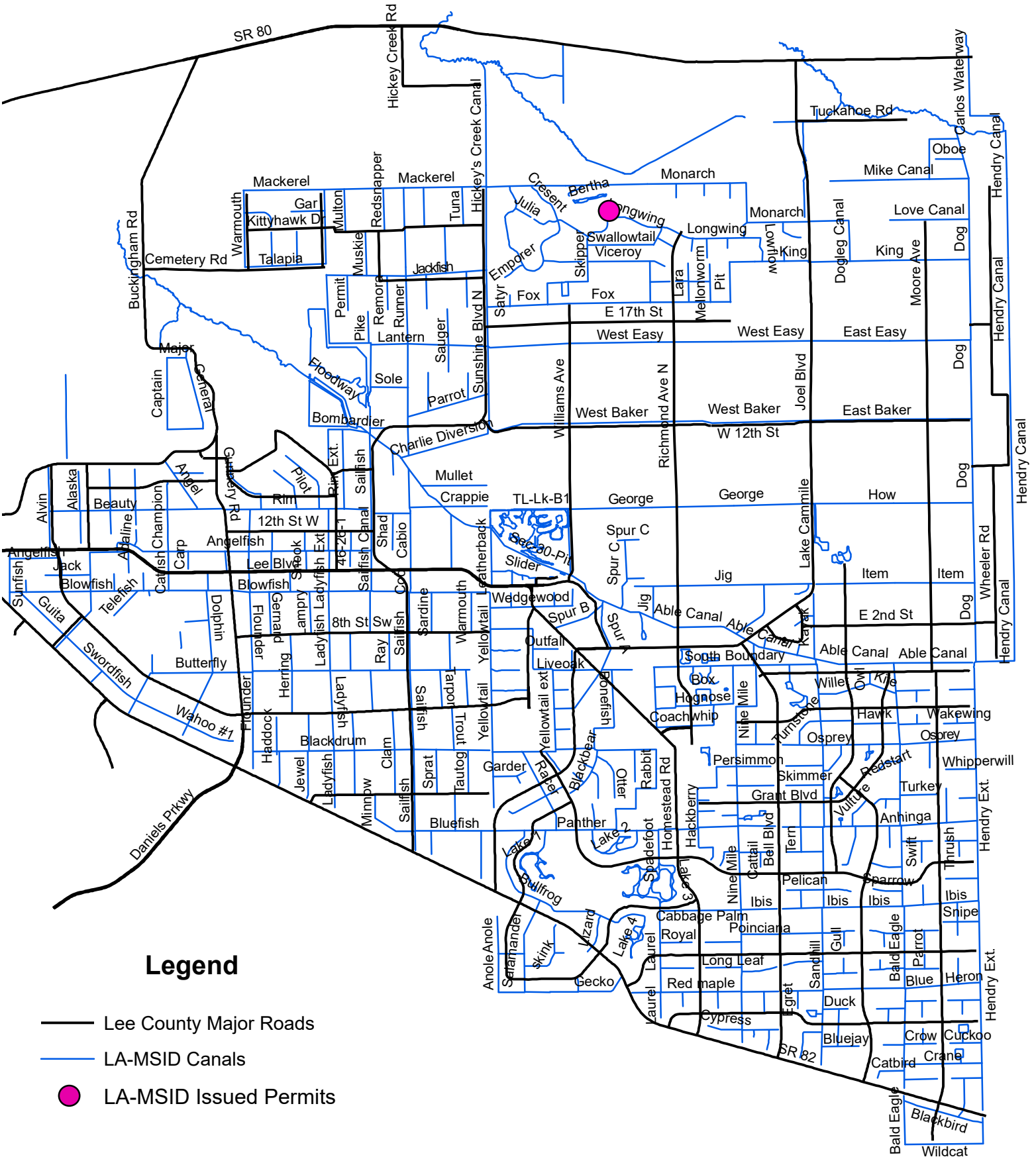
Name:	McKim & Creed						
Mailing Address:	5701 Division Drive, Suite A						
City:	Fort Myers	**State:**	FL			**Zip:**	33905
Business No.	**Area Code:**	(239)	**Number:**	275 - 8875		**Ext.**	
Other Contact:							

PART VI

SUBMITTALS

NO. OF COPIES		SUBMITTAL DOCUMENT
SUB'D	REQ'D	
		ITEMS REQUIRED FOR INITIAL SUBMITTAL
	2	**Construction/Development Plans** signed and sealed by a Licensed Florida Professional Engineer including: 1. Location map showing the location of the proposed project in relation to adjacent streets and LA-MSID facilities. 2. Details of proposed works that fully communicate the work and/or use desired (i.e. Existing Conditions Survey, Proposed Site Plan, Paving Grading & Drainage Plan, Cross Sections, Element Details, and Erosion Control Plan sheets). 3. Sufficient survey data to determine elevations, property and ROW lines, limits of existing and proposed conditions, and notation of utilized vertical datum (NAVD/NGVD).
	2	**Stormwater Drainage Calculations** signed and sealed by a Licensed Florida Professional Engineer including, but not limited to, computer stormwater routing modeling data (ICPR4, Cascade, etc.) to verify compliance with the Design Criteria (input summary data below): **Water Quality Volume (Required):** _____(ACRE-FT) **Water Quality Volume (Provided):** _____(ACRE-FT) **Control Elevation:** _____(FT-NGVD) **Minimum Road/Parking Elevation:** _____(FT-NGVD) *(above the 10-year, 1-day design storm peak stage elevation)* **Minimum Perimeter Berm Elevation:** _____(FT-NGVD) *(above the 25-year, 3-day design storm peak stage elevation)* **Minimum Finished Floor Elevation:** _____(FT-NGVD) *(above the 100-year, 3-day design storm peak stage elevation and previously experienced high-water levels external to project)*
	2	**Flash Drive / CD** containing plans in both AutoCAD (.dwg file drawn in "State Plane Coordinates") and PDF formats.
	2	**Permit Application** (PARTS I & II)
	2	**Disclosure of Owner Form (signed and notarized)** (PART III)
	2	**Professional Consultant Form & Submittals** (PARTS V & VI)
	2	**Copy of Approved FDEP Notice of Intent (NOI)** for all sites one (1) acre and greater in size.
	2	**Copy of approved SWFMD permit**, for all sites required to get a permit, **or FDEP "10/2 Self-Certification"** approval.
	1	**Check for appropriate Permit Fees** made out to LA-MSID.

Permit # 2026-102

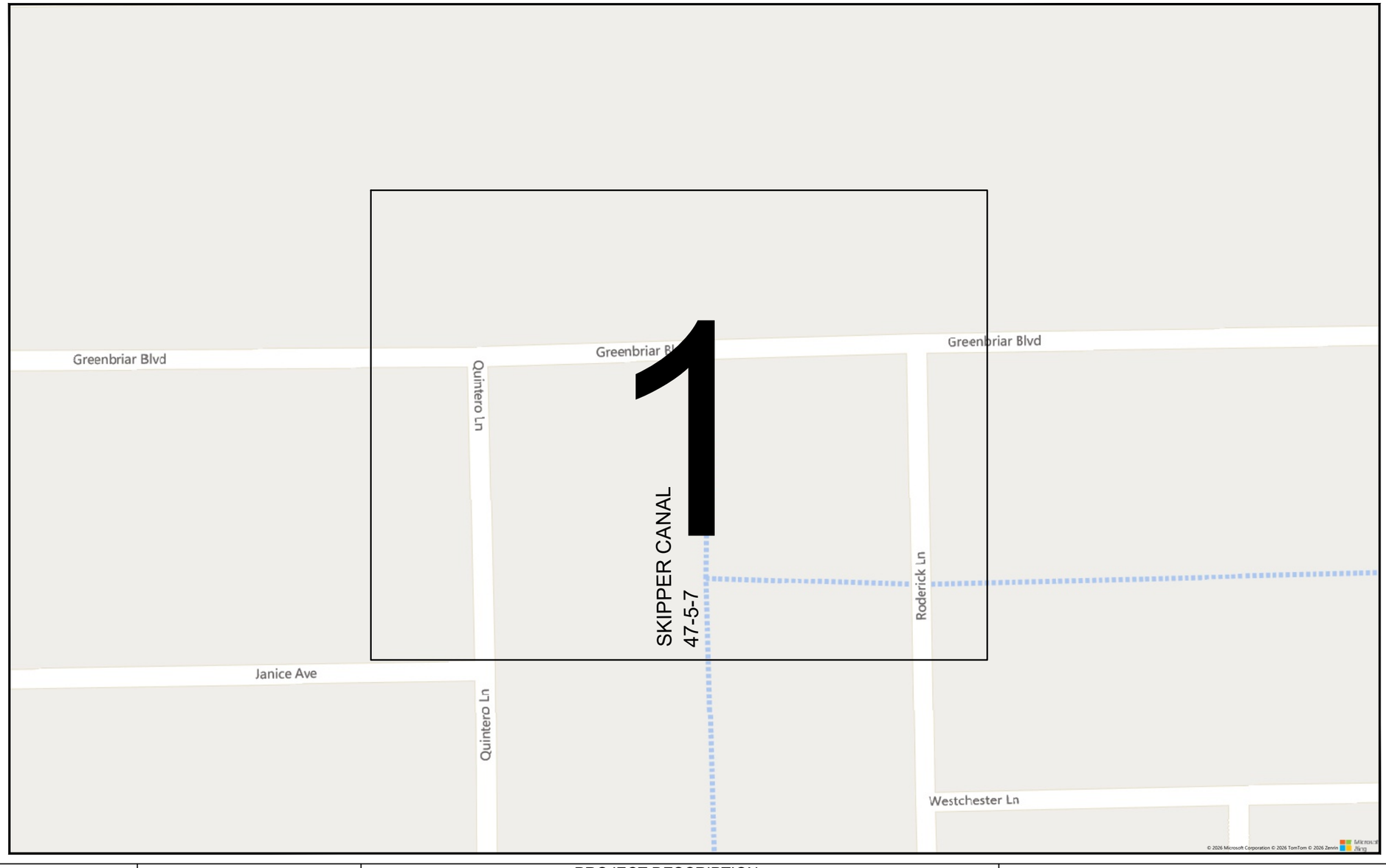


Legend

- Lee County Major Roads
- LA-MSID Canals
- LA-MSID Issued Permits

U38578 - SKIPPER CANAL - 1969 RODERICK LN-LA-MSID-1

1969 RODERICK LN, LEHIGH ACRES, FL 33972 (26.681241, -81.638841)



Know what's below
Call before you dig.

N

PERMIT #:

PROJECT DESCRIPTION

- BURIED PLACEMENT OF 350' OF (2) 1.25" HDPE SDR 11 CONDUIT EQUIPPED WITH (1) 288-CT MICROFIBER OPTIC CABLE. (2) PROPOSED HANDHOLES.
- PIPE TO BE INSTALLED BY MEANS OF HORIZONTAL DIRECTIONAL DRILLING AND HAND DIGGING METHODS.
- ALL AREAS DISTURBED BY INSTALLATION TO BE RESTORED TO EXISTING OR BETTER CONDITION.

SHEET INDEX

A - COVER SHEET
B - SOW & CONTACTS
C - LEGEND
D1-D2 - GENERAL NOTES
E - CONSTRUCTION NOTES
F-H - TYPICALS
1- 1 - PROJECT SHEETS
1A - PROFILE VIEW
I1 - I2 - IMAGES

lumos

TEP

5906 BRECKENRIDGE PKWY, SUITE A
TAMPA, FL 33610

TEP IS A FAMILY OF COMPANIES LICENSED TO PROVIDE DIFFERENT SERVICES IN DIFFERENT JURISDICTIONS. DEPENDING ON THE JURISDICTION, PROFESSIONAL ENGINEERING AND LAND SURVEYING SERVICES ARE PROVIDED BY TEP OPCO LLC, A DELAWARE LIMITED LIABILITY COMPANY, TEP ENGINEERING, PLLC, A NORTH CAROLINA PROFESSIONAL LIMITED LIABILITY COMPANY, OR M&H ENGINEERING, PLLC, A NEW YORK PROFESSIONAL LIMITED LIABILITY COMPANY. GENERAL CONTRACTOR SERVICES ARE PROVIDED BY TEPDB OPCO LLC, A DELAWARE LIMITED LIABILITY COMPANY. WE ACQUIRE THE REQUISITE LICENSES IN EACH STATE. ADDITIONAL INFORMATION CAN BE OBTAINED FROM THE COMPANY. THESE DRAWINGS ARE INTENDED TO DEPICT FIBER OPTIC CABLES, CONDUITS, AND RELATED INFRASTRUCTURE WITHIN THE PUBLIC RIGHT-OF-WAY (R/W) OR AREAS WITH VALID, RECORDED EASEMENTS OR LEASES, HOWEVER R/W LOCATIONS ARE BASED SOLELY ON GEOGRAPHIC INFORMATION SYSTEMS (GIS) DATA FROM THE LOCAL JURISDICTION. SURVEYS TO VERIFY R/W OR PROPERTY BOUNDARIES WERE NOT PERFORMED. WHERE INSTALLATION ROUTES EXTEND BEYOND THE R/W, THE UTILITY OWNER/OPERATOR IS SOLELY RESPONSIBLE FOR SECURING AND PROVIDING ALL NECESSARY EASEMENTS, LEASES, OR PROPERTY RIGHTS PRIOR TO CONSTRUCTION. CONTRACTORS SHALL RELY ON THE UTILITY OWNER/OPERATOR'S DOCUMENTATION AND ARE RESPONSIBLE FOR ENSURING THAT CONSTRUCTION OCCURS ONLY WITHIN AUTHORIZED AREAS. TEP, THE ENGINEER, DESIGNER, AND CREATOR OF THESE DRAWINGS ASSUME NO RESPONSIBILITY OR LIABILITY FOR UNAUTHORIZED PLACEMENT OF UTILITIES OUTSIDE THE PUBLIC R/W OR ON PRIVATE PROPERTY WITHOUT PROPER LEGAL AUTHORIZATION. ALL INSTALLATIONS MUST COMPLY WITH APPLICABLE LAWS AND REGULATIONS.

TEP OPCO, LLC
5906-A Breckenridge Pkwy, Tampa, FL 33610
FL COA# 31011
Shaine Herrick - Project Manager
sherrick@tepgroup.net

LUMOS
William Kiefer - OSP Project Engineer
william.kiefer@lumosfiber.com
Phone: (515) 306-3403

Jason Bush
jason.bush@lumosfiber.com
Phone: (850) 428-1313

REV	DESCRIPTION	INITIALS	DATE
0	ORIGINAL	DC	05/13/2026

TEP OPCO, LLC FL COA# 31011

JOSHUA H. CARDEN LICENSE No 83511 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 13th, 2026

This item has been digitally signed and sealed by JOSHUA H. CARDEN on the date adjacent to the seal.

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

SHEET TITLE:
COVER PAGE

PROJECT MANAGER:	SHAINE HERRICK
PROJECT ENGINEER:	DARIA COSTIN
PROJECT NUMBER:	U38578
DESCRIPTION:	1969 RODERICK LN
DRAWING NAME:	U38578 - SKIPPER CANAL - 1969 RODERICK LN-LA-MSID-1
SHEET:	A of 1

CONFIDENTIAL/PROPRIETARY

SCOPE OF WORK

- BURIED PLACEMENT OF 350' OF (2) 1.25" HDPE SDR 11 CONDUIT EQUIPPED WITH (1) 288-CT MICROFIBER OPTIC CABLE. (2) PROPOSED HANDHOLES.
- PIPE TO BE INSTALLED BY MEANS OF HORIZONTAL DIRECTIONAL DRILLING AND HAND DIGGING METHODS.
- ALL AREAS DISTURBED BY INSTALLATION TO BE RESTORED TO EXISTING OR BETTER CONDITION.

UTILITY OWNER CONTACTS

LUMOS
William Kiefer - OSP Project Engineer
william.kiefer@lumosfiber.com
Phone: (515) 306-3403

Jason Bush
jason.bush@lumosfiber.com
Phone: (850) 428-1313

ENGINEERING COMPANY

TEP OPCO, LLC
5906 BRECKENRIDGE PKWY, SUITE A
TAMPA, FL 33610

DIRECTOR - OSP OPERATIONS:
ALEX MORA
OFFICE : 704-751-1123
AMORA@TEPGROUP.NET

PROJECT MANAGER:
SHAINE HERRICK
SHERRICK@TEPGROUP.NET

UTILITIES CONTACTS

FLORIDA POWER & LIGHT--LEE
FPL CABLE LOCATIONS-DISTRIBUTION SDD/MPE - EDGAR.AGUILAR@FPL.COM, JAMIE.PURNELL@FPL.COM

LUMOS FIBER OF FLORIDA, LLC
JASON BUSH
(850) 428-1313
JASON.BUSH@LUMOSFIBER.COM

FLORIDA GOVERNMENTAL UTILITIES AUTHORITY - LEHIGH
POTABLE WATER/SANITARY SEWER
LINA MARIA QUINTERO, PE
(727) 858-2396

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT
MICHAEL COOK
(239) 368-0044 Ext. 16
MCOOK@LA-MSID.COM
STORM WATER/CANALS

LEE COUNTY DEPARTMENT OF TRANSPORTATION (DOT)
COMMERCIAL RIGHT OF WAY USE PERMIT
(239) 533-8580
ROADS

FDOT
DISTRICT 1 - COUNTIES: CHARLOTTE, COLLIER, DESOTO, GLADES, HARDEE, HENDRY, HIGHLANDS, LEE, MANATEE, OKEECHOBEE, POLK, SARASOTA
801 N. BROADWAY AVENUE
BARTOW, FLORIDA 33830
PHONE: (800) 292-3368
PHONE: (239) 225-1900

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TEP
5906 BRECKENRIDGE PKWY, SUITE A
TAMPA, FL 33610

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REV	DESCRIPTION	INITIALS	DATE
0	ORIGINAL	DC	05/13/2026

TEP OPCO, LLC — FL COA# 31011

JOSHUA H. CARDEN LICENSE No 83511 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 13th, 2026

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SHEET TITLE:
SOW & CONTACTS

PROJECT MANAGER:	SHAINE HERRICK
PROJECT ENGINEER:	DARIA COSTIN
PROJECT NUMBER:	U38578
DESCRIPTION:	1969 RODERICK LN
DRAWING NAME:	U38578 - SKIPPER CANAL - 1969 RODERICK LN-LA-MSID-1

SHEET:
B of 1

CONFIDENTIAL/PROPRIETARY

LEGEND

LINETYPES

- UG FIBER – EXISTING
- UG FIBER – PROPOSED
- AERIAL FIBER – EXISTING
- AERIAL FIBER – PROPOSED
- COMMUNICATION (COM)
- RECLAIM WATER (RCW)
- DITCH
- GUARDRAIL
- ROAD CENTERLINE
- EASEMENT (ESMT)
- GAS (G)
- WATER (W)
- TELEPHONE (T)
- ELECTRIC (E)
- SANITARY SEWER (SEW)
- STORM DRAIN (SD)
- FENCE (X)
- CABLE TV (TV)
- STEAM (STM)
- OIL (OIL)
- UNKNOWN UTILITY (UNK)
- RIGHT OF WAY (R/W)
- EDGE OF PAVEMENT (EOP)
- SIDEWALK (S/W)

SYMBOL / DESCRIPTION

SYMBOL	DESCRIPTION
BP	BORE PIT
EOP	EDGE OF PAVEMENT
EOTW	EDGE OF TRAVEL WAY
FOC	FIBER OPTIC CABLE
HDPE	HIGH DENSITY POLYETHYLENE
HH	HANDHOLE
JB	JUNCTION BOX
MH	MANHOLE
MP	MILE POST
O/S	OFFSET
PVC	POLY VINYL CHLORIDE
RGS	RIGID GALVANIZED STEEL CONDUIT
ROW	RIGHT OF WAY
S/W	SIDEWALK
STA.	STATION

- CB — CABINET
- P — PEDESTAL
- E — ELECTRIC
- EM — ELECTRIC METER
- MH — MANHOLE
- R — RISER
- T — TELEPHONE
- P — POWER VAULT
- CATCH BASIN/INLET
- FIRE HYDRANT
- GROUND/BOND
- STREET LIGHT
- TREE
- CULVERT
- WING WALL
- BRIDGE
- U — MISC. UTILITY
- UTILITY POLE – EXISTING
- OWNER ID — POLE – PROPOSED
- HH — HANDHOLE – EXISTING
- HH — HANDHOLE – PROPOSED
- PD — PEDESTAL – PROPOSED
- MKR — PROMARK DOME MARKER POST
- BORE PIT – PROPOSED

- 0' — AERIAL STORAGE – EXISTING
- 0' — AERIAL STORAGE – PROPOSED
- 0' — VAULT/BUILDING STORAGE – EXISTING
- 0' — VAULT/BUILDING STORAGE – PROPOSED
- POLE ANCHOR/DOWN GUY – EXISTING
- POLE ANCHOR/DOWN GUY – PROPOSED
- PROPOSED DOWN GUY ON EXISTING ANCHOR
- FDP / NAME / SIZE / LOCATION — TERMINATION – EXISTING
- FDP / NAME / SIZE / LOCATION — TERMINATION – PROPOSED
- BUILDING / NAME / STREET — BUILDING CALLOUT – PROPOSED
- MANUFACTURER NAME — SPLICE POINT – EXISTING
- MANUFACTURER NAME — SPLICE POINT – PROPOSED

#F	IN:	0
	OUT:	0

SEQUENTIAL CALLOUT

#F	IN:	0
	TAIL:	0

SEQUENTIAL IN TAIL CALLOUT

#F	TAIL:	0
	OUT:	0

SEQUENTIAL TAIL OUT CALLOUT

POLE NO	N/A
UTILITY1	0'–0"

POLE ATTACHMENT CALLOUT – EXISTING
USE DYNAMIC PULL DOWN TO SELECT
FROM 1 TO 6 ATTACHMENTS

POLE NO	N/A
UTILITY1	0'–0"

POLE ATTACHMENT CALLOUT – PROPOSED
USE DYNAMIC PULL DOWN TO SELECT
FROM 1 TO 6 ATTACHMENTS

lumos

TEP

5906 BRECKENRIDGE PKWY, SUITE A
TAMPA, FL 33610

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TEP OPCO, LLC — FL COA# 31011

JOSHUA H. CARDEN LICENSE No 83511 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 13th, 2026

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SHEET TITLE: LEGEND

PROJECT MANAGER:	SHAINE HERRICK
PROJECT ENGINEER:	DARIA COSTIN
PROJECT NUMBER:	U38578
DESCRIPTION:	1969 RODERICK LN
DRAWING NAME:	U38578 - SKIPPER CANAL - 1969 RODERICK LN-LA-MSID-1

SHEET: C of 1

CONFIDENTIAL/PROPRIETARY

GENERAL NOTES

GENERAL NOTES

CONTRACTOR MUST OBTAIN LOCATES PRIOR TO DISTURBING THE GROUND.

CONTRACTOR MUST HAVE A COPY OF THE APPROVED PERMIT FROM THE APPROPRIATE AGENCY ON THE JOBSITE AT ALL TIMES.

ALL CABLE WILL BE PLACED AT A MINIMUM DEPTH OF 36" DEEP UNLESS OTHERWISE DIRECTED BY A REPRESENTATIVE OF THE UTILITY OWNER.

ANY LANDSCAPING WILL BE REPLACED TO EQUAL OR BETTER THAN THAT WHICH EXISTED PRIOR TO WORK, 72 HOURS AFTER COMPLETION OF WORK.

PROJECT SITE WILL BE PROPERLY SECURED PRIOR TO THE END OF EACH DAY.

ALL WORK IS TO BE IN ACCORDANCE WITH ALL AUTHORITIES HAVING JURISDICTION IN THE WORK ZONE.

CONTRACTORS ARE ADVISED TO CONTACT THE PROJECT MANAGER FOR ANY ADDITIONAL INFORMATION OR CLARIFICATION CONCERNING SCOPE OF WORK OR THE REQUIREMENTS NECESSARY FOR PROJECT COMPLETION.

CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY ALL DIMENSIONS, QUANTITIES AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION. IF A SIGNIFICANT CHANGE TO THE RUNNING LINE IS NEEDED, PLEASE CONTACT THE PROJECT MANAGER BEFORE PROCEEDING.

BEFORE CONSTRUCTION BEGINS, CONTRACTOR SHALL TAKE APPROPRIATE PRECAUTIONS TO AVOID ANY POTENTIAL OBSTRUCTIONS PRIOR TO PROCEEDING WITH WORK.

NO CONSTRUCTION ON PRIVATE PROPERTY WILL COMMENCE UNTIL APPROVAL IS GIVEN BY A REPRESENTATIVE OF THE UTILITY OWNER.

CONTRACTOR SHALL NOT PROCEED WITH WORK UNTIL THEY HAVE RECEIVED A PURCHASE ORDER AND HAVE BEEN DIRECTED TO DO SO BY AN AUTHORIZED REPRESENTATIVE OF THE UTILITY OWNER.

CONTRACTOR SHALL NOT EXCEED THE PURCHASE ORDER VALUE WITHOUT AUTHORIZATION IN WRITING FROM THE APPROPRIATE REPRESENTATIVE OF THE UTILITY OWNER.

AS-BUILTS WILL BE REQUIRED FOR EACH PROJECT INCLUDING CABLE FOOTAGE SEQUENTIALS AT EVERY ACCESS POINT, SLACK LOOP, SPLICE LOCATION, POLE AND TERMINATION POINT. CONTRACTOR SHOULD ALSO PROVIDE NOTES OF ALL CHANGES IN DEPTHS, RUNNING LINES, MH/HH LOCATIONS, AND ANY OTHER APPLICABLE NOTES TO DEPICT THE WORK THAT TOOK PLACE. NOTE: ALL MAJOR CHANGES NEED TO BE PRE-APPROVED BY AN AUTHORIZED REPRESENTATIVE OF THE UTILITY COMPANY PRIOR TO STARTING THE WORK.

SITE CONDITIONS

THE ACTUAL LOCATION OF EXISTING CONDUIT AND CABLES MAY VARY FROM THE LOCATION SHOWN. REPAIR OF ANY DAMAGED CONDUIT CONTAINING CABLE SHALL BE MADE BY USE OF PVC SPLIT DUCT. THE CONTRACTOR SHALL ENCLOSE THE EXISTING CABLES IN PVC.

THE LOCATIONS OF EXISTING UTILITIES SHOWN IN THIS PLAN ARE APPROXIMATE. WHEN WORK IS TO BE CONDUCTED IN THE VICINITY OF KNOWN UTILITIES, THEIR ACTUAL LOCATION MUST BE FIELD VERIFIED TO AVOID CONFLICTS OR DAMAGE TO THOSE UTILITIES. VARIATION IN LOCATION BETWEEN "RECORDED POSITIONS" AND ACTUAL POSITIONS SHOULD BE ANTICIPATED.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES. BURIED UTILITIES MAY EXIST IN THE AREA IN ADDITION TO THOSE SHOWN ON THE PLAN. THE CONTRACTOR SHALL CONTACT PROPERTY OWNERS WHEN WORKING WITHIN PRIVATE EASEMENTS FOR LOCATION OF UNDERGROUND TANKS, PIPELINES, DRAIN TILES, OR OTHER BURIED IMPROVEMENTS. THE CONTRACTOR SHALL ALSO NOTIFY THE UTILITY NOTIFICATION CENTER PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITIES.

THE CONTRACTOR MUST ASSUME ALL BURIED UTILITIES ENCOUNTERED ARE ALIVE AND ACTIVE UNLESS SPECIFICALLY INSTRUCTED OTHERWISE BY OWNERS OR OPERATORS OF SAID UTILITIES.

DAMAGE TO SUB-SURFACE STRUCTURES IS THE SOLE RESPONSIBILITY OF THE PLACING CONTRACTOR.

THE CONTRACTOR SHALL PROTECT THE EXISTING TRAFFIC CONTROL LOOPS. IF EXISTING TRAFFIC CONTROL LOOPS ARE DAMAGED DURING CONSTRUCTION, THE ENTIRE LOOP WIRE FROM TERMINAL TO TERMINAL SHALL BE REPLACED IN ACCORDANCE WITH GOVERNING AGENCY STANDARDS AND REGULATIONS AT CONTRACTOR'S EXPENSE.

REMOVAL OF EXISTING ASPHALT PAVEMENT, CONCRETE CURBS, AND CONCRETE SIDEWALKS WILL BE "NEAT LINE" WITH SAW OR PAVEMENT CUTTER, PER REQUIREMENTS AND SPECIFICATIONS OF THE AGENCY OR DEPARTMENT RESPONSIBLE FOR EACH LOCATION. IF CONCRETE PAVEMENT IS ENCOUNTERED WHILE EXCAVATING CONDUIT TRENCHES, THE CONCRETE REMOVAL WILL BE "NEAT LINE" WITH A PAVEMENT SAW.

IF CONCRETE CURB RETURNS AND/OR SIDEWALKS ARE REPLACED DUE TO CONDUIT OR MANHOLE INSTALLATION, THE CONTRACTOR SHALL PLACE APPROVED HANDICAPPED SIDEWALK AND CURB ACCESS RAMPS IN CONFORMANCE WITH THE APPROPRIATE STATE STATUTES.

ALL MATERIALS NECESSARY FOR THE REPAIR OF STREETS, CURBS, SIDEWALKS, SANITARY SEWERS, STORM SEWERS, AND PUBLIC SERVICE UTILITIES, AND THE INSTALLATION OF SUCH MATERIALS SHALL BE IN CONFORMANCE WITH THE REQUIREMENTS AND SPECIFICATIONS OF THE AGENCY OR DEPARTMENT RESPONSIBLE FOR THE OPERATION AND MAINTENANCE OF THE REPAIRED FACILITY.

ALL WORK SHALL CONFORM TO THE SPECIFICATIONS OF THE JURISDICTIONAL PERMIT AGENCY.

ALL OPEN TRENCH WILL BE CLEARLY MARKED WITH BARRICADES OR CONES. STEEL PLATES OR OTHER TYPES OF BRIDGING SHALL BE PROVIDED TO COVER OPEN TRENCH IN THE TRAVEL PORTION OF THE STREETS. THESE PLATES OR BRIDGING SHALL BE ADEQUATE TO SUPPORT THE NORMAL VEHICLE LOADS ANTICIPATED IN THIS AREA AND SHALL BE IN PLACE DURING ALL NON-WORKING AREAS.

ALL SURFACES TO BE RESTORED TO ORIGINAL CONDITION, AND BACKFILL TO BE COMPACTED AS SPECIFIED. TRENCH EXCAVATION IN SURFACES WHICH INCLUDE CONCRETE TREATED BASE SHALL FOLLOW LOCAL AREA SPECIFICATIONS.

HAZARDOUS MATERIALS

THE CONTRACTOR SHALL NOTIFY THE JURISDICTIONAL PERMIT AGENCY IMMEDIATELY IF ANY MATERIALS ARE ENCOUNTERED THAT ARE CONSIDERED HAZARDOUS BY THE EPA, DEQ, OR OSHA. IF POTENTIALLY HAZARDOUS MATERIALS ARE ENCOUNTERED THE CONTRACTOR SHALL SECURE THE SITE AND PREVENT THE ACCIDENTAL EXPOSURE BY THE PUBLIC OR THE CONTRACTOR'S PERSONNEL.

THE CONTRACTOR MAY EXCAVATE UP TO, BUT SHALL NOT DISTURB KNOWN HAZARDOUS MATERIALS SUCH AS ASBESTOS, OILS, ACID, ETC. THE REMOVAL OF ALL HAZARDOUS MATERIALS MUST BE DONE BY AN APPROVED OR CERTIFIED HAZARDOUS MATERIALS CONTRACTOR LICENSED IN THE APPROPRIATE STATE.

A COPY OF ALL CORRESPONDENCE PERTINENT TO THE REMOVAL OF HAZARDOUS MATERIALS SHALL BE TRANSMITTED TO OWNER AND A COPY SHALL BE AVAILABLE AT THE PROJECT OFFICE AND THE JOB SITE.

AERIAL NOTES

- AERIAL CONSTRUCTION TO BE PERFORMED TO INDUSTRY ACCEPTABLE STANDARDS.
- ALL HEIGHTS OF CABLE PLACEMENT WILL BE RECORDED AT TIME OF CONSTRUCTION. DOCUMENT ALL POINTS OF ATTACHMENT.
- ALL EXTENSION ARMS TO BE PLACED WILL BE EPOXY ARMS UNLESS OTHERWISE NOTED OR APPROVED BY THE INSPECTOR.
- BOND STRAND TO POWER MGN WHERE APPLICABLE. ANCHORS TO BE USED WILL BE 3/4 SCREW IN TYPE.
- ALL STRAPS WILL BE PLACED 4" BEFORE AND AFTER EVERY SUPPORTING CLAMP AT A MINIMUM OF 21" APART.
- P.O.A. = POINT OF ATTACHMENT.
- ADD MISSING GROUNDS.
- REPAIR/REPLACE EXISTING LASHING WIRE IF DAMAGED.

CONSTRUCTION STAKING

IN AREAS WHERE THE CONDUIT ALIGNMENT IS NOT CLEARLY DEFINED BY CURB LINES, FENCE LINES, OR OTHER EVIDENCE OF THE RIGHT-OF-WAY, THE ENGINEER WILL PROVIDE CENTERLINE STAKES OR PAINT MARKS WHERE REQUIRED TO MAKE THE PROPOSED CONDUIT ALIGNMENT EVIDENT.

MANHOLE CENTERS WILL BE FIELD STAKED BY THE ENGINEER WHEN REQUESTED WITH OFFSET STAKES AT RIGHT ANGLES (90°) TO THE CONDUIT ALIGNMENT.

CLOSURES IDENTIFIED IN THE PLANS SHALL BE LOCATED BY THE CONTRACTOR. DEVIATION FROM PLAN LAYOUT SHALL BE APPROVED BY THE ENGINEER PRIOR TO CONDUIT AND/OR CLOSURE INSTALLATION.

IF ADDITIONAL, FIELD STAKING OR LOCATION OF CONDUITS, MANHOLES, PROPERTY LINES, ETC., BECOMES NECESSARY, THE CONTRACTOR IS TO NOTIFY THE INSPECTOR OR THE ENGINEER TWO WORKING DAYS PRIOR TO BEGINNING THE WORK.

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TAMPA, FL 33610

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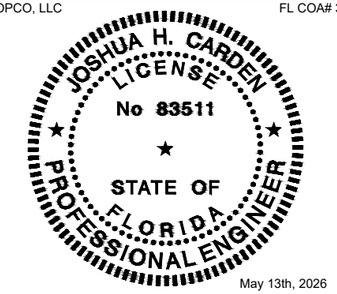
0	ORIGINAL	DC	05/13/2026

TEP OPCO, LLC FL COA# 31011



May 13th, 2026

This item has been digitally signed and sealed by JOSHUA H. CARDEN on the date adjacent to the seal.

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

SHEET TITLE:
GENERAL NOTES

PROJECT MANAGER:	SHAINE HERRICK
PROJECT ENGINEER:	DARIA COSTIN
PROJECT NUMBER:	U38578
DESCRIPTION:	1969 RODERICK LN
DRAWING NAME:	U38578 - SKIPPER CANAL - 1969 RODERICK LN-LA-MSID-1

SHEET:
D1 of 1

CONFIDENTIAL/PROPRIETARY

GENERAL NOTES

PERMITS - FRANCHISES - EASEMENTS

PHYSICAL WORK SHALL NOT BE STARTED UNTIL THE GOVERNING AGENCY INSPECTOR AND THE CONTRACTOR ARE IN POSSESSION OF AND HAVE CAREFULLY REVIEWED AND FULLY UNDERSTAND ALL CONDITIONS AND SPECIFICATIONS SET FORTH IN THE REQUIRED PERMITS, FRANCHISES, AND/OR EASEMENTS.

PLACING FOREMAN TO HAVE A COPY OF THE PERMITS/EASEMENTS ON SITE AT ALL TIMES.

ANY CONFLICT BETWEEN WORK PRINT SPECIFICATIONS AND SPECIFICATIONS SET FORTH UNDER RELATED PERMITS, FRANCHISES, AND/OR EASEMENTS MUST BE CLEARED BY PROPER COMPANY AUTHORITY BEFORE PROGRESSING WITH WORK INVOLVED

TRAFFIC CONTROL

THIS PROJECT WILL INVOLVE WORKING ALONG A MAJOR ARTERIAL ROAD AND HEAVY TRAFFIC VOLUME SHOULD BE ANTICIPATED.

UNIFORM TRAFFIC FLOW SHALL BE MAINTAINED AT ALL TIMES. ONLY EQUIPMENT AND MATERIALS NECESSARY FOR IMMEDIATELY SCHEDULED OR IN PROGRESS WORK WILL BE MAINTAINED IN THE WORK AREA. ALL OTHER EQUIPMENT AND MATERIALS WILL BE "STORED OR STOCKPILED" IN SUCH A MANNER AS TO ELIMINATE HAZARDOUS CONDITIONS FOR TRAFFIC OR PEDESTRIANS DURING NON-WORKING OR SHUT DOWN PERIODS.

TRAFFIC WARNING DEVICES AND SIGNS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (U.S. GOVERNMENT PRINTING OFFICE) AND TO THE STATE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION. HIGH LEVEL WARNING TYPE DEVICES ARE TO BE USED AT ALL TIMES AND SPECIAL WARNING DEVICES MAY BE STIPULATED BY THE JURISDICTIONAL PERMIT AGENCY AT ANY TIME THE USE WILL ADD TO THE SAFETY AND PROTECTION OF TRAFFIC OR PEDESTRIANS IN THE CONSTRUCTION AREA.

ALL CONDUIT TRENCHING IN PAVED AREAS SHALL BE BACKFILLED WITH CRUSHED GRAVEL OR COMPLETELY COVERED AT THE COMPLETION OF EACH WORKING DAY. ANY BACKFILLED TRENCH SHALL BE CAPPED WITH A MINIMUM LAYER OF ASPHALTIC CONCRETE COLD PATCH AT THE END OF EACH WORKING DAY.

THE CONTRACTOR SHALL MARK THE CONDUIT TRENCH AND DEFINE HIS CONSTRUCTION AREA CLEARLY WITH BARRICADES, CONES, AND/OR OTHER VISIBLE METHODS THAT ALERT THE PUBLIC OF THE CONSTRUCTION ACTIVITY.

A TRAFFIC CONTROL PLAN SHALL BE PREPARED BY THE CONTRACTOR AS REQUIRED AND SUBMITTED TO EACH PERMITTING AGENCY REQUESTING SUCH PLAN FOR REVIEW AND APPROVAL OR REVISION PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITY FOR THIS PROJECT. THE APPROVED PLAN SHALL BE SUBMITTED TO THE AGENCY AND A COPY OF THE PLAN SHALL BE KEPT AT THE CONSTRUCTION SITE AND MUST BE READILY AVAILABLE REVIEW BY THE AGENCY REPRESENTATIVES.

SPECIAL UTILITY CLEARANCES

ALL WORK CONDUCTED ADJACENT TO WATER MAINS SHALL CONFORM TO THE FOLLOWING CONDITIONS:

A. WHEREVER POSSIBLE CONDUIT SHALL MAINTAIN A HORIZONTAL SEPARATION OF 3.0 FEET, MEASURED SURFACE TO SURFACE (OUTSIDE EDGE TO OUTSIDE EDGE), FROM PARALLEL WATER MAINS.

B. WHEREVER POSSIBLE, CONDUIT SHALL PASS UNDER EXISTING WATER MAINS AND MUST MAINTAIN 24" VERTICAL CLEAR SEPARATION. CONDUITS PASSING OVER WATER MAINS MUST ALSO MAINTAIN THE 24" VERTICAL SEPARATION.

C. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING THIS REQUIRED VERTICAL SEPARATION BY EITHER EXPOSING THE WATER MAIN EVERY 100 FEET IN THOSE AREAS WHERE HORIZONTAL SEPARATION IS LESS THAN 3.0 FEET OR BY UTILIZING THE DEPTHS OF ADJACENT WATER VALVES. IF THE CONTRACTOR UTILIZES THE ADJACENT WATER TO DETERMINE WATER MAIN DEPTH, HE SHALL CONTACT THE AGENCY AT EACH SUCH LOCATION AND THE AGENCY WILL DETERMINE THE NECESSARY DEPTH OF THE TOP OF THE CONDUIT AT THAT POINT.

D. THE VERTICAL AND HORIZONTAL SEPARATION SHALL BE MAINTAINED AT ALL TIMES UNLESS SPECIFICALLY REVISED BY AGREEMENT BETWEEN THE JURISDICTIONAL PERMIT AGENCY AND THE AGENCY ANY SPECIFIC DEVIATION IN VERTICAL AND HORIZONTAL SEPARATION FROM THOSE DESCRIBED SHALL BE REPORTED TO THE OWNER BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING VERTICAL AND HORIZONTAL SEPARATION AT ALL TIMES AND SHALL BE RESPONSIBLE FOR ANY AND ALL ENCROACHMENTS.

E. CLEARANCES TO STORM SEWERS AND SANITARY SEWERS SHALL BE EXACTLY THE SAME AS THOSE TO WATER MAINS.

STRUCTURE PROTECTION

MANHOLES AND CONDUIT TO BE PLACED ADJACENT TO EXISTING STRUCTURES SUCH AS BRIDGE BRIDGE FOOTINGS/PIERS, BUILDING FOUNDATIONS, WALLS, POWER AND TELEPHONE POLES, AND OTHER UTILITIES SHALL MAINTAIN A MINIMUM CLEARANCE AS SHOWN. THE CONTRACTOR SHALL NOT UNDERMINE ANY ADJACENT STRUCTURE WITHOUT SPECIFIC WRITTEN PERMISSION FROM THE OWNER/OPERATOR OF SUCH STRUCTURE.

SHORING USED AS FOUNDATION SUPPORT SHALL BE DESIGNED SPECIFICALLY FOR BOTH THE LIVE AND DEAD LOADS OF THE STRUCTURE, OR IF ONLY THE DEAD LOAD IS USED FOR DESIGN, THE CONTRACTOR SHALL PROVIDE A DETAILED LAYOUT AND PLAN OF THE METHOD OF ESTABLISHING AND MAINTAINING THE DESIGN LOAD CONDITIONS (I.E., ROAD DETOURS, TIEBACKS, ETC.).

SEE UTILITY CLEARANCE SECTION NOTES FOR CLEARANCE CRITERIA TO PARALLEL OR CROSS UTILITIES.

EXISTING UTILITIES EXPOSED DURING EXCAVATION SHALL BE 100% SUPPORTED BY EITHER TRENCH BRIDGING AND SUSPENSION OR BY THE USE OF LONGITUDINAL TRAYS OR PLATFORMS VERTICALLY SUPPORTED BY ADJUSTABLE BUILDING JACKS.

EXISTING SPLICE CASES AND CABLES SHALL BE SUPPORTED BY SUSPENSION FROM A CROSSING BEAM. SUPPORTS SHALL BE PLACED AT A MAXIMUM SPACING OF 4.0 FEET AND SHALL CONSIST OF A CANVAS SLING WITH NYLON BELTING OR ROPE. ALL CABLE SUPPORTS SHALL BE PLACED IN A MANNER THAN PREVENTS KINKS OR OTHER DAMAGE TO THE CABLE SHEATH.

AN ACCEPTABLE ALTERNATIVE TO CABLE SLINGS WOULD BE THE UTILIZATION OF A WIDE FLANGE "I" BEAM OR CHANNEL AS A "CABLE TRAY" WITH THE CABLES/CASES BANDED IN PLACE.

SHORING

THE CONTRACTOR SHALL PROVIDE SHORING FOR CONDUIT TRENCH EXCAVATION 42" OR MORE IN DEPTH AS MEASURED FROM THE HIGH SIDE OF THE TRENCH AND FOR ALL MANHOLE EXCAVATION.

MANHOLE SHORING SHALL BE TIGHT-SHEETED.

ALL SHORING SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF LOCAL COUNTY AND THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA).

SHORING SHALL BE DESIGNED TO MEET H-20 HIGHWAY LOADING.

THE CONTRACTOR SHALL PROVIDE ALL SHORING AND DESIGN CALCULATIONS TO THE PERMIT ISSUING AGENCY PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITY.

UTILITY NOTE:

EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND BASED ON AVAILABLE RECORDS, VERBAL INFORMATION AND/OR PHYSICAL FEATURES. PRIOR TO CONSTRUCTION (AT LEAST 72 HOURS OR THE MORE RESTRICTIVE MINIMUM NOTIFICATION PERIOD), THE CONTRACTOR SHALL CONTACT SUNSHINE 811 TO ALLOW MARKING OF EXISTING BURIED UTILITIES WITHIN THE SCOPE OF THE PROPOSED WORKZONE.

SOFT DIGS &/OR POTHOLING SHALL BE REQUIRED BY CONTRACTOR TO IDENTIFY EXISTING UTILITY DEPTHS.

MINIMUM 24" SEPARATION SHALL BE MAINTAINED FROM ALL EXISTING UTILITIES UNLESS SUPERVISED.

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TEP

5906 BRECKENRIDGE PKWY, SUITE A
TAMPA, FL 33610

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REV	DESCRIPTION	INITIALS	DATE
0	ORIGINAL	DC	05/13/2026

TEP OPCO, LLC FL COA# 31011

JOSHUA H. CARDEN LICENSE No 83511 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 13th, 2026

This item has been digitally signed and sealed by JOSHUA H. CARDEN on the date adjacent to the seal.

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

SHEET TITLE:
GENERAL NOTES

PROJECT MANAGER:	SHAINE HERRICK
PROJECT ENGINEER:	DARIA COSTIN
PROJECT NUMBER:	U38578
DESCRIPTION:	1969 RODERICK LN
DRAWING NAME:	U38578 - SKIPPER CANAL - 1969 RODERICK LN-LA-MSID-1

SHEET:
D2 of 1

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FDOT CONSTRUCTION NOTES

1. Aerial crossings of State roads involving temporary lane closures are to be done between the hours of 12:00 am and 5:00 am Monday through Thursday unless previously approved by the Department.

2. When directional bore is the method of installation, a minimum 24-inch separation shall be maintained from all existing utilities unless supervised, ITS/ATMS lines, and storm drain systems while maintaining the minimum required depth under pavement or non-paved ground.

3. If the proposed utility cannot be installed per the approved permitted plan and by FDOT specifications, a revised plan must be provided to the Department for review and approval prior to the installation of products or materials at the given locations where conflicts occur.

4. Any new proposed plan shall include cross sections, plan views and profiles of the State road adequately reflecting all right-of-way features including but not limited to existing utilities, storm drain systems and any above or below ground appurtenances where applicable.

5. No pedestrian pathway is to be removed, blocked, or disturbed without having a sufficient designated temporary pedestrian pathway with all appropriate pedestrian maintenance of traffic signs (Index 660) in-place prior to pathway being affected.

6. All temporary pedestrian pathways must be firm and unyielding.

7. Any sidewalk disturbed will be replaced by section within 72 hours to FDOT specifications.

8. Any sidewalk fronting the property that is cracked, damaged or unstable and is creating an ADA trip hazard must be replaced by section, using Standard #520-001, #522-002, and #522-001 for the construction of sidewalk and meet current ADA Standards. All concrete placed in the right of way shall be a minimum of 6" thick, FDOT Certified Class 1 non-structural, 57 stone, 2500 PSI concrete, with fiber mesh material from a FDOT approved plant.

9. FDOT reserves the right to make adjustments to any permitted method of installation, scope of work, and restoration that may be required to positively support life, safety, and environmental well-being of all users of the transportation system.

10. The Permittee shall notify the FDOT of date of completion, request a final inspection, and a Notice of Final Acceptance.

11. All construction and/or maintenance in the FDOT right-of-way shall conform to the Federal Manual on Uniform Traffic Devices (MUTCD), the FDOT Roadway and Traffic Design Standards, the Standard Specifications for Road and Bridge Construction, the Florida Design Manual, and the Drainage Manual.

12. Prior to removal of existing curb or driveway, the edge of travel shall be sawcut to avoid damaging the existing roadway asphalt. All concrete to be removed in FDOT right-of-way shall be sawcut and removed from the nearest joint.

13. No lane closure of any State roadway is allowed without a minimum of two (2) weeks advance notification and approval from FDOT.

14. Lane closures must be limited to Sunday through Thursday 8:00 pm to 5:30 am unless otherwise approved by FDOT.

15. Any sidewalk damaged because of work being performed in association with the Permittee and Contractor shall be removed and replaced with 6-inch thick Class 1 non-structural, 2,500 PSI with fiber mesh.

16. Open cutting of any roadway, driveway or sidewalk outside those limits identified within the permit are not allowed without prior approval of by FDOT.

17. The Contractor shall have an authorized person available at/or near the work site on a 24-hour basis, 7 days a week in order to address emergency issues associated with the project.

18. No stockpiling, storing or semi-permanent use of the right-of-way is authorized unless specifically identified within the permit.

19. No work shall be performed during the weeks of any State or Federal holiday unless otherwise approved in writing by FDOT.

20. The permitted work schedule is defined as Monday through Friday 7:00 am to 5:30 pm unless otherwise noted within the permit. Any work desired outside of this period must be requested in advance and approved before working the alternate schedule.

21. When work is associated with roadway modifications and/or site development, the Contractor is required to have a preconstruction meeting with the FDOT inspector two weeks prior to any construction beginning within the right-of-way.

22. All work performed under this permit within the right-of-way is to be scheduled with FDOT inspection staff.

23. Roadway restoration shall utilize 100 PSI excavatable flowable fill material and asphalt placed within the State right-of-way shall be placed full-depth, two 2.5-inch lifts of SP 12.5, two 1.5-inch lifts of SP 9.5. Typical sections will need to be provided within the plans for the pavement placement. A stair step method should be incorporated, prior to placing asphalt, to avoid vertical joints. Milling of the patch may be required based on the patched surface performance. The milling shall be utilized for surface leveling to a thickness equal to or greater than the existing friction coarse material. The milling limits are 50-foot of the patch along the longitudinal path of the lane, full lane width and to include any adjacent bike lanes, shared path or urban shoulder sections.

24. Any disruptions to any permeable pedestrian way and bike lane are to be restored as work continues. All patches shall be full width from outside edge of pedestrian path to white line edge of travel lane with stair step (staggered) joints. Restoration to include backfill with existing sub-grade material and #57 stone as base material (compact in 6-inch lifts) to bottom of existing pervious asphalt base, followed by permeable design mix (if available) or FC-5 (Friction Course) mix with a minimum 2-inch and maximum 3-inch lifts. Maintain ingress/egress on all drives and side streets during construction.

25. Any bore pit greater than five (5) feet in depth requires a Sheeting and Shoring Plan as well as a Dewatering Plan.

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TEP OPCO, LLC FL COA# 31011

JOSHUA H. CARDEN
LICENSE
No 83511
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

May 13th, 2026

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SHEET TITLE:
CONSTRUCTION NOTES

PROJECT MANAGER:	SHAINE HERRICK
PROJECT ENGINEER:	DARIA COSTIN
PROJECT NUMBER:	U38578
DESCRIPTION:	1969 RODERICK LN
DRAWING NAME:	U38578 - SKIPPER CANAL - 1969 RODERICK LN-LA-MSID-1

SHEET:
E of 1

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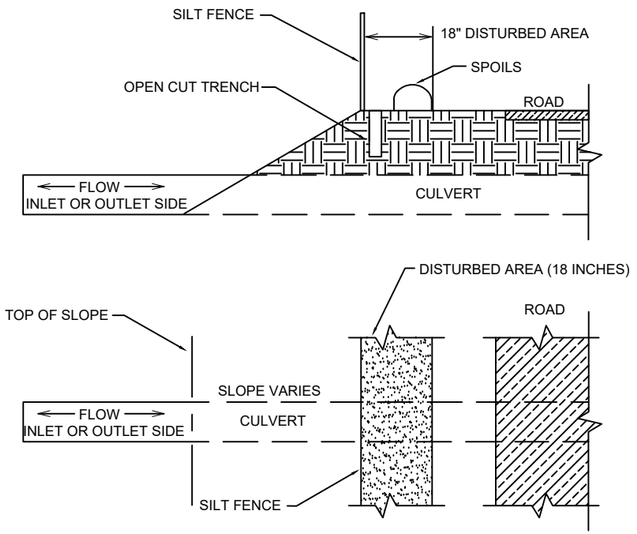
TYPICALS

CULVERT CUT OVER ON ROADSIDE SHOULDER

NOT TO SCALE



GENERAL NOTES

1. INSTALL SILT FENCE TO PROTECT DOWNSTREAM AREAS FROM SEDIMENTATION PRIOR TO CONSTRUCTION.
2. INSTALL SILT FENCE AS NEEDED TO PROTECT DRAINAGE FEATURES, BUT NO LESS THAN 10' ON EITHER SIDE OF CULVERT.

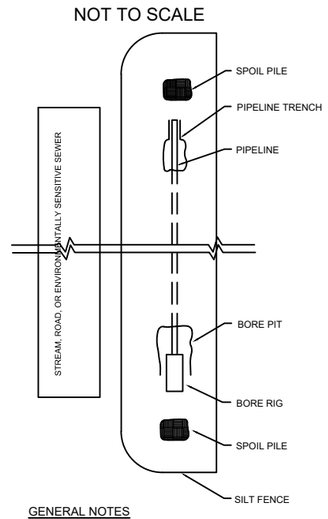
MAINTENANCE NOTES

INSPECT CULVERT CROSSING STRUCTURES WEEKLY AND AFTER EACH SIGNIFICANT RAINFALL EVENT (0.5" OR GREATER) TO SEE IF ANY EROSION AROUND OR BELOW THE SILT FENCE HAS OCCURRED, IMMEDIATELY MAKE ALL NEEDED REPAIRS TO PREVENT FURTHER DAMAGE.

*REF: 6.41.5 NC Erosion and Sediment Control Planning and Design Manual, 2006

DIRECTIONAL BORE DETAIL (PARALLEL)

NOT TO SCALE

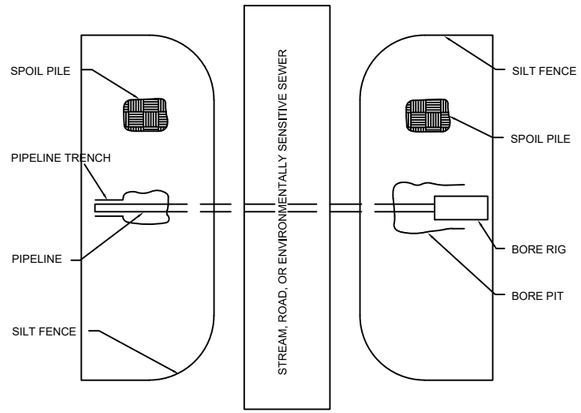


GENERAL NOTES

1. BORE PITS AND SPOILS PILES SHALL BE ENCLOSED ON THREE SIDES AS SHOWN WITH SILT FENCE

DIRECTIONAL BORE DETAIL (TRAVERSE)

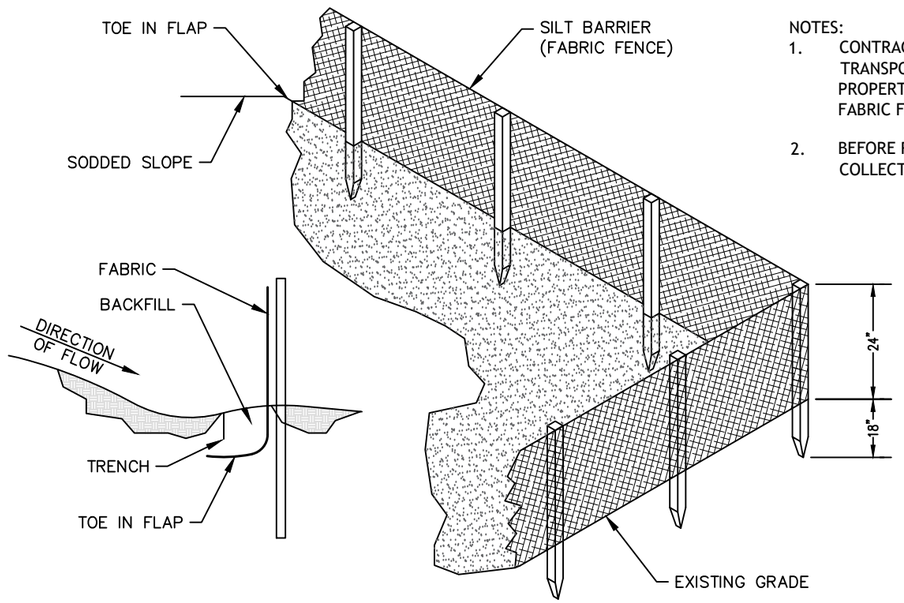
NOT TO SCALE



GENERAL NOTES

1. BORE PITS AND SPOILS PILES SHALL BE ENCLOSED ON THREE SIDES AS SHOWN WITH SILT FENCE

FABRIC FENCE SILT - BARRIER



NOTES:

1. CONTRACTOR IS REQUIRED TO PREVENT ANY SEDIMENT TRANSPORT FROM THE PROJECT SITE ON TO ADJACENT PROPERTY. INSTALLATION OF EITHER BALED HAY OR FABRIC FENCE TYPE SILT BARRIER IS ACCEPTABLE.
2. BEFORE REMOVING SILT BARRIER, CONTRACTOR SHALL COLLECT AND DISPOSE OF ANY ACCUMULATED SILT.

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REV	DESCRIPTION	INITIALS	DATE
0	ORIGINAL	DC	05/13/2026

TEP OPCO, LLC FL COA# 31011

JOSHUA H. CARDEN LICENSE No 83511 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 13th, 2026

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SHEET TITLE: TYPICALS

PROJECT MANAGER:	SHAINE HERRICK
PROJECT ENGINEER:	DARIA COSTIN
PROJECT NUMBER:	U38578
DESCRIPTION:	1969 RODERICK LN
DRAWING NAME:	U38578 - SKIPPER CANAL - 1969 RODERICK LN-LA-MSID-1

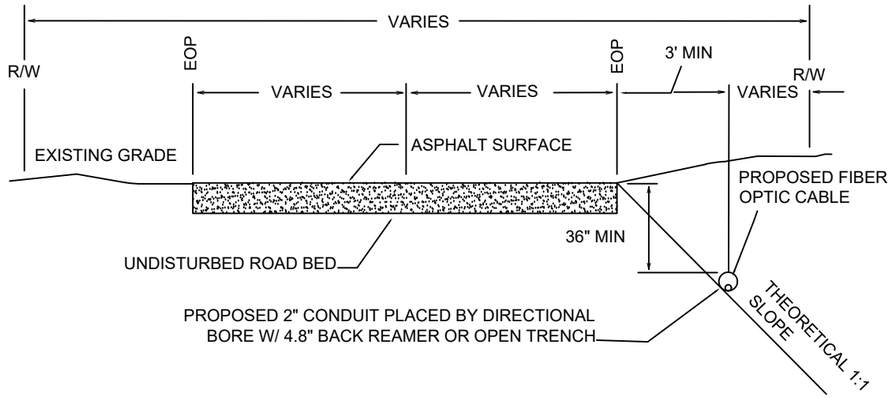
SHEET: F of 1

CONFIDENTIAL/PROPRIETARY

TYPICALS

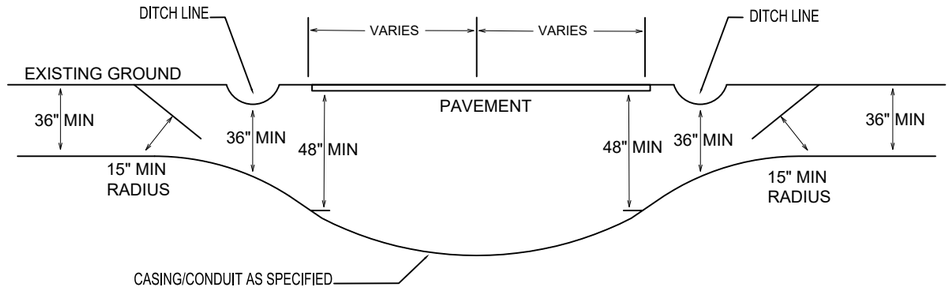
PARALLEL CONDUIT DETAIL FOR FDOT RIGHT-OF-WAY

NOT TO SCALE



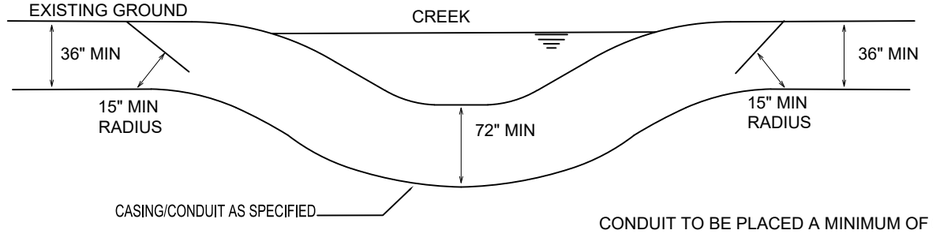
DIRECTIONAL BORE UNDER SECONDARY ROADWAY

NOT TO SCALE



DIRECTIONAL BORE UNDER CREEK BED

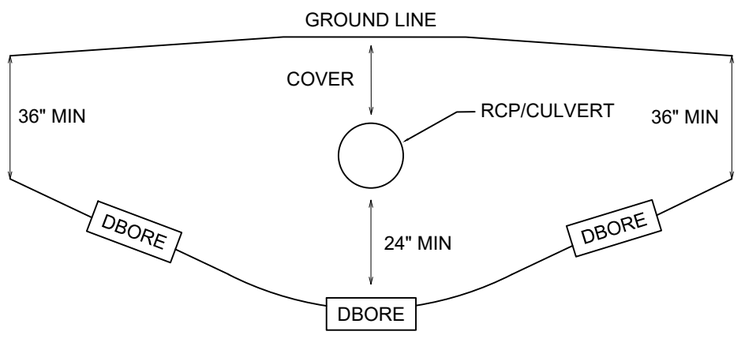
NOT TO SCALE



CONDUIT TO BE PLACED A MINIMUM OF 6 FEET BELOW CREEK BED

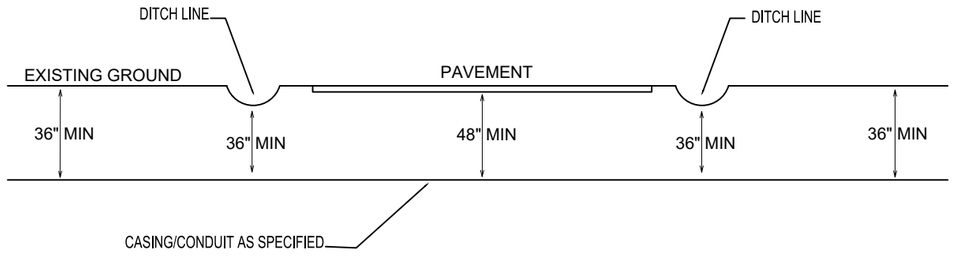
CULVERT CROSSING DETAIL

NOT TO SCALE



DRY BORE UNDER ROADWAY

NOT TO SCALE



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TEP OPCO, LLC — FL COA# 31011

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DRAWING NAME:	U38578 - SKIPPER CANAL - 1969 RODERICK LN-LA-MSID-1

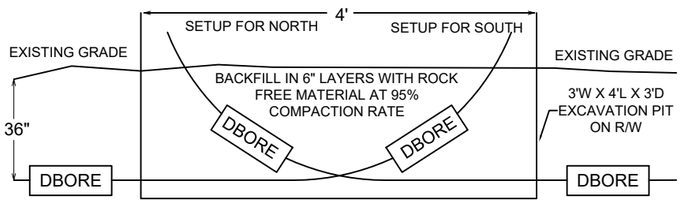
SHEET: G of 1

CONFIDENTIAL/PROPRIETARY

TYPICALS

DIRECTIONAL BORE TIE-IN DETAIL

NOT TO SCALE

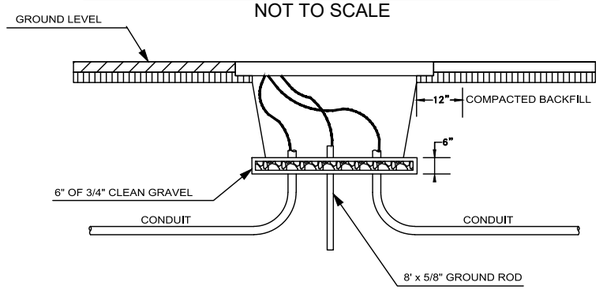


TIE-IN STATION

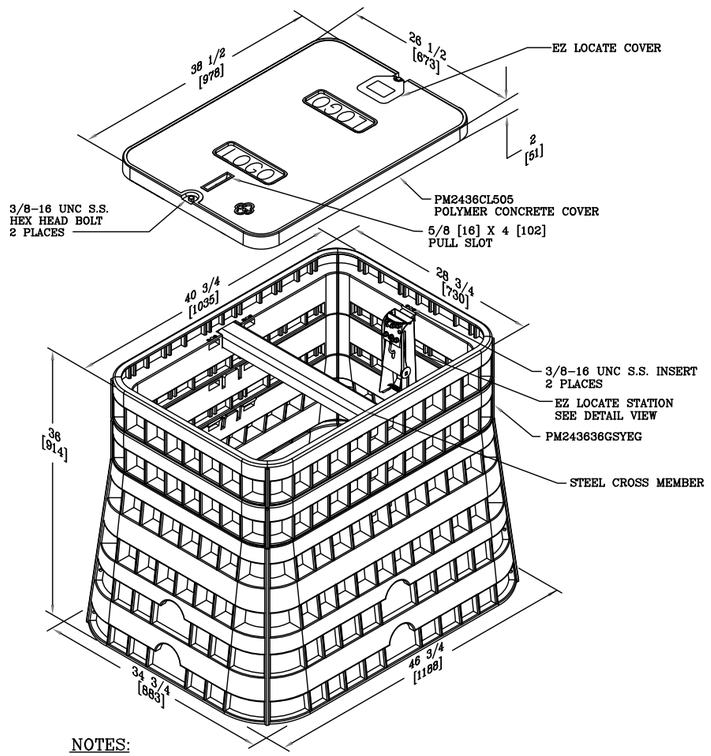
- BORE FROM EACH DIRECTION IS RUN AT DESIGN DEPTH TO 2 FEET PAST THE INTENDED TIE-IN. THEN TURNED UP TO DAYLIGHT.
- THE TIE-IN POINT IS EXCAVATED. THE CONDUITS CUT OFF WHERE THEY CROSS EACH OTHER AT DESIGN DEPTH, AND A COUPLER IS INSTALLED TO CONNECT THE TWO CONDUITS AT THE DESIGN DEPTH.
- ALL EXCAVATIONS OR TRENCHES 4 FEET OR GREATER IN DEPTH SHALL BE APPROPRIATELY BENCHED, SHORED, OR SLOPED IN OSHA'S EXCAVATION STANDARD, 29 CFR 1926.650, .651, AND .652

PULL BOX HANDHOLE

NOT TO SCALE



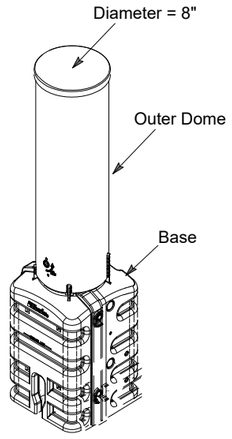
ALL EXCAVATIONS OR TRENCHES 4 FEET OR GREATER IN DEPTH SHALL BE APPROPRIATELY BENCHED, SHORED, OR SLOPED ACCORDING TO THE PROCEDURES AND REQUIREMENTS SET FORTH IN OSHA'S EXCAVATION STANDARD, 29 CFR 1926.650, .651, AND .652.



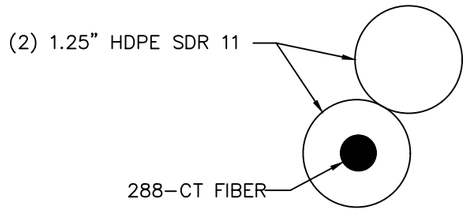
NOTES:

1. BOX MATERIAL TO BE HDPE PLASTIC, COVER MATERIAL TO BE POLYMER CONCRETE.
2. COLOR TO BE GREY.
3. THIS ASSEMBLY HAS A LOAD RATING OF 20,000 LBS. [88,960 N].

BDO204-EG



PIPE DETAIL



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SHEET: H of 1

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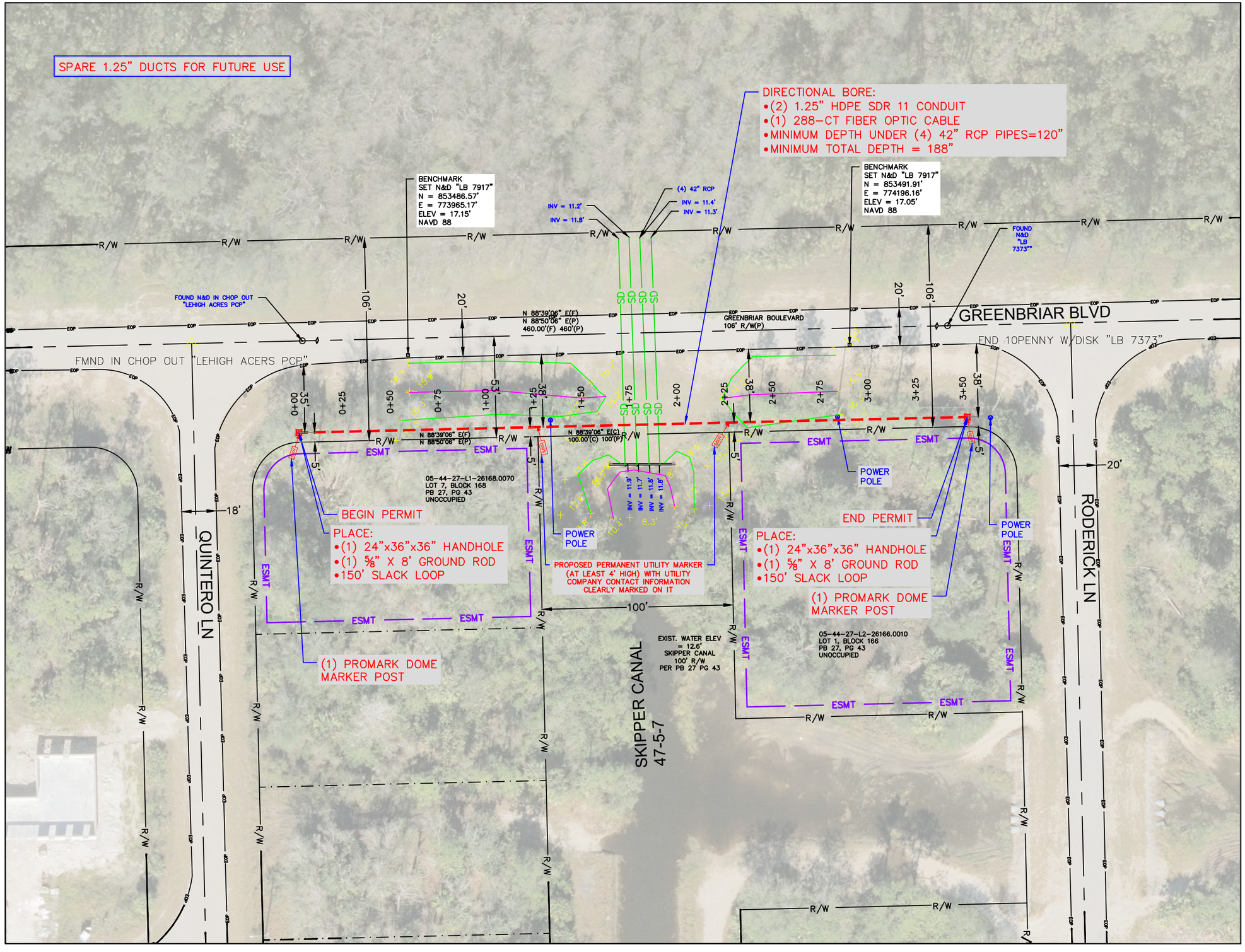

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0 10' 20' 30' 40' 50'
SCALE: 1"=50'

N

811
Know what's below
Call before you dig.

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0	ORIGINAL	DC	05/13/2026

TEP OPCO, LLC FL COA# 31011

JOSHUA H. CARDEN
LICENSE
No 83511
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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DRAWING NAME:	U38578 - SKIPPER CANAL - 1969 RODERICK LN-LA-MSID-1

SHEET:
1 of 1

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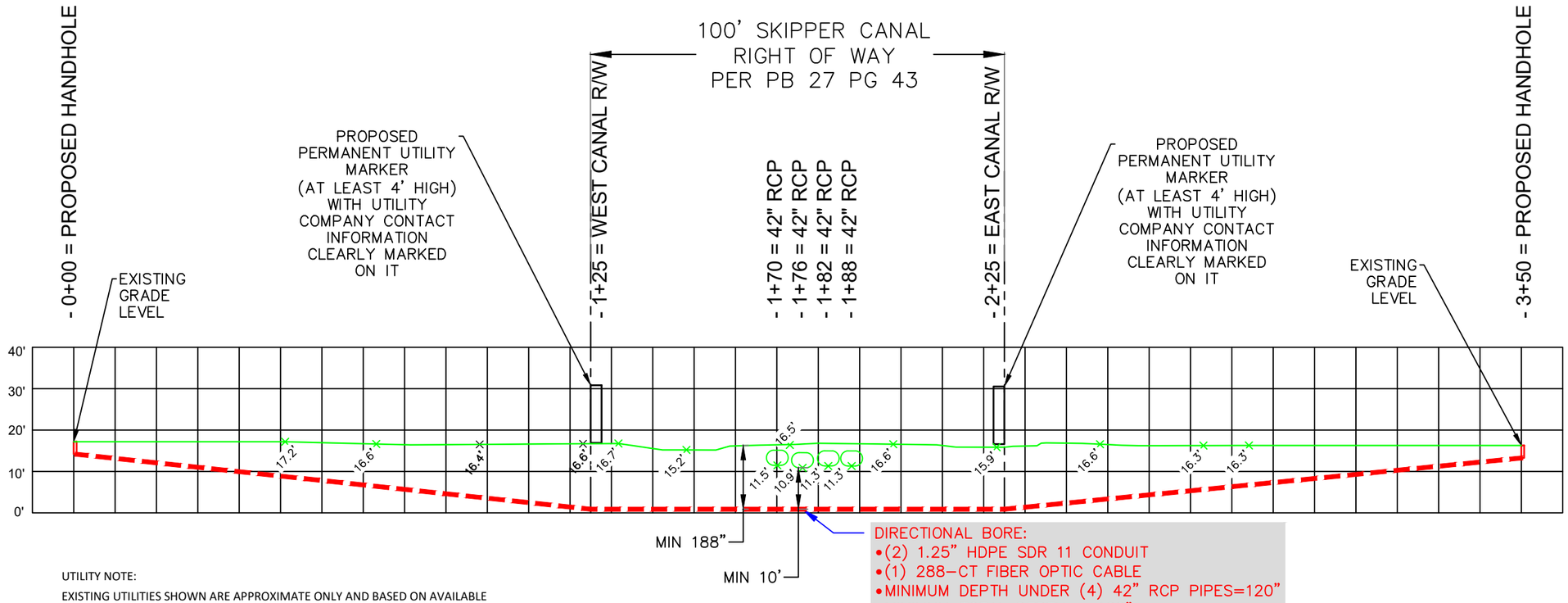
SUB-GRADE VERTICAL PROFILE VIEW
GREENBRIAR BLVD
FACING NORTH



UTILITY NOTE:

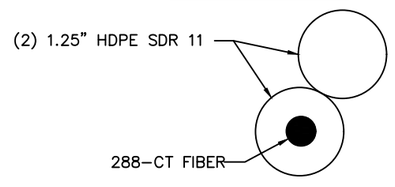
EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND BASED ON AVAILABLE RECORDS, VERBAL INFORMATION AND/OR PHYSICAL FEATURES. PRIOR TO CONSTRUCTION (AT LEAST 72 HOURS OR THE MORE RESTRICTIVE MINIMUM NOTIFICATION PERIOD), THE CONTRACTOR SHALL CONTACT SUNSHINE 811 TO ALLOW MARKING OF EXISTING BURIED UTILITIES WITHIN THE SCOPE OF THE PROPOSED WORKZONE.

NOTE:

BORE MUST BE 10' BELOW THE LOWEST PIPE INVERT OR THE CANAL BOTTOM, WHICHEVER IS LOWEST, FOR THE ENTIRE 100' WIDE CANAL RIGHT OF WAY.

ALL CANAL RIGHT OF WAY THAT IS DISTURBED MUST BE RESTORED WITH SOD AND MAINTAINED UNTIL WELL ESTABLISHED. NO SEEDING WILL BE ALLOWED.

PIPE DETAIL



NOTE:

BORE TO MAINTAIN A MINIMUM DEPTH OF 48" BELOW GRADE AND A MINIMUM DEPTH OF 48" BELOW TOP OF ROADWAY. A MINIMUM OF 30" SEPARATION SHALL BE MAINTAINED FROM ALL EXISTING UTILITIES, ITS/ATMS, AND STORM DRAIN SYSTEMS UNLESS SUPERVISED. NO BACK REAMER REQUIRED DUE TO SIZE OF 4" BIT. SOFT DIGS &/OR POTHOLING MAY BE REQUIRED BY CONTRACTOR TO IDENTIFY EXISTING UTILITY DEPTHS.

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0 10' 20' 30'
SCALE: 1"=30'

N

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SHEET:
1A of 1

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STREET LEVEL VIEW
STA 1+25
FACING EAST



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5906 BRECKENRIDGE PKWY, SUITE A
TAMPA, FL 33610

TEP IS A FAMILY OF COMPANIES LICENSED TO PROVIDE DIFFERENT SERVICES IN DIFFERENT JURISDICTIONS. DEPENDING ON THE JURISDICTION, PROFESSIONAL ENGINEERING AND LAND SURVEYING SERVICES ARE PROVIDED BY TEP OPCO LLC, A DELAWARE LIMITED LIABILITY COMPANY, TEP ENGINEERING, PLLC, A NORTH CAROLINA PROFESSIONAL LIMITED LIABILITY COMPANY, OR M&H ENGINEERING, PLLC, A NEW YORK PROFESSIONAL LIMITED LIABILITY COMPANY. GENERAL CONTRACTOR SERVICES ARE PROVIDED BY TEPDB OPCO LLC, A DELAWARE LIMITED LIABILITY COMPANY. WE ACQUIRE THE REQUISITE LICENSES IN EACH STATE. ADDITIONAL INFORMATION CAN BE OBTAINED FROM THE COMPANY. THESE DRAWINGS ARE INTENDED TO DEPICT FIBER OPTIC CABLES, CONDUITS, AND RELATED INFRASTRUCTURE WITHIN THE PUBLIC RIGHT-OF-WAY (R/W) OR AREAS WITH VALID, RECORDED EASEMENTS OR LEASES, HOWEVER R/W LOCATIONS ARE BASED SOLELY ON GEOGRAPHIC INFORMATION SYSTEMS (GIS) DATA FROM THE LOCAL JURISDICTION. SURVEYS TO VERIFY R/W OR PROPERTY BOUNDARIES WERE NOT PERFORMED. WHERE INSTALLATION ROUTES EXTEND BEYOND THE R/W, THE UTILITY OWNER/OPERATOR IS SOLELY RESPONSIBLE FOR SECURING AND PROVIDING ALL NECESSARY EASEMENTS, LEASES, OR PROPERTY RIGHTS PRIOR TO CONSTRUCTION. CONTRACTORS SHALL RELY ON THE UTILITY OWNER/OPERATOR'S DOCUMENTATION AND ARE RESPONSIBLE FOR ENSURING THAT CONSTRUCTION OCCURS ONLY WITHIN AUTHORIZED AREAS. TEP, THE ENGINEER, DESIGNER, AND CREATOR OF THESE DRAWINGS ASSUME NO RESPONSIBILITY OR LIABILITY FOR UNAUTHORIZED PLACEMENT OF UTILITIES OUTSIDE THE PUBLIC R/W OR ON PRIVATE PROPERTY WITHOUT PROPER LEGAL AUTHORIZATION. ALL INSTALLATIONS MUST COMPLY WITH APPLICABLE LAWS AND REGULATIONS.

SCALE = N.T.S.

N

811 Know what's below Call before you dig.

REV	DESCRIPTION	INITIALS	DATE
0	ORIGINAL	DC	05/13/2026

TEP OPCO, LLC FL COA# 31011

JOSHUA H. CARDEN LICENSE No 83511 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 13th, 2026

This item has been digitally signed and sealed by JOSHUA H. CARDEN on the date adjacent to the seal.

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

SHEET TITLE: PROJECT SHEET

PROJECT MANAGER:	SHAINE HERRICK
PROJECT ENGINEER:	DARIA COSTIN
PROJECT NUMBER:	U38578
DESCRIPTION:	1969 RODERICK LN
DRAWING NAME:	U38578 - SKIPPER CANAL - 1969 RODERICK LN-LA-MSID-1
SHEET:	I1 of 1

CONFIDENTIAL/PROPRIETARY

STREET LEVEL VIEW
STA 2+50
FACING WEST



lumos

TEP

5906 BRECKENRIDGE PKWY, SUITE A
TAMPA, FL 33610

TEP IS A FAMILY OF COMPANIES LICENSED TO PROVIDE DIFFERENT SERVICES IN DIFFERENT JURISDICTIONS. DEPENDING ON THE JURISDICTION, PROFESSIONAL ENGINEERING AND LAND SURVEYING SERVICES ARE PROVIDED BY TEP OPCO LLC, A DELAWARE LIMITED LIABILITY COMPANY, TEP ENGINEERING, PLLC, A NORTH CAROLINA PROFESSIONAL LIMITED LIABILITY COMPANY, OR M&H ENGINEERING, PLLC, A NEW YORK PROFESSIONAL LIMITED LIABILITY COMPANY. GENERAL CONTRACTOR SERVICES ARE PROVIDED BY TEPDB OPCO LLC, A DELAWARE LIMITED LIABILITY COMPANY. WE ACQUIRE THE REQUISITE LICENSES IN EACH STATE. ADDITIONAL INFORMATION CAN BE OBTAINED FROM THE COMPANY. THESE DRAWINGS ARE INTENDED TO DEPICT FIBER OPTIC CABLES, CONDUITS, AND RELATED INFRASTRUCTURE WITHIN THE PUBLIC RIGHT-OF-WAY (R/W) OR AREAS WITH VALID, RECORDED EASEMENTS OR LEASES, HOWEVER R/W LOCATIONS ARE BASED SOLELY ON GEOGRAPHIC INFORMATION SYSTEMS (GIS) DATA FROM THE LOCAL JURISDICTION. SURVEYS TO VERIFY R/W OR PROPERTY BOUNDARIES WERE NOT PERFORMED. WHERE INSTALLATION ROUTES EXTEND BEYOND THE R/W, THE UTILITY OWNER/OPERATOR IS SOLELY RESPONSIBLE FOR SECURING AND PROVIDING ALL NECESSARY EASEMENTS, LEASES, OR PROPERTY RIGHTS PRIOR TO CONSTRUCTION. CONTRACTORS SHALL RELY ON THE UTILITY OWNER/OPERATOR'S DOCUMENTATION AND ARE RESPONSIBLE FOR ENSURING THAT CONSTRUCTION OCCURS ONLY WITHIN AUTHORIZED AREAS. TEP, THE ENGINEER, DESIGNER, AND CREATOR OF THESE DRAWINGS ASSUME NO RESPONSIBILITY OR LIABILITY FOR UNAUTHORIZED PLACEMENT OF UTILITIES OUTSIDE THE PUBLIC R/W OR ON PRIVATE PROPERTY WITHOUT PROPER LEGAL AUTHORIZATION. ALL INSTALLATIONS MUST COMPLY WITH APPLICABLE LAWS AND REGULATIONS.

SCALE = N.T.S.

N

811 Know what's below Call before you dig.

REV	DESCRIPTION	INITIALS	DATE
0	ORIGINAL	DC	05/13/2026

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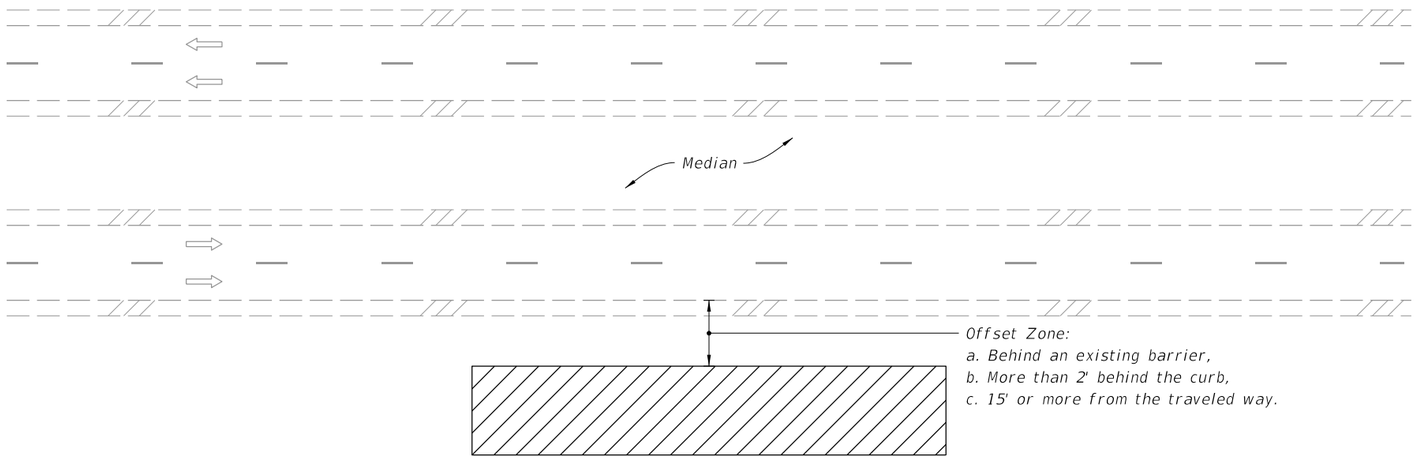
SHEET:
I2 of 1

CONFIDENTIAL/PROPRIETARY



MULTILANE ROADWAY SHOWN, TWO-LANE ROADWAY SIMILAR

NOTES:

1. This Index applies to Two-Lane, Two-Way and Multilane Roadways, including Medians of divided roadways, with work beyond the shoulder.

2. Use Index 102-602 when the work operation (excluding establishing and terminating the work area) requires that two or more work vehicles cross the Offset Zone in any one hour period.

3. Use Index 102-660 when Work Area encroaches a Sidewalk.

SYMBOLS:

Work Area

Lane Identification and Direction of Traffic

9/10/2024 10:45:01 AM

LAST REVISION	REVISION	DESCRIPTION:			INDEX	SHEET
11/01/20			FY 2025-26 STANDARD PLANS	TWO-LANE AND MULTILANE ROADWAY, WORK BEYOND THE SHOULDER	102-601	1 of 1

NOTE:

1. This Index applies to Two-Lane, Two-Way and Multilane Roadways, including Medians of divided roadways, with work on the shoulder.

2. L = Taper Length
   X = Work Zone Sign Spacing
   B = Buffer Length
   See Index 102-600 for "L", "X", "B", and channelizing device spacing values.

3. Where work activities are between 2' and 15' from the edge of traveled way, the Engineer may omit signs and channelizing devices for work operations 60 minutes or less.

4. When four or more work vehicles enter the through traffic lanes in a one hour period (excluding establishing and terminating the work area), use a flagger or lane closure to accommodate work vehicle ingress and egress.

5. For work less than 2' from the traveled way and work zone speed is greater than 45 MPH, use a lane closure.

6. The "Speeding Fines Doubled When Workers Present" signs (M0T-13-06) and "End Road Work" Signs (G20-2) along with the associated work zone sign spacing distances may be omitted when the work operation is in place for 24 hours or less.

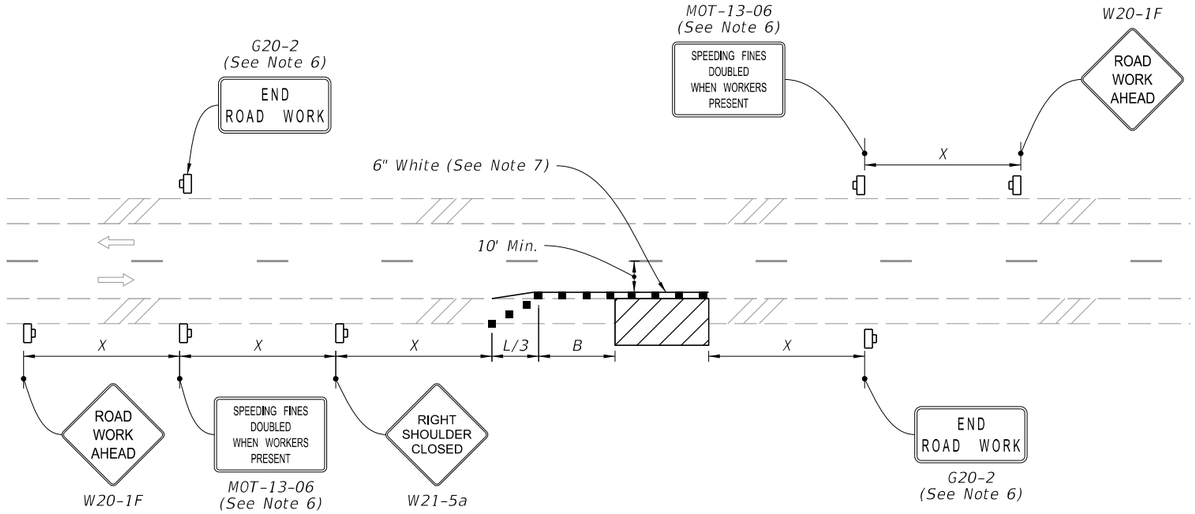
7. Temporary pavement markings may be omitted when the work operation is in place for 3 days or less.

8. Omit "Shoulder Closed" signs (W21-5a) along with associated work zone sign spacing distances for work on the median.

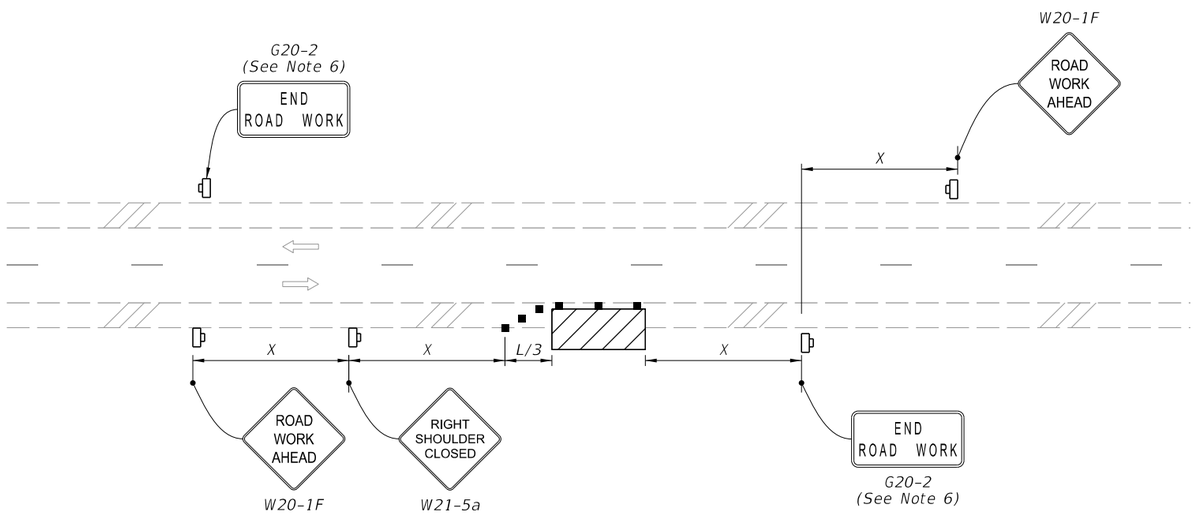
9. When there is no paved shoulder, the "Worker" sign (W21-1) may be used instead of the "Shoulder Closed" sign (W21-5a).

SYMBOLS:

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Lane Identification and Direction of Traffic



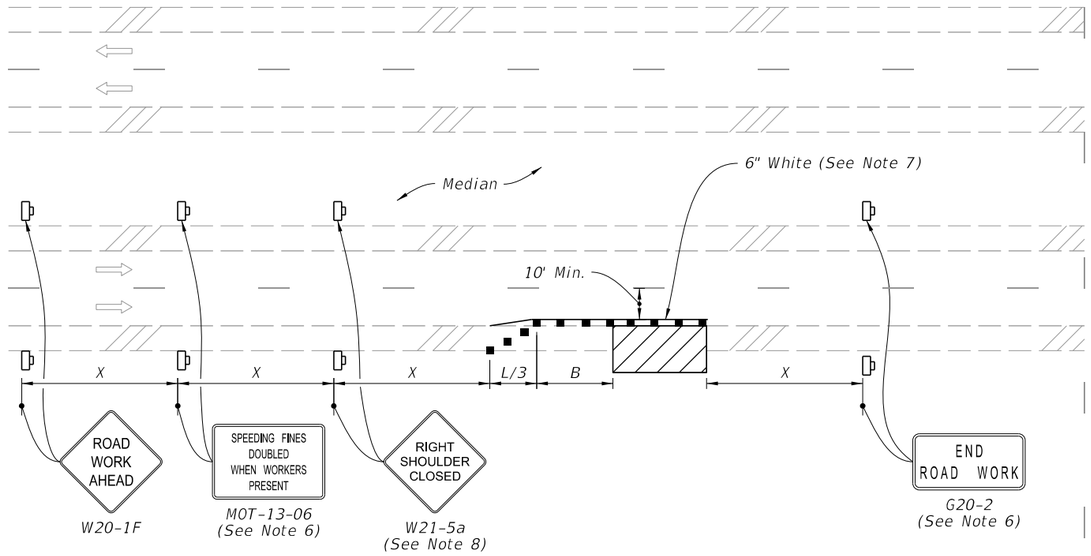
TWO-LANE ROADWAY
SHOULDER WORK LESS THAN 2' FROM THE TRAVELED WAY
WITH WORK ZONE SPEED OF 45 MPH OR LESS



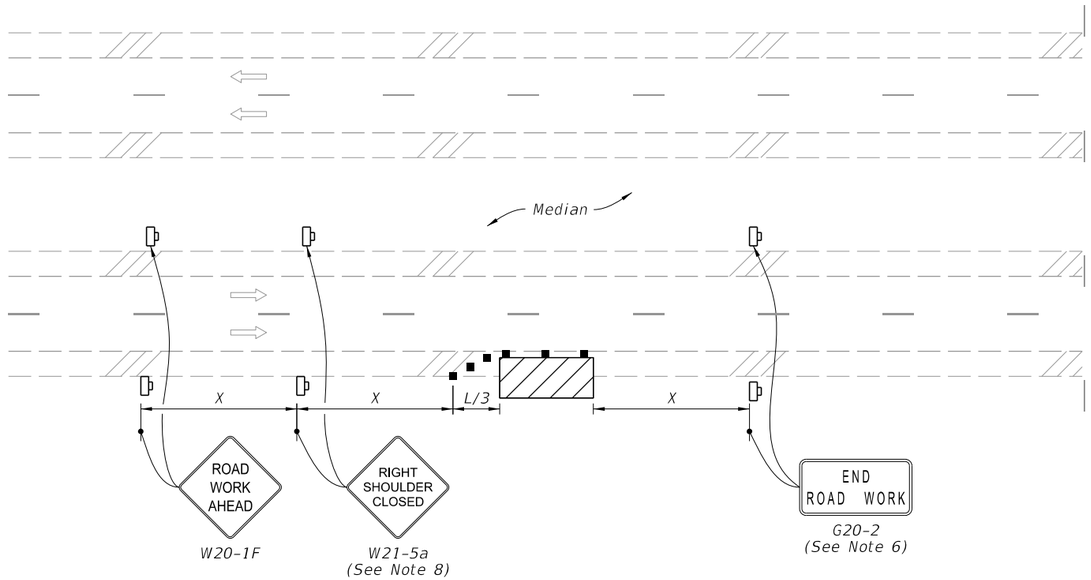
TWO-LANE ROADWAY
SHOULDER WORK BETWEEN 2' AND 15' FROM THE TRAVELED WAY

9/10/2024 10:45:37 AM

LAST REVISION	REVISION	DESCRIPTION:			INDEX	SHEET
11/01/21			FY 2025-26 STANDARD PLANS	TWO-LANE AND MULTILANE, WORK ON SHOULDER	102-602	1 of 2



MULTILANE ROADWAY
SHOULDER WORK LESS THAN 2' FROM THE TRAVELED WAY
WITH WORK ZONE SPEED OF 45 MPH OR LESS



MULTILANE ROADWAY
SHOULDER WORK BETWEEN 2' AND 15' FROM THE TRAVELED WAY

SYMBOLS:

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Lane Identification and Direction of Traffic

9/10/2024 10:45:44 AM

LAST REVISION	REVISION	DESCRIPTION:				
11/01/20			FY 2025-26 STANDARD PLANS	TWO-LANE AND MULTILANE, WORK ON SHOULDER	INDEX 102-602	SHEET 2 of 2

NOTES:

1. Cover or deactivate pedestrian traffic signal display(s) controlling closed crosswalks.

2. Place pedestrian LCDs across the full width of the closed sidewalk.

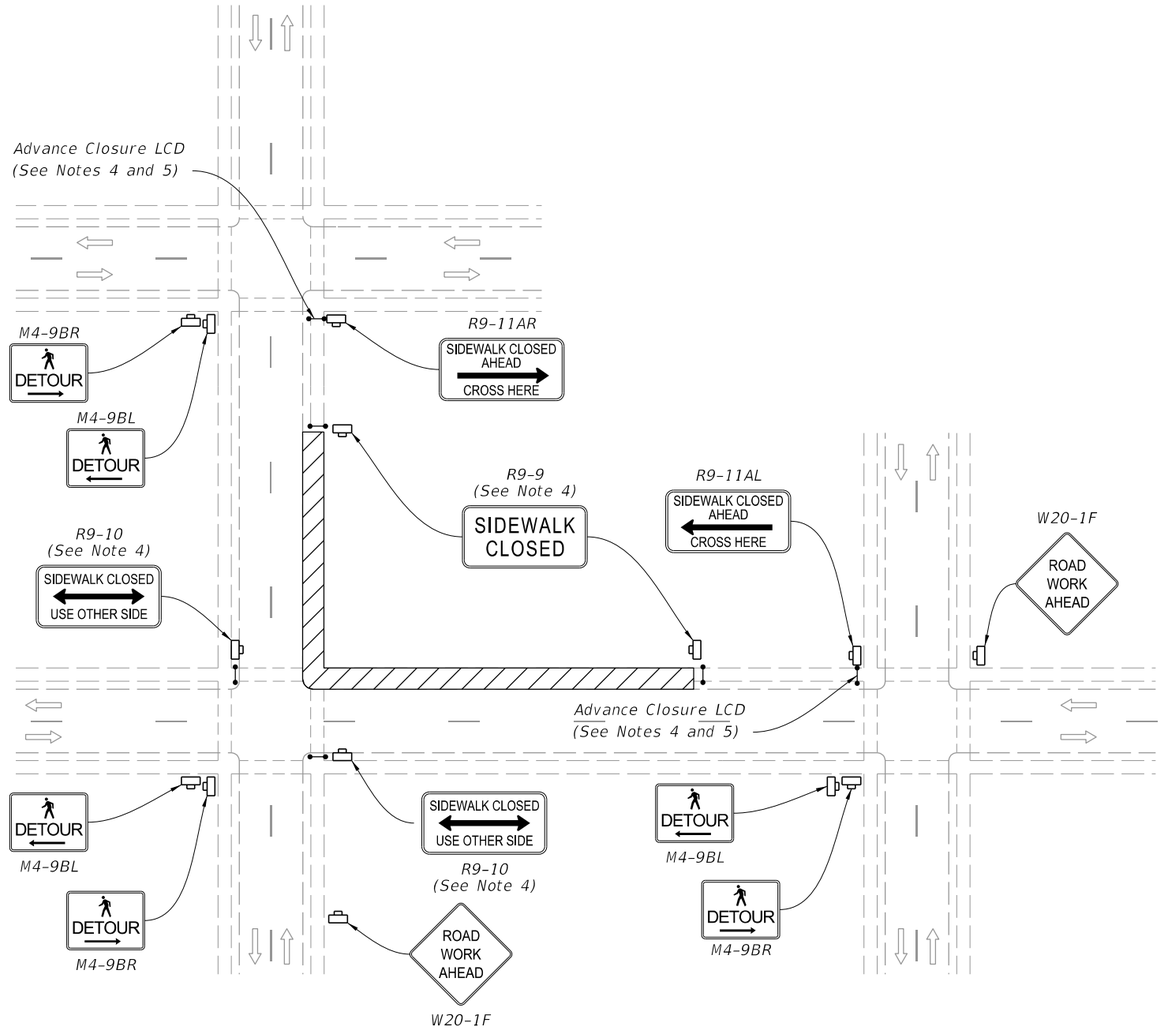
3. For post mounted signs located near or adjacent to a sidewalk, maintain a minimum 7' clearance from the bottom of the sign panel to the surface of the sidewalk.

4. "Sidewalk Closed" signs (R9-XX) may be mounted on pedestrian LCDs in accordance with the manufacturer's instructions.

5. Omit the Advance Closure LCD if it blocks access to other pedestrian facilities (e,g,, transit stops, residences, or business entrances).

SYMBOLS:

- Work Area
- Work Zone Sign
- Pedestrian Longitudinal Channelizing Device (LCD)
- Lane Identification and Direction of Traffic



PEDESTRIAN DETOUR

9/10/2024 11:11:04 AM

LAST REVISION	REVISION	DESCRIPTION:				
11/01/20			FY 2025-26 STANDARD PLANS	SIDEWALK CLOSURE	INDEX 102-660	SHEET 1 of 2

NOTES:

1. L = Taper Length
   B = Buffer Length
   X = Work Zone Sign Distance
   See Index 102-600 for "L", "B", "X", channelizing device spacing values.

2. Provide a 5' wide temporary pedestrian way with a maximum cross-slope of 0.02, except where space restrictions warrant a minimum width of 4'. Provide a 5' x 5' passing space for temporary pedestrian ways less than 5' in width at intervals not to exceed 200'.

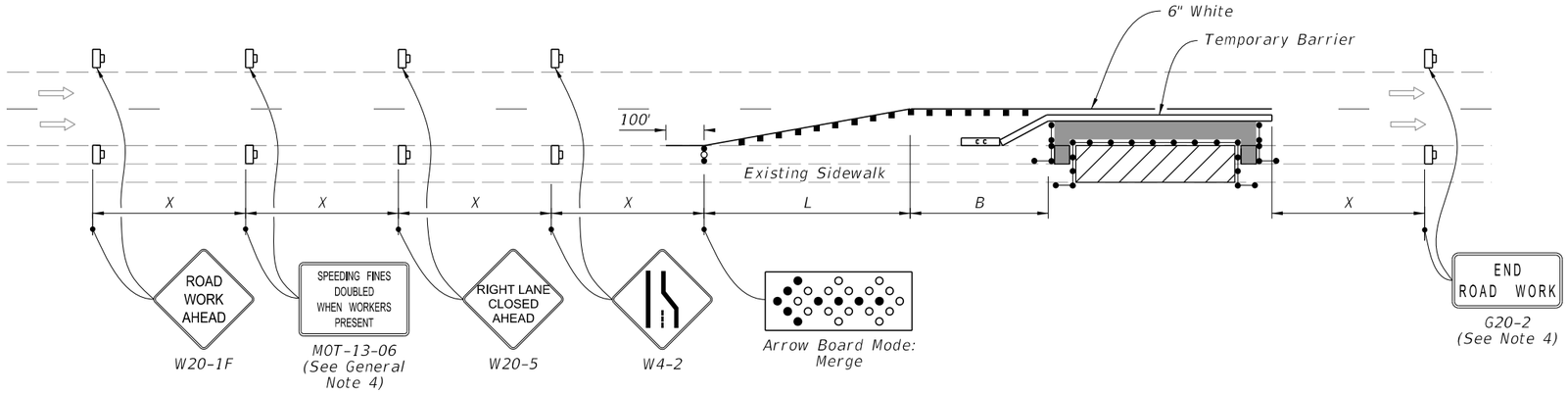
3. When temporary pedestrian ways require curb ramps, meet the requirements of Index 522-002. Detectable warnings are not required for curb ramps diverting pedestrian traffic into a closed lane.

4. The "Speeding Fines Doubled When Workers Present" signs (MOT-13-06) and "End Road Work" signs (G20-2), along with associated work zone sign distances, may be omitted when the work operation will be in place for 24 hours or less.

5. Pedestrian Diversion Option 2 may only be used when called for in the Plans or as approved by an Engineer.

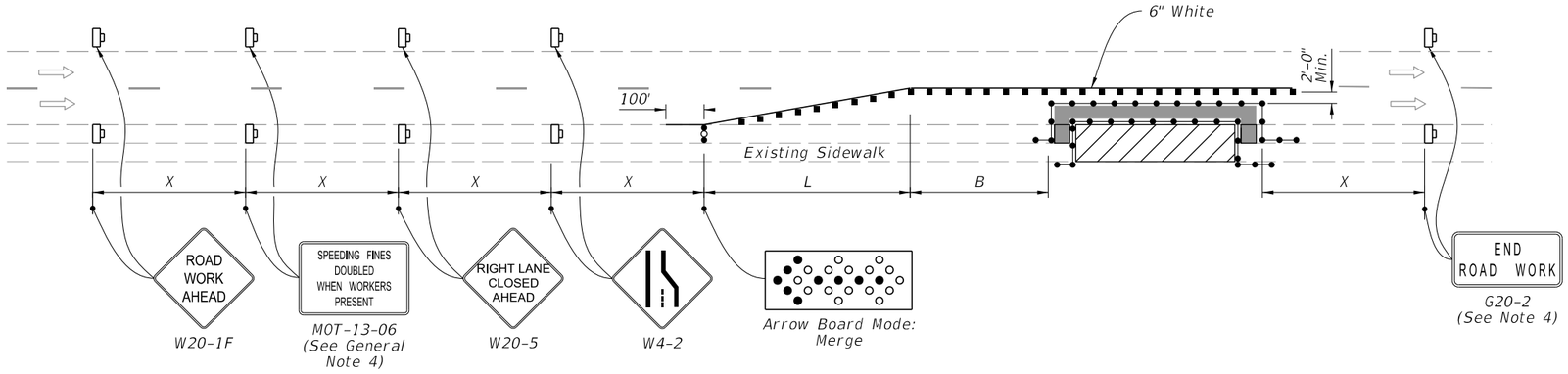
SYMBOLS:

- Work Area
- Temporary Pedestrian Way
- Channelizing Device (See Index 102-600)
- Pedestrian Longitudinal Channelizing Device (LCD)
- Work Zone Sign
- Arrow Board
- Crash Cushion
- Lane Identification and Direction of Traffic



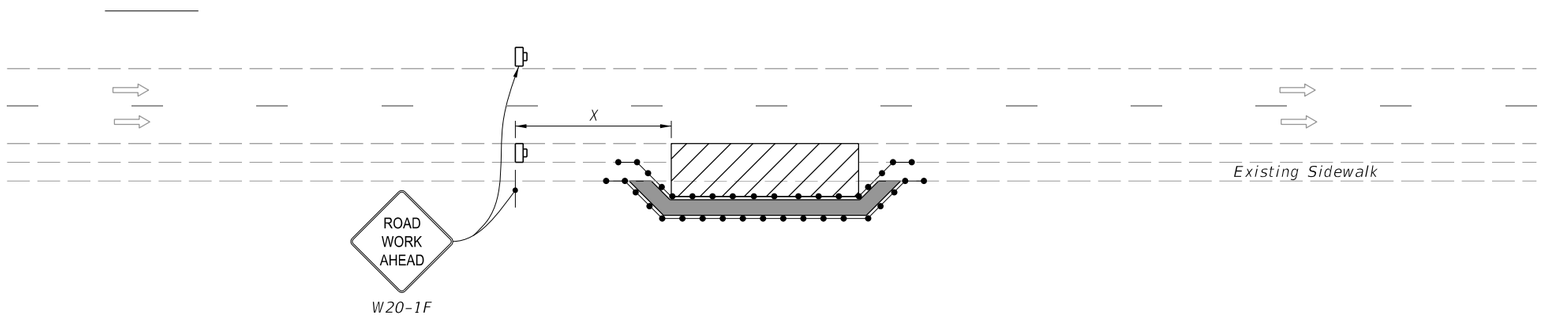
PEDESTRIAN DIVERSION - OPTION 1

(Temporary Barrier Shown, Low Profile Barrier Similar)



PEDESTRIAN DIVERSION - OPTION 2

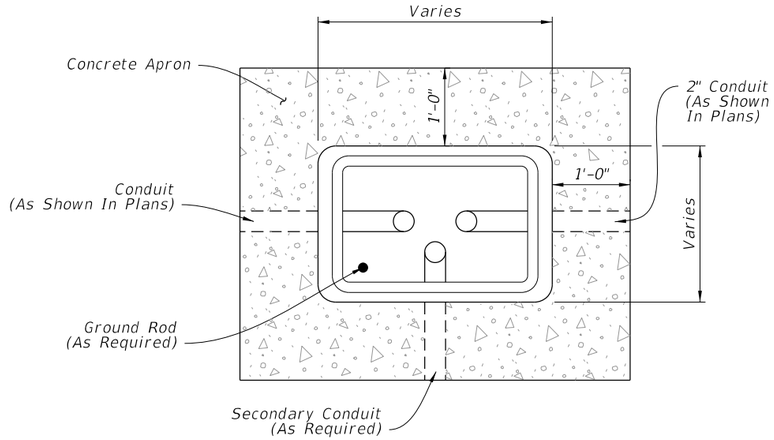
(Work Zone Speed 45 mph or Less)



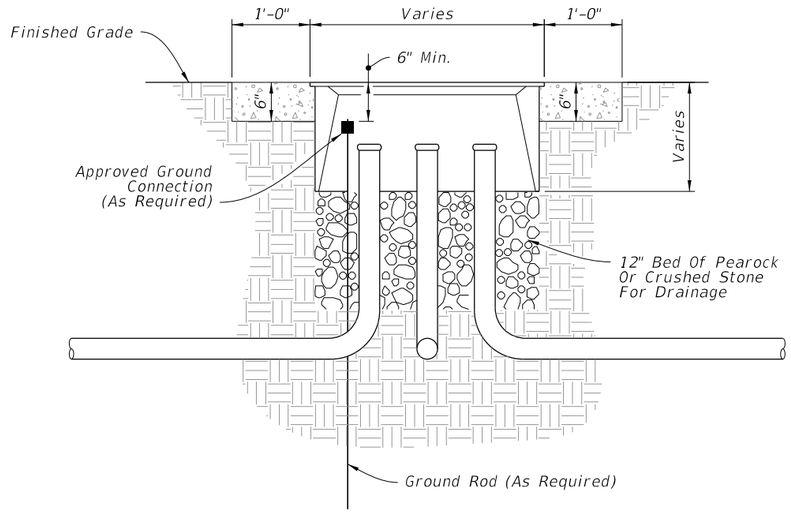
PEDESTRIAN SPECIAL DETOUR

9/10/2024 11:11:11 AM

LAST REVISION	REVISION	DESCRIPTION:			INDEX	SHEET
11/01/23			FY 2025-26 STANDARD PLANS	SIDEWALK CLOSURE	102-660	2 of 2

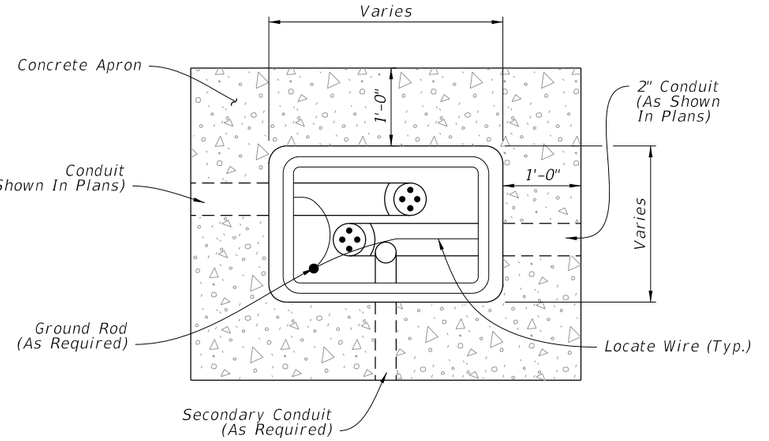


PLAN

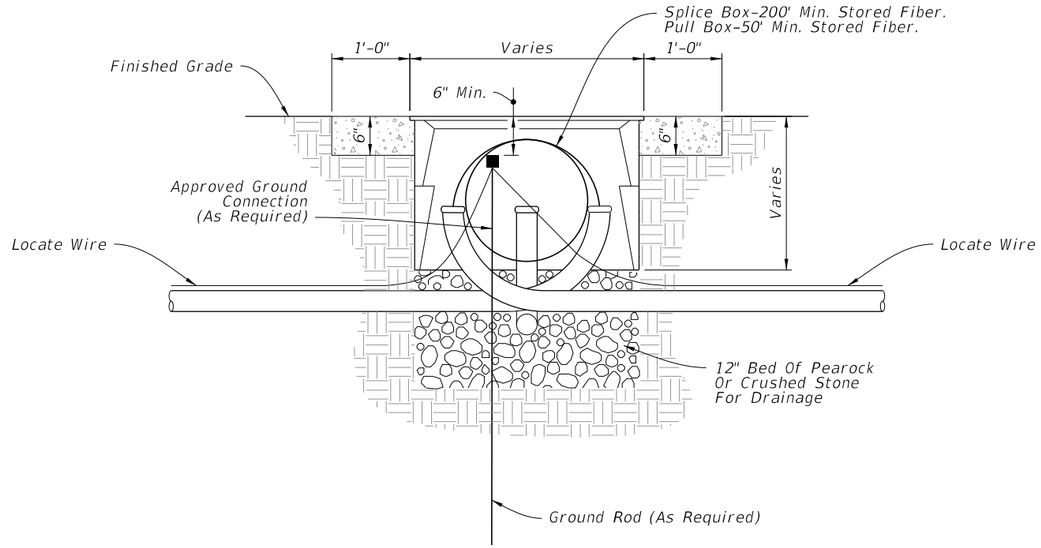


ELEVATION

PULL BOX



PLAN



ELEVATION

FIBER OPTIC BOX

NOTES:

1. Provide fiber optic splice boxes with cable hanger racks designed to support cables and splice enclosures.
2. Install a 1'-0" wide (Min.) concrete apron around all boxes using Class NS concrete. Slope the apron away from the box.
3. Where multiple pull boxes are placed side by side, maintain at least 8" between the pull boxes.
4. Rectangular boxes shown, others similar.

9/10/2024 2:16:11 PM

LAST REVISION	REVISION	DESCRIPTION:	FY 2025-26 STANDARD PLANS	PULL AND SPLICE BOXES	INDEX	SHEET
11/01/18					635-001	1 of 1

Topographic Survey of a Subject Project Site

lying within

Section 05, Township 44 South, Range 27 East

Lehigh Acres, Lee County, Florida

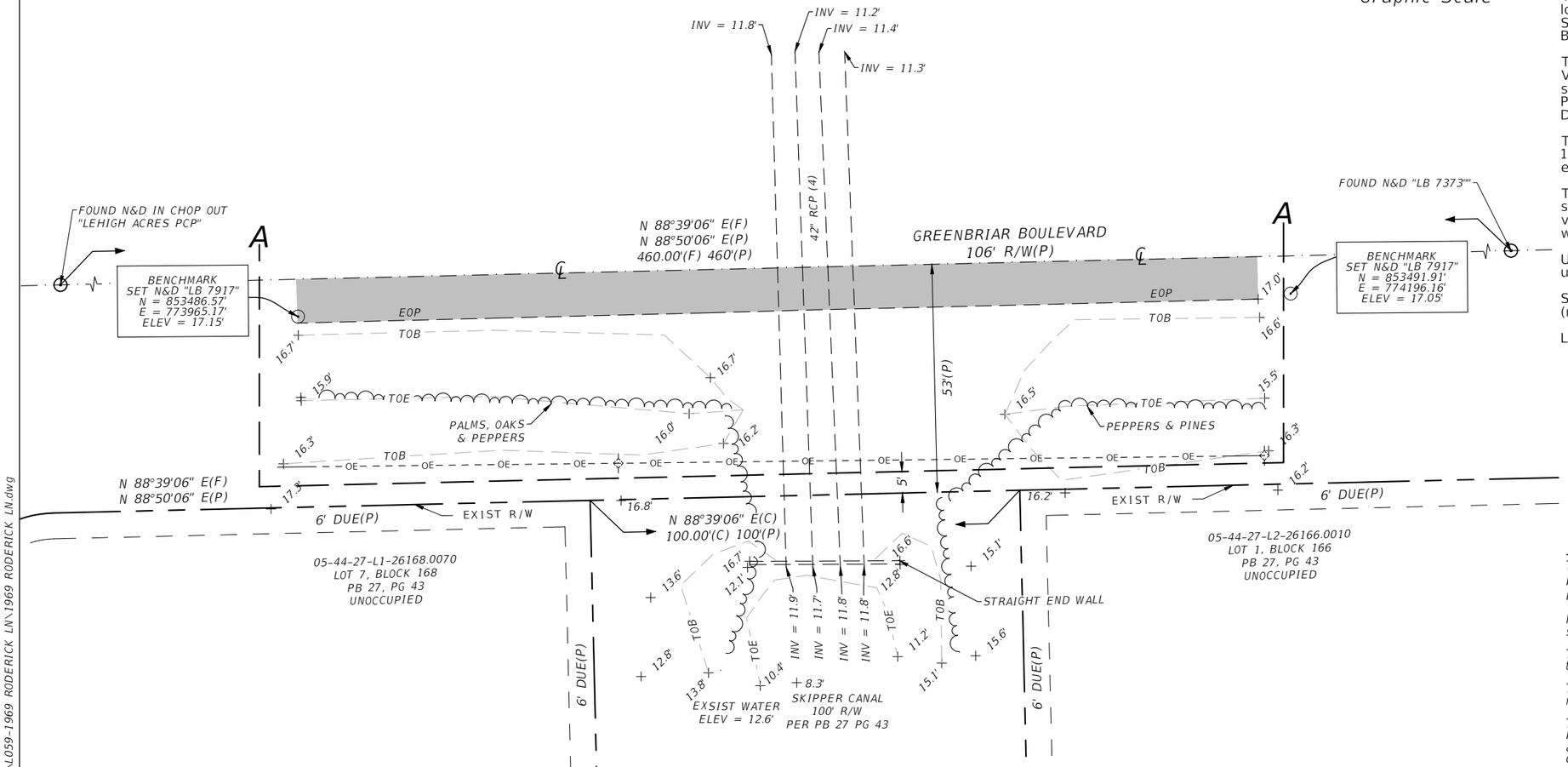
SEE SHEET 02 FOR 1" = 20'
SECTION A-A PROFILE VIEW

N

0 15' 30'

(1" = 30')

Graphic Scale



NOTES:

Survey based on the plat of southpart of Unit 26-Greenbriar, as recorded in Plat Book 27 Page 43, Public Records of Lee County, Florida and existing monumentation.

This survey prepared is a Topographic Survey for the purpose of locating the features within and adjacent to the Lehigh Acres Municipal Services Improvement District-managed facility South of Greenbriar Boulevard between Quintero Lane and Roderick Lane.

The elevations shown hereon are referenced to the North American Vertical Datum of 1988 (NAVD 1988). All elevations are reported in US survey feet and decimals thereof and are based upon the Florida Permanent Reference Network (FPRN) stations maintained by the Florida Department of Transportation.

The subject site lies within Zone "X" per FEMA insurance rate map 125124 0317F (Published 08/28/2008), therefore has no base flood elevation.

The FEMA flood zone information indicated hereon is based on the maps supplied by the Federal Government. This flood information must be verified with all permitting regulatory entities prior to commencing any work or application dependent on said flood information.

Underground improvements, utilities and/or foundations were not located unless otherwise noted. Wetlands, if any, were not located.

Subject to easements, restrictions, reservations, and rights-of-way (recorded and unrecorded, written and unwritten).

Last day of field work: 01/06/2026

TAYLOR J. HENNINGE
License Number 7279
STATE OF FLORIDA
Professional Surveyor and Mapper

TAYLOR J. HENNINGE
PROFESSIONAL SURVEYOR AND MAPPER
FLORIDA CERTIFICATE NO. LS# 7279

Not valid without the signature and the original seal of a Florida licensed surveyor and mapper.

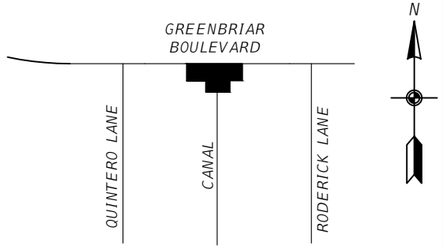
This survey is only for the lands as described. It is not a certificate of title, zoning, easements or freedom of encumbrances.

This survey was prepared without benefit of an abstract of title and all matters of title should be referred to an attorney at law.

This survey has been electronically signed and sealed by Taylor J. Henninge using a digital signature and date. Print copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Roderick Lane, Lehigh Acres

Location sketch
(Not to scale)



LEGEND:

(P)	= PER PLAT	N&D	= NAIL AND DISK
(F)	= FIELD MEASURED	NAVD 88	= NORTH AMERICAN VERTICAL DATUM 1988
CB	= CATCH BASIN	OR	= OFFICIAL RECORDS BOOK
Δ	= DELTA ANGLE	PB	= PLAT BOOK
℄	= CENTER LINE	PG	= PAGE
CONC	= CONCRETE	R/W	= RIGHT OF WAY
CMP	= CORRUGATED METAL PIPE	RCP	= REINFORCED CONCRETE PIPE
CPP	= CORRUGATED PLASTIC PIPE	RNG	= RANGE
DUE	= DRAINAGE AND UTILITY EASEMENT	S/W	= SIDEWALK
ELEV	= ELEVATION	SEC	= SECTION
EOP	= EDGE OF PAVEMENT	TOB	= TOP OF BANK
EXIST	= EXISTING	TOE	= TOE OF SLOPE
FIRC	= FOUND IRON ROD AND CAP	TWP	= TOWNSHIP
INST#	= INSTRUMENT NUMBER	(TYP)	= TYPICAL
INV	= INVERT ELEVATION		

⊙ = FOUND MONUMENT

---OE--- = OVERHEAD UTILITY LINE

+20.0' = SPOT ELEVATION

TOPOGRAPHIC SURVEY - PLAN VIEW

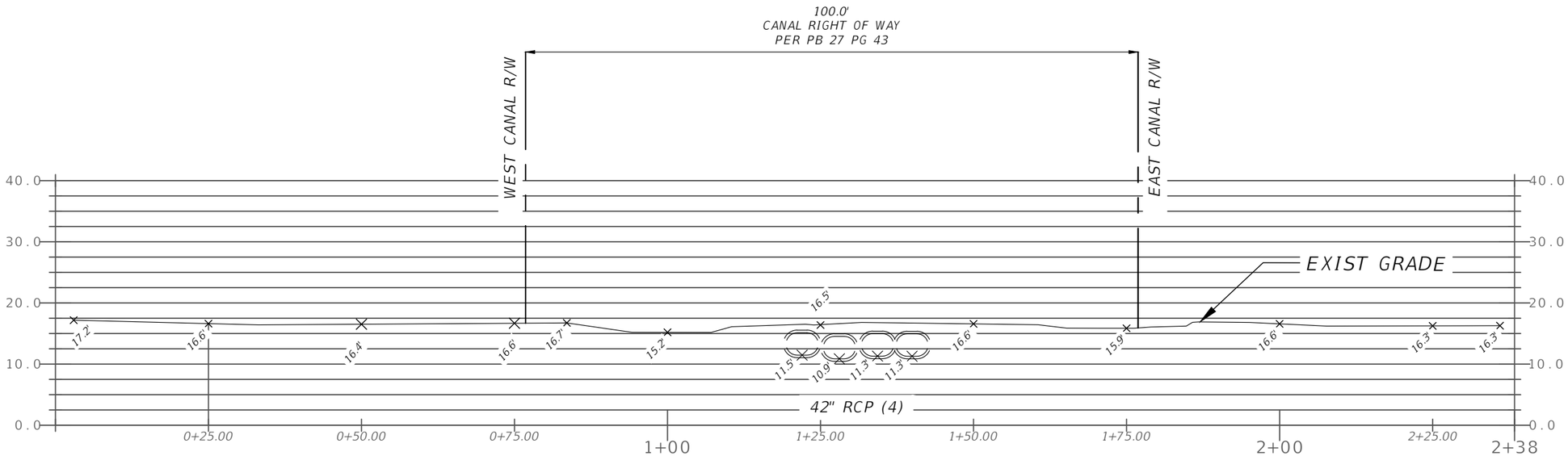
McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name:	Field book/page:	Project No.:
1969 RODERICK LN.dwg	106981-3/33	106980001-L059

Survey date:	Drawn by:	Checked by:	Sheet No.:
01/06/2026	JRB	TJH	01 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L059-1969 RODERICK LN\1969 RODERICK LN.dwg

Topographic Survey of a
Subject Project Site
Section 05, Township 44 South, Range 27 East
Lehigh Acres, Lee County, Florida



A-A Profile View
1" = 20' HORIZONTAL
1" = 20' VERTICAL

SEE SHEET 01 FOR LEGEND

Roderick Lane, Lehigh Acres

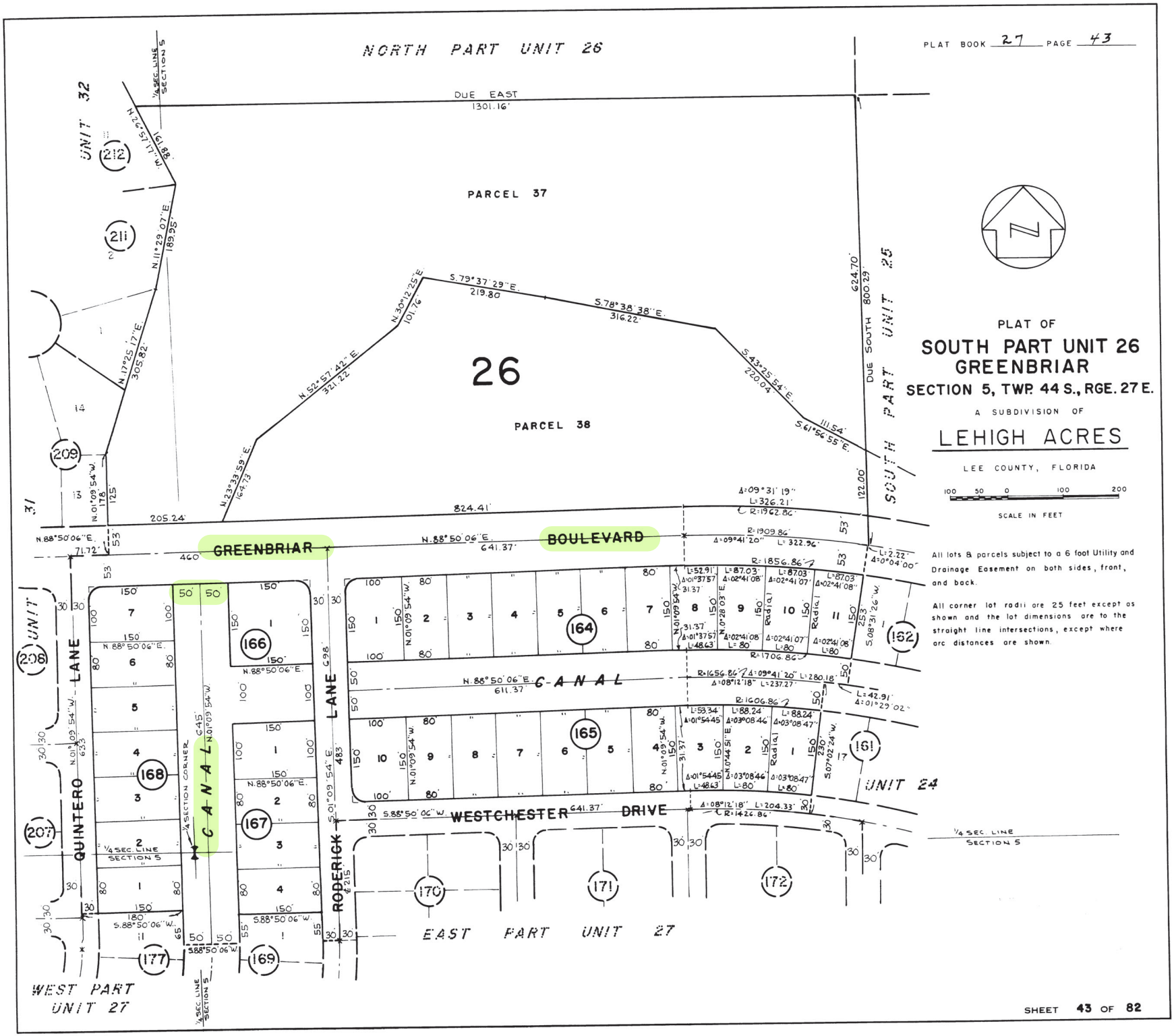
TOPOGRAPHIC SURVEY - PROFILE VIEW

McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name:	Field book/page:	Project No.:
1969 RODERICK LN.dwg	106981-3/33	106980001-L059

Survey date:	Drawn by:	Checked by:	Sheet No.:
01/06/2026	JRB	TJH	02 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L059-1969 RODERICK LN\1969 RODERICK LN.dwg



PLAT OF

SOUTH PART UNIT 26 GREENBRIAR

SECTION 5, TWP. 44 S., RGE. 27 E.

A SUBDIVISION OF

LEHIGH ACRES

LEE COUNTY, FLORIDA

All lots & parcels subject to a 6 foot Utility and Drainage Easement on both sides, front, and back.

All corner lot radii are 25 feet except as shown and the lot dimensions are to the straight line intersections, except where arc distances are shown.

PART IV #26-102

Recommended Action

Engineering Review:

By: _____6/17/2026 **Approved _X_ Denied __**

District Field Review:

By: _____ Approved ___ Denied ___

District Manager: _____ Date: _____

Comments:

The referenced permit application submitted by Lumos Fiber of Florida, LLC for a subaqueous crossing under Skipper Canal (47-5-7) at 1969 Roderick Ln., in Lehigh Acres, has been reviewed and is recommended for approval with the following stipulations:

1. On sheet 8 of the plans, the culvert crossing detail specifies 24" minimum offset from culvert, if the detail is depicting a canal crossing, the offset should be 120" or 10'. If not, please include a note to clarify that the details do not apply to LA-MSID canal crossing.

2. Permanent above-ground cable markers must be placed at the canal right-of-way (R/W) line on each side of the crossing.

3. Any disturbed canal R/W must be restored with sod and maintained until fully established. Seeding will not be permitted.

4. Within 30 days of completing the improvements, provide LA-MSID with a copy of the survey record drawings indicating the location and elevation of utilities within the canal R/W.

5. The permittee will be responsible for any necessary repairs, alterations, or relocation of the utility if required for future maintenance or repairs of the canal.

6. Lee County DOT must review and approve any utility work proposed within the County Road R/W.

LEHIGH ACRES - MUNICIPAL SERVICES IMPROVEMENT DISTRICT PERMIT

THIS PERMIT is granted this 20th day of July, 2026, by Lehigh Acres Municipal Services Improvement District (hereinafter referred to as "DISTRICT"), 601 East County Lane, Lehigh Acres, Florida 33936, to Lumos Fiber of Florida, LLC, 4100 Mendenhall Oaks Parkway, Suite 300, High Point, NC 27265, hereinafter referred to as the "Permittee") as a non-exclusive permit for a directional bore under Crescent Canal (47-6-2), along the east side of Wingford Dr., between Kleinart Dr. & Lombardy Ct., in Lehigh Acres, FL.

W I T N E S S E T H:

1. In the event the DISTRICT is not the fee title owner of the real property (the "Property") to which this Permit is applicable, the Permittee agrees, prior to commencement, to obtain all necessary consents from the fee title owners of the Property.

2. This Permit does not constitute a waiver of the necessity by the Permittee to obtain such other necessary and appropriate permits required by other governmental bodies or agencies; therefore the Permittee, prior to commencement, is required to obtain any and all other applicable federal, state, and local permits required in connection with Permittee's use of the Property and agrees that at all times it will comply with the requirements of all federal, state and local laws, ordinances, rules and regulations applicable or pertaining to the use of the Property by the Permittee.

3. Permittee understands and agrees that the use of the Property pursuant to this Permit is subordinate to the rights and interests of the DISTRICT and to the extent applicable that of the fee title owner of the Property. Further, Permittee does hereby stipulate that the Permittee is not relying upon any representations whatsoever by the DISTRICT regarding the DISTRICT'S right, title, interest, or ownership as to the Property for which this Permit is applicable.

4. The Permittee, by accepting this permit, specifically agrees to allow authorized District Personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:
    a. Having access to and copying any records that must be kept under the conditions of the permit:
    b. Reviewing the facility, equipment, practices, or operations regulated or required under this permit; and
    c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or District rules.

5. The DISTRICT specifically reserves the right to maintain its facilities located over, under or upon the Property; to make improvements; add additional facilities; maintain, construct or alter its roads; maintain any facilities, devices, or improvements on the Property which aid in or are necessary to the DISTRICT'S operation; and the right to enter upon the Property at all times for such purposes. Permittee understands that in the exercise of such rights and interest, the DISTRICT may require Permittee, at no cost to DISTRICT, to relocate, alter, or remove the Permittee's facilities and equipment or other improvements made by Permittee pursuant to this Permit which interfere with or prevent the DISTRICT, in the DISTRICT'S opinion, from properly and faithfully constructing, improving and maintaining its facilities. If the Permittee should fail to relocate, alter, or remove the Permittee's facilities, equipment or other improvements made by the Permittee pursuant to this Permit within a reasonable time period following receipt of notice from the DISTRICT requesting same, then in that event the DISTRICT shall have the right to enter upon the lands and make such relocation, alterations or removal of the Permittee's facilities, equipment/or other improvements at no cost to DISTRICT.

6. Permittee agrees that it will not use the Property in any manner which interferes with the DISTRICT'S

use of the Property or causes a hazardous condition to exist.

7. The DISTRICT assumes no responsibility for the ownership, operation and/or maintenance of the Permittee's facilities as permitted herein.

8. The Permittee agrees to backfill any excavation it makes within the Property and to repair or replace (i) any below-grade authorized facilities and features located therein, including but not limited to: water, sewer, stormwater or irrigation facilities, structures or appurtenances and (ii) as to at or above-grade facilities and features, this requirement shall only be applicable to grasses and sod, sidewalks, and roadway improvements (the term roadway improvements shall include but not be limited to curbing, roadway base, sub grade and asphaltic or concrete surfaces) which are removed or damaged as a direct result of said excavation. Such repair or replacement shall substantially restore these features to their condition as it existed immediately prior to the event precipitating the excavation.

9. All below-grade Permittee installations, including water and sewer lines, whether sub aqueous or not, together with appurtenant facilities, shall be located underground and have a minimum ground cover of thirty inches (30") below original design profile grade, including District waterways and roadways.

10. All Permittee activity related to sub aqueous utility, water and/or sewer lines, including appurtenant facilities, shall be conducted in such fashion that the primary functional purpose of the canal or lake body facility, specifically flood control, within which the activity is taking place is not adversely affected. More specifically, sub aqueous construction shall conform to the criteria given in the Lehigh Acres Municipal Services Improvement District (Lehigh Acres – MSID) Administrative Policy and Procedures.

11. Permittee shall, at no expense to DISTRICT and within a reasonable time following notice, adjust the positions and elevations of its facilities as may be required in connection with future improvements to, or construction of, works of the DISTRICT.

12. Permittee does hereby indemnify and hold harmless the DISTRICT, its Board of Commissioners, officers, personnel, and it's Engineers against any claims, losses, damages (including consequential), expenses, or legal fees that might arise out or result from the implementation of the proposed project by the Permittee or that may be caused by a failure of DISTRICT facilities or property.

13. The Permittee shall be obligated at the time of submission of its Permit application, to provide a detail of any other existing improvements located over, under, upon or through the Property and the Permittee's accompanying plans and specifications shall clearly indicate how the Permittee will comply with required clearances between the requested permitted activity and existing improvements located over, under and upon the Property, including compliance with other permitted users duly adopted and published standards.

14. Permittee shall reimburse the DISTRICT for its legal, engineering and other expenses incurred as a result of the implementation of the proposed project.

15. If Permittee should violate any of the terms or conditions of the Permit and shall not correct or remedy same within ten (10) days of receiving written notice of said violation from the DISTRICT, then in that event, the DISTRICT may, at its option, revoke, cancel and terminate this Permit.

16. This Permit may not be assigned by the Permittee without the prior written approval of the DISTRICT.

17. Unless otherwise adjusted, modified or terminated as set forth hereinabove, including the Conditions attached hereto, this Permit shall continue in full force and effect so long as Permittee complies with the

terms of this Permit.

18. In any litigation, including breach, enforcement or interpretation arising out of this Permit, the prevailing party to this Permit shall be entitled to recover reasonable attorney's fees, costs and expenses related to said action from the non-prevailing party.

19. That attached hereto are Supplemental Conditions to this Permit which are incorporated herein and made a part hereof.

LEHIGH ACRES – MUNICIPAL SERVICES IMPROVEMENT DISTRICT

BY: _____

NAME TYPED: David E. Lindsay

TITLE: District Manager

SUPPLEMENTAL CONDITIONS TO PERMIT NO. 26-103

A. GENERAL CONDITIONS

1. Notification shall be given by the Permittee to the District Engineer, AIM Engineering, at 239-332-4569 forty-eight (48) hours prior to commencement of the permitted activity. The District Engineer shall establish points of construction, if applicable, which will require inspection by the District Engineer prior to construction of the permitted activity. When the Permittee considers the permitted activity complete, the Permittee shall notify the District Engineer and schedule an on-site final inspection which shall be held in the presence of a representative of the Permittee and the District Engineer.

2. The permitted activity shall be implemented, constructed and/or installed in full accordance with the approved plans and specifications within six (6) full calendar years from the date of permit approval. Deviations from the approved plans or specifications shall be coordinated with and approved by the District Engineer prior to implementation of any such deviation.

3. When working in a District road right-of-way, not more than one-half (½) of the road or street shall be closed and traffic shall be controlled so as to provide for the safety and minimum hindrance to the public. All traffic control operations shall conform to the most current issue of the Florida Department of Transportation publication "Manual on Traffic Controls and safe Practices for Street and Highway Construction, Maintenance and Utility Operations."

4. The District Engineer shall be the final authority as to the quality and quantity of the material and works required to satisfy the terms and conditions of this Permit as they relate to District improvements and facilities.

5. Upon completion of the permitted activity and after its final review and acceptance by the District Engineer THE PERMITTEE SHALL DELIVER TO THE DISTRICT OFFICE ONE COMPLETE SET OF THE FINAL "RECORD DRAWINGS." FAILURE TO PROVIDE THE FINAL RECORD DRAWINGS MAY RESULT IN THE REVOCATION, CANCELLATION AND TERMINATION OF THIS PERMIT.

6. The above Conditions shall be continuing obligations of the Permittee and shall be complied with in the event of any subsequent maintenance, repair, replacement or modification of the permitted improvement.

Stipulations:

1). Permit #26-103 is approved according to the plans submitted May 28th, 2026.

2). The proposed directional bore must maintain a minimum clearance of 10 feet below the bottom elevation of the canal for the entire 150' within the canal right of way.

3). Permanent utility markers, (at least 4' high) with the utility companies contact information clearly labeled on it, must be installed at each canal right of way line over top the proposed line.

4). All guy wires, poles, pull boxes, etc. must be located outside of the canal right of way and not interfere with the District's canal maintenance activities.

5). All canal R/W that is disturbed must be restored with sod and maintained until well established (no seeding will be allowed).

6). Boring contractor is not allowed to pump water out of the LAMSID canals for their boring operations unless they apply for and receive a water use permit from LAMSID.

7). The Permittee will be responsible for any repairs, alterations, or relocation of the utility if required for repairs or maintenance of the canal in the future.

8). Provide LAMSID with a copy of your record drawings and a copy of your bore depth logs showing where your utilities are located within the canal R/W and at what elevation they are located, within 30 days following completion of the improvements.

9). Lee County DOT must review and approve the utility work that is outside of the canal right of way along Wingford Dr.

PART I

DATE SUBMITTED: 05 - 28 - 26

PERMIT #: 26 - 103

APPLICATION FOR A PERMIT

*Note: The review of permit applications will be conducted per the Lehigh Acres Municipal Services Improvement District's Administrative Policy and Procedures

AGENT NAME: TEP-OPCO, LLC **PHONE #:** (502) -

PROJECT NAME: U38575 - CRESENT CANAL - 646 LOMBARDY CT-LA-MSID-1

TOTAL ACREAGE: N/A

Property Address (STRAP associated with this address will be used as the primary STRAP for this project): 1942 RICHLAND AVE					
Mailing Address:					
City:	LEHIGH ACRES	**State:**	FL	**Zip:**	33972

STRAP NUMBERS (*attach additional sheet if necessary*):

0	5	-	4	4	-	2	7	-	L	4	-	3	0	2	0	2	-	0	1	4	0
		-			-			-			-						-				
		-			-			-			-						-				
		-			-			-			-						-				
		-			-			-			-						-				

Brief description of proposed project:

Wrong Location

Application for:

Directional bore placing 150' of (2) 1.25" HDPE SDR 11 Conduit Equipped with (1) 288-CT Microfiber Optic cable under Cresent Canal along the South side of Redmont Ave between Quintero Ln ~~and Richland Ave~~ East Wingford Dr. Kleinart Dr. ~~Lombardy Ct.~~

Is the project proposed to be developed in phases? ☐ Yes ☑ No

Estimated # of Phases:	1
***Permit Fee:**	$ 3,000.00 (to be verified by staff)

* See Administrative Policy and Procedures Sections 4.15 – 4.17 for current Permit Fee Amount.

RECEIVED
MAY 28 2026
LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

PART II

OWNER/APPLICANT/ DEVELOPER INFORMATION

A.

Name of Applicant	Lumos Fiber of Florida, LLC						
Mailing Address:	**Street:**	4100 Mendenhall Oaks Parkway, Suite 300					
City:	High Point	**State:**	NC		**Zip:**	27265	
Phone No.	**Area Code:**	515	**Number:**	306-3403	**Ext.**		
Fax No.	**Area Code:**		**Number:**	-			
E-mail Address:	william.kiefer@lumosfiber.com						

B. Relationship of applicant to property*:

☐ **Owner*** ☐ **Trustee*** ☐ **Option holder*** ☐ **Lessee***

☐ **Contract Purchaser*** ☑ **Other (indicate)*** Utility

C.

Name of Developer:						
Mailing Address:	**Street:**					
City:		**State:**			**Zip:**	
Phone No.	**Area Code:**	( )	**Number:**	-	**Ext.**	
Fax No.	**Area Code:**	( )	**Number:**	-		
E-mail Address:						

D.

Name of Authorized Agent(s):	TEP OPCO, LLC.					
Mailing Address:	**Street:**	5906-A Breckenridge Pkwy				
City:	Tampa	**State:**	FL		**Zip:**	33610
Phone No.	**Area Code:**	(502)	**Number:**	552-2733	**Ext.**	
Fax No.	**Area Code:**	( )	**Number:**	-		
E-mail Address:	FL-permitting@tepgroup.net					

E.

Name of Property Owner:						
Mailing Address:	**Street:**					
City:		**State:**			**Zip:**	
Phone No.	**Area Code:**	( )	**Number:**	-	**Ext.**	
Fax No.	**Area Code:**	( )	**Number:**	-		
E-mail Address:						

*A disclosure of the name of all persons or entities having an ownership interest in the property is required (attached).

PART III

DISCLOSURE OF OWNERSHIP INTEREST FORM FORM:

PRIMARY STRAP NUMBER: | | | - | | | - | | | - | | | - | | | | | - | | | | |

1. If the property is owned in the fee simple by an **INDIVIDUAL**, tenancy by the entirety, tenancy in common, or joint tenancy, list all parties with an ownership interest as well as the percentage of such interest.

Name and Address	Percentage of Ownership
N/A	

2. If the property is owned by a **CORPORATION**, list the officers and stockholders and the percentage of stock owned by each.

Name, Address, Office	Percentage of Stock
N/A	

3. If the property is in the name of a **TRUSTEE**, list the beneficiaries of the trust with percentages of interest.

Name and Address	Percentage of Interest
N/A	

4. If the property is in the name of a **GENERAL PARTNERSHIP OR LIMITED PARTNERSHIP**, list the names of general and limited partners.

Name and Address	Percentage of Interest
N/A	

5. If there is a **CONTACT FOR PURCHASE**, whether contingent on this application Or not, and whether a Corporation, Trustee, or Partnership, list the names of the contract purchasers below, including the officers, stockholders, beneficiaries, or partners.

Name and Address	Percentage of Interest
N/A	

Date of Contract (mm/dd/yy): / /

6. If any contingency clause or contract terms involve additional parties, list all individuals or officers, if a corporation, partnership, or trust.

Name and Address	Percentage of Interest
N/A	

For any changes of ownership of changes in contracts for purchase subsequent to the date of the application, but prior to the date of final certificate for compliance, a supplemental disclosure of interest must be filed.

The above is a full disclosure of all parties of interest in this application, to the best of my knowledge and belief.

William Kiefer
SIGNATURE OF APPLICANT

William Kiefer
PRINTED OR TYPED NAME OF APPLICANT

STATE OF FLORIDA
COUNTY OF LEE

The foregoing instrument was acknowledged before me this 20 day of MAY (m), 2026 (y), by WILLIAM KIEFER who is personally know to me or has produced _____ as identification.

NOTARY PUBLIC STATE OF FLORIDA
MCKAYLA MARIE MCFADDEN
MY COMMISSION # HH 624042
EXPIRES: December 26, 2028

SIGNATURE OF NOTARY PUBLIC

MCKAYLA MCFADDEN
PRINTED NAME OF NOTARY PUBLIC

PART IV

EXPLANATION

All Permit Application sections must be completed and submitted.

Permit Application fees and submittal items (see Part VI) must be submitted with the application.

Any and all work involving the lands and/or facilities of the District shall not commence without a Board approved permit.

All set policies, procedures, technical requirements, and fee schedules can be found and reviewed in the 'Administrative Policy and Procedures Guide'. The Guide is available at the District Office located at 601 East County Lane, Lehigh Acres, FL or online at la-msid.com/.

PART V

PROFESSIONAL CONSULTANT FORM

ATTORNEY

Name:							
Mailing Address:							
City:		**State:**				**Zip:**	
Business No.	**Area Code:**	( )	**Number:**	-		**Ext.**	
Other Contact:							

ENGINEER

Name:	TEP-OPCO, LLC JOSH CARDEN						
Mailing Address:	326 Tyron Road						
City:	Raleigh	**State:** NC				**Zip:**	27603
Business No.	**Area Code:**	(336)	**Number:**	214 -2099		**Ext.**	
Other Contact:							

OTHER REPRESENTATIVE/PROFESSIONAL

Name:	McKim & Creed						
Mailing Address:	5701 Division Drive, Suite A						
City:	Fort Myers	**State:**	FL			**Zip:**	33905
Business No.	**Area Code:**	(239)	**Number:**	275 - 8875		**Ext.**	
Other Contact:							

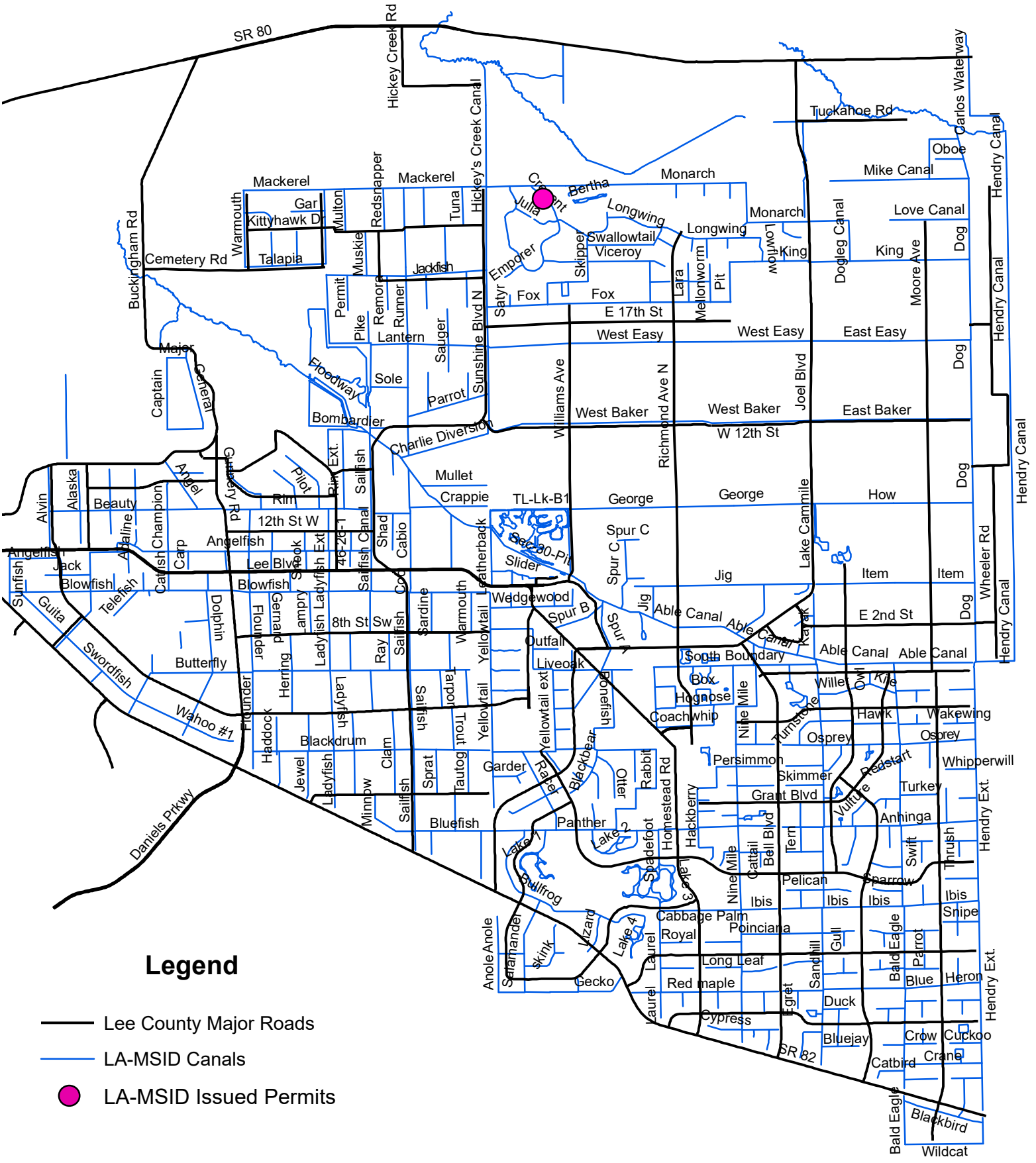
PART VI

SUBMITTALS

NO. OF COPIES SUB'D	NO. OF COPIES REQ'D	SUBMITTAL DOCUMENT
		ITEMS REQUIRED FOR INITIAL SUBMITTAL
2	2	**Construction/Development Plans** signed and sealed by a Licensed Florida Professional Engineer including: 1. Location map showing the location of the proposed project in relation to adjacent streets and LA-MSID facilities. 2. Details of proposed works that fully communicate the work and/or use desired (i.e. Existing Conditions Survey, Proposed Site Plan, Paving Grading & Drainage Plan, Cross Sections, Element Details, and Erosion Control Plan sheets). 3. Sufficient survey data to determine elevations, property and ROW lines, limits of existing and proposed conditions, and notation of utilized vertical datum (NAVD/NGVD).
N/A	2	**Stormwater Drainage Calculations** signed and sealed by a Licensed Florida Professional Engineer including, but not limited to, computer stormwater routing modeling data (ICPR4, Cascade, etc.) to verify compliance with the Design Criteria (input summary data below): **Water Quality Volume (Required):** _____(ACRE-FT) **Water Quality Volume (Provided):** _____(ACRE-FT) **Control Elevation:** _____(FT-NGVD) **Minimum Road/Parking Elevation:** _____(FT-NGVD) *(above the 10-year, 1-day design storm peak stage elevation)* **Minimum Perimeter Berm Elevation:** _____(FT-NGVD) *(above the 25-year, 3-day design storm peak stage elevation)* **Minimum Finished Floor Elevation:** _____(FT-NGVD) *(above the 100-year, 3-day design storm peak stage elevation and previously experienced high-water levels external to project)*
2	2	**Flash Drive / CD** containing plans in both AutoCAD (.dwg file drawn in "State Plane Coordinates") and PDF formats.
2	2	**Permit Application** (PARTS I & II)
2	2	**Disclosure of Owner Form (signed and notarized)** (PART III)
2	2	**Professional Consultant Form & Submittals** (PARTS V & VI)
N/A	2	**Copy of Approved FDEP Notice of Intent (NOI)** for all sites one (1) acre and greater in size.
N/A	2	**Copy of approved SWFMD permit**, for all sites required to get a permit, **or FDEP "10/2 Self-Certification"** approval.
*	1	**Check for appropriate Permit Fees** made out to LA-MSID.

From Deposit

Permit # 2026-103

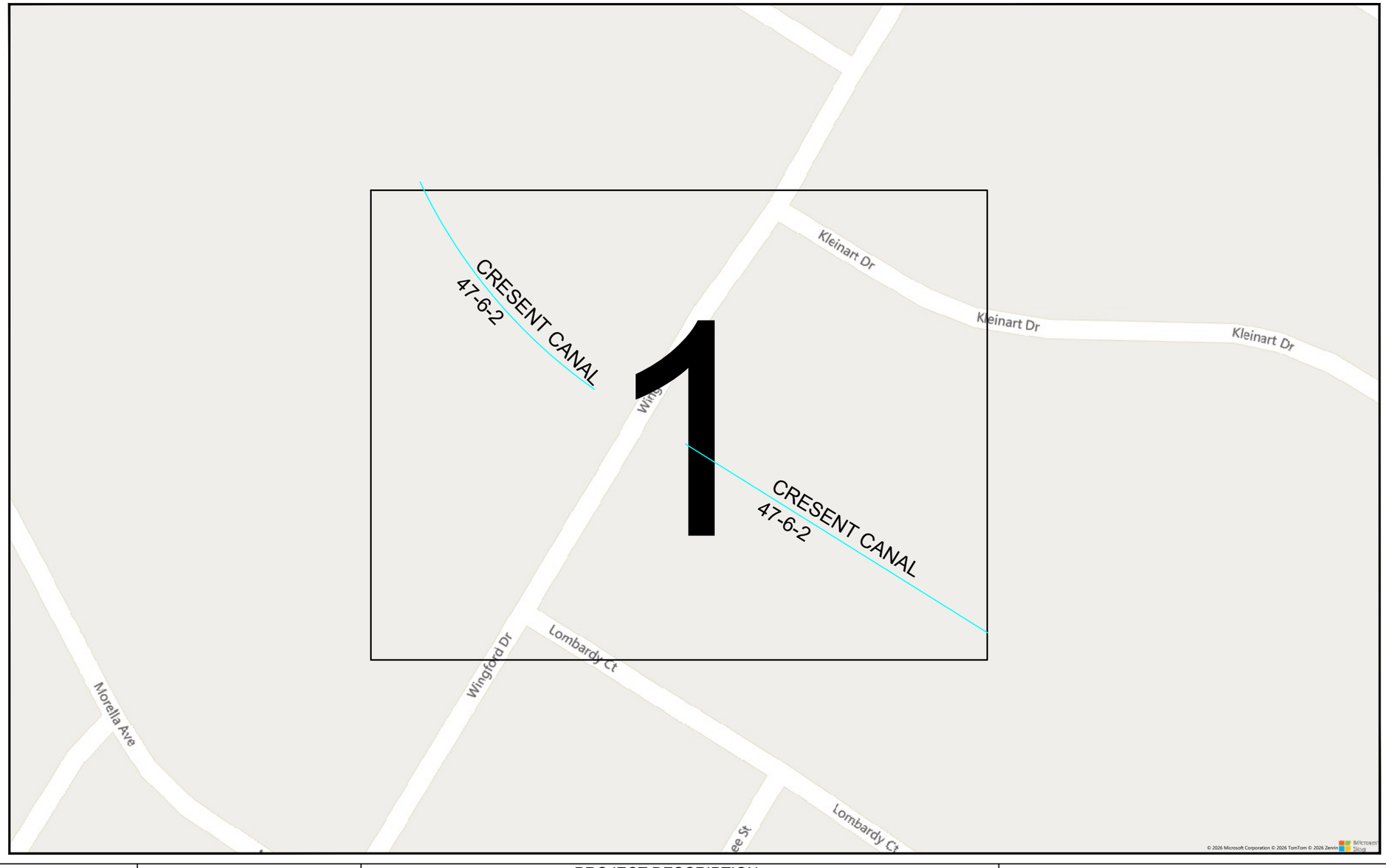


Legend

- Lee County Major Roads
- LA-MSID Canals
- LA-MSID Issued Permits

U38575 - CRESENT CANAL - 646 LOMBARDY CT-LA-MSID-1

1942 RICHLAND AVE, LEHIGH ACRES, FL 33972 (26.683852, -81.651704)



Know what's below
Call before you dig.

N

PERMIT #:

PROJECT DESCRIPTION

- BURIED PLACEMENT OF 423' OF (2) 1.25" HDPE SDR 11 CONDUIT EQUIPPED WITH (1) 288-CT MICROFIBER OPTIC CABLE. (2) PROPOSED HANDHOLES.
- PIPE TO BE INSTALLED BY MEANS OF HORIZONTAL DIRECTIONAL DRILLING AND HAND DIGGING METHODS.
- ALL AREAS DISTURBED BY INSTALLATION TO BE RESTORED TO EXISTING OR BETTER CONDITION.

SHEET INDEX

A - COVER SHEET
B - SOW & CONTACTS
C - LEGEND
D1-D2 - GENERAL NOTES
E - CONSTRUCTION NOTES
F-H - TYPICALS
1- 1 - PROJECT SHEETS
1A - PROFILE VIEW
I1 - I2 - IMAGES

lumos

TEP

5906 BRECKENRIDGE PKWY, SUITE A
TAMPA, FL 33610

TEP IS A FAMILY OF COMPANIES LICENSED TO PROVIDE DIFFERENT SERVICES IN DIFFERENT JURISDICTIONS. DEPENDING ON THE JURISDICTION, PROFESSIONAL ENGINEERING AND LAND SURVEYING SERVICES ARE PROVIDED BY TEP OPCO LLC, A DELAWARE LIMITED LIABILITY COMPANY, TEP ENGINEERING, PLLC, A NORTH CAROLINA PROFESSIONAL LIMITED LIABILITY COMPANY, OR M&H ENGINEERING, PLLC, A NEW YORK PROFESSIONAL LIMITED LIABILITY COMPANY. GENERAL CONTRACTOR SERVICES ARE PROVIDED BY TEPDB OPCO LLC, A DELAWARE LIMITED LIABILITY COMPANY. WE ACQUIRE THE REQUISITE LICENSES IN EACH STATE. ADDITIONAL INFORMATION CAN BE OBTAINED FROM THE COMPANY. THESE DRAWINGS ARE INTENDED TO DEPICT FIBER OPTIC CABLES, CONDUITS, AND RELATED INFRASTRUCTURE WITHIN THE PUBLIC RIGHT-OF-WAY (R/W) OR AREAS WITH VALID, RECORDED EASEMENTS OR LEASES, HOWEVER R/W LOCATIONS ARE BASED SOLELY ON GEOGRAPHIC INFORMATION SYSTEMS (GIS) DATA FROM THE LOCAL JURISDICTION. SURVEYS TO VERIFY R/W OR PROPERTY BOUNDARIES WERE NOT PERFORMED. WHERE INSTALLATION ROUTES EXTEND BEYOND THE R/W, THE UTILITY OWNER/OPERATOR IS SOLELY RESPONSIBLE FOR SECURING AND PROVIDING ALL NECESSARY EASEMENTS, LEASES, OR PROPERTY RIGHTS PRIOR TO CONSTRUCTION. CONTRACTORS SHALL RELY ON THE UTILITY OWNER/OPERATOR'S DOCUMENTATION AND ARE RESPONSIBLE FOR ENSURING THAT CONSTRUCTION OCCURS ONLY WITHIN AUTHORIZED AREAS. TEP, THE ENGINEER, DESIGNER, AND CREATOR OF THESE DRAWINGS ASSUME NO RESPONSIBILITY OR LIABILITY FOR UNAUTHORIZED PLACEMENT OF UTILITIES OUTSIDE THE PUBLIC R/W OR ON PRIVATE PROPERTY WITHOUT PROPER LEGAL AUTHORIZATION. ALL INSTALLATIONS MUST COMPLY WITH APPLICABLE LAWS AND REGULATIONS.

TEP OPCO, LLC
5906-A Breckenridge Pkwy, Tampa, FL 33610
FL COA# 31011
Shaine Herrick - Project Manager
sherrick@tepgroup.net

LUMOS
William Kiefer - OSP Project Engineer
william.kiefer@lumosfiber.com
Phone: (515) 306-3403

Jason Bush
jason.bush@lumosfiber.com
Phone: (850) 428-1313

REV	DESCRIPTION	INITIALS	DATE
0	ORIGINAL	DC	05/12/2026

TEP OPCO, LLC FL COA# 31011

JOSHUA H. CARDEN LICENSE No 83511 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 12th, 2026

This item has been digitally signed and sealed by JOSHUA H. CARDEN on the date adjacent to the seal.

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

SHEET TITLE:
COVER PAGE

PROJECT MANAGER:	SHAINE HERRICK
PROJECT ENGINEER:	DARIA COSTIN
PROJECT NUMBER:	U38575
DESCRIPTION:	646 LOMBARDY CT
DRAWING NAME:	U38575 - CRESENT CANAL - 646 LOMBARDY CT-LA-MSID-1
SHEET:	A of 1

CONFIDENTIAL/PROPRIETARY

SCOPE OF WORK

- BURIED PLACEMENT OF 423' OF (2) 1.25" HDPE SDR 11 CONDUIT EQUIPPED WITH (1) 288-CT MICROFIBER OPTIC CABLE. (2) PROPOSED HANDHOLES.
- PIPE TO BE INSTALLED BY MEANS OF HORIZONTAL DIRECTIONAL DRILLING AND HAND DIGGING METHODS.
- ALL AREAS DISTURBED BY INSTALLATION TO BE RESTORED TO EXISTING OR BETTER CONDITION.

UTILITY OWNER CONTACTS

LUMOS
William Kiefer - OSP Project Engineer
william.kiefer@lumosfiber.com
Phone: (515) 306-3403

Jason Bush
jason.bush@lumosfiber.com
Phone: (850) 428-1313

ENGINEERING COMPANY

TEP OPCO, LLC
5906 BRECKENRIDGE PKWY, SUITE A
TAMPA, FL 33610

DIRECTOR - OSP OPERATIONS:
ALEX MORA
OFFICE : 704-751-1123
AMORA@TEPGROUP.NET

PROJECT MANAGER:
SHAINE HERRICK
SHERRICK@TEPGROUP.NET

UTILITIES CONTACTS

CENTURYLINK
BILL MCCLOUD
(850) 815-3144

COMCAST
CHAD EVENER
(941) 356-1564

FLORIDA POWER & LIGHT--LEE
FPL CABLE LOCATIONS-DISTRIBUTION SDD/MPE - EDGAR.AGUILAR@FPL.COM, JAMIE.PURNELL@FPL.COM

LUMOS FIBER OF FLORIDA, LLC
JASON BUSH
(850) 428-1313
JASON.BUSH@LUMOSFIBER.COM

FLORIDA GOVERNMENTAL UTILITIES AUTHORITY - LEHIGH
POTABLE WATER/SANITARY SEWER
LINA MARIA QUINTERO, PE
(727) 858-2396

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT
MICHAEL COOK
(239) 368-0044 Ext. 16
MCOOK@LA-MSID.COM
STORM WATER/CANALS

LEE COUNTY DEPARTMENT OF TRANSPORTATION (DOT)
COMMERCIAL RIGHT OF WAY USE PERMIT
(239) 533-8580
ROADS

FDOT
DISTRICT 1 - COUNTIES: CHARLOTTE, COLLIER, DESOTO, GLADES, HARDEE, HENDRY, HIGHLANDS, LEE, MANATEE, OKEECHOBEE, POLK, SARASOTA
801 N. BROADWAY AVENUE
BARTOW, FLORIDA 33830
PHONE: (800) 292-3368
PHONE: (239) 225-1900

lumos

TEP

5906 BRECKENRIDGE PKWY, SUITE A
TAMPA, FL 33610

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TEP OPCO, LLC — FL COA# 31011

JOSHUA H. CARDEN LICENSE No 83511 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 12th, 2026

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SHEET TITLE: SOW & CONTACTS

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PROJECT ENGINEER:	DARIA COSTIN
PROJECT NUMBER:	U38575
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DRAWING NAME:	U38575 - CRESENT CANAL - 646 LOMBARDY CT-LA-MSID-1
SHEET:	B of 1

CONFIDENTIAL/PROPRIETARY

LEGEND

LINETYPES

- UG FIBER – EXISTING
- UG FIBER – PROPOSED
- AERIAL FIBER – EXISTING
- AERIAL FIBER – PROPOSED
- COMMUNICATION (COM)
- RECLAIM WATER (RCW)
- DITCH
- GUARDRAIL
- ROAD CENTERLINE
- EASEMENT (ESMT)
- GAS (G)
- WATER (W)
- TELEPHONE (T)
- ELECTRIC (E)
- SANITARY SEWER (SEW)
- STORM DRAIN (SD)
- FENCE (X)
- CABLE TV (TV)
- STEAM (STM)
- OIL (OIL)
- UNKNOWN UTILITY (UNK)
- RIGHT OF WAY (R/W)
- EDGE OF PAVEMENT (EOP)
- SIDEWALK (S/W)

SYMBOL / DESCRIPTION

SYMBOL	DESCRIPTION
BP	BORE PIT
EOP	EDGE OF PAVEMENT
EOTW	EDGE OF TRAVEL WAY
FOC	FIBER OPTIC CABLE
HDPE	HIGH DENSITY POLYETHYLENE
HH	HANDHOLE
JB	JUNCTION BOX
MH	MANHOLE
MP	MILE POST
O/S	OFFSET
PVC	POLY VINYL CHLORIDE
RGS	RIGID GALVANIZED STEEL CONDUIT
ROW	RIGHT OF WAY
S/W	SIDEWALK
STA.	STATION

- CB — CABINET
- P — PEDESTAL
- E — ELECTRIC
- EM — ELECTRIC METER
- MH — MANHOLE
- R — RISER
- T — TELEPHONE
- P — POWER VAULT
- CATCH BASIN/INLET
- FIRE HYDRANT
- GROUND/BOND
- STREET LIGHT
- TREE
- CULVERT
- WING WALL
- BRIDGE
- U — MISC. UTILITY
- UTILITY POLE – EXISTING
- OWNER ID — POLE – PROPOSED
- HH — HANDHOLE – EXISTING
- HH — HANDHOLE – PROPOSED
- PD — PEDESTAL – PROPOSED
- MKR — PROMARK DOME MARKER POST
- BORE PIT – PROPOSED

- 0' — AERIAL STORAGE – EXISTING
- 0' — AERIAL STORAGE – PROPOSED
- 0' — VAULT/BUILDING STORAGE – EXISTING
- 0' — VAULT/BUILDING STORAGE – PROPOSED
- POLE ANCHOR/DOWN GUY – EXISTING
- POLE ANCHOR/DOWN GUY – PROPOSED
- PROPOSED DOWN GUY ON EXISTING ANCHOR
- FDP / NAME / SIZE / LOCATION — TERMINATION – EXISTING
- FDP / NAME / SIZE / LOCATION — TERMINATION – PROPOSED
- BUILDING / NAME / STREET — BUILDING CALLOUT – PROPOSED
- MANUFACTURER NAME — SPLICE POINT – EXISTING
- MANUFACTURER NAME — SPLICE POINT – PROPOSED

#F	IN:	0
	OUT:	0

SEQUENTIAL CALLOUT

#F	IN:	0
	TAIL:	0

SEQUENTIAL IN TAIL CALLOUT

#F	TAIL:	0
	OUT:	0

SEQUENTIAL TAIL OUT CALLOUT

POLE NO	N/A
UTILITY1	0'–0"

POLE ATTACHMENT CALLOUT – EXISTING
USE DYNAMIC PULL DOWN TO SELECT
FROM 1 TO 6 ATTACHMENTS

POLE NO	N/A
UTILITY1	0'–0"

POLE ATTACHMENT CALLOUT – PROPOSED
USE DYNAMIC PULL DOWN TO SELECT
FROM 1 TO 6 ATTACHMENTS

lumos

TEP

5906 BRECKENRIDGE PKWY, SUITE A
TAMPA, FL 33610

TEP IS A FAMILY OF COMPANIES LICENSED TO PROVIDE DIFFERENT SERVICES IN DIFFERENT JURISDICTIONS. DEPENDING ON THE JURISDICTION, PROFESSIONAL ENGINEERING AND LAND SURVEYING SERVICES ARE PROVIDED BY TEP OPCO LLC, A DELAWARE LIMITED LIABILITY COMPANY, TEP ENGINEERING, PLLC, A NORTH CAROLINA PROFESSIONAL LIMITED LIABILITY COMPANY, OR M&H ENGINEERING, PLLC, A NEW YORK PROFESSIONAL LIMITED LIABILITY COMPANY. GENERAL CONTRACTOR SERVICES ARE PROVIDED BY TEPDB OPCO LLC, A DELAWARE LIMITED LIABILITY COMPANY. WE ACQUIRE THE REQUISITE LICENSES IN EACH STATE. ADDITIONAL INFORMATION CAN BE OBTAINED FROM THE COMPANY. THESE DRAWINGS ARE INTENDED TO DEPICT FIBER OPTIC CABLES, CONDUITS, AND RELATED INFRASTRUCTURE WITHIN THE PUBLIC RIGHT-OF-WAY (R/W) OR AREAS WITH VALID, RECORDED EASEMENTS OR LEASES, HOWEVER R/W LOCATIONS ARE BASED SOLELY ON GEOGRAPHIC INFORMATION SYSTEMS (GIS) DATA FROM THE LOCAL JURISDICTION. SURVEYS TO VERIFY R/W OR PROPERTY BOUNDARIES WERE NOT PERFORMED. WHERE INSTALLATION ROUTES EXTEND BEYOND THE R/W, THE UTILITY OWNER/OPERATOR IS SOLELY RESPONSIBLE FOR SECURING AND PROVIDING ALL NECESSARY EASEMENTS, LEASES, OR PROPERTY RIGHTS PRIOR TO CONSTRUCTION. CONTRACTORS SHALL RELY ON THE UTILITY OWNER/OPERATOR'S DOCUMENTATION AND ARE RESPONSIBLE FOR ENSURING THAT CONSTRUCTION OCCURS ONLY WITHIN AUTHORIZED AREAS. TEP, THE ENGINEER, DESIGNER, AND CREATOR OF THESE DRAWINGS ASSUME NO RESPONSIBILITY OR LIABILITY FOR UNAUTHORIZED PLACEMENT OF UTILITIES OUTSIDE THE PUBLIC R/W OR ON PRIVATE PROPERTY WITHOUT PROPER LEGAL AUTHORIZATION. ALL INSTALLATIONS MUST COMPLY WITH APPLICABLE LAWS AND REGULATIONS.

REV	DESCRIPTION	INITIALS	DATE
0	ORIGINAL	DC	05/12/2026

TEP OPCO, LLC — FL COA# 31011

JOSHUA H. CARDEN LICENSE No 83511 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 12th, 2026

This item has been digitally signed and sealed by JOSHUA H. CARDEN on the date adjacent to the seal.

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

SHEET TITLE: LEGEND

PROJECT MANAGER:	SHAINE HERRICK
PROJECT ENGINEER:	DARIA COSTIN
PROJECT NUMBER:	U38575
DESCRIPTION:	646 LOMBARDY CT
DRAWING NAME:	U38575 - CRESENT CANAL - 646 LOMBARDY CT-LA-MSID-1

SHEET: C of 1

CONFIDENTIAL/PROPRIETARY

GENERAL NOTES

GENERAL NOTES

CONTRACTOR MUST OBTAIN LOCATES PRIOR TO DISTURBING THE GROUND.

CONTRACTOR MUST HAVE A COPY OF THE APPROVED PERMIT FROM THE APPROPRIATE AGENCY ON THE JOBSITE AT ALL TIMES.

ALL CABLE WILL BE PLACED AT A MINIMUM DEPTH OF 36" DEEP UNLESS OTHERWISE DIRECTED BY A REPRESENTATIVE OF THE UTILITY OWNER.

ANY LANDSCAPING WILL BE REPLACED TO EQUAL OR BETTER THAN THAT WHICH EXISTED PRIOR TO WORK, 72 HOURS AFTER COMPLETION OF WORK.

PROJECT SITE WILL BE PROPERLY SECURED PRIOR TO THE END OF EACH DAY.

ALL WORK IS TO BE IN ACCORDANCE WITH ALL AUTHORITIES HAVING JURISDICTION IN THE WORK ZONE.

CONTRACTORS ARE ADVISED TO CONTACT THE PROJECT MANAGER FOR ANY ADDITIONAL INFORMATION OR CLARIFICATION CONCERNING SCOPE OF WORK OR THE REQUIREMENTS NECESSARY FOR PROJECT COMPLETION.

CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY ALL DIMENSIONS, QUANTITIES AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION. IF A SIGNIFICANT CHANGE TO THE RUNNING LINE IS NEEDED, PLEASE CONTACT THE PROJECT MANAGER BEFORE PROCEEDING.

BEFORE CONSTRUCTION BEGINS, CONTRACTOR SHALL TAKE APPROPRIATE PRECAUTIONS TO AVOID ANY POTENTIAL OBSTRUCTIONS PRIOR TO PROCEEDING WITH WORK.

NO CONSTRUCTION ON PRIVATE PROPERTY WILL COMMENCE UNTIL APPROVAL IS GIVEN BY A REPRESENTATIVE OF THE UTILITY OWNER.

CONTRACTOR SHALL NOT PROCEED WITH WORK UNTIL THEY HAVE RECEIVED A PURCHASE ORDER AND HAVE BEEN DIRECTED TO DO SO BY AN AUTHORIZED REPRESENTATIVE OF THE UTILITY OWNER.

CONTRACTOR SHALL NOT EXCEED THE PURCHASE ORDER VALUE WITHOUT AUTHORIZATION IN WRITING FROM THE APPROPRIATE REPRESENTATIVE OF THE UTILITY OWNER.

AS-BUILTS WILL BE REQUIRED FOR EACH PROJECT INCLUDING CABLE FOOTAGE SEQUENTIALS AT EVERY ACCESS POINT, SLACK LOOP, SPLICE LOCATION, POLE AND TERMINATION POINT. CONTRACTOR SHOULD ALSO PROVIDE NOTES OF ALL CHANGES IN DEPTHS, RUNNING LINES, MH/HH LOCATIONS, AND ANY OTHER APPLICABLE NOTES TO DEPICT THE WORK THAT TOOK PLACE. NOTE: ALL MAJOR CHANGES NEED TO BE PRE-APPROVED BY AN AUTHORIZED REPRESENTATIVE OF THE UTILITY COMPANY PRIOR TO STARTING THE WORK.

SITE CONDITIONS

THE ACTUAL LOCATION OF EXISTING CONDUIT AND CABLES MAY VARY FROM THE LOCATION SHOWN. REPAIR OF ANY DAMAGED CONDUIT CONTAINING CABLE SHALL BE MADE BY USE OF PVC SPLIT DUCT. THE CONTRACTOR SHALL ENCLOSE THE EXISTING CABLES IN PVC.

THE LOCATIONS OF EXISTING UTILITIES SHOWN IN THIS PLAN ARE APPROXIMATE. WHEN WORK IS TO BE CONDUCTED IN THE VICINITY OF KNOWN UTILITIES, THEIR ACTUAL LOCATION MUST BE FIELD VERIFIED TO AVOID CONFLICTS OR DAMAGE TO THOSE UTILITIES. VARIATION IN LOCATION BETWEEN "RECORDED POSITIONS" AND ACTUAL POSITIONS SHOULD BE ANTICIPATED.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES. BURIED UTILITIES MAY EXIST IN THE AREA IN ADDITION TO THOSE SHOWN ON THE PLAN. THE CONTRACTOR SHALL CONTACT PROPERTY OWNERS WHEN WORKING WITHIN PRIVATE EASEMENTS FOR LOCATION OF UNDERGROUND TANKS, PIPELINES, DRAIN TILES, OR OTHER BURIED IMPROVEMENTS. THE CONTRACTOR SHALL ALSO NOTIFY THE UTILITY NOTIFICATION CENTER PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITIES.

THE CONTRACTOR MUST ASSUME ALL BURIED UTILITIES ENCOUNTERED ARE ALIVE AND ACTIVE UNLESS SPECIFICALLY INSTRUCTED OTHERWISE BY OWNERS OR OPERATORS OF SAID UTILITIES.

DAMAGE TO SUB-SURFACE STRUCTURES IS THE SOLE RESPONSIBILITY OF THE PLACING CONTRACTOR.

THE CONTRACTOR SHALL PROTECT THE EXISTING TRAFFIC CONTROL LOOPS. IF EXISTING TRAFFIC CONTROL LOOPS ARE DAMAGED DURING CONSTRUCTION, THE ENTIRE LOOP WIRE FROM TERMINAL TO TERMINAL SHALL BE REPLACED IN ACCORDANCE WITH GOVERNING AGENCY STANDARDS AND REGULATIONS AT CONTRACTOR'S EXPENSE.

REMOVAL OF EXISTING ASPHALT PAVEMENT, CONCRETE CURBS, AND CONCRETE SIDEWALKS WILL BE "NEAT LINE" WITH SAW OR PAVEMENT CUTTER, PER REQUIREMENTS AND SPECIFICATIONS OF THE AGENCY OR DEPARTMENT RESPONSIBLE FOR EACH LOCATION. IF CONCRETE PAVEMENT IS ENCOUNTERED WHILE EXCAVATING CONDUIT TRENCHES, THE CONCRETE REMOVAL WILL BE "NEAT LINE" WITH A PAVEMENT SAW.

IF CONCRETE CURB RETURNS AND/OR SIDEWALKS ARE REPLACED DUE TO CONDUIT OR MANHOLE INSTALLATION, THE CONTRACTOR SHALL PLACE APPROVED HANDICAPPED SIDEWALK AND CURB ACCESS RAMPS IN CONFORMANCE WITH THE APPROPRIATE STATE STATUTES.

ALL MATERIALS NECESSARY FOR THE REPAIR OF STREETS, CURBS, SIDEWALKS, SANITARY SEWERS, STORM SEWERS, AND PUBLIC SERVICE UTILITIES, AND THE INSTALLATION OF SUCH MATERIALS SHALL BE IN CONFORMANCE WITH THE REQUIREMENTS AND SPECIFICATIONS OF THE AGENCY OR DEPARTMENT RESPONSIBLE FOR THE OPERATION AND MAINTENANCE OF THE REPAIRED FACILITY.

ALL WORK SHALL CONFORM TO THE SPECIFICATIONS OF THE JURISDICTIONAL PERMIT AGENCY.

ALL OPEN TRENCH WILL BE CLEARLY MARKED WITH BARRICADES OR CONES. STEEL PLATES OR OTHER TYPES OF BRIDGING SHALL BE PROVIDED TO COVER OPEN TRENCH IN THE TRAVEL PORTION OF THE STREETS. THESE PLATES OR BRIDGING SHALL BE ADEQUATE TO SUPPORT THE NORMAL VEHICLE LOADS ANTICIPATED IN THIS AREA AND SHALL BE IN PLACE DURING ALL NON-WORKING AREAS.

ALL SURFACES TO BE RESTORED TO ORIGINAL CONDITION, AND BACKFILL TO BE COMPACTED AS SPECIFIED. TRENCH EXCAVATION IN SURFACES WHICH INCLUDE CONCRETE TREATED BASE SHALL FOLLOW LOCAL AREA SPECIFICATIONS.

HAZARDOUS MATERIALS

THE CONTRACTOR SHALL NOTIFY THE JURISDICTIONAL PERMIT AGENCY IMMEDIATELY IF ANY MATERIALS ARE ENCOUNTERED THAT ARE CONSIDERED HAZARDOUS BY THE EPA, DEQ, OR OSHA. IF POTENTIALLY HAZARDOUS MATERIALS ARE ENCOUNTERED THE CONTRACTOR SHALL SECURE THE SITE AND PREVENT THE ACCIDENTAL EXPOSURE BY THE PUBLIC OR THE CONTRACTOR'S PERSONNEL.

THE CONTRACTOR MAY EXCAVATE UP TO, BUT SHALL NOT DISTURB KNOWN HAZARDOUS MATERIALS SUCH AS ASBESTOS, OILS, ACID, ETC. THE REMOVAL OF ALL HAZARDOUS MATERIALS MUST BE DONE BY AN APPROVED OR CERTIFIED HAZARDOUS MATERIALS CONTRACTOR LICENSED IN THE APPROPRIATE STATE.

A COPY OF ALL CORRESPONDENCE PERTINENT TO THE REMOVAL OF HAZARDOUS MATERIALS SHALL BE TRANSMITTED TO OWNER AND A COPY SHALL BE AVAILABLE AT THE PROJECT OFFICE AND THE JOB SITE.

AERIAL NOTES

- AERIAL CONSTRUCTION TO BE PERFORMED TO INDUSTRY ACCEPTABLE STANDARDS.
- ALL HEIGHTS OF CABLE PLACEMENT WILL BE RECORDED AT TIME OF CONSTRUCTION. DOCUMENT ALL POINTS OF ATTACHMENT.
- ALL EXTENSION ARMS TO BE PLACED WILL BE EPOXY ARMS UNLESS OTHERWISE NOTED OR APPROVED BY THE INSPECTOR.
- BOND STRAND TO POWER MGN WHERE APPLICABLE. ANCHORS TO BE USED WILL BE 3/4 SCREW IN TYPE.
- ALL STRAPS WILL BE PLACED 4" BEFORE AND AFTER EVERY SUPPORTING CLAMP AT A MINIMUM OF 21" APART.
- P.O.A. = POINT OF ATTACHMENT.
- ADD MISSING GROUNDS.
- REPAIR/REPLACE EXISTING LASHING WIRE IF DAMAGED.

CONSTRUCTION STAKING

IN AREAS WHERE THE CONDUIT ALIGNMENT IS NOT CLEARLY DEFINED BY CURB LINES, FENCE LINES, OR OTHER EVIDENCE OF THE RIGHT-OF-WAY, THE ENGINEER WILL PROVIDE CENTERLINE STAKES OR PAINT MARKS WHERE REQUIRED TO MAKE THE PROPOSED CONDUIT ALIGNMENT EVIDENT.

MANHOLE CENTERS WILL BE FIELD STAKED BY THE ENGINEER WHEN REQUESTED WITH OFFSET STAKES AT RIGHT ANGLES (90°) TO THE CONDUIT ALIGNMENT.

CLOSURES IDENTIFIED IN THE PLANS SHALL BE LOCATED BY THE CONTRACTOR. DEVIATION FROM PLAN LAYOUT SHALL BE APPROVED BY THE ENGINEER PRIOR TO CONDUIT AND/OR CLOSURE INSTALLATION.

IF ADDITIONAL, FIELD STAKING OR LOCATION OF CONDUITS, MANHOLES, PROPERTY LINES, ETC., BECOMES NECESSARY, THE CONTRACTOR IS TO NOTIFY THE INSPECTOR OR THE ENGINEER TWO WORKING DAYS PRIOR TO BEGINNING THE WORK.

lumos

TEP

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TAMPA, FL 33610

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0	ORIGINAL	DC	05/12/2026

TEP OPCO, LLC FL COA# 31011

JOSHUA H. CARDEN LICENSE No 83511 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 12th, 2026

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SHEET TITLE:
GENERAL NOTES

PROJECT MANAGER:	SHAINE HERRICK
PROJECT ENGINEER:	DARIA COSTIN
PROJECT NUMBER:	U38575
DESCRIPTION:	646 LOMBARDY CT
DRAWING NAME:	U38575 - CRESENT CANAL - 646 LOMBARDY CT-LA-MSID-1

SHEET:
D1 of 1

CONFIDENTIAL/PROPRIETARY

GENERAL NOTES

PERMITS - FRANCHISES - EASEMENTS

PHYSICAL WORK SHALL NOT BE STARTED UNTIL THE GOVERNING AGENCY INSPECTOR AND THE CONTRACTOR ARE IN POSSESSION OF AND HAVE CAREFULLY REVIEWED AND FULLY UNDERSTAND ALL CONDITIONS AND SPECIFICATIONS SET FORTH IN THE REQUIRED PERMITS, FRANCHISES, AND/OR EASEMENTS.

PLACING FOREMAN TO HAVE A COPY OF THE PERMITS/EASEMENTS ON SITE AT ALL TIMES.

ANY CONFLICT BETWEEN WORK PRINT SPECIFICATIONS AND SPECIFICATIONS SET FORTH UNDER RELATED PERMITS, FRANCHISES, AND/OR EASEMENTS MUST BE CLEARED BY PROPER COMPANY AUTHORITY BEFORE PROGRESSING WITH WORK INVOLVED

TRAFFIC CONTROL

THIS PROJECT WILL INVOLVE WORKING ALONG A MAJOR ARTERIAL ROAD AND HEAVY TRAFFIC VOLUME SHOULD BE ANTICIPATED.

UNIFORM TRAFFIC FLOW SHALL BE MAINTAINED AT ALL TIMES. ONLY EQUIPMENT AND MATERIALS NECESSARY FOR IMMEDIATELY SCHEDULED OR IN PROGRESS WORK WILL BE MAINTAINED IN THE WORK AREA. ALL OTHER EQUIPMENT AND MATERIALS WILL BE "STORED OR STOCKPILED" IN SUCH A MANNER AS TO ELIMINATE HAZARDOUS CONDITIONS FOR TRAFFIC OR PEDESTRIANS DURING NON-WORKING OR SHUT DOWN PERIODS.

TRAFFIC WARNING DEVICES AND SIGNS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (U.S. GOVERNMENT PRINTING OFFICE) AND TO THE STATE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION. HIGH LEVEL WARNING TYPE DEVICES ARE TO BE USED AT ALL TIMES AND SPECIAL WARNING DEVICES MAY BE STIPULATED BY THE JURISDICTIONAL PERMIT AGENCY AT ANY TIME THE USE WILL ADD TO THE SAFETY AND PROTECTION OF TRAFFIC OR PEDESTRIANS IN THE CONSTRUCTION AREA.

ALL CONDUIT TRENCHING IN PAVED AREAS SHALL BE BACKFILLED WITH CRUSHED GRAVEL OR COMPLETELY COVERED AT THE COMPLETION OF EACH WORKING DAY. ANY BACKFILLED TRENCH SHALL BE CAPPED WITH A MINIMUM LAYER OF ASPHALTIC CONCRETE COLD PATCH AT THE END OF EACH WORKING DAY.

THE CONTRACTOR SHALL MARK THE CONDUIT TRENCH AND DEFINE HIS CONSTRUCTION AREA CLEARLY WITH BARRICADES, CONES, AND/OR OTHER VISIBLE METHODS THAT ALERT THE PUBLIC OF THE CONSTRUCTION ACTIVITY.

A TRAFFIC CONTROL PLAN SHALL BE PREPARED BY THE CONTRACTOR AS REQUIRED AND SUBMITTED TO EACH PERMITTING AGENCY REQUESTING SUCH PLAN FOR REVIEW AND APPROVAL OR REVISION PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITY FOR THIS PROJECT. THE APPROVED PLAN SHALL BE SUBMITTED TO THE AGENCY AND A COPY OF THE PLAN SHALL BE KEPT AT THE CONSTRUCTION SITE AND MUST BE READILY AVAILABLE REVIEW BY THE AGENCY REPRESENTATIVES.

SPECIAL UTILITY CLEARANCES

ALL WORK CONDUCTED ADJACENT TO WATER MAINS SHALL CONFORM TO THE FOLLOWING CONDITIONS:

A. WHEREVER POSSIBLE CONDUIT SHALL MAINTAIN A HORIZONTAL SEPARATION OF 3.0 FEET, MEASURED SURFACE TO SURFACE (OUTSIDE EDGE TO OUTSIDE EDGE), FROM PARALLEL WATER MAINS.

B. WHEREVER POSSIBLE, CONDUIT SHALL PASS UNDER EXISTING WATER MAINS AND MUST MAINTAIN 24" VERTICAL CLEAR SEPARATION. CONDUITS PASSING OVER WATER MAINS MUST ALSO MAINTAIN THE 24" VERTICAL SEPARATION.

C. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING THIS REQUIRED VERTICAL SEPARATION BY EITHER EXPOSING THE WATER MAIN EVERY 100 FEET IN THOSE AREAS WHERE HORIZONTAL SEPARATION IS LESS THAN 3.0 FEET OR BY UTILIZING THE DEPTHS OF ADJACENT WATER VALVES. IF THE CONTRACTOR UTILIZES THE ADJACENT WATER TO DETERMINE WATER MAIN DEPTH, HE SHALL CONTACT THE AGENCY AT EACH SUCH LOCATION AND THE AGENCY WILL DETERMINE THE NECESSARY DEPTH OF THE TOP OF THE CONDUIT AT THAT POINT.

D. THE VERTICAL AND HORIZONTAL SEPARATION SHALL BE MAINTAINED AT ALL TIMES UNLESS SPECIFICALLY REVISED BY AGREEMENT BETWEEN THE JURISDICTIONAL PERMIT AGENCY AND THE AGENCY ANY SPECIFIC DEVIATION IN VERTICAL AND HORIZONTAL SEPARATION FROM THOSE DESCRIBED SHALL BE REPORTED TO THE OWNER BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING VERTICAL AND HORIZONTAL SEPARATION AT ALL TIMES AND SHALL BE RESPONSIBLE FOR ANY AND ALL ENCROACHMENTS.

E. CLEARANCES TO STORM SEWERS AND SANITARY SEWERS SHALL BE EXACTLY THE SAME AS THOSE TO WATER MAINS.

STRUCTURE PROTECTION

MANHOLES AND CONDUIT TO BE PLACED ADJACENT TO EXISTING STRUCTURES SUCH AS BRIDGE BRIDGE FOOTINGS/PIERS, BUILDING FOUNDATIONS, WALLS, POWER AND TELEPHONE POLES, AND OTHER UTILITIES SHALL MAINTAIN A MINIMUM CLEARANCE AS SHOWN. THE CONTRACTOR SHALL NOT UNDERMINE ANY ADJACENT STRUCTURE WITHOUT SPECIFIC WRITTEN PERMISSION FROM THE OWNER/OPERATOR OF SUCH STRUCTURE.

SHORING USED AS FOUNDATION SUPPORT SHALL BE DESIGNED SPECIFICALLY FOR BOTH THE LIVE AND DEAD LOADS OF THE STRUCTURE, OR IF ONLY THE DEAD LOAD IS USED FOR DESIGN, THE CONTRACTOR SHALL PROVIDE A DETAILED LAYOUT AND PLAN OF THE METHOD OF ESTABLISHING AND MAINTAINING THE DESIGN LOAD CONDITIONS (I.E., ROAD DETOURS, TIEBACKS, ETC.).

SEE UTILITY CLEARANCE SECTION NOTES FOR CLEARANCE CRITERIA TO PARALLEL OR CROSS UTILITIES.

EXISTING UTILITIES EXPOSED DURING EXCAVATION SHALL BE 100% SUPPORTED BY EITHER TRENCH BRIDGING AND SUSPENSION OR BY THE USE OF LONGITUDINAL TRAYS OR PLATFORMS VERTICALLY SUPPORTED BY ADJUSTABLE BUILDING JACKS.

EXISTING SPLICE CASES AND CABLES SHALL BE SUPPORTED BY SUSPENSION FROM A CROSSING BEAM. SUPPORTS SHALL BE PLACED AT A MAXIMUM SPACING OF 4.0 FEET AND SHALL CONSIST OF A CANVAS SLING WITH NYLON BELTING OR ROPE. ALL CABLE SUPPORTS SHALL BE PLACED IN A MANNER THAN PREVENTS KINKS OR OTHER DAMAGE TO THE CABLE SHEATH.

AN ACCEPTABLE ALTERNATIVE TO CABLE SLINGS WOULD BE THE UTILIZATION OF A WIDE FLANGE "I" BEAM OR CHANNEL AS A "CABLE TRAY" WITH THE CABLES/CASES BANDED IN PLACE.

SHORING

THE CONTRACTOR SHALL PROVIDE SHORING FOR CONDUIT TRENCH EXCAVATION 42" OR MORE IN DEPTH AS MEASURED FROM THE HIGH SIDE OF THE TRENCH AND FOR ALL MANHOLE EXCAVATION.

MANHOLE SHORING SHALL BE TIGHT-SHEETED.

ALL SHORING SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF LOCAL COUNTY AND THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA).

SHORING SHALL BE DESIGNED TO MEET H-20 HIGHWAY LOADING.

THE CONTRACTOR SHALL PROVIDE ALL SHORING AND DESIGN CALCULATIONS TO THE PERMIT ISSUING AGENCY PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITY.

UTILITY NOTE:

EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND BASED ON AVAILABLE RECORDS, VERBAL INFORMATION AND/OR PHYSICAL FEATURES. PRIOR TO CONSTRUCTION (AT LEAST 72 HOURS OR THE MORE RESTRICTIVE MINIMUM NOTIFICATION PERIOD), THE CONTRACTOR SHALL CONTACT SUNSHINE 811 TO ALLOW MARKING OF EXISTING BURIED UTILITIES WITHIN THE SCOPE OF THE PROPOSED WORKZONE.

SOFT DIGS &/OR POTHOLING SHALL BE REQUIRED BY CONTRACTOR TO IDENTIFY EXISTING UTILITY DEPTHS.

MINIMUM 24" SEPARATION SHALL BE MAINTAINED FROM ALL EXISTING UTILITIES UNLESS SUPERVISED.

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TEP OPCO, LLC FL COA# 31011

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May 12th, 2026

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SHEET TITLE:
GENERAL NOTES

PROJECT MANAGER:	SHAINE HERRICK
PROJECT ENGINEER:	DARIA COSTIN
PROJECT NUMBER:	U38575
DESCRIPTION:	646 LOMBARDY CT
DRAWING NAME:	U38575 - CRESENT CANAL - 646 LOMBARDY CT-LA-MSID-1

SHEET:
D2 of 1

CONFIDENTIAL/PROPRIETARY

FDOT CONSTRUCTION NOTES

1. Aerial crossings of State roads involving temporary lane closures are to be done between the hours of 12:00 am and 5:00 am Monday through Thursday unless previously approved by the Department.

2. When directional bore is the method of installation, a minimum 24-inch separation shall be maintained from all existing utilities unless supervised, ITS/ATMS lines, and storm drain systems while maintaining the minimum required depth under pavement or non-paved ground.

3. If the proposed utility cannot be installed per the approved permitted plan and by FDOT specifications, a revised plan must be provided to the Department for review and approval prior to the installation of products or materials at the given locations where conflicts occur.

4. Any new proposed plan shall include cross sections, plan views and profiles of the State road adequately reflecting all right-of-way features including but not limited to existing utilities, storm drain systems and any above or below ground appurtenances where applicable.

5. No pedestrian pathway is to be removed, blocked, or disturbed without having a sufficient designated temporary pedestrian pathway with all appropriate pedestrian maintenance of traffic signs (Index 660) in-place prior to pathway being affected.

6. All temporary pedestrian pathways must be firm and unyielding.

7. Any sidewalk disturbed will be replaced by section within 72 hours to FDOT specifications.

8. Any sidewalk fronting the property that is cracked, damaged or unstable and is creating an ADA trip hazard must be replaced by section, using Standard #520-001, #522-002, and #522-001 for the construction of sidewalk and meet current ADA Standards. All concrete placed in the right of way shall be a minimum of 6" thick, FDOT Certified Class 1 non-structural, 57 stone, 2500 PSI concrete, with fiber mesh material from a FDOT approved plant.

9. FDOT reserves the right to make adjustments to any permitted method of installation, scope of work, and restoration that may be required to positively support life, safety, and environmental well-being of all users of the transportation system.

10. The Permittee shall notify the FDOT of date of completion, request a final inspection, and a Notice of Final Acceptance.

11. All construction and/or maintenance in the FDOT right-of-way shall conform to the Federal Manual on Uniform Traffic Devices (MUTCD), the FDOT Roadway and Traffic Design Standards, the Standard Specifications for Road and Bridge Construction, the Florida Design Manual, and the Drainage Manual.

12. Prior to removal of existing curb or driveway, the edge of travel shall be sawcut to avoid damaging the existing roadway asphalt. All concrete to be removed in FDOT right-of-way shall be sawcut and removed from the nearest joint.

13. No lane closure of any State roadway is allowed without a minimum of two (2) weeks advance notification and approval from FDOT.

14. Lane closures must be limited to Sunday through Thursday 8:00 pm to 5:30 am unless otherwise approved by FDOT.

15. Any sidewalk damaged because of work being performed in association with the Permittee and Contractor shall be removed and replaced with 6-inch thick Class 1 non-structural, 2,500 PSI with fiber mesh.

16. Open cutting of any roadway, driveway or sidewalk outside those limits identified within the permit are not allowed without prior approval of by FDOT.

17. The Contractor shall have an authorized person available at/or near the work site on a 24-hour basis, 7 days a week in order to address emergency issues associated with the project.

18. No stockpiling, storing or semi-permanent use of the right-of-way is authorized unless specifically identified within the permit.

19. No work shall be performed during the weeks of any State or Federal holiday unless otherwise approved in writing by FDOT.

20. The permitted work schedule is defined as Monday through Friday 7:00 am to 5:30 pm unless otherwise noted within the permit. Any work desired outside of this period must be requested in advance and approved before working the alternate schedule.

21. When work is associated with roadway modifications and/or site development, the Contractor is required to have a preconstruction meeting with the FDOT inspector two weeks prior to any construction beginning within the right-of-way.

22. All work performed under this permit within the right-of-way is to be scheduled with FDOT inspection staff.

23. Roadway restoration shall utilize 100 PSI excavatable flowable fill material and asphalt placed within the State right-of-way shall be placed full-depth, two 2.5-inch lifts of SP 12.5, two 1.5-inch lifts of SP 9.5. Typical sections will need to be provided within the plans for the pavement placement. A stair step method should be incorporated, prior to placing asphalt, to avoid vertical joints. Milling of the patch may be required based on the patched surface performance. The milling shall be utilized for surface leveling to a thickness equal to or greater than the existing friction coarse material. The milling limits are 50-foot of the patch along the longitudinal path of the lane, full lane width and to include any adjacent bike lanes, shared path or urban shoulder sections.

24. Any disruptions to any permeable pedestrian way and bike lane are to be restored as work continues. All patches shall be full width from outside edge of pedestrian path to white line edge of travel lane with stair step (staggered) joints. Restoration to include backfill with existing sub-grade material and #57 stone as base material (compact in 6-inch lifts) to bottom of existing pervious asphalt base, followed by permeable design mix (if available) or FC-5 (Friction Course) mix with a minimum 2-inch and maximum 3-inch lifts. Maintain ingress/egress on all drives and side streets during construction.

25. Any bore pit greater than five (5) feet in depth requires a Sheeting and Shoring Plan as well as a Dewatering Plan.

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REV	DESCRIPTION	INITIALS	DATE
0	ORIGINAL	DC	05/12/2026

TEP OPCO, LLC FL COA# 31011

JOSHUA H. CARDEN LICENSE No 83511 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 12th, 2026

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SHEET TITLE:
CONSTRUCTION NOTES

PROJECT MANAGER:	SHAINE HERRICK
PROJECT ENGINEER:	DARIA COSTIN
PROJECT NUMBER:	U38575
DESCRIPTION:	646 LOMBARDY CT
DRAWING NAME:	U38575 - CRESENT CANAL - 646 LOMBARDY CT-LA-MSID-1

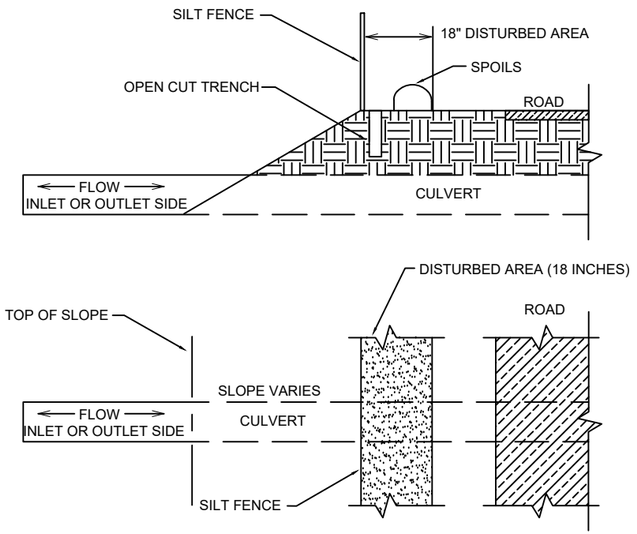
SHEET:
E of 1

CONFIDENTIAL/PROPRIETARY

TYPICALS

CULVERT CUT OVER ON ROADSIDE SHOULDER

NOT TO SCALE



GENERAL NOTES

1. INSTALL SILT FENCE TO PROTECT DOWNSTREAM AREAS FROM SEDIMENTATION PRIOR TO CONSTRUCTION.
2. INSTALL SILT FENCE AS NEEDED TO PROTECT DRAINAGE FEATURES, BUT NO LESS THAN 10' ON EITHER SIDE OF CULVERT.

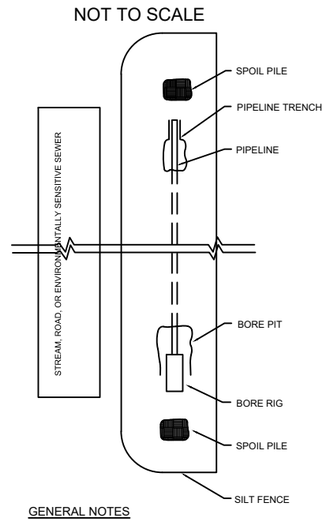
MAINTENANCE NOTES

INSPECT CULVERT CROSSING STRUCTURES WEEKLY AND AFTER EACH SIGNIFICANT RAINFALL EVENT (0.5" OR GREATER) TO SEE IF ANY EROSION AROUND OR BELOW THE SILT FENCE HAS OCCURRED, IMMEDIATELY MAKE ALL NEEDED REPAIRS TO PREVENT FURTHER DAMAGE.

*REF: 6.41.5 NC Erosion and Sediment Control Planning and Design Manual, 2006

DIRECTIONAL BORE DETAIL (PARALLEL)

NOT TO SCALE

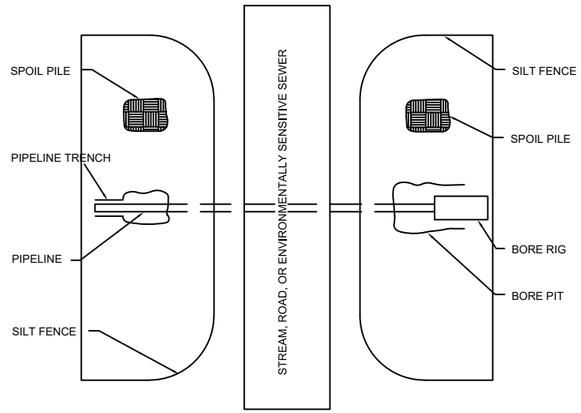


GENERAL NOTES

1. BORE PITS AND SPOILS PILES SHALL BE ENCLOSED ON THREE SIDES AS SHOWN WITH SILT FENCE

DIRECTIONAL BORE DETAIL (TRAVERSE)

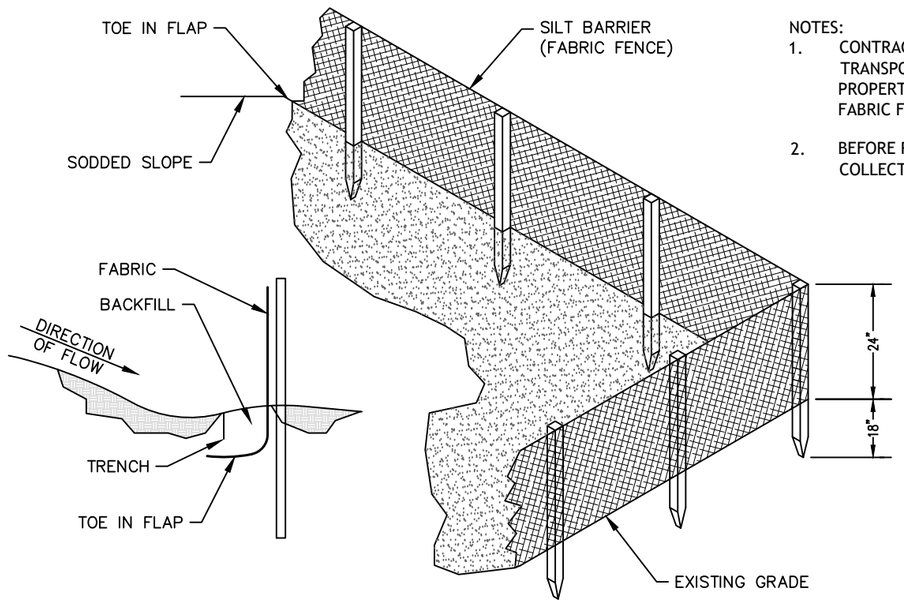
NOT TO SCALE



GENERAL NOTES

1. BORE PITS AND SPOILS PILES SHALL BE ENCLOSED ON THREE SIDES AS SHOWN WITH SILT FENCE

FABRIC FENCE SILT - BARRIER



NOTES:

1. CONTRACTOR IS REQUIRED TO PREVENT ANY SEDIMENT TRANSPORT FROM THE PROJECT SITE ON TO ADJACENT PROPERTY. INSTALLATION OF EITHER BALED HAY OR FABRIC FENCE TYPE SILT BARRIER IS ACCEPTABLE.
2. BEFORE REMOVING SILT BARRIER, CONTRACTOR SHALL COLLECT AND DISPOSE OF ANY ACCUMULATED SILT.

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SHEET TITLE: TYPICALS

PROJECT MANAGER:	SHAINE HERRICK
PROJECT ENGINEER:	DARIA COSTIN
PROJECT NUMBER:	U38575
DESCRIPTION:	646 LOMBARDY CT
DRAWING NAME:	U38575 - CRESENT CANAL - 646 LOMBARDY CT-LA-MSID-1

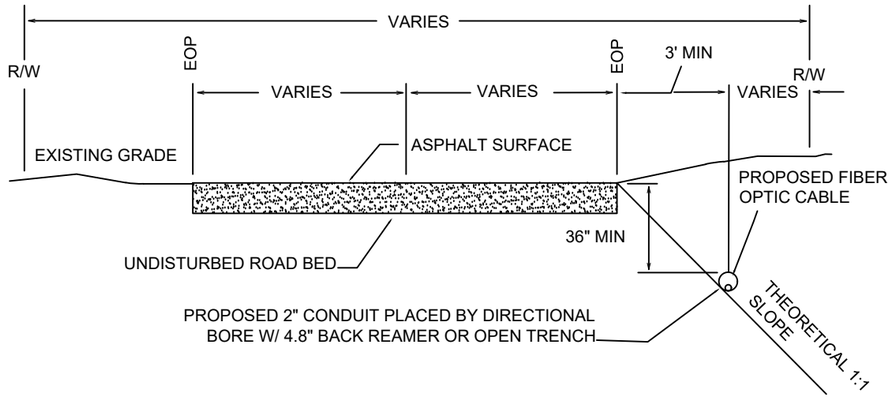
SHEET: F of 1

CONFIDENTIAL/PROPRIETARY

TYPICALS

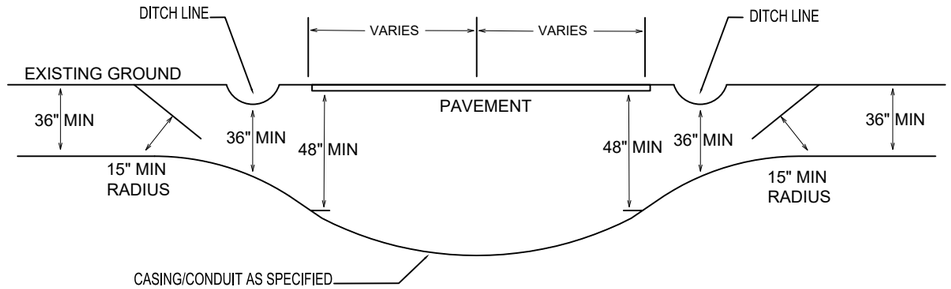
PARALLEL CONDUIT DETAIL FOR FDOT RIGHT-OF-WAY

NOT TO SCALE



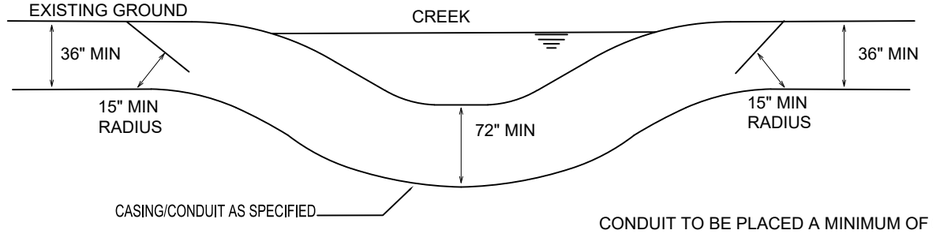
DIRECTIONAL BORE UNDER SECONDARY ROADWAY

NOT TO SCALE



DIRECTIONAL BORE UNDER CREEK BED

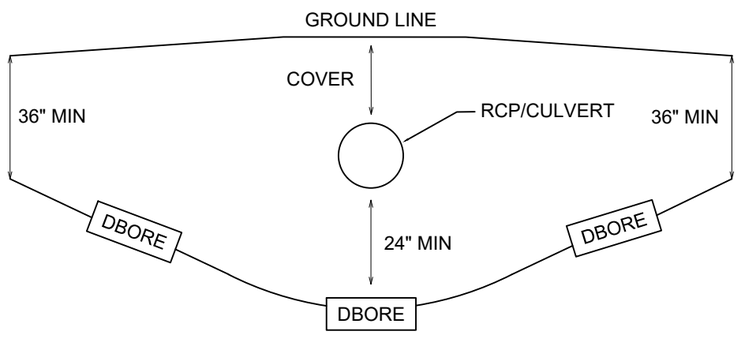
NOT TO SCALE



CONDUIT TO BE PLACED A MINIMUM OF 6 FEET BELOW CREEK BED

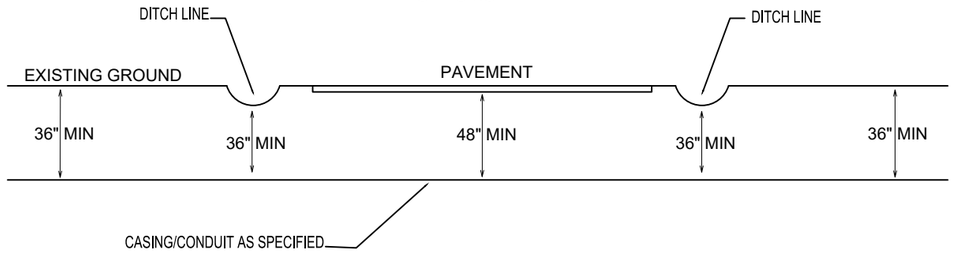
CULVERT CROSSING DETAIL

NOT TO SCALE



DRY BORE UNDER ROADWAY

NOT TO SCALE



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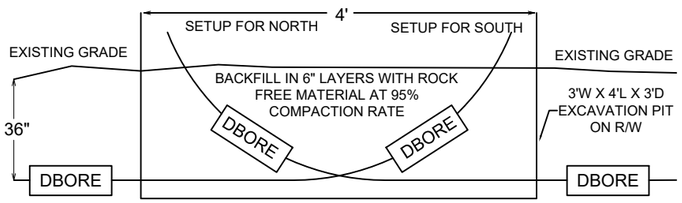
SHEET: G of 1

CONFIDENTIAL/PROPRIETARY

TYPICALS

DIRECTIONAL BORE TIE-IN DETAIL

NOT TO SCALE

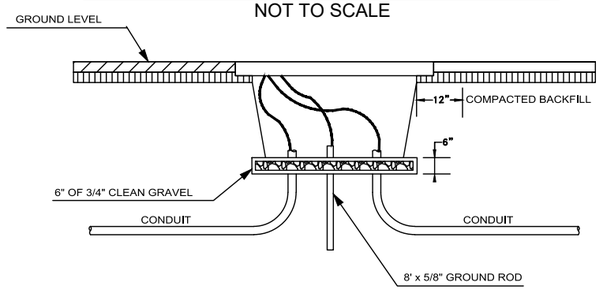


TIE-IN STATION

- BORE FROM EACH DIRECTION IS RUN AT DESIGN DEPTH TO 2 FEET PAST THE INTENDED TIE-IN. THEN TURNED UP TO DAYLIGHT.
- THE TIE-IN POINT IS EXCAVATED. THE CONDUITS CUT OFF WHERE THEY CROSS EACH OTHER AT DESIGN DEPTH, AND A COUPLER IS INSTALLED TO CONNECT THE TWO CONDUITS AT THE DESIGN DEPTH.
- ALL EXCAVATIONS OR TRENCHES 4 FEET OR GREATER IN DEPTH SHALL BE APPROPRIATELY BENCHED, SHORED, OR SLOPED IN OSHA'S EXCAVATION STANDARD, 29 CFR 1926.650, .651, AND .652

PULL BOX HANDHOLE

NOT TO SCALE



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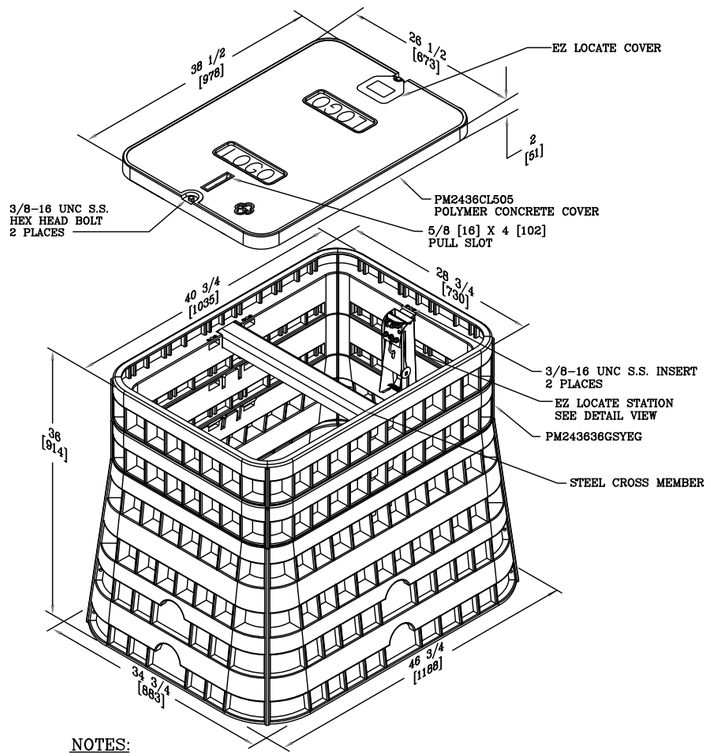
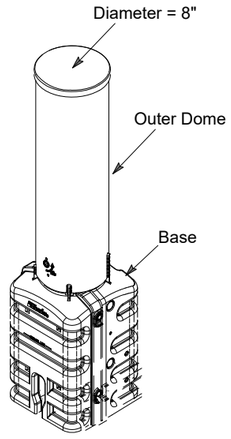


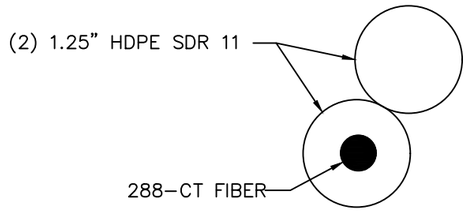
NOTES:

1. BOX MATERIAL TO BE HDPE PLASTIC, COVER MATERIAL TO BE POLYMER CONCRETE.
2. COLOR TO BE GREY.
3. THIS ASSEMBLY HAS A LOAD RATING OF 20,000 LBS. [88,960 N].

BDO204-EG



PIPE DETAIL



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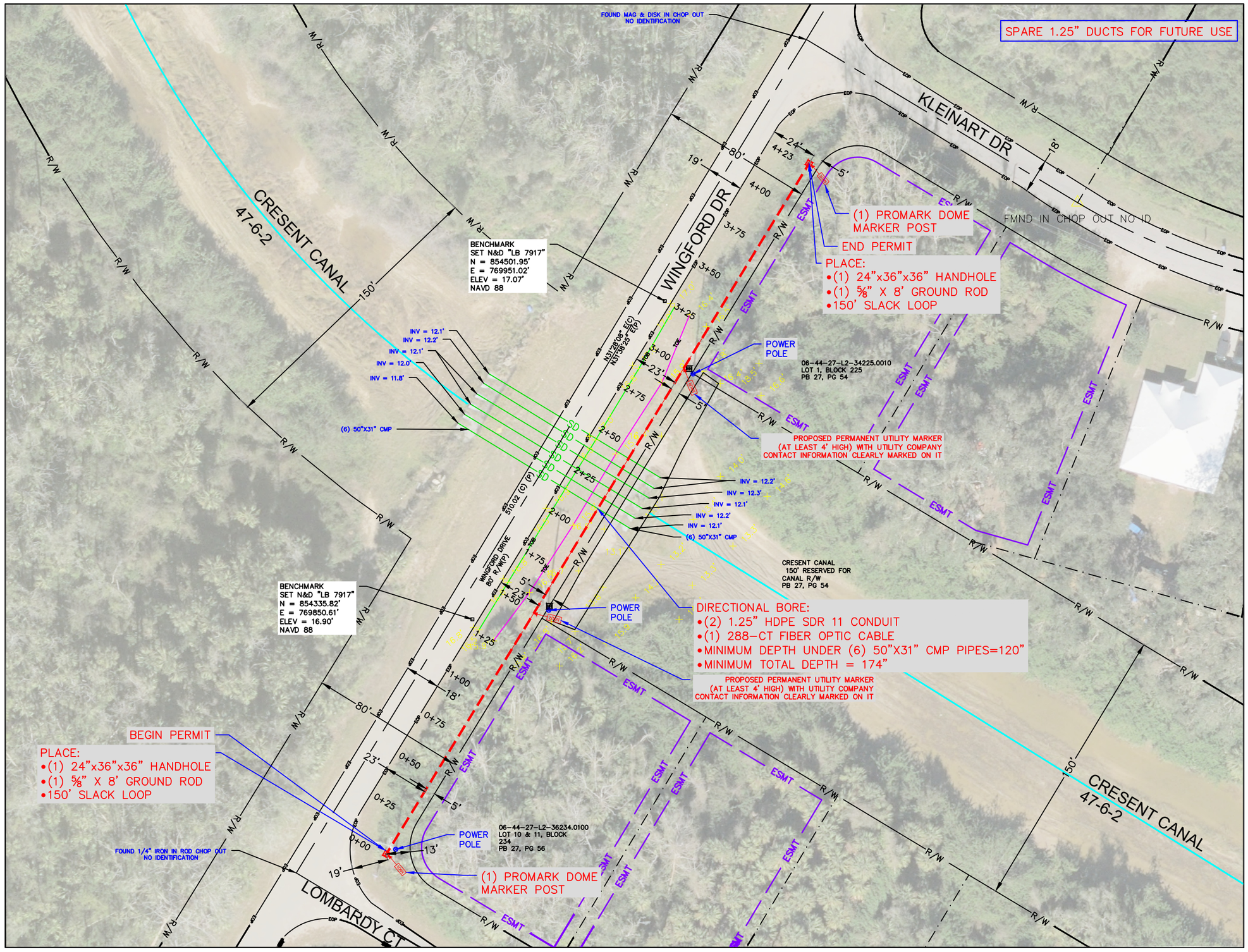

0 10' 20' 30' 40' 50'

SCALE: 1"=50'

N

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REV	DESCRIPTION	INITIALS	DATE
0	ORIGINAL	DC	05/12/2026

TEP OPCO, LLC FL COA# 31011

JOSHUA H. CARDEN
LICENSE
No 83511
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

May 12th, 2026

This item has been digitally signed and sealed by JOSHUA H. CARDEN on the date adjacent to the seal.

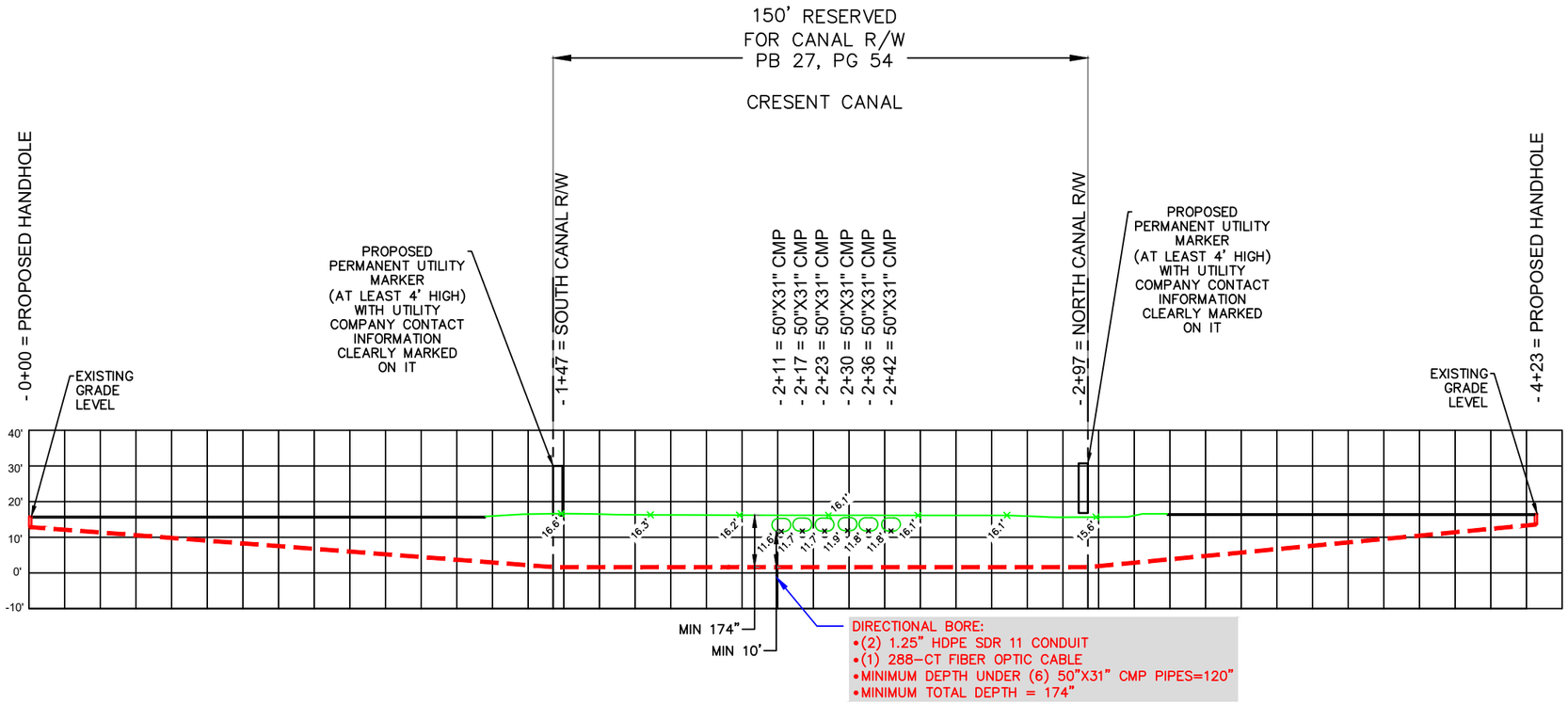
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

SHEET TITLE:
PROJECT SHEET

PROJECT MANAGER:	SHAINE HERRICK
PROJECT ENGINEER:	DARIA COSTIN
PROJECT NUMBER:	U38575
DESCRIPTION:	646 LOMBARDY CT
DRAWING NAME:	U38575 - CRESENT CANAL - 646 LOMBARDY CT-LA-MSID-1
SHEET:	1 of 1

CONFIDENTIAL/PROPRIETARY

SUB-GRADE VERTICAL PROFILE VIEW
WINGFORD DRIVE
FACING NORTHWEST



UTILITY NOTE:

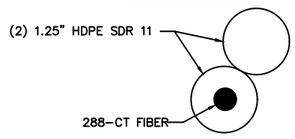
EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND BASED ON AVAILABLE RECORDS, VERBAL INFORMATION AND/OR PHYSICAL FEATURES. PRIOR TO CONSTRUCTION (AT LEAST 72 HOURS OR THE MORE RESTRICTIVE MINIMUM NOTIFICATION PERIOD), THE CONTRACTOR SHALL CONTACT SUNSHINE 811 TO ALLOW MARKING OF EXISTING BURIED UTILITIES WITHIN THE SCOPE OF THE PROPOSED WORKZONE.

NOTE:

BORE MUST BE 10' BELOW THE LOWEST PIPE INVERT OR THE CANAL BOTTOM, WHICHEVER IS LOWEST, FOR THE ENTIRE 150' WIDE CANAL RIGHT OF WAY.

ALL CANAL RIGHT OF WAY THAT IS DISTURBED MUST BE RESTORED WITH SOD AND MAINTAINED UNTIL WELL ESTABLISHED. NO SEEDING WILL BE ALLOWED.

PIPE DETAIL



NOTE:
BORE TO MAINTAIN A MINIMUM DEPTH OF 48" BELOW GRADE AND A MINIMUM DEPTH OF 48" BELOW TOP OF ROADWAY. A MINIMUM OF 30" SEPARATION SHALL BE MAINTAINED FROM ALL EXISTING UTILITIES, ITS/ATMS, AND STORM DRAIN SYSTEMS UNLESS SUPERVISED. NO BACK REAMER REQUIRED DUE TO SIZE OF 4" BIT. SOFT DIGS &/OR POTHOLING MAY BE REQUIRED BY CONTRACTOR TO IDENTIFY EXISTING UTILITY DEPTHS.

lumos

TEP

5906 BRECKENRIDGE PKWY, SUITE A
TAMPA, FL 33610

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0 10' 20' 30' 40'
SCALE: 1"=40'

N

811 Know what's below Call before you dig.

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0	ORIGINAL	DC	05/12/2026

TEP OPCO, LLC FL COA# 31011

JOSHUA H. CARDEN LICENSE No 83511 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 12th, 2026

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SHEET:	1A of 1

CONFIDENTIAL/PROPRIETARY

STREET LEVEL VIEW
STA 1+50
FACING NORTHEAST



lumos

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SCALE = N.T.S.

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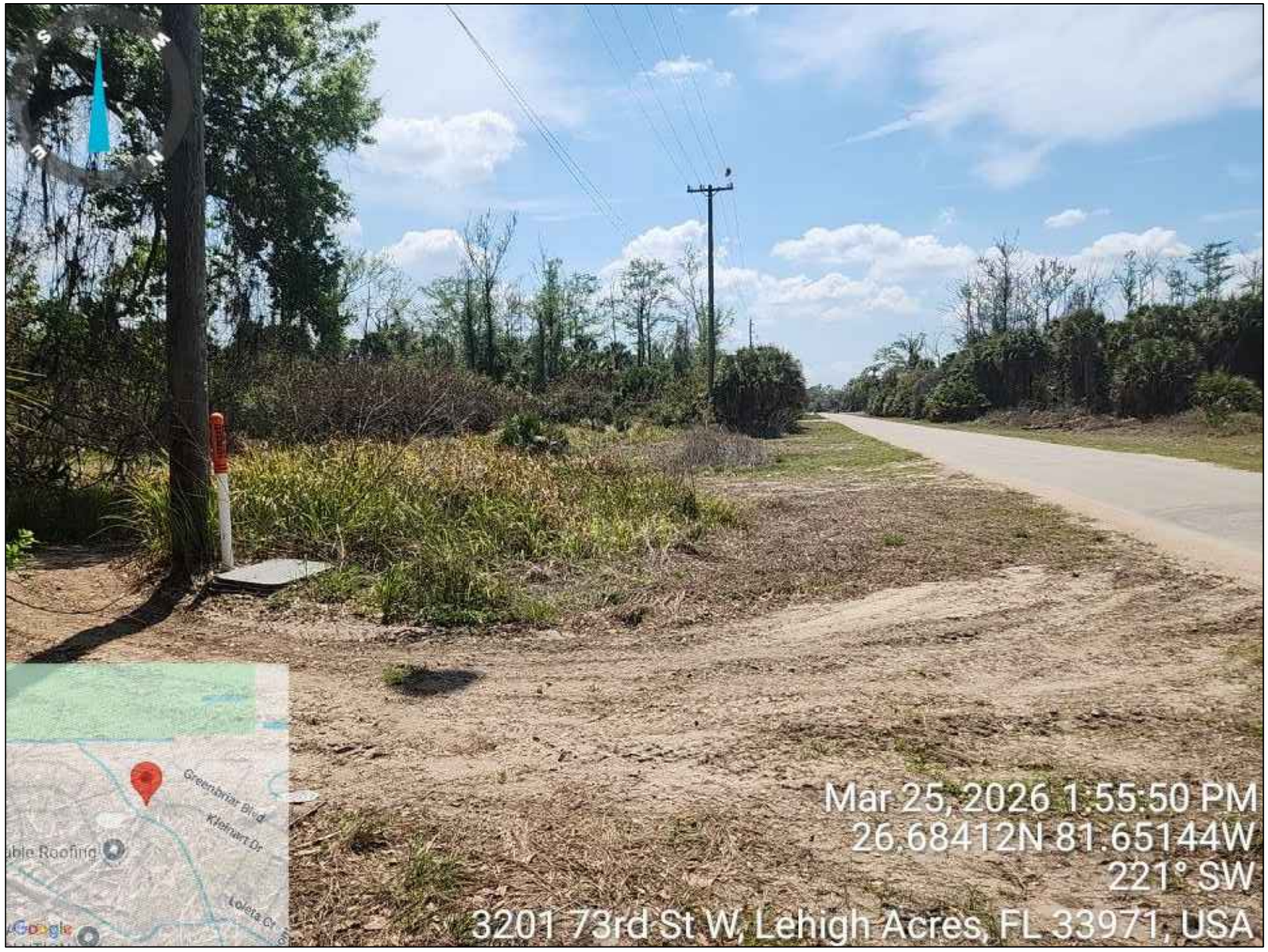
SHEET: I1 of 1

CONFIDENTIAL/PROPRIETARY

STREET LEVEL VIEW
STA 3+00
FACING SOUTHWEST



lumos

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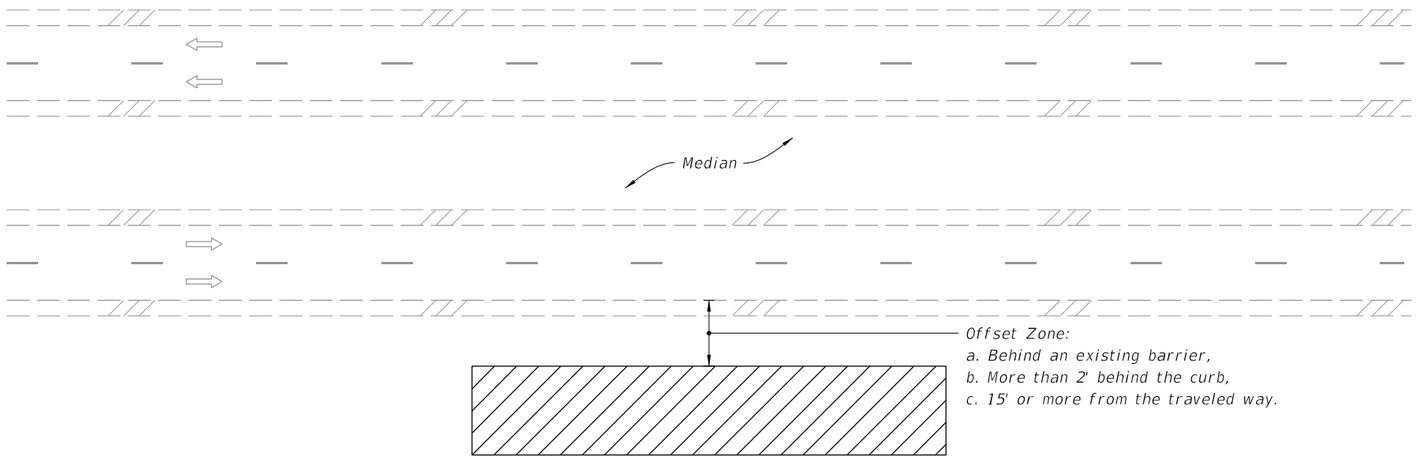
SHEET: I2 of 1

CONFIDENTIAL/PROPRIETARY



MULTILANE ROADWAY SHOWN, TWO-LANE ROADWAY SIMILAR

NOTES:

1. This Index applies to Two-Lane, Two-Way and Multilane Roadways, including Medians of divided roadways, with work beyond the shoulder.

2. Use Index 102-602 when the work operation (excluding establishing and terminating the work area) requires that two or more work vehicles cross the Offset Zone in any one hour period.

3. Use Index 102-660 when Work Area encroaches a Sidewalk.

SYMBOLS:

Work Area

Lane Identification and Direction of Traffic

9/10/2024 10:45:01 AM

LAST REVISION	REVISION	DESCRIPTION:			INDEX	SHEET
11/01/20			FY 2025-26 STANDARD PLANS	TWO-LANE AND MULTILANE ROADWAY, WORK BEYOND THE SHOULDER	102-601	1 of 1

NOTE:

1. This Index applies to Two-Lane, Two-Way and Multilane Roadways, including Medians of divided roadways, with work on the shoulder.

2. L = Taper Length
   X = Work Zone Sign Spacing
   B = Buffer Length
   See Index 102-600 for "L", "X", "B", and channelizing device spacing values.

3. Where work activities are between 2' and 15' from the edge of traveled way, the Engineer may omit signs and channelizing devices for work operations 60 minutes or less.

4. When four or more work vehicles enter the through traffic lanes in a one hour period (excluding establishing and terminating the work area), use a flagger or lane closure to accommodate work vehicle ingress and egress.

5. For work less than 2' from the traveled way and work zone speed is greater than 45 MPH, use a lane closure.

6. The "Speeding Fines Doubled When Workers Present" signs (M0T-13-06) and "End Road Work" Signs (G20-2) along with the associated work zone sign spacing distances may be omitted when the work operation is in place for 24 hours or less.

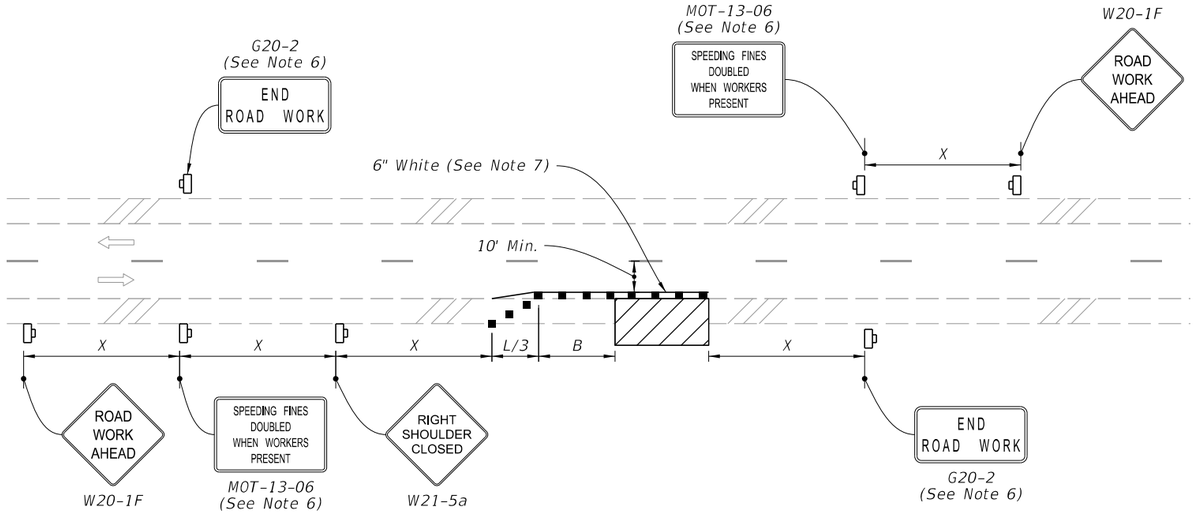
7. Temporary pavement markings may be omitted when the work operation is in place for 3 days or less.

8. Omit "Shoulder Closed" signs (W21-5a) along with associated work zone sign spacing distances for work on the median.

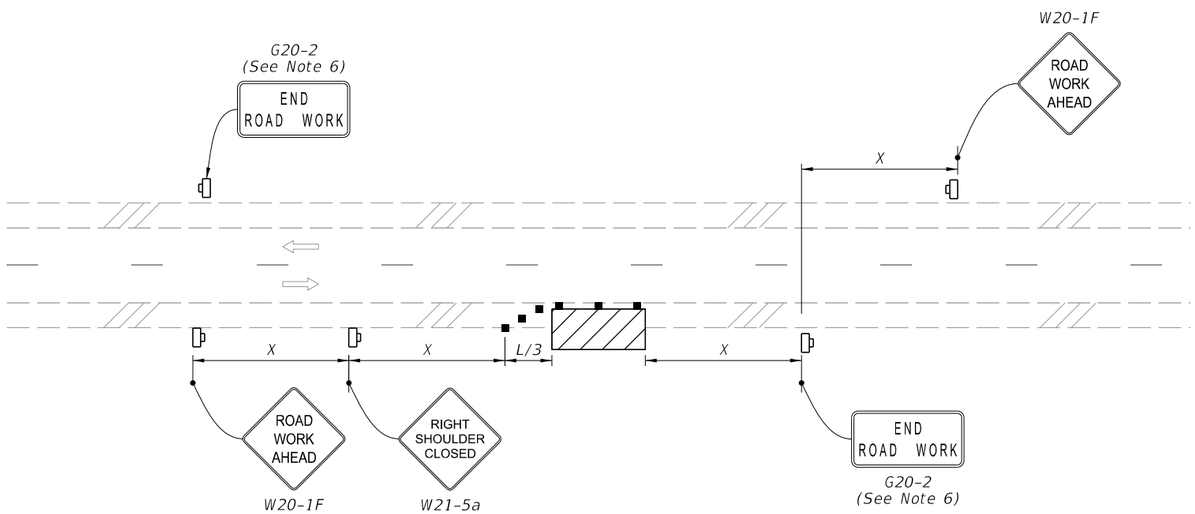
9. When there is no paved shoulder, the "Worker" sign (W21-1) may be used instead of the "Shoulder Closed" sign (W21-5a).

SYMBOLS:

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Lane Identification and Direction of Traffic



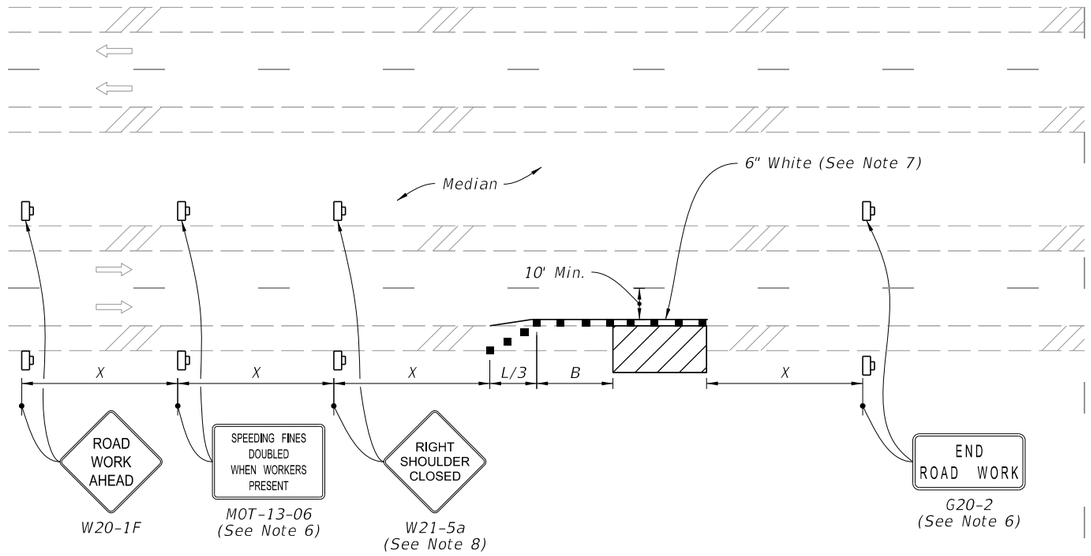
TWO-LANE ROADWAY
SHOULDER WORK LESS THAN 2' FROM THE TRAVELED WAY
WITH WORK ZONE SPEED OF 45 MPH OR LESS



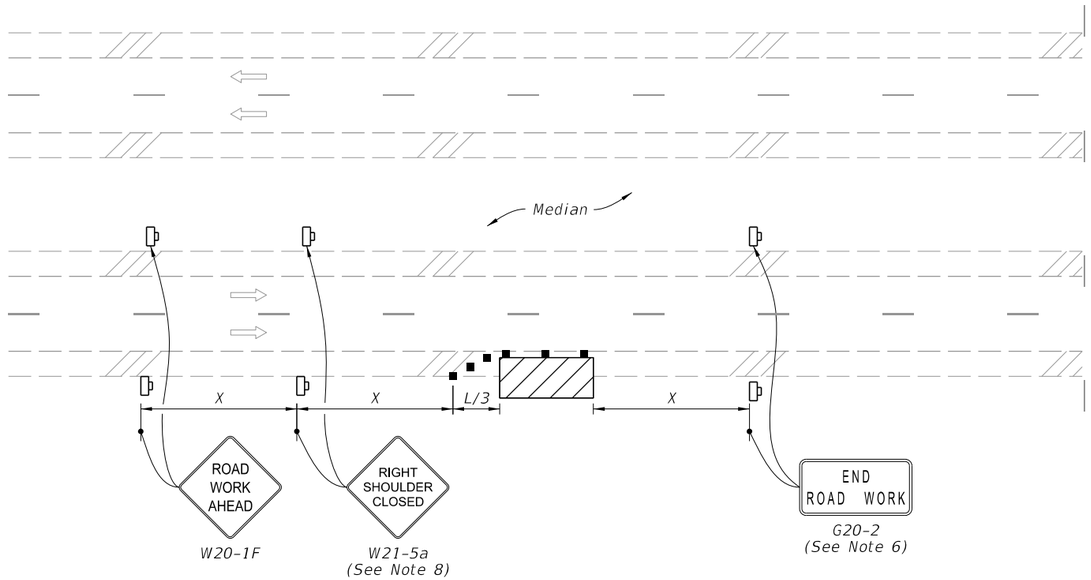
TWO-LANE ROADWAY
SHOULDER WORK BETWEEN 2' AND 15' FROM THE TRAVELED WAY

9/10/2024 10:45:37 AM

LAST REVISION	REVISION	DESCRIPTION:			INDEX	SHEET
11/01/21			FY 2025-26 STANDARD PLANS	TWO-LANE AND MULTILANE, WORK ON SHOULDER	102-602	1 of 2



MULTILANE ROADWAY
SHOULDER WORK LESS THAN 2' FROM THE TRAVELED WAY
WITH WORK ZONE SPEED OF 45 MPH OR LESS



MULTILANE ROADWAY
SHOULDER WORK BETWEEN 2' AND 15' FROM THE TRAVELED WAY

SYMBOLS:

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Lane Identification and Direction of Traffic

9/10/2024 10:45:44 AM

LAST REVISION	REVISION	DESCRIPTION:				
11/01/20			FY 2025-26 STANDARD PLANS	TWO-LANE AND MULTILANE, WORK ON SHOULDER	INDEX 102-602	SHEET 2 of 2

NOTES:

1. Cover or deactivate pedestrian traffic signal display(s) controlling closed crosswalks.

2. Place pedestrian LCDs across the full width of the closed sidewalk.

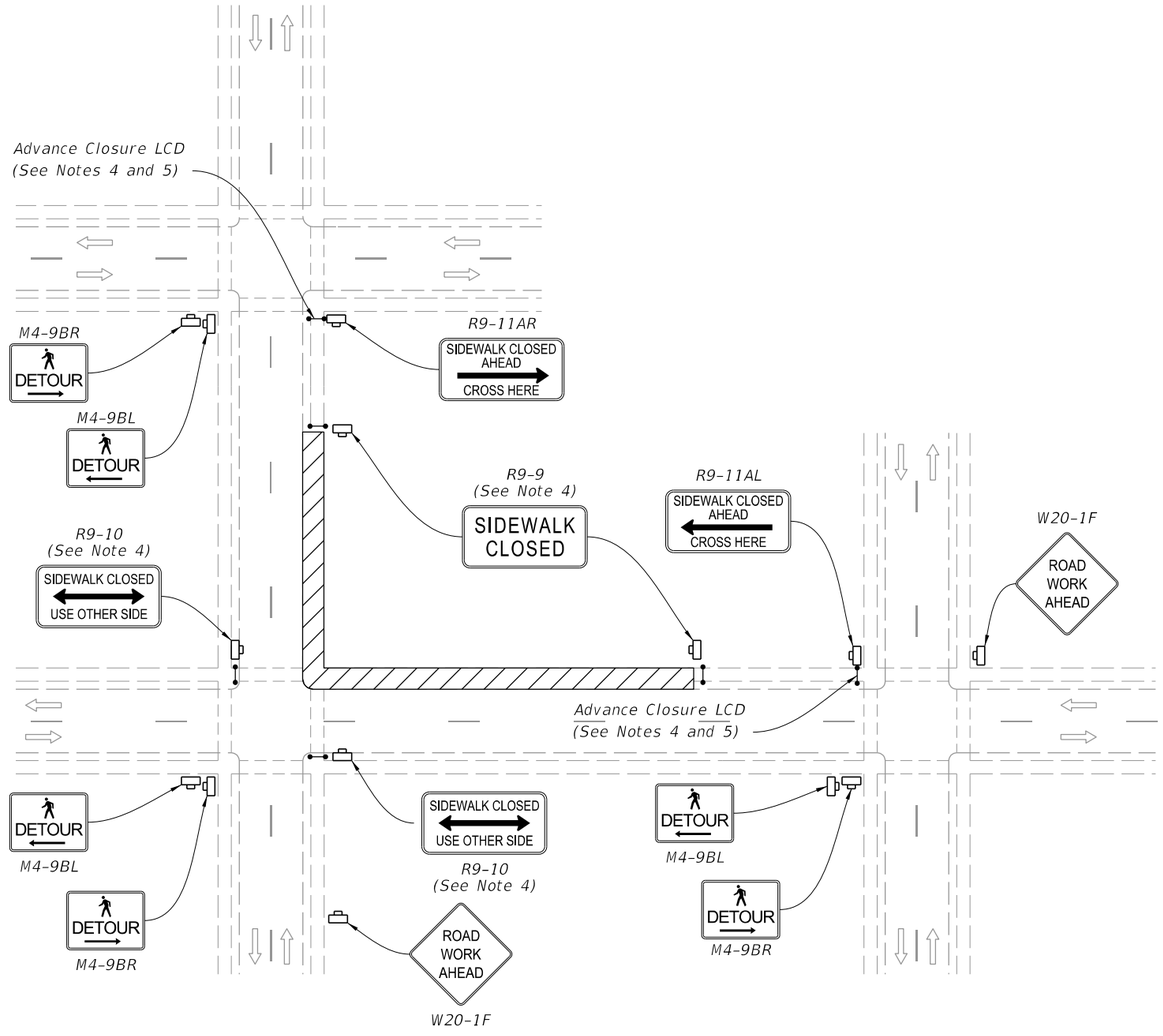
3. For post mounted signs located near or adjacent to a sidewalk, maintain a minimum 7' clearance from the bottom of the sign panel to the surface of the sidewalk.

4. "Sidewalk Closed" signs (R9-XX) may be mounted on pedestrian LCDs in accordance with the manufacturer's instructions.

5. Omit the Advance Closure LCD if it blocks access to other pedestrian facilities (e,g,, transit stops, residences, or business entrances).

SYMBOLS:

- Work Area
- Work Zone Sign
- Pedestrian Longitudinal Channelizing Device (LCD)
- Lane Identification and Direction of Traffic



PEDESTRIAN DETOUR

9/10/2024 11:11:04 AM

LAST REVISION	REVISION	DESCRIPTION:				
11/01/20			FY 2025-26 STANDARD PLANS	SIDEWALK CLOSURE	INDEX 102-660	SHEET 1 of 2

NOTES:

1. L = Taper Length
   B = Buffer Length
   X = Work Zone Sign Distance
   See Index 102-600 for "L", "B", "X", channelizing device spacing values.

2. Provide a 5' wide temporary pedestrian way with a maximum cross-slope of 0.02, except where space restrictions warrant a minimum width of 4'. Provide a 5' x 5' passing space for temporary pedestrian ways less than 5' in width at intervals not to exceed 200'.

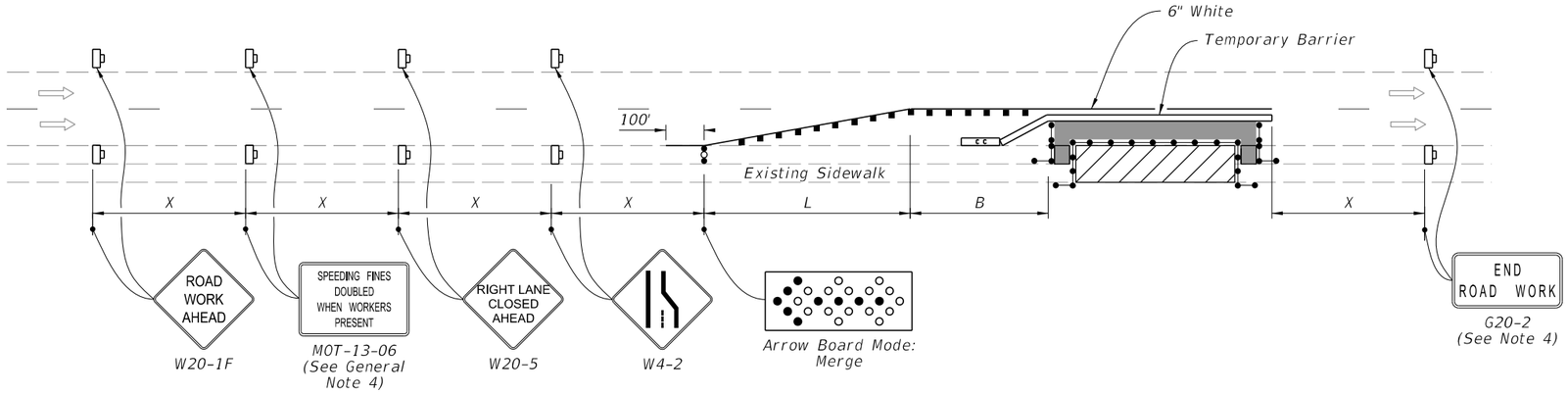
3. When temporary pedestrian ways require curb ramps, meet the requirements of Index 522-002. Detectable warnings are not required for curb ramps diverting pedestrian traffic into a closed lane.

4. The "Speeding Fines Doubled When Workers Present" signs (MOT-13-06) and "End Road Work" signs (G20-2), along with associated work zone sign distances, may be omitted when the work operation will be in place for 24 hours or less.

5. Pedestrian Diversion Option 2 may only be used when called for in the Plans or as approved by an Engineer.

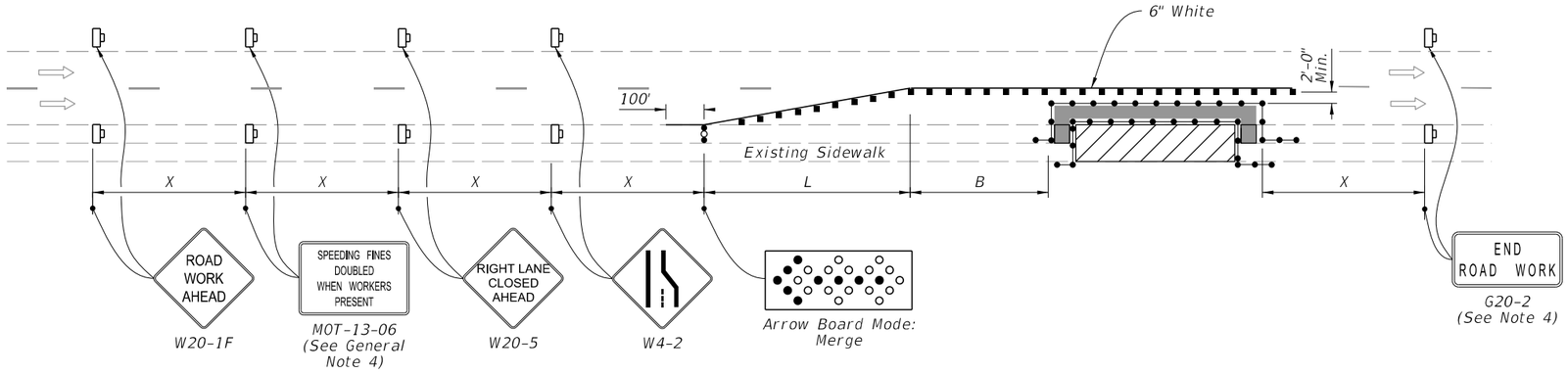
SYMBOLS:

- Work Area
- Temporary Pedestrian Way
- Channelizing Device (See Index 102-600)
- Pedestrian Longitudinal Channelizing Device (LCD)
- Work Zone Sign
- Arrow Board
- Crash Cushion
- Lane Identification and Direction of Traffic



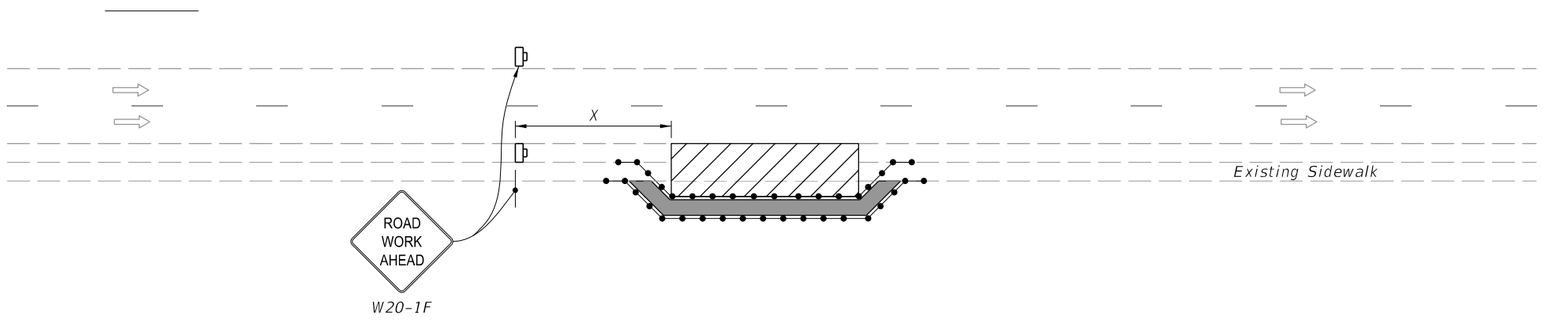
PEDESTRIAN DIVERSION - OPTION 1

(Temporary Barrier Shown, Low Profile Barrier Similar)



PEDESTRIAN DIVERSION - OPTION 2

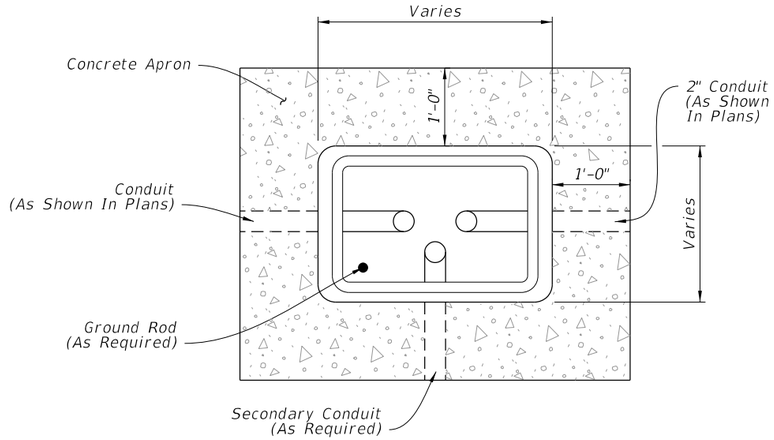
(Work Zone Speed 45 mph or Less)



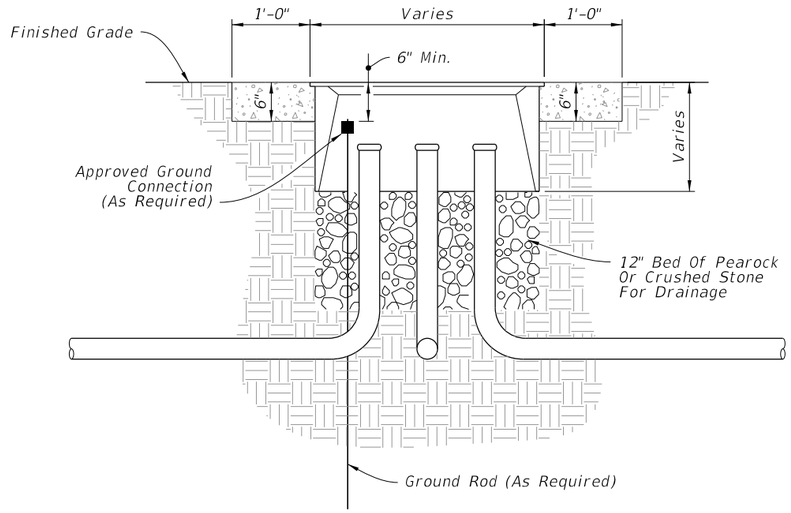
PEDESTRIAN SPECIAL DETOUR

9/10/2024 11:11:11 AM

LAST REVISION	REVISION	DESCRIPTION:			INDEX	SHEET
11/01/23			FY 2025-26 STANDARD PLANS	SIDEWALK CLOSURE	102-660	2 of 2

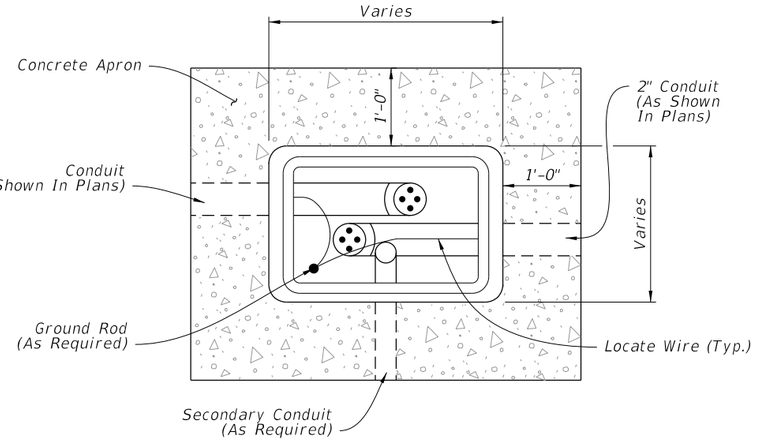


PLAN

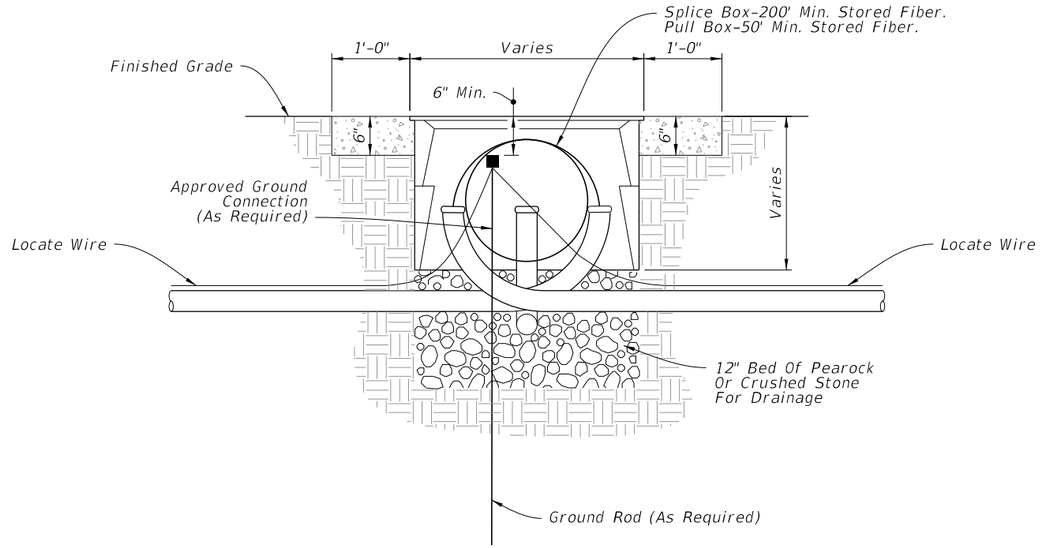


ELEVATION

PULL BOX



PLAN



ELEVATION

FIBER OPTIC BOX

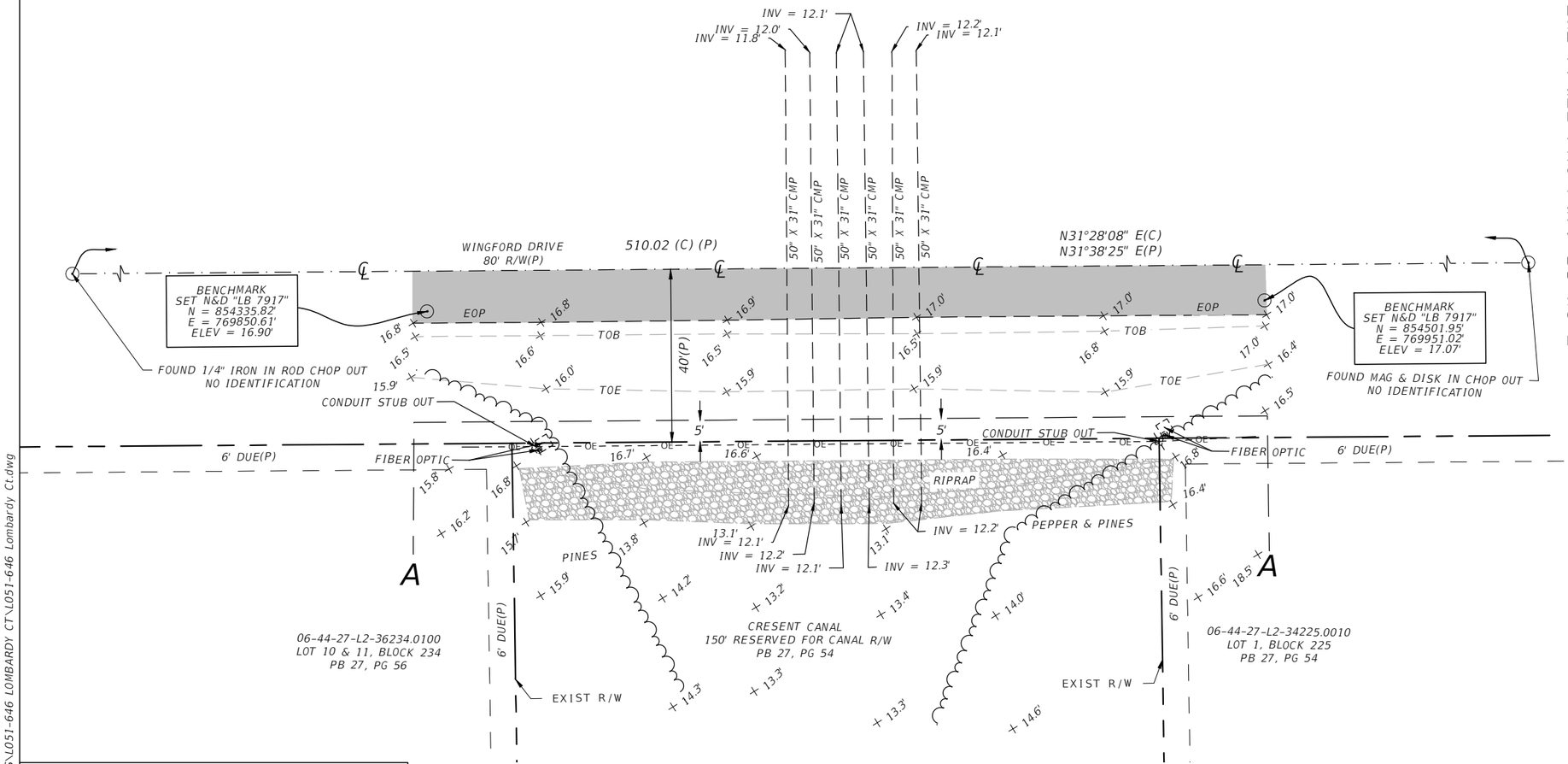
NOTES:

1. Provide fiber optic splice boxes with cable hanger racks designed to support cables and splice enclosures.
2. Install a 1'-0" wide (Min.) concrete apron around all boxes using Class NS concrete. Slope the apron away from the box.
3. Where multiple pull boxes are placed side by side, maintain at least 8" between the pull boxes.
4. Rectangular boxes shown, others similar.

9/10/2024 2:16:11 PM

LAST REVISION	REVISION	DESCRIPTION:	FY 2025-26 STANDARD PLANS	PULL AND SPLICE BOXES	INDEX	SHEET
11/01/18					635-001	1 of 1

SEE SHEET 02 FOR 1" = 20'
SECTION A-A PROFILE VIEW



0 15' 30'
(1" = 30')
Graphic Scale

Topographic Survey of a Subject Project Site

lying within

Section 6, Township 44 South, Range 27 East
Lehigh Acres, Lee County, Florida

NOTES:

Survey based on the plat of Unit 34 - Greenbriar in Plat Book 27, Page 54 and of North Part Unit 36 Greenbriar as recorded in Plat Book 27 Page 56, Public Records of Lee County, Florida and existing monumentation.

This survey prepared as a Topographic Survey for the purpose of locating the features within and adjacent to the Lehigh Acres Municipal Services Improvement District-managed facility East of Wingford Drive between Lombardy Court and Kleinart Drive.

The elevations shown hereon are referenced to the North American Vertical Datum of 1988 (NAVD 1988). All elevations are reported in US survey feet and decimals thereof and are based upon the Florida Permanent Reference Network (FPRN) stations maintained by the Florida Department of Transportation.

The subject site lies within Zone "X" per FEMA insurance rate map 125124 0317F (Published 08/28/2008), therefore has no base flood elevation.

The FEMA flood zone information indicated hereon is based on the maps supplied by the Federal Government. This flood information must be verified with all permitting regulatory entities prior to commencing any work or application dependent on said flood information.

Underground improvements, utilities and/or foundations were not located unless otherwise noted. Wetlands, if any, were not located.

Subject to easements, restrictions, reservations, and rights-of-way (recorded and unrecorded, written and unwritten).

Last day of field work: 12/18/2025

TAYLOR J. HENNINGE
License Number
7279
STATE OF FLORIDA
Professional Surveyor and Mapper

TAYLOR J. HENNINGE
PROFESSIONAL SURVEYOR AND MAPPER
FLORIDA CERTIFICATE NO. LS# 7279

Not valid without the signature and the original seal of a Florida licensed surveyor and mapper.

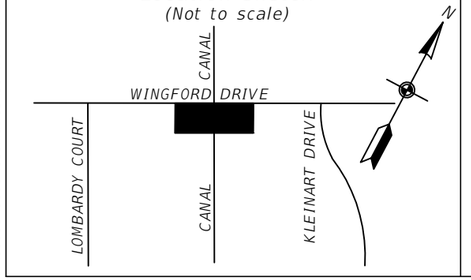
This survey is only for the lands as described. It is not a certificate of title, zoning, easements or freedom of encumbrances.

This survey was prepared without benefit of an abstract of title and all matters of title should be referred to an attorney at law.

This survey has been electronically signed and sealed by Taylor J. Henninge using a digital signature and date. Print copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Wingford Drive, Lehigh Acres

Location sketch
(Not to scale)



LEGEND:

(P)	= PER PLAT	N&D	= NAIL AND DISK
(C)	= CALCULATED	NAVD 88	= NORTH AMERICAN VERTICAL DATUM 1988
CB	= CATCH BASIN	OR	= OFFICIAL RECORDS BOOK
Δ	= DELTA ANGLE	PB	= PLAT BOOK
℄	= CENTER LINE	PG	= PAGE
CONC	= CONCRETE	R/W	= RIGHT OF WAY
CMP	= CORRUGATED METAL PIPE	RCP	= REINFORCED CONCRETE PIPE
CPP	= CORRUGATED PLASTIC PIPE	RNG	= RANGE
DUE	= DRAINAGE AND UTILITY EASEMENT	S/W	= SIDEWALK
ELEV	= ELEVATION	SEC	= SECTION
EOP	= EDGE OF PAVEMENT	TOB	= TOP OF BANK
EXIST	= EXISTING	TOE	= TOE OF SLOPE
FIRC	= FOUND IRON ROD AND CAP	TWP	= TOWNSHIP
INST#	= INSTRUMENT NUMBER	(TYP)	= TYPICAL
INV	= INVERT ELEVATION		

⊙ = FOUND MONUMENT
OE = OVERHEAD UTILITY LINE
+20.0' = SPOT ELEVATION
= WIRE PULL BOX
= SUBSURFACE UTILITY MARKER
= ELECTRICAL POLE

TOPOGRAPHIC SURVEY-PLAN VIEW

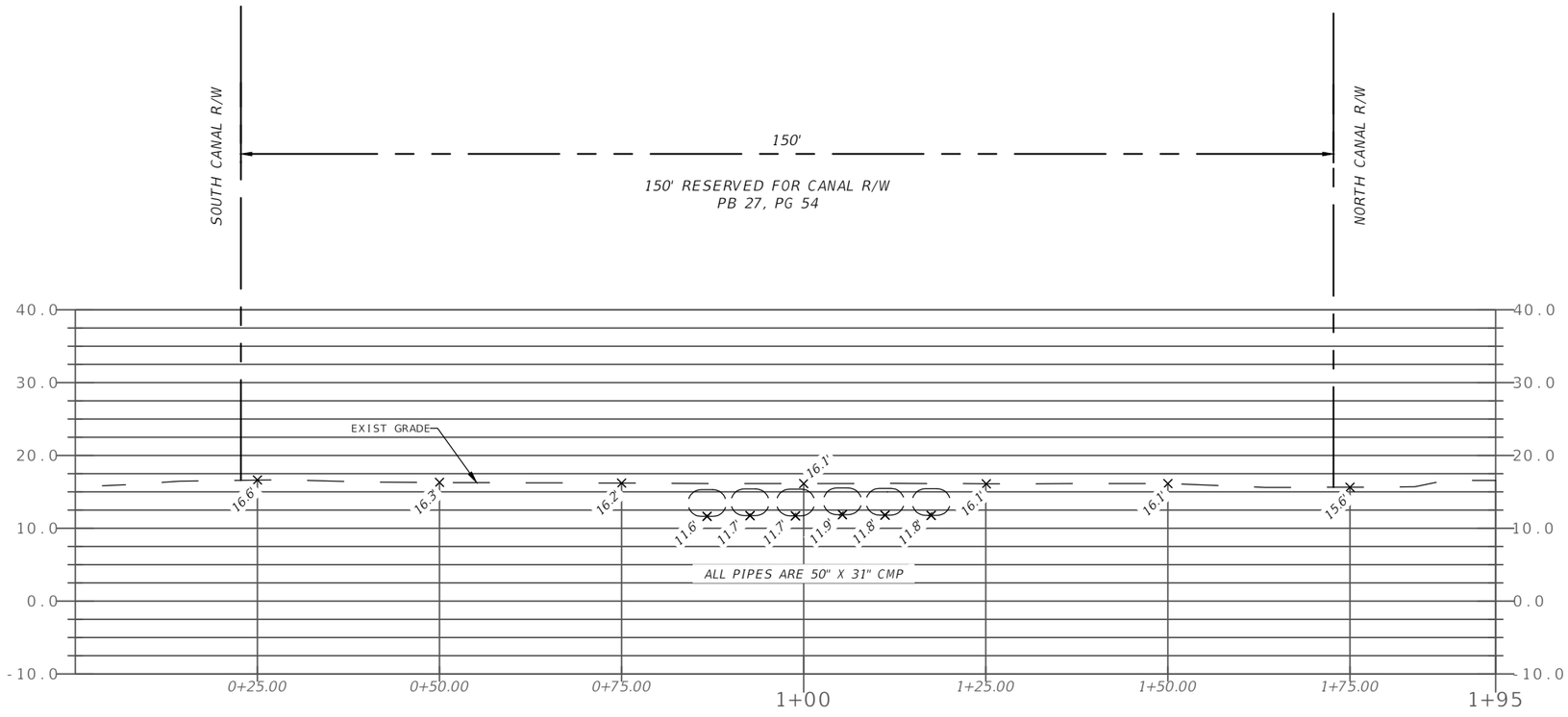
McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name:	Field book/page:	Project No.:
L051-646 Lombardy Ct.dwg	106981-3/26	106980001-L051

Survey date:	Drawn by:	Checked by:	Sheet No.:
12/18/2025	KB	TJH	01 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L051-646 LOMBARDY CT\L051-646 Lombardy Ct.dwg

Topographic Survey of a
Subject Project Site
Section 6, Township 44 South, Range 27 East
Lehigh Acres, Lee County, Florida



A-A Profile View
1" = 20' HORIZONTAL
1" = 20' VERTICAL

SEE SHEET 01 FOR LEGEND

Wingford Drive, Lehigh Acres

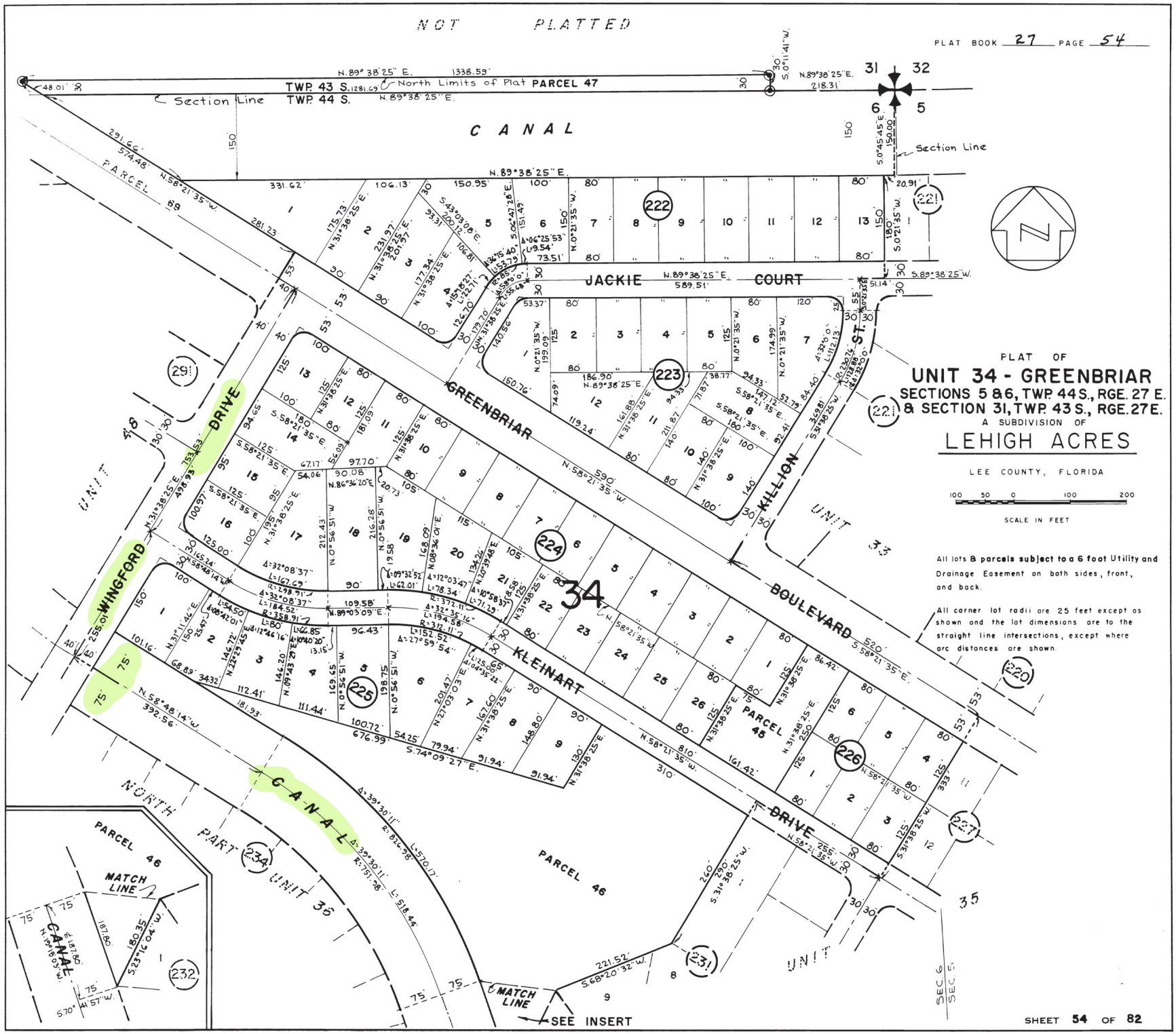
TOPOGRAPHIC SURVEY-PROFILE VIEW

McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name:	Field book/page:	Project No.:
L051-646 Lombardy Ct.dwg	106981-3/26	106980001-L051

Survey date:	Drawn by:	Checked by:	Sheet No.:
12/18/2025	KB	TJH	02 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L051-646 LOMBARDY CT\L051-646 Lombardy Ct.dwg


NOT PLATTED
PLAT BOOK 27 PAGE 54
TWP. 43 S.
TWP. 44 S.
North Limits of Plat
PARCEL 47
Section Line
CANAL
JACKIE COURT
GREENBRIAR
KILLION ST.
BOULEVARD
KLEINART
DRIVE
WINGFORD DRIVE
UNIT 48
UNIT 33
UNIT 35
NORTH PART UNIT 36
PARCEL 46
PARCEL 45
MATCH LINE
SEE INSERT
34
PLAT OF
UNIT 34 - GREENBRIAR
SECTIONS 5 & 6, TWP. 44 S., RGE. 27 E.
& SECTION 31, TWP. 43 S., RGE. 27 E.
A SUBDIVISION OF
LEHIGH ACRES
LEE COUNTY, FLORIDA
100 50 0 100 200
SCALE IN FEET
All lots & parcels subject to a 6 foot Utility and Drainage Easement on both sides, front, and back.
All corner lot radii are 25 feet except as shown and the lot dimensions are to the straight line intersections, except where arc distances are shown.
SHEET 54 OF 82

PART IV #26-103

Recommended Action

Engineering Review:

By: _____6/18/2026 **Approved _X_ Denied __**

District Field Review:

By: _____ Approved ___ Denied ___

District Manager: _____ Date: _____

Comments:

The referenced permit application submitted by Lumos Fiber of Florida, LLC for a subaqueous crossing under Cresent Canal (47-6-2) at 646 Lombardy Ct., in Lehigh Acres, has been reviewed and is recommended for approval with the following stipulations:

1. On sheet 1 of the plans, two conflicting addresses can be found at the top of the sheet, please revise the 1942 Richland Ave. address to 646 Lombardy Ct. to match the rest of the plans.

2. In addition to the address discrepancy on the plans, the permit application also uses the incorrect address for the property address. Please revise.

3. On sheet 8 of the plans, the culvert crossing detail specifies 24" minimum offset from culvert, if the detail is depicting a canal crossing, the offset should be 120" or 10'. If not, please include a note to clarify that the details do not apply to LA-MSID canal crossing.

4. Permanent above-ground cable markers must be placed at the canal right-of-way (R/W) line on each side of the crossing.

5. Any disturbed canal R/W must be restored with sod and maintained until fully established. Seeding will not be permitted.

6. Within 30 days of completing the improvements, provide LA-MSID with a copy of the survey record drawings indicating the location and elevation of utilities within the canal R/W.

7. The permittee will be responsible for any necessary repairs, alterations, or relocation of the utility if required for future maintenance or repairs of the canal.

8. Lee County DOT must review and approve any utility work proposed within the County Road R/W.

LEHIGH ACRES - MUNICIPAL SERVICES IMPROVEMENT DISTRICT PERMIT

THIS PERMIT is granted this 20th day of July, 2026, by Lehigh Acres Municipal Services Improvement District (hereinafter referred to as "DISTRICT"), 601 East County Lane, Lehigh Acres, Florida 33936, to Lumos Fiber of Florida, LLC, 4100 Mendenhall Oaks Parkway, Suite 300, High Point, NC 27265, hereinafter referred to as the "Permittee") as a non-exclusive permit for a directional bore under Crescent Canal (47-6-2), along the west side of Windermere Dr., between Wyngate Ct. & Redmont Ave., in Lehigh Acres, FL.

W I T N E S S E T H:

1. In the event the DISTRICT is not the fee title owner of the real property (the "Property") to which this Permit is applicable, the Permittee agrees, prior to commencement, to obtain all necessary consents from the fee title owners of the Property.

2. This Permit does not constitute a waiver of the necessity by the Permittee to obtain such other necessary and appropriate permits required by other governmental bodies or agencies; therefore the Permittee, prior to commencement, is required to obtain any and all other applicable federal, state, and local permits required in connection with Permittee's use of the Property and agrees that at all times it will comply with the requirements of all federal, state and local laws, ordinances, rules and regulations applicable or pertaining to the use of the Property by the Permittee.

3. Permittee understands and agrees that the use of the Property pursuant to this Permit is subordinate to the rights and interests of the DISTRICT and to the extent applicable that of the fee title owner of the Property. Further, Permittee does hereby stipulate that the Permittee is not relying upon any representations whatsoever by the DISTRICT regarding the DISTRICT'S right, title, interest, or ownership as to the Property for which this Permit is applicable.

4. The Permittee, by accepting this permit, specifically agrees to allow authorized District Personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:
    a. Having access to and copying any records that must be kept under the conditions of the permit:
    b. Reviewing the facility, equipment, practices, or operations regulated or required under this permit; and
    c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or District rules.

5. The DISTRICT specifically reserves the right to maintain its facilities located over, under or upon the Property; to make improvements; add additional facilities; maintain, construct or alter its roads; maintain any facilities, devices, or improvements on the Property which aid in or are necessary to the DISTRICT'S operation; and the right to enter upon the Property at all times for such purposes. Permittee understands that in the exercise of such rights and interest, the DISTRICT may require Permittee, at no cost to DISTRICT, to relocate, alter, or remove the Permittee's facilities and equipment or other improvements made by Permittee pursuant to this Permit which interfere with or prevent the DISTRICT, in the DISTRICT'S opinion, from properly and faithfully constructing, improving and maintaining its facilities. If the Permittee should fail to relocate, alter, or remove the Permittee's facilities, equipment or other improvements made by the Permittee pursuant to this Permit within a reasonable time period following receipt of notice from the DISTRICT requesting same, then in that event the DISTRICT shall have the right to enter upon the lands and make such relocation, alterations or removal of the Permittee's facilities, equipment/or other improvements at no cost to DISTRICT.

6. Permittee agrees that it will not use the Property in any manner which interferes with the DISTRICT'S

use of the Property or causes a hazardous condition to exist.

7. The DISTRICT assumes no responsibility for the ownership, operation and/or maintenance of the Permittee's facilities as permitted herein.

8. The Permittee agrees to backfill any excavation it makes within the Property and to repair or replace (i) any below-grade authorized facilities and features located therein, including but not limited to: water, sewer, stormwater or irrigation facilities, structures or appurtenances and (ii) as to at or above-grade facilities and features, this requirement shall only be applicable to grasses and sod, sidewalks, and roadway improvements (the term roadway improvements shall include but not be limited to curbing, roadway base, sub grade and asphaltic or concrete surfaces) which are removed or damaged as a direct result of said excavation. Such repair or replacement shall substantially restore these features to their condition as it existed immediately prior to the event precipitating the excavation.

9. All below-grade Permittee installations, including water and sewer lines, whether sub aqueous or not, together with appurtenant facilities, shall be located underground and have a minimum ground cover of thirty inches (30") below original design profile grade, including District waterways and roadways.

10. All Permittee activity related to sub aqueous utility, water and/or sewer lines, including appurtenant facilities, shall be conducted in such fashion that the primary functional purpose of the canal or lake body facility, specifically flood control, within which the activity is taking place is not adversely affected. More specifically, sub aqueous construction shall conform to the criteria given in the Lehigh Acres Municipal Services Improvement District (Lehigh Acres – MSID) Administrative Policy and Procedures.

11. Permittee shall, at no expense to DISTRICT and within a reasonable time following notice, adjust the positions and elevations of its facilities as may be required in connection with future improvements to, or construction of, works of the DISTRICT.

12. Permittee does hereby indemnify and hold harmless the DISTRICT, its Board of Commissioners, officers, personnel, and it's Engineers against any claims, losses, damages (including consequential), expenses, or legal fees that might arise out or result from the implementation of the proposed project by the Permittee or that may be caused by a failure of DISTRICT facilities or property.

13. The Permittee shall be obligated at the time of submission of its Permit application, to provide a detail of any other existing improvements located over, under, upon or through the Property and the Permittee's accompanying plans and specifications shall clearly indicate how the Permittee will comply with required clearances between the requested permitted activity and existing improvements located over, under and upon the Property, including compliance with other permitted users duly adopted and published standards.

14. Permittee shall reimburse the DISTRICT for its legal, engineering and other expenses incurred as a result of the implementation of the proposed project.

15. If Permittee should violate any of the terms or conditions of the Permit and shall not correct or remedy same within ten (10) days of receiving written notice of said violation from the DISTRICT, then in that event, the DISTRICT may, at its option, revoke, cancel and terminate this Permit.

16. This Permit may not be assigned by the Permittee without the prior written approval of the DISTRICT.

17. Unless otherwise adjusted, modified or terminated as set forth hereinabove, including the Conditions attached hereto, this Permit shall continue in full force and effect so long as Permittee complies with the

terms of this Permit.

18. In any litigation, including breach, enforcement or interpretation arising out of this Permit, the prevailing party to this Permit shall be entitled to recover reasonable attorney's fees, costs and expenses related to said action from the non-prevailing party.

19. That attached hereto are Supplemental Conditions to this Permit which are incorporated herein and made a part hereof.

LEHIGH ACRES – MUNICIPAL SERVICES IMPROVEMENT DISTRICT

BY: _____

NAME TYPED: David E. Lindsay

TITLE: District Manager

SUPPLEMENTAL CONDITIONS TO PERMIT NO. 26-104

A. GENERAL CONDITIONS

1. Notification shall be given by the Permittee to the District Engineer, AIM Engineering, at 239-332-4569 forty-eight (48) hours prior to commencement of the permitted activity. The District Engineer shall establish points of construction, if applicable, which will require inspection by the District Engineer prior to construction of the permitted activity. When the Permittee considers the permitted activity complete, the Permittee shall notify the District Engineer and schedule an on-site final inspection which shall be held in the presence of a representative of the Permittee and the District Engineer.

2. The permitted activity shall be implemented, constructed and/or installed in full accordance with the approved plans and specifications within six (6) full calendar years from the date of permit approval. Deviations from the approved plans or specifications shall be coordinated with and approved by the District Engineer prior to implementation of any such deviation.

3. When working in a District road right-of-way, not more than one-half (½) of the road or street shall be closed and traffic shall be controlled so as to provide for the safety and minimum hindrance to the public. All traffic control operations shall conform to the most current issue of the Florida Department of Transportation publication "Manual on Traffic Controls and safe Practices for Street and Highway Construction, Maintenance and Utility Operations."

4. The District Engineer shall be the final authority as to the quality and quantity of the material and works required to satisfy the terms and conditions of this Permit as they relate to District improvements and facilities.

5. Upon completion of the permitted activity and after its final review and acceptance by the District Engineer THE PERMITTEE SHALL DELIVER TO THE DISTRICT OFFICE ONE COMPLETE SET OF THE FINAL "RECORD DRAWINGS." FAILURE TO PROVIDE THE FINAL RECORD DRAWINGS MAY RESULT IN THE REVOCATION, CANCELLATION AND TERMINATION OF THIS PERMIT.

6. The above Conditions shall be continuing obligations of the Permittee and shall be complied with in the event of any subsequent maintenance, repair, replacement or modification of the permitted improvement.

Stipulations:

1). Permit #26-104 is approved according to the plans submitted May 28th, 2026.

2). The proposed directional bore must maintain a minimum clearance of 10 feet below the bottom elevation of the canal for the entire 150' within the canal right of way.

3). Permanent utility markers, (at least 4' high) with the utility companies contact information clearly labeled on it, must be installed at each canal right of way line over top the proposed line.

4). All guy wires, poles, pull boxes, etc. must be located outside of the canal right of way and not interfere with the District's canal maintenance activities.

5). All canal R/W that is disturbed must be restored with sod and maintained until well established (no seeding will be allowed).

6). Boring contractor is not allowed to pump water out of the LAMSID canals for their boring operations unless they apply for and receive a water use permit from LAMSID.

7). The Permittee will be responsible for any repairs, alterations, or relocation of the utility if required for repairs or maintenance of the canal in the future.

8). Provide LAMSID with a copy of your record drawings and a copy of your bore depth logs showing where your utilities are located within the canal R/W and at what elevation they are located, within 30 days following completion of the improvements.

9). Lee County DOT must review and approve the utility work that is outside of the canal right of way along Windermere Dr.

PART I

DATE SUBMITTED: 05 - 28 - 26

PERMIT #: 26 - 104

APPLICATION FOR A PERMIT

*Note: The review of permit applications will be conducted per the Lehigh Acres Municipal Services Improvement District's Administrative Policy and Procedures

AGENT NAME: TEP-OPCO, LLC **PHONE #:** (502)7187956

PROJECT NAME: U38576 - CRESENT CANAL - 606 WINDERMERE DR-LA-MSID-1

TOTAL ACREAGE: N/A

Property Address (STRAP associated with this address will be used as the primary STRAP for this project): 606 WINDERMERE DR					
Mailing Address:					
City:	LEHIGH ACRES	**State:**	FL	**Zip:**	33972

STRAP NUMBERS (*attach additional sheet if necessary*):

0	6	-	4	4	-	2	7	-	L	3	-	3	7	0	0	0	-	0	5	2	0
		-			-			-			-						-				
		-			-			-			-						-				
		-			-			-			-						-				
		-			-			-			-						-				

Brief description of proposed project:

Application for:

Directional bore placing 150' of (2) 1.25" HDPE SDR 11 Conduit Equipped with (1) 288-CT Microfiber Optic cable under Cresent Canal along the West side of Windermere Dr between Wyngate Ct and Redmont Ave.

Is the project proposed to be developed in phases? ☐ Yes ☑ No

Estimated # of Phases:	1
***Permit Fee:**	$ 3,000.00 **(to be verified by staff)**

* See Administrative Policy and Procedures Sections 4.15 – 4.17 for current Permit Fee Amount.

RECEIVED
MAY 28 2026
LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

PART II

OWNER/APPLICANT/ DEVELOPER INFORMATION

A.

Name of Applicant	Lumos Fiber of Florida, LLC						
Mailing Address:	**Street:**	4100 Mendenhall Oaks Parkway, Suite 300					
City:	High Point	**State:**	NC		**Zip:**	27265	
Phone No.	**Area Code:**	515	**Number:**	306 - 3403	**Ext.**		
Fax No.	**Area Code:**		**Number:**	-			
E-mail Address:	william.kiefer@lumosfiber.com						

B. **Relationship of applicant to property*:**

☐ **Owner*** ☐ **Trustee*** ☐ **Option holder*** ☐ **Lessee***

☐ **Contract Purchaser*** ☑ **Other (indicate)*** Utility

C.

Name of Developer:						
Mailing Address:	**Street:**					
City:		**State:**		**Zip:**		
Phone No.	**Area Code:**	( )	**Number:**	-	**Ext.**	
Fax No.	**Area Code:**	( )	**Number:**	-		
E-mail Address:						

D.

Name of Authorized Agent(s):	TEP OPCO, LLC.					
Mailing Address:	**Street:**	5906-A Breckenridge Pkwy				
City:	Tampa	**State:**	FL	**Zip:**	33610	
Phone No.	**Area Code:**	(502)	**Number:**	552 - 2733	**Ext.**	
Fax No.	**Area Code:**	( )	**Number:**	-		
E-mail Address:	FL-permitting@tepgroup.net					

E.

Name of Property Owner:						
Mailing Address:	**Street:**					
City:		**State:**		**Zip:**		
Phone No.	**Area Code:**	( )	**Number:**	-	**Ext.**	
Fax No.	**Area Code:**	( )	**Number:**	-		
E-mail Address:						

*A disclosure of the name of all persons or entities having an ownership interest in the property is required (attached).

PART III

DISCLOSURE OF OWNERSHIP INTEREST FORM FORM:

PRIMARY STRAP NUMBER: | | - | | - | | - | | - | | | | | - | | | | |

1. If the property is owned in the fee simple by an **INDIVIDUAL**, tenancy by the entirety, tenancy in common, or joint tenancy, list all parties with an ownership interest as well as the percentage of such interest.

Name and Address	Percentage of Ownership
N/A	

2. If the property is owned by a **CORPORATION**, list the officers and stockholders and the percentage of stock owned by each.

Name, Address, Office	Percentage of Stock
N/A	

3. If the property is in the name of a **TRUSTEE**, list the beneficiaries of the trust with percentages of interest.

Name and Address	Percentage of Interest
N/A	

4. If the property is in the name of a **GENERAL PARTNERSHIP OR LIMITED PARTNERSHIP**, list the names of general and limited partners.

Name and Address	Percentage of Interest
N/A	

5. If there is a **CONTACT FOR PURCHASE**, whether contingent on this application Or not, and whether a Corporation, Trustee, or Partnership, list the names of the contract purchasers below, including the officers, stockholders, beneficiaries, or partners.

Name and Address	Percentage of Interest
N/A	

Date of Contract (mm/dd/yy): / /

6. If any contingency clause or contract terms involve additional parties, list all individuals or officers, if a corporation, partnership, or trust.

Name and Address	Percentage of Interest
N/A	

For any changes of ownership of changes in contracts for purchase subsequent to the date of the application, but prior to the date of final certificate for compliance, a supplemental disclosure of interest must be filed.

The above is a full disclosure of all parties of interest in this application, to the best of my knowledge and belief.

William Kiefer
SIGNATURE OF APPLICANT

William Kiefer
PRINTED OR TYPED NAME OF APPLICANT

STATE OF FLORIDA
COUNTY OF LEE

The foregoing instrument was acknowledged before me this 20 day of MAY (m), 2026 (y), by WILLIAM KIEFER who is personally know to me or has produced _____ as identification.

NOTARY PUBLIC STATE OF FLORIDA
MCKAYLA MARIE MCFADDEN
MY COMMISSION # HH 624042
EXPIRES: December 26, 2028

SIGNATURE OF NOTARY PUBLIC

MCKAYLA MCFADDEN
PRINTED NAME OF NOTARY PUBLIC

PART IV

EXPLANATION

All Permit Application sections must be completed and submitted.

Permit Application fees and submittal items (see Part VI) must be submitted with the application.

Any and all work involving the lands and/or facilities of the District shall not commence without a Board approved permit.

All set policies, procedures, technical requirements, and fee schedules can be found and reviewed in the 'Administrative Policy and Procedures Guide'. The Guide is available at the District Office located at 601 East County Lane, Lehigh Acres, FL or online at la-msid.com/.

PART V

PROFESSIONAL CONSULTANT FORM

ATTORNEY

Name:							
Mailing Address:							
City:		**State:**				**Zip:**	
Business No.	**Area Code:**	( )	**Number:**	-		**Ext.**	
Other Contact:							

ENGINEER

Name:	TEP-OPCO, LLC JOSH CARDEN						
Mailing Address:	326 Tyron Road						
City:	Raleigh	**State:** NC				**Zip:**	27603
Business No.	**Area Code:**	(336)	**Number:**	214 -2099		**Ext.**	
Other Contact:							

OTHER REPRESENTATIVE/PROFESSIONAL

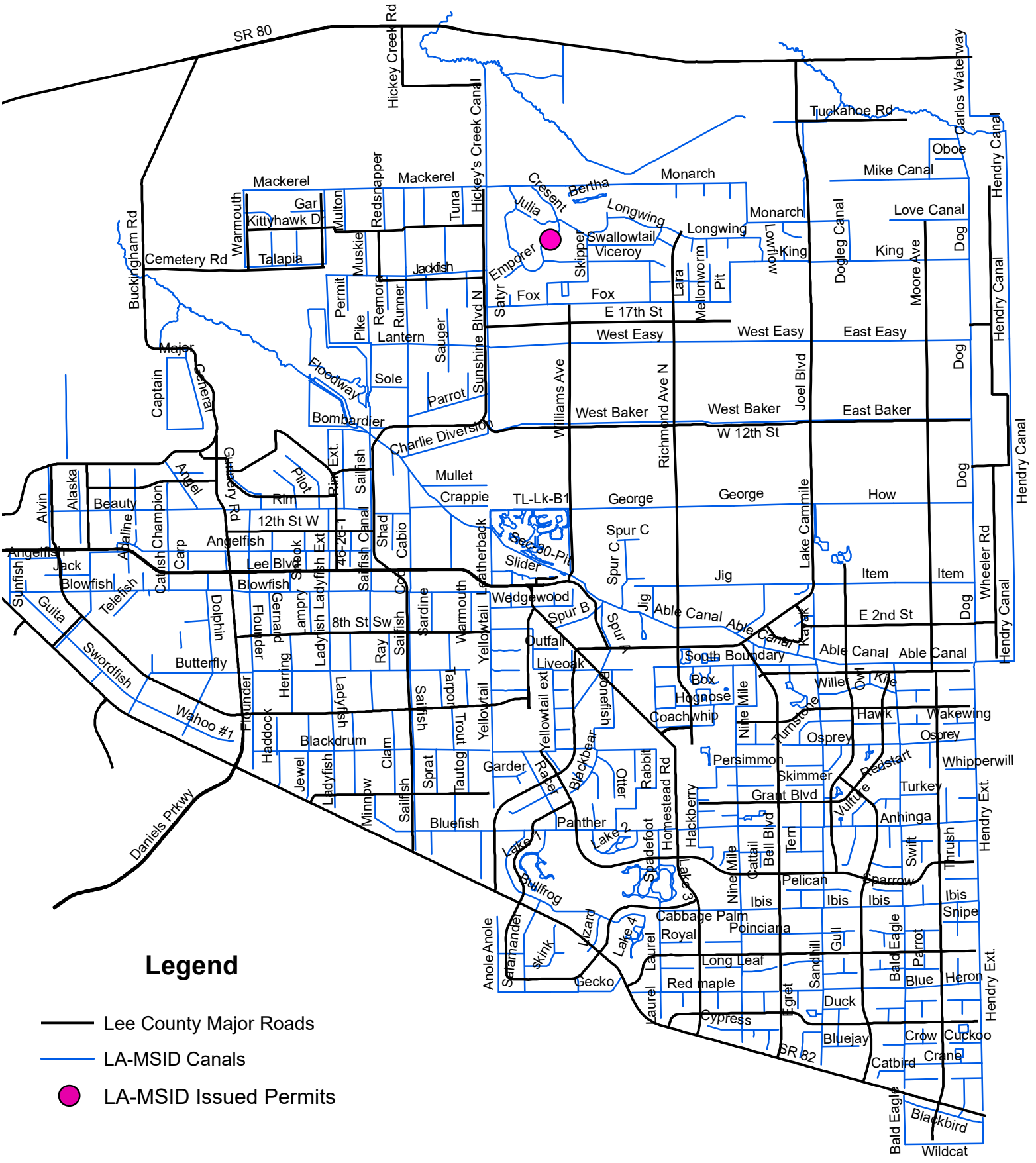
Name:	McKim & Creed						
Mailing Address:	5701 Division Drive, Suite A						
City:	Fort Myers	**State:**	FL			**Zip:**	33905
Business No.	**Area Code:**	(239)	**Number:**	275 - 8875		**Ext.**	
Other Contact:							

PART VI

SUBMITTALS

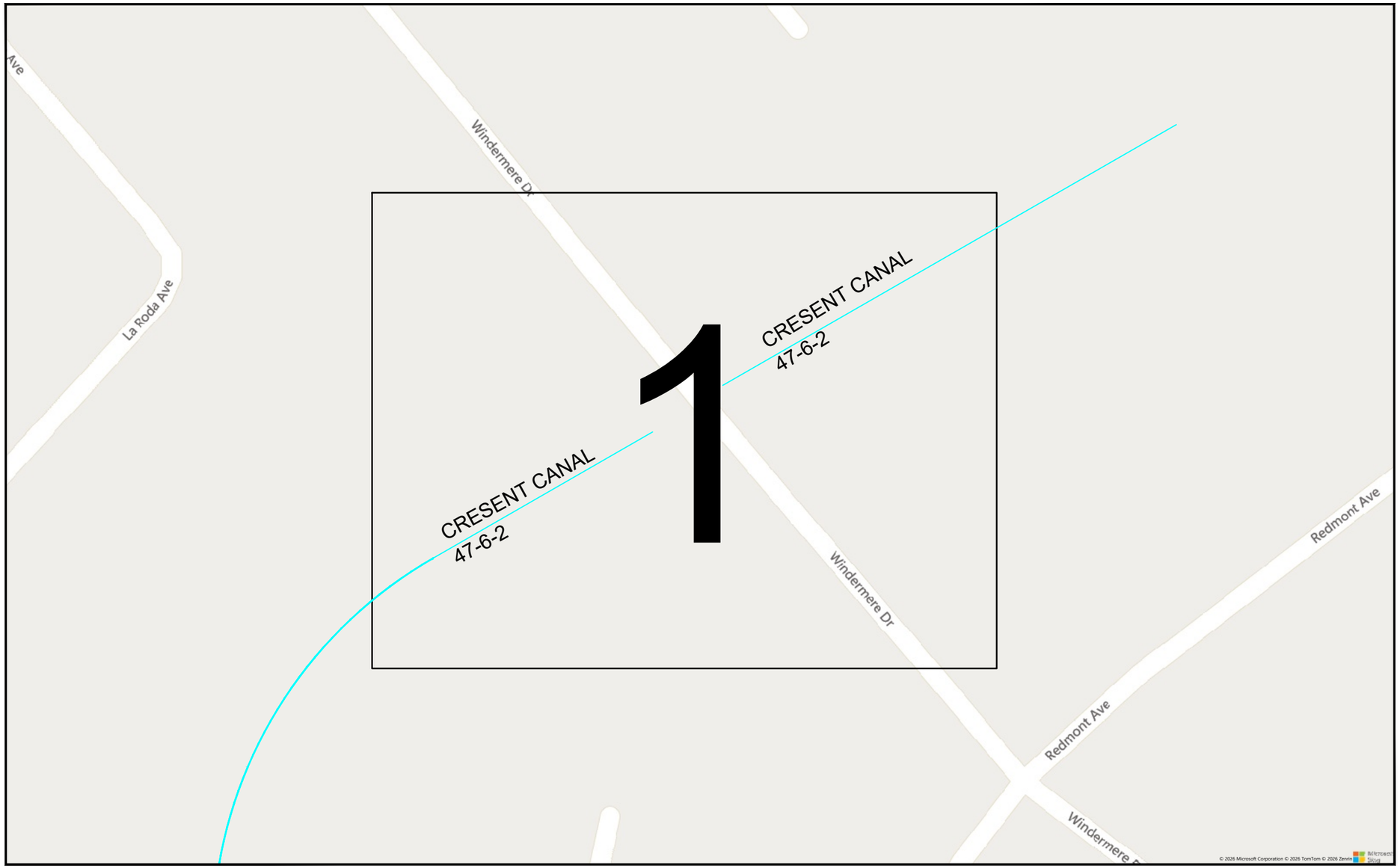
NO. OF COPIES		SUBMITTAL DOCUMENT
SUB'D	REQ'D	
		ITEMS REQUIRED FOR INITIAL SUBMITTAL
	2	**Construction/Development Plans** signed and sealed by a Licensed Florida Professional Engineer including: 1. Location map showing the location of the proposed project in relation to adjacent streets and LA-MSID facilities. 2. Details of proposed works that fully communicate the work and/or use desired (i.e. Existing Conditions Survey, Proposed Site Plan, Paving Grading & Drainage Plan, Cross Sections, Element Details, and Erosion Control Plan sheets). 3. Sufficient survey data to determine elevations, property and ROW lines, limits of existing and proposed conditions, and notation of utilized vertical datum (NAVD/NGVD).
	2	**Stormwater Drainage Calculations** signed and sealed by a Licensed Florida Professional Engineer including, but not limited to, computer stormwater routing modeling data (ICPR4, Cascade, etc.) to verify compliance with the Design Criteria (input summary data below): **Water Quality Volume (Required):** _____(ACRE-FT) **Water Quality Volume (Provided):** _____(ACRE-FT) **Control Elevation:** _____(FT-NGVD) **Minimum Road/Parking Elevation:** _____(FT-NGVD) *(above the 10-year, 1-day design storm peak stage elevation)* **Minimum Perimeter Berm Elevation:** _____(FT-NGVD) *(above the 25-year, 3-day design storm peak stage elevation)* **Minimum Finished Floor Elevation:** _____(FT-NGVD) *(above the 100-year, 3-day design storm peak stage elevation and previously experienced high-water levels external to project)*
	2	**Flash Drive / CD** containing plans in both AutoCAD (.dwg file drawn in "State Plane Coordinates") and PDF formats.
	2	**Permit Application** (PARTS I & II)
	2	**Disclosure of Owner Form (signed and notarized)** (PART III)
	2	**Professional Consultant Form & Submittals** (PARTS V & VI)
	2	**Copy of Approved FDEP Notice of Intent (NOI)** for all sites one (1) acre and greater in size.
	2	**Copy of approved SWFMD permit**, for all sites required to get a permit, **or FDEP "10/2 Self-Certification"** approval.
	1	**Check for appropriate Permit Fees** made out to LA-MSID.

Permit # 2026-104



U38576 - CRESENT CANAL - 606 WINDERMERE DR-LA-MSID-1

606 WINDERMERE DR, LEHIGH ACRES, FL 33972 (26.676912, -81.650709)



Know what's below
Call before you dig.

N

PERMIT #:

PROJECT DESCRIPTION

- BURIED PLACEMENT OF 293' OF (2) 1.25" HDPE SDR 11 CONDUIT EQUIPPED WITH (1) 288-CT MICROFIBER OPTIC CABLE. (2) PROPOSED HANDHOLES.
- PIPE TO BE INSTALLED BY MEANS OF HORIZONTAL DIRECTIONAL DRILLING AND HAND DIGGING METHODS.
- ALL AREAS DISTURBED BY INSTALLATION TO BE RESTORED TO EXISTING OR BETTER CONDITION.

SHEET INDEX

A - COVER SHEET
B - SOW & CONTACTS
C - LEGEND
D1-D2 - GENERAL NOTES
E - CONSTRUCTION NOTES
F-H - TYPICALS
1- 1 - PROJECT SHEETS
1A - PROFILE VIEW
I1 - I2 - IMAGES

lumos

TEP

5906 BRECKENRIDGE PKWY, SUITE A
TAMPA, FL 33610

TEP IS A FAMILY OF COMPANIES LICENSED TO PROVIDE DIFFERENT SERVICES IN DIFFERENT JURISDICTIONS. DEPENDING ON THE JURISDICTION, PROFESSIONAL ENGINEERING AND LAND SURVEYING SERVICES ARE PROVIDED BY TEP OPCO LLC, A DELAWARE LIMITED LIABILITY COMPANY, TEP ENGINEERING, PLLC, A NORTH CAROLINA PROFESSIONAL LIMITED LIABILITY COMPANY, OR M&H ENGINEERING, PLLC, A NEW YORK PROFESSIONAL LIMITED LIABILITY COMPANY. GENERAL CONTRACTOR SERVICES ARE PROVIDED BY TEPDB OPCO LLC, A DELAWARE LIMITED LIABILITY COMPANY. WE ACQUIRE THE REQUISITE LICENSES IN EACH STATE. ADDITIONAL INFORMATION CAN BE OBTAINED FROM THE COMPANY. THESE DRAWINGS ARE INTENDED TO DEPICT FIBER OPTIC CABLES, CONDUITS, AND RELATED INFRASTRUCTURE WITHIN THE PUBLIC RIGHT-OF-WAY (R/W) OR AREAS WITH VALID, RECORDED EASEMENTS OR LEASES, HOWEVER R/W LOCATIONS ARE BASED SOLELY ON GEOGRAPHIC INFORMATION SYSTEMS (GIS) DATA FROM THE LOCAL JURISDICTION. SURVEYS TO VERIFY R/W OR PROPERTY BOUNDARIES WERE NOT PERFORMED. WHERE INSTALLATION ROUTES EXTEND BEYOND THE R/W, THE UTILITY OWNER/OPERATOR IS SOLELY RESPONSIBLE FOR SECURING AND PROVIDING ALL NECESSARY EASEMENTS, LEASES, OR PROPERTY RIGHTS PRIOR TO CONSTRUCTION. CONTRACTORS SHALL RELY ON THE UTILITY OWNER/OPERATOR'S DOCUMENTATION AND ARE RESPONSIBLE FOR ENSURING THAT CONSTRUCTION OCCURS ONLY WITHIN AUTHORIZED AREAS. TEP, THE ENGINEER, DESIGNER, AND CREATOR OF THESE DRAWINGS ASSUME NO RESPONSIBILITY OR LIABILITY FOR UNAUTHORIZED PLACEMENT OF UTILITIES OUTSIDE THE PUBLIC R/W OR ON PRIVATE PROPERTY WITHOUT PROPER LEGAL AUTHORIZATION. ALL INSTALLATIONS MUST COMPLY WITH APPLICABLE LAWS AND REGULATIONS.

TEP OPCO, LLC
5906-A Breckenridge Pkwy, Tampa, FL 33610
FL COA# 31011
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REV	DESCRIPTION	INITIALS	DATE
0	ORIGINAL	DC	05/12/2026

TEP OPCO, LLC FL COA# 31011

JOSHUA H. CARDEN LICENSE No 83511 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 12th, 2026

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SHEET TITLE:
COVER PAGE

PROJECT MANAGER:	SHAINE HERRICK
PROJECT ENGINEER:	DARIA COSTIN
PROJECT NUMBER:	U38576
DESCRIPTION:	606 WINDERMERE DR
DRAWING NAME:	U38576 - CRESENT CANAL - 606 WINDERMERE DR-LA-MSID-1
SHEET:	A of 1

CONFIDENTIAL/PROPRIETARY

SCOPE OF WORK

- BURIED PLACEMENT OF 293' OF (2) 1.25" HDPE SDR 11 CONDUIT EQUIPPED WITH (1) 288-CT MICROFIBER OPTIC CABLE. (2) PROPOSED HANDHOLES.
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- ALL AREAS DISTURBED BY INSTALLATION TO BE RESTORED TO EXISTING OR BETTER CONDITION.

UTILITY OWNER CONTACTS

LUMOS
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Jason Bush
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Phone: (850) 428-1313

ENGINEERING COMPANY

TEP OPCO, LLC
5906 BRECKENRIDGE PKWY, SUITE A
TAMPA, FL 33610

DIRECTOR - OSP OPERATIONS:
ALEX MORA
OFFICE : 704-751-1123
AMORA@TEPGROUP.NET

PROJECT MANAGER:
SHAINE HERRICK
SHERRICK@TEPGROUP.NET

UTILITIES CONTACTS

CENTURYLINK
BILL MCCLOUD
(850) 815-3144

COMCAST
CHAD EVENER
(941) 356-1564

FLORIDA POWER & LIGHT--LEE
FPL CABLE LOCATIONS-DISTRIBUTION SDD/MPE - EDGAR.AGUILAR@FPL.COM, JAMIE.PURNELL@FPL.COM

LUMOS FIBER OF FLORIDA, LLC
JASON BUSH
(850) 428-1313
JASON.BUSH@LUMOSFIBER.COM

FLORIDA GOVERNMENTAL UTILITIES AUTHORITY - LEHIGH
POTABLE WATER/SANITARY SEWER
LINA MARIA QUINTERO, PE
(727) 858-2396

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT
MICHAEL COOK
(239) 368-0044 Ext. 16
MCOOK@LA-MSID.COM
STORM WATER/CANALS

LEE COUNTY DEPARTMENT OF TRANSPORTATION (DOT)
COMMERCIAL RIGHT OF WAY USE PERMIT
(239) 533-8580
ROADS

FDOT
DISTRICT 1 - COUNTIES: CHARLOTTE, COLLIER, DESOTO, GLADES, HARDEE, HENDRY, HIGHLANDS, LEE, MANATEE, OKEECHOBEE, POLK, SARASOTA
801 N. BROADWAY AVENUE
BARTOW, FLORIDA 33830
PHONE: (800) 292-3368
PHONE: (239) 225-1900

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TEP OPCO, LLC FL COA# 31011

JOSHUA H. CARDEN LICENSE No 83511 STATE OF FLORIDA PROFESSIONAL ENGINEER

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SHEET TITLE:
SOW & CONTACTS

PROJECT MANAGER:	SHAINE HERRICK
PROJECT ENGINEER:	DARIA COSTIN
PROJECT NUMBER:	U38576
DESCRIPTION:	606 WINDERMERE DR
DRAWING NAME:	U38576 - CRESENT CANAL - 606 WINDERMERE DR-LA-MSID-1
SHEET:	B of 1

CONFIDENTIAL/PROPRIETARY

LEGEND

LINETYPES

- UG FIBER – EXISTING
- UG FIBER – PROPOSED
- AERIAL FIBER – EXISTING
- AERIAL FIBER – PROPOSED
- COMMUNICATION (COM)
- RECLAIM WATER (RCW)
- DITCH
- GUARDRAIL
- ROAD CENTERLINE
- EASEMENT (ESMT)
- GAS (G)
- WATER (W)
- TELEPHONE (T)
- ELECTRIC (E)
- SANITARY SEWER (SEW)
- STORM DRAIN (SD)
- FENCE (X)
- CABLE TV (TV)
- STEAM (STM)
- OIL (OIL)
- UNKNOWN UTILITY (UNK)
- RIGHT OF WAY (R/W)
- EDGE OF PAVEMENT (EOP)
- SIDEWALK (S/W)

SYMBOL / DESCRIPTION

SYMBOL	DESCRIPTION
BP	BORE PIT
EOP	EDGE OF PAVEMENT
EOTW	EDGE OF TRAVEL WAY
FOC	FIBER OPTIC CABLE
HDPE	HIGH DENSITY POLYETHYLENE
HH	HANDHOLE
JB	JUNCTION BOX
MH	MANHOLE
MP	MILE POST
O/S	OFFSET
PVC	POLY VINYL CHLORIDE
RGS	RIGID GALVANIZED STEEL CONDUIT
ROW	RIGHT OF WAY
S/W	SIDEWALK
STA.	STATION

- CB — CABINET
- P — PEDESTAL
- E — ELECTRIC
- EM — ELECTRIC METER
- MH — MANHOLE
- R — RISER
- T — TELEPHONE
- P — POWER VAULT
- CATCH BASIN/INLET
- FIRE HYDRANT
- GROUND/BOND
- STREET LIGHT
- TREE
- CULVERT
- WING WALL
- BRIDGE
- U — MISC. UTILITY
- UTILITY POLE – EXISTING
- OWNER ID — POLE – PROPOSED
- HH — HANDHOLE – EXISTING
- HH — HANDHOLE – PROPOSED
- PD — PEDESTAL – PROPOSED
- MKR — PROMARK DOME MARKER POST
- BORE PIT – PROPOSED

- 0' — AERIAL STORAGE – EXISTING
- 0' — AERIAL STORAGE – PROPOSED
- 0' — VAULT/BUILDING STORAGE – EXISTING
- 0' — VAULT/BUILDING STORAGE – PROPOSED
- POLE ANCHOR/DOWN GUY – EXISTING
- POLE ANCHOR/DOWN GUY – PROPOSED
- PROPOSED DOWN GUY ON EXISTING ANCHOR
- FDP / NAME / SIZE / LOCATION — TERMINATION – EXISTING
- FDP / NAME / SIZE / LOCATION — TERMINATION – PROPOSED
- BUILDING / NAME / STREET — BUILDING CALLOUT – PROPOSED
- MANUFACTURER NAME — SPLICE POINT – EXISTING
- MANUFACTURER NAME — SPLICE POINT – PROPOSED

#F		
	IN:	0
	OUT:	0

SEQUENTIAL CALLOUT

#F		
	IN:	0
	TAIL:	0

SEQUENTIAL IN TAIL CALLOUT

#F		
	TAIL:	0
	OUT:	0

SEQUENTIAL TAIL OUT CALLOUT

POLE NO	N/A
UTILITY1	0'–0"

POLE ATTACHMENT CALLOUT – EXISTING
USE DYNAMIC PULL DOWN TO SELECT
FROM 1 TO 6 ATTACHMENTS

POLE NO	N/A
UTILITY1	0'–0"

POLE ATTACHMENT CALLOUT – PROPOSED
USE DYNAMIC PULL DOWN TO SELECT
FROM 1 TO 6 ATTACHMENTS

lumos

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SHEET TITLE: LEGEND

PROJECT MANAGER:	SHAINE HERRICK
PROJECT ENGINEER:	DARIA COSTIN
PROJECT NUMBER:	U38576
DESCRIPTION:	606 WINDERMERE DR
DRAWING NAME:	U38576 - CRESENT CANAL - 606 WINDERMERE DR-LA-MSID-1

SHEET: C of 1

CONFIDENTIAL/PROPRIETARY

GENERAL NOTES

GENERAL NOTES

CONTRACTOR MUST OBTAIN LOCATES PRIOR TO DISTURBING THE GROUND.

CONTRACTOR MUST HAVE A COPY OF THE APPROVED PERMIT FROM THE APPROPRIATE AGENCY ON THE JOBSITE AT ALL TIMES.

ALL CABLE WILL BE PLACED AT A MINIMUM DEPTH OF 36" DEEP UNLESS OTHERWISE DIRECTED BY A REPRESENTATIVE OF THE UTILITY OWNER.

ANY LANDSCAPING WILL BE REPLACED TO EQUAL OR BETTER THAN THAT WHICH EXISTED PRIOR TO WORK, 72 HOURS AFTER COMPLETION OF WORK.

PROJECT SITE WILL BE PROPERLY SECURED PRIOR TO THE END OF EACH DAY.

ALL WORK IS TO BE IN ACCORDANCE WITH ALL AUTHORITIES HAVING JURISDICTION IN THE WORK ZONE.

CONTRACTORS ARE ADVISED TO CONTACT THE PROJECT MANAGER FOR ANY ADDITIONAL INFORMATION OR CLARIFICATION CONCERNING SCOPE OF WORK OR THE REQUIREMENTS NECESSARY FOR PROJECT COMPLETION.

CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY ALL DIMENSIONS, QUANTITIES AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION. IF A SIGNIFICANT CHANGE TO THE RUNNING LINE IS NEEDED, PLEASE CONTACT THE PROJECT MANAGER BEFORE PROCEEDING.

BEFORE CONSTRUCTION BEGINS, CONTRACTOR SHALL TAKE APPROPRIATE PRECAUTIONS TO AVOID ANY POTENTIAL OBSTRUCTIONS PRIOR TO PROCEEDING WITH WORK.

NO CONSTRUCTION ON PRIVATE PROPERTY WILL COMMENCE UNTIL APPROVAL IS GIVEN BY A REPRESENTATIVE OF THE UTILITY OWNER.

CONTRACTOR SHALL NOT PROCEED WITH WORK UNTIL THEY HAVE RECEIVED A PURCHASE ORDER AND HAVE BEEN DIRECTED TO DO SO BY AN AUTHORIZED REPRESENTATIVE OF THE UTILITY OWNER.

CONTRACTOR SHALL NOT EXCEED THE PURCHASE ORDER VALUE WITHOUT AUTHORIZATION IN WRITING FROM THE APPROPRIATE REPRESENTATIVE OF THE UTILITY OWNER.

AS-BUILTS WILL BE REQUIRED FOR EACH PROJECT INCLUDING CABLE FOOTAGE SEQUENTIALS AT EVERY ACCESS POINT, SLACK LOOP, SPLICE LOCATION, POLE AND TERMINATION POINT. CONTRACTOR SHOULD ALSO PROVIDE NOTES OF ALL CHANGES IN DEPTHS, RUNNING LINES, MH/HH LOCATIONS, AND ANY OTHER APPLICABLE NOTES TO DEPICT THE WORK THAT TOOK PLACE. NOTE: ALL MAJOR CHANGES NEED TO BE PRE-APPROVED BY AN AUTHORIZED REPRESENTATIVE OF THE UTILITY COMPANY PRIOR TO STARTING THE WORK.

SITE CONDITIONS

THE ACTUAL LOCATION OF EXISTING CONDUIT AND CABLES MAY VARY FROM THE LOCATION SHOWN. REPAIR OF ANY DAMAGED CONDUIT CONTAINING CABLE SHALL BE MADE BY USE OF PVC SPLIT DUCT. THE CONTRACTOR SHALL ENCLOSE THE EXISTING CABLES IN PVC.

THE LOCATIONS OF EXISTING UTILITIES SHOWN IN THIS PLAN ARE APPROXIMATE. WHEN WORK IS TO BE CONDUCTED IN THE VICINITY OF KNOWN UTILITIES, THEIR ACTUAL LOCATION MUST BE FIELD VERIFIED TO AVOID CONFLICTS OR DAMAGE TO THOSE UTILITIES. VARIATION IN LOCATION BETWEEN "RECORDED POSITIONS" AND ACTUAL POSITIONS SHOULD BE ANTICIPATED.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES. BURIED UTILITIES MAY EXIST IN THE AREA IN ADDITION TO THOSE SHOWN ON THE PLAN. THE CONTRACTOR SHALL CONTACT PROPERTY OWNERS WHEN WORKING WITHIN PRIVATE EASEMENTS FOR LOCATION OF UNDERGROUND TANKS, PIPELINES, DRAIN TILES, OR OTHER BURIED IMPROVEMENTS. THE CONTRACTOR SHALL ALSO NOTIFY THE UTILITY NOTIFICATION CENTER PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITIES.

THE CONTRACTOR MUST ASSUME ALL BURIED UTILITIES ENCOUNTERED ARE ALIVE AND ACTIVE UNLESS SPECIFICALLY INSTRUCTED OTHERWISE BY OWNERS OR OPERATORS OF SAID UTILITIES.

DAMAGE TO SUB-SURFACE STRUCTURES IS THE SOLE RESPONSIBILITY OF THE PLACING CONTRACTOR.

THE CONTRACTOR SHALL PROTECT THE EXISTING TRAFFIC CONTROL LOOPS. IF EXISTING TRAFFIC CONTROL LOOPS ARE DAMAGED DURING CONSTRUCTION, THE ENTIRE LOOP WIRE FROM TERMINAL TO TERMINAL SHALL BE REPLACED IN ACCORDANCE WITH GOVERNING AGENCY STANDARDS AND REGULATIONS AT CONTRACTOR'S EXPENSE.

REMOVAL OF EXISTING ASPHALT PAVEMENT, CONCRETE CURBS, AND CONCRETE SIDEWALKS WILL BE "NEAT LINE" WITH SAW OR PAVEMENT CUTTER, PER REQUIREMENTS AND SPECIFICATIONS OF THE AGENCY OR DEPARTMENT RESPONSIBLE FOR EACH LOCATION. IF CONCRETE PAVEMENT IS ENCOUNTERED WHILE EXCAVATING CONDUIT TRENCHES, THE CONCRETE REMOVAL WILL BE "NEAT LINE" WITH A PAVEMENT SAW.

IF CONCRETE CURB RETURNS AND/OR SIDEWALKS ARE REPLACED DUE TO CONDUIT OR MANHOLE INSTALLATION, THE CONTRACTOR SHALL PLACE APPROVED HANDICAPPED SIDEWALK AND CURB ACCESS RAMPS IN CONFORMANCE WITH THE APPROPRIATE STATE STATUTES.

ALL MATERIALS NECESSARY FOR THE REPAIR OF STREETS, CURBS, SIDEWALKS, SANITARY SEWERS, STORM SEWERS, AND PUBLIC SERVICE UTILITIES, AND THE INSTALLATION OF SUCH MATERIALS SHALL BE IN CONFORMANCE WITH THE REQUIREMENTS AND SPECIFICATIONS OF THE AGENCY OR DEPARTMENT RESPONSIBLE FOR THE OPERATION AND MAINTENANCE OF THE REPAIRED FACILITY.

ALL WORK SHALL CONFORM TO THE SPECIFICATIONS OF THE JURISDICTIONAL PERMIT AGENCY.

ALL OPEN TRENCH WILL BE CLEARLY MARKED WITH BARRICADES OR CONES. STEEL PLATES OR OTHER TYPES OF BRIDGING SHALL BE PROVIDED TO COVER OPEN TRENCH IN THE TRAVEL PORTION OF THE STREETS. THESE PLATES OR BRIDGING SHALL BE ADEQUATE TO SUPPORT THE NORMAL VEHICLE LOADS ANTICIPATED IN THIS AREA AND SHALL BE IN PLACE DURING ALL NON-WORKING AREAS.

ALL SURFACES TO BE RESTORED TO ORIGINAL CONDITION, AND BACKFILL TO BE COMPACTED AS SPECIFIED. TRENCH EXCAVATION IN SURFACES WHICH INCLUDE CONCRETE TREATED BASE SHALL FOLLOW LOCAL AREA SPECIFICATIONS.

HAZARDOUS MATERIALS

THE CONTRACTOR SHALL NOTIFY THE JURISDICTIONAL PERMIT AGENCY IMMEDIATELY IF ANY MATERIALS ARE ENCOUNTERED THAT ARE CONSIDERED HAZARDOUS BY THE EPA, DEQ, OR OSHA. IF POTENTIALLY HAZARDOUS MATERIALS ARE ENCOUNTERED THE CONTRACTOR SHALL SECURE THE SITE AND PREVENT THE ACCIDENTAL EXPOSURE BY THE PUBLIC OR THE CONTRACTOR'S PERSONNEL.

THE CONTRACTOR MAY EXCAVATE UP TO, BUT SHALL NOT DISTURB KNOWN HAZARDOUS MATERIALS SUCH AS ASBESTOS, OILS, ACID, ETC. THE REMOVAL OF ALL HAZARDOUS MATERIALS MUST BE DONE BY AN APPROVED OR CERTIFIED HAZARDOUS MATERIALS CONTRACTOR LICENSED IN THE APPROPRIATE STATE.

A COPY OF ALL CORRESPONDENCE PERTINENT TO THE REMOVAL OF HAZARDOUS MATERIALS SHALL BE TRANSMITTED TO OWNER AND A COPY SHALL BE AVAILABLE AT THE PROJECT OFFICE AND THE JOB SITE.

AERIAL NOTES

- AERIAL CONSTRUCTION TO BE PERFORMED TO INDUSTRY ACCEPTABLE STANDARDS.
- ALL HEIGHTS OF CABLE PLACEMENT WILL BE RECORDED AT TIME OF CONSTRUCTION. DOCUMENT ALL POINTS OF ATTACHMENT.
- ALL EXTENSION ARMS TO BE PLACED WILL BE EPOXY ARMS UNLESS OTHERWISE NOTED OR APPROVED BY THE INSPECTOR.
- BOND STRAND TO POWER MGN WHERE APPLICABLE. ANCHORS TO BE USED WILL BE 3/4 SCREW IN TYPE.
- ALL STRAPS WILL BE PLACED 4" BEFORE AND AFTER EVERY SUPPORTING CLAMP AT A MINIMUM OF 21" APART.
- P.O.A. = POINT OF ATTACHMENT.
- ADD MISSING GROUNDS.
- REPAIR/REPLACE EXISTING LASHING WIRE IF DAMAGED.

CONSTRUCTION STAKING

IN AREAS WHERE THE CONDUIT ALIGNMENT IS NOT CLEARLY DEFINED BY CURB LINES, FENCE LINES, OR OTHER EVIDENCE OF THE RIGHT-OF-WAY, THE ENGINEER WILL PROVIDE CENTERLINE STAKES OR PAINT MARKS WHERE REQUIRED TO MAKE THE PROPOSED CONDUIT ALIGNMENT EVIDENT.

MANHOLE CENTERS WILL BE FIELD STAKED BY THE ENGINEER WHEN REQUESTED WITH OFFSET STAKES AT RIGHT ANGLES (90°) TO THE CONDUIT ALIGNMENT.

CLOSURES IDENTIFIED IN THE PLANS SHALL BE LOCATED BY THE CONTRACTOR. DEVIATION FROM PLAN LAYOUT SHALL BE APPROVED BY THE ENGINEER PRIOR TO CONDUIT AND/OR CLOSURE INSTALLATION.

IF ADDITIONAL, FIELD STAKING OR LOCATION OF CONDUITS, MANHOLES, PROPERTY LINES, ETC., BECOMES NECESSARY, THE CONTRACTOR IS TO NOTIFY THE INSPECTOR OR THE ENGINEER TWO WORKING DAYS PRIOR TO BEGINNING THE WORK.

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GENERAL NOTES

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PROJECT ENGINEER:	DARIA COSTIN
PROJECT NUMBER:	U38576
DESCRIPTION:	606 WINDERMERE DR
DRAWING NAME:	U38576 - CRESENT CANAL - 606 WINDERMERE DR-LA-MSID-1

SHEET:
D1 of 1

CONFIDENTIAL/PROPRIETARY

GENERAL NOTES

PERMITS - FRANCHISES - EASEMENTS

PHYSICAL WORK SHALL NOT BE STARTED UNTIL THE GOVERNING AGENCY INSPECTOR AND THE CONTRACTOR ARE IN POSSESSION OF AND HAVE CAREFULLY REVIEWED AND FULLY UNDERSTAND ALL CONDITIONS AND SPECIFICATIONS SET FORTH IN THE REQUIRED PERMITS, FRANCHISES, AND/OR EASEMENTS.

PLACING FOREMAN TO HAVE A COPY OF THE PERMITS/EASEMENTS ON SITE AT ALL TIMES.

ANY CONFLICT BETWEEN WORK PRINT SPECIFICATIONS AND SPECIFICATIONS SET FORTH UNDER RELATED PERMITS, FRANCHISES, AND/OR EASEMENTS MUST BE CLEARED BY PROPER COMPANY AUTHORITY BEFORE PROGRESSING WITH WORK INVOLVED

TRAFFIC CONTROL

THIS PROJECT WILL INVOLVE WORKING ALONG A MAJOR ARTERIAL ROAD AND HEAVY TRAFFIC VOLUME SHOULD BE ANTICIPATED.

UNIFORM TRAFFIC FLOW SHALL BE MAINTAINED AT ALL TIMES. ONLY EQUIPMENT AND MATERIALS NECESSARY FOR IMMEDIATELY SCHEDULED OR IN PROGRESS WORK WILL BE MAINTAINED IN THE WORK AREA. ALL OTHER EQUIPMENT AND MATERIALS WILL BE "STORED OR STOCKPILED" IN SUCH A MANNER AS TO ELIMINATE HAZARDOUS CONDITIONS FOR TRAFFIC OR PEDESTRIANS DURING NON-WORKING OR SHUT DOWN PERIODS.

TRAFFIC WARNING DEVICES AND SIGNS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (U.S. GOVERNMENT PRINTING OFFICE) AND TO THE STATE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION. HIGH LEVEL WARNING TYPE DEVICES ARE TO BE USED AT ALL TIMES AND SPECIAL WARNING DEVICES MAY BE STIPULATED BY THE JURISDICTIONAL PERMIT AGENCY AT ANY TIME THE USE WILL ADD TO THE SAFETY AND PROTECTION OF TRAFFIC OR PEDESTRIANS IN THE CONSTRUCTION AREA.

ALL CONDUIT TRENCHING IN PAVED AREAS SHALL BE BACKFILLED WITH CRUSHED GRAVEL OR COMPLETELY COVERED AT THE COMPLETION OF EACH WORKING DAY. ANY BACKFILLED TRENCH SHALL BE CAPPED WITH A MINIMUM LAYER OF ASPHALTIC CONCRETE COLD PATCH AT THE END OF EACH WORKING DAY.

THE CONTRACTOR SHALL MARK THE CONDUIT TRENCH AND DEFINE HIS CONSTRUCTION AREA CLEARLY WITH BARRICADES, CONES, AND/OR OTHER VISIBLE METHODS THAT ALERT THE PUBLIC OF THE CONSTRUCTION ACTIVITY.

A TRAFFIC CONTROL PLAN SHALL BE PREPARED BY THE CONTRACTOR AS REQUIRED AND SUBMITTED TO EACH PERMITTING AGENCY REQUESTING SUCH PLAN FOR REVIEW AND APPROVAL OR REVISION PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITY FOR THIS PROJECT. THE APPROVED PLAN SHALL BE SUBMITTED TO THE AGENCY AND A COPY OF THE PLAN SHALL BE KEPT AT THE CONSTRUCTION SITE AND MUST BE READILY AVAILABLE REVIEW BY THE AGENCY REPRESENTATIVES.

SPECIAL UTILITY CLEARANCES

ALL WORK CONDUCTED ADJACENT TO WATER MAINS SHALL CONFORM TO THE FOLLOWING CONDITIONS:

A. WHEREVER POSSIBLE CONDUIT SHALL MAINTAIN A HORIZONTAL SEPARATION OF 3.0 FEET, MEASURED SURFACE TO SURFACE (OUTSIDE EDGE TO OUTSIDE EDGE), FROM PARALLEL WATER MAINS.

B. WHEREVER POSSIBLE, CONDUIT SHALL PASS UNDER EXISTING WATER MAINS AND MUST MAINTAIN 24" VERTICAL CLEAR SEPARATION. CONDUITS PASSING OVER WATER MAINS MUST ALSO MAINTAIN THE 24" VERTICAL SEPARATION.

C. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING THIS REQUIRED VERTICAL SEPARATION BY EITHER EXPOSING THE WATER MAIN EVERY 100 FEET IN THOSE AREAS WHERE HORIZONTAL SEPARATION IS LESS THAN 3.0 FEET OR BY UTILIZING THE DEPTHS OF ADJACENT WATER VALVES. IF THE CONTRACTOR UTILIZES THE ADJACENT WATER TO DETERMINE WATER MAIN DEPTH, HE SHALL CONTACT THE AGENCY AT EACH SUCH LOCATION AND THE AGENCY WILL DETERMINE THE NECESSARY DEPTH OF THE TOP OF THE CONDUIT AT THAT POINT.

D. THE VERTICAL AND HORIZONTAL SEPARATION SHALL BE MAINTAINED AT ALL TIMES UNLESS SPECIFICALLY REVISED BY AGREEMENT BETWEEN THE JURISDICTIONAL PERMIT AGENCY AND THE AGENCY ANY SPECIFIC DEVIATION IN VERTICAL AND HORIZONTAL SEPARATION FROM THOSE DESCRIBED SHALL BE REPORTED TO THE OWNER BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING VERTICAL AND HORIZONTAL SEPARATION AT ALL TIMES AND SHALL BE RESPONSIBLE FOR ANY AND ALL ENCROACHMENTS.

E. CLEARANCES TO STORM SEWERS AND SANITARY SEWERS SHALL BE EXACTLY THE SAME AS THOSE TO WATER MAINS.

STRUCTURE PROTECTION

MANHOLES AND CONDUIT TO BE PLACED ADJACENT TO EXISTING STRUCTURES SUCH AS BRIDGE BRIDGE FOOTINGS/PIERS, BUILDING FOUNDATIONS, WALLS, POWER AND TELEPHONE POLES, AND OTHER UTILITIES SHALL MAINTAIN A MINIMUM CLEARANCE AS SHOWN. THE CONTRACTOR SHALL NOT UNDERMINE ANY ADJACENT STRUCTURE WITHOUT SPECIFIC WRITTEN PERMISSION FROM THE OWNER/OPERATOR OF SUCH STRUCTURE.

SHORING USED AS FOUNDATION SUPPORT SHALL BE DESIGNED SPECIFICALLY FOR BOTH THE LIVE AND DEAD LOADS OF THE STRUCTURE, OR IF ONLY THE DEAD LOAD IS USED FOR DESIGN, THE CONTRACTOR SHALL PROVIDE A DETAILED LAYOUT AND PLAN OF THE METHOD OF ESTABLISHING AND MAINTAINING THE DESIGN LOAD CONDITIONS (I.E., ROAD DETOURS, TIEBACKS, ETC.).

SEE UTILITY CLEARANCE SECTION NOTES FOR CLEARANCE CRITERIA TO PARALLEL OR CROSS UTILITIES.

EXISTING UTILITIES EXPOSED DURING EXCAVATION SHALL BE 100% SUPPORTED BY EITHER TRENCH BRIDGING AND SUSPENSION OR BY THE USE OF LONGITUDINAL TRAYS OR PLATFORMS VERTICALLY SUPPORTED BY ADJUSTABLE BUILDING JACKS.

EXISTING SPLICE CASES AND CABLES SHALL BE SUPPORTED BY SUSPENSION FROM A CROSSING BEAM. SUPPORTS SHALL BE PLACED AT A MAXIMUM SPACING OF 4.0 FEET AND SHALL CONSIST OF A CANVAS SLING WITH NYLON BELTING OR ROPE. ALL CABLE SUPPORTS SHALL BE PLACED IN A MANNER THAN PREVENTS KINKS OR OTHER DAMAGE TO THE CABLE SHEATH.

AN ACCEPTABLE ALTERNATIVE TO CABLE SLINGS WOULD BE THE UTILIZATION OF A WIDE FLANGE "I" BEAM OR CHANNEL AS A "CABLE TRAY" WITH THE CABLES/CASES BANDED IN PLACE.

SHORING

THE CONTRACTOR SHALL PROVIDE SHORING FOR CONDUIT TRENCH EXCAVATION 42" OR MORE IN DEPTH AS MEASURED FROM THE HIGH SIDE OF THE TRENCH AND FOR ALL MANHOLE EXCAVATION.

MANHOLE SHORING SHALL BE TIGHT-SHEETED.

ALL SHORING SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF LOCAL COUNTY AND THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA).

SHORING SHALL BE DESIGNED TO MEET H-20 HIGHWAY LOADING.

THE CONTRACTOR SHALL PROVIDE ALL SHORING AND DESIGN CALCULATIONS TO THE PERMIT ISSUING AGENCY PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITY.

UTILITY NOTE:

EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND BASED ON AVAILABLE RECORDS, VERBAL INFORMATION AND/OR PHYSICAL FEATURES. PRIOR TO CONSTRUCTION (AT LEAST 72 HOURS OR THE MORE RESTRICTIVE MINIMUM NOTIFICATION PERIOD), THE CONTRACTOR SHALL CONTACT SUNSHINE 811 TO ALLOW MARKING OF EXISTING BURIED UTILITIES WITHIN THE SCOPE OF THE PROPOSED WORKZONE.

SOFT DIGS &/OR POTHOLING SHALL BE REQUIRED BY CONTRACTOR TO IDENTIFY EXISTING UTILITY DEPTHS.

MINIMUM 24" SEPARATION SHALL BE MAINTAINED FROM ALL EXISTING UTILITIES UNLESS SUPERVISED.

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5906 BRECKENRIDGE PKWY, SUITE A
TAMPA, FL 33610

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REV	DESCRIPTION	INITIALS	DATE
0	ORIGINAL	DC	05/12/2026

TEP OPCO, LLC FL COA# 31011

JOSHUA H. CARDEN LICENSE No 83511 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 12th, 2026

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Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

SHEET TITLE:
GENERAL NOTES

PROJECT MANAGER:	SHAINE HERRICK
PROJECT ENGINEER:	DARIA COSTIN
PROJECT NUMBER:	U38576
DESCRIPTION:	606 WINDERMERE DR
DRAWING NAME:	U38576 - CRESENT CANAL - 606 WINDERMERE DR-LA-MSID-1

SHEET:
D2 of 1

CONFIDENTIAL/PROPRIETARY

FDOT CONSTRUCTION NOTES

1. Aerial crossings of State roads involving temporary lane closures are to be done between the hours of 12:00 am and 5:00 am Monday through Thursday unless previously approved by the Department.

2. When directional bore is the method of installation, a minimum 24-inch separation shall be maintained from all existing utilities unless supervised, ITS/ATMS lines, and storm drain systems while maintaining the minimum required depth under pavement or non-paved ground.

3. If the proposed utility cannot be installed per the approved permitted plan and by FDOT specifications, a revised plan must be provided to the Department for review and approval prior to the installation of products or materials at the given locations where conflicts occur.

4. Any new proposed plan shall include cross sections, plan views and profiles of the State road adequately reflecting all right-of-way features including but not limited to existing utilities, storm drain systems and any above or below ground appurtenances where applicable.

5. No pedestrian pathway is to be removed, blocked, or disturbed without having a sufficient designated temporary pedestrian pathway with all appropriate pedestrian maintenance of traffic signs (Index 660) in-place prior to pathway being affected.

6. All temporary pedestrian pathways must be firm and unyielding.

7. Any sidewalk disturbed will be replaced by section within 72 hours to FDOT specifications.

8. Any sidewalk fronting the property that is cracked, damaged or unstable and is creating an ADA trip hazard must be replaced by section, using Standard #520-001, #522-002, and #522-001 for the construction of sidewalk and meet current ADA Standards. All concrete placed in the right of way shall be a minimum of 6" thick, FDOT Certified Class 1 non-structural, 57 stone, 2500 PSI concrete, with fiber mesh material from a FDOT approved plant.

9. FDOT reserves the right to make adjustments to any permitted method of installation, scope of work, and restoration that may be required to positively support life, safety, and environmental well-being of all users of the transportation system.

10. The Permittee shall notify the FDOT of date of completion, request a final inspection, and a Notice of Final Acceptance.

11. All construction and/or maintenance in the FDOT right-of-way shall conform to the Federal Manual on Uniform Traffic Devices (MUTCD), the FDOT Roadway and Traffic Design Standards, the Standard Specifications for Road and Bridge Construction, the Florida Design Manual, and the Drainage Manual.

12. Prior to removal of existing curb or driveway, the edge of travel shall be sawcut to avoid damaging the existing roadway asphalt. All concrete to be removed in FDOT right-of-way shall be sawcut and removed from the nearest joint.

13. No lane closure of any State roadway is allowed without a minimum of two (2) weeks advance notification and approval from FDOT.

14. Lane closures must be limited to Sunday through Thursday 8:00 pm to 5:30 am unless otherwise approved by FDOT.

15. Any sidewalk damaged because of work being performed in association with the Permittee and Contractor shall be removed and replaced with 6-inch thick Class 1 non-structural, 2,500 PSI with fiber mesh.

16. Open cutting of any roadway, driveway or sidewalk outside those limits identified within the permit are not allowed without prior approval of by FDOT.

17. The Contractor shall have an authorized person available at/or near the work site on a 24-hour basis, 7 days a week in order to address emergency issues associated with the project.

18. No stockpiling, storing or semi-permanent use of the right-of-way is authorized unless specifically identified within the permit.

19. No work shall be performed during the weeks of any State or Federal holiday unless otherwise approved in writing by FDOT.

20. The permitted work schedule is defined as Monday through Friday 7:00 am to 5:30 pm unless otherwise noted within the permit. Any work desired outside of this period must be requested in advance and approved before working the alternate schedule.

21. When work is associated with roadway modifications and/or site development, the Contractor is required to have a preconstruction meeting with the FDOT inspector two weeks prior to any construction beginning within the right-of-way.

22. All work performed under this permit within the right-of-way is to be scheduled with FDOT inspection staff.

23. Roadway restoration shall utilize 100 PSI excavatable flowable fill material and asphalt placed within the State right-of-way shall be placed full-depth, two 2.5-inch lifts of SP 12.5, two 1.5-inch lifts of SP 9.5. Typical sections will need to be provided within the plans for the pavement placement. A stair step method should be incorporated, prior to placing asphalt, to avoid vertical joints. Milling of the patch may be required based on the patched surface performance. The milling shall be utilized for surface leveling to a thickness equal to or greater than the existing friction coarse material. The milling limits are 50-foot of the patch along the longitudinal path of the lane, full lane width and to include any adjacent bike lanes, shared path or urban shoulder sections.

24. Any disruptions to any permeable pedestrian way and bike lane are to be restored as work continues. All patches shall be full width from outside edge of pedestrian path to white line edge of travel lane with stair step (staggered) joints. Restoration to include backfill with existing sub-grade material and #57 stone as base material (compact in 6-inch lifts) to bottom of existing pervious asphalt base, followed by permeable design mix (if available) or FC-5 (Friction Course) mix with a minimum 2-inch and maximum 3-inch lifts. Maintain ingress/egress on all drives and side streets during construction.

25. Any bore pit greater than five (5) feet in depth requires a Sheeting and Shoring Plan as well as a Dewatering Plan.

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SHEET TITLE:
CONSTRUCTION NOTES

PROJECT MANAGER:	SHAINE HERRICK
PROJECT ENGINEER:	DARIA COSTIN
PROJECT NUMBER:	U38576
DESCRIPTION:	606 WINDERMERE DR
DRAWING NAME:	U38576 - CRESENT CANAL - 606 WINDERMERE DR-LA-MSID-1

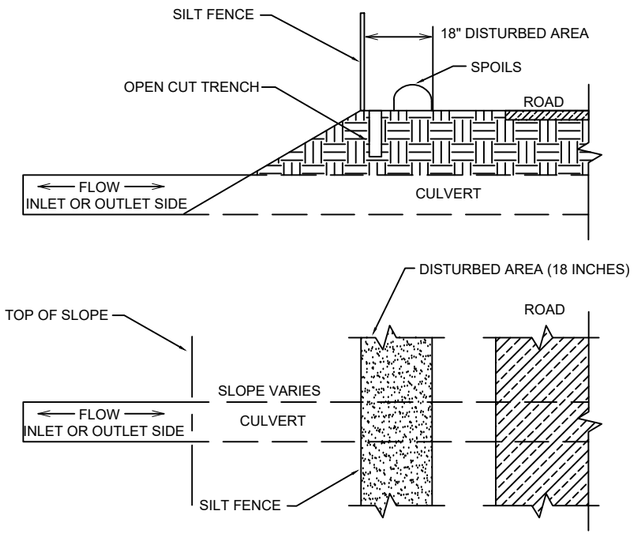
SHEET:
E of 1

CONFIDENTIAL/PROPRIETARY

TYPICALS

CULVERT CUT OVER ON ROADSIDE SHOULDER

NOT TO SCALE



GENERAL NOTES

1. INSTALL SILT FENCE TO PROTECT DOWNSTREAM AREAS FROM SEDIMENTATION PRIOR TO CONSTRUCTION.
2. INSTALL SILT FENCE AS NEEDED TO PROTECT DRAINAGE FEATURES, BUT NO LESS THAN 10' ON EITHER SIDE OF CULVERT.

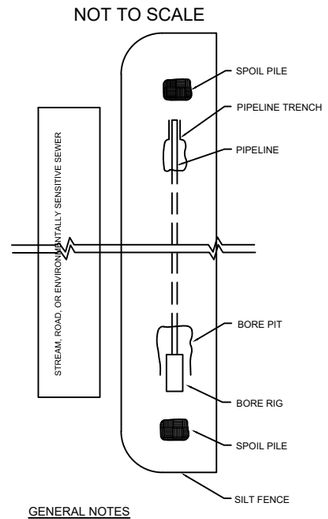
MAINTENANCE NOTES

INSPECT CULVERT CROSSING STRUCTURES WEEKLY AND AFTER EACH SIGNIFICANT RAINFALL EVENT (0.5" OR GREATER) TO SEE IF ANY EROSION AROUND OR BELOW THE SILT FENCE HAS OCCURRED, IMMEDIATELY MAKE ALL NEEDED REPAIRS TO PREVENT FURTHER DAMAGE.

*REF: 6.41.5 NC Erosion and Sediment Control Planning and Design Manual, 2006

DIRECTIONAL BORE DETAIL (PARALLEL)

NOT TO SCALE

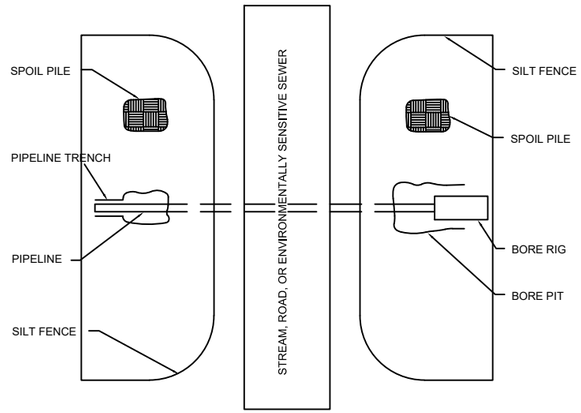


GENERAL NOTES

1. BORE PITS AND SPOILS PILES SHALL BE ENCLOSED ON THREE SIDES AS SHOWN WITH SILT FENCE

DIRECTIONAL BORE DETAIL (TRAVERSE)

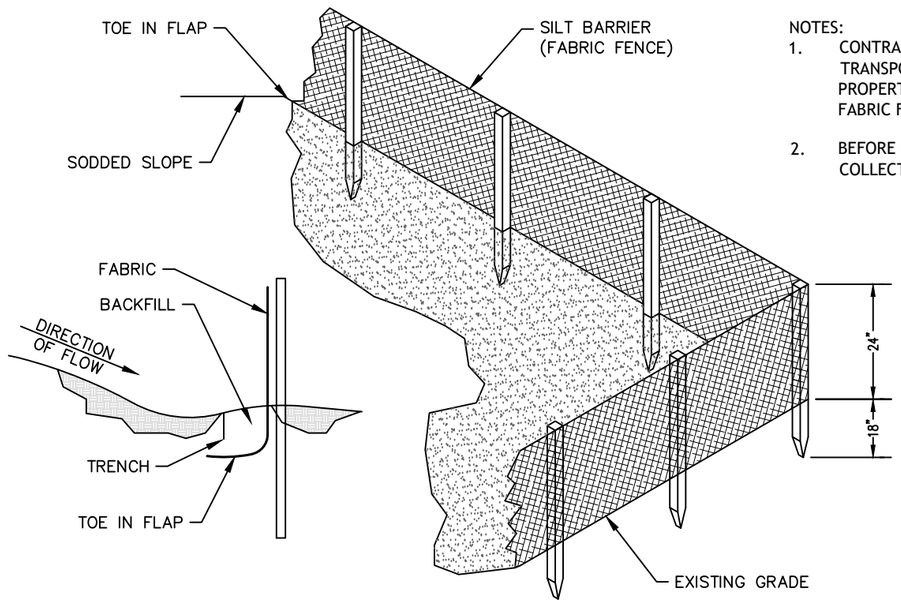
NOT TO SCALE



GENERAL NOTES

1. BORE PITS AND SPOILS PILES SHALL BE ENCLOSED ON THREE SIDES AS SHOWN WITH SILT FENCE

FABRIC FENCE SILT - BARRIER



NOTES:

1. CONTRACTOR IS REQUIRED TO PREVENT ANY SEDIMENT TRANSPORT FROM THE PROJECT SITE ON TO ADJACENT PROPERTY. INSTALLATION OF EITHER BALED HAY OR FABRIC FENCE TYPE SILT BARRIER IS ACCEPTABLE.
2. BEFORE REMOVING SILT BARRIER, CONTRACTOR SHALL COLLECT AND DISPOSE OF ANY ACCUMULATED SILT.

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SHEET TITLE: TYPICALS

PROJECT MANAGER:	SHAINE HERRICK
PROJECT ENGINEER:	DARIA COSTIN
PROJECT NUMBER:	U38576
DESCRIPTION:	606 WINDERMERE DR
DRAWING NAME:	U38576 - CRESENT CANAL - 606 WINDERMERE DR-LA-MSID-1

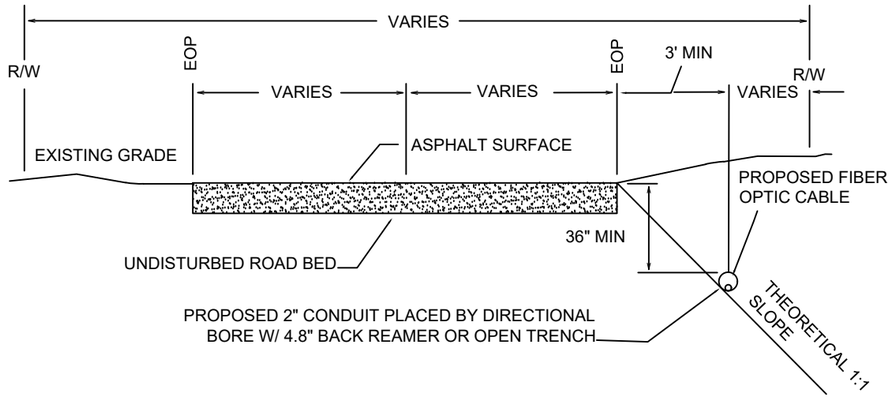
SHEET: F of 1

CONFIDENTIAL/PROPRIETARY

TYPICALS

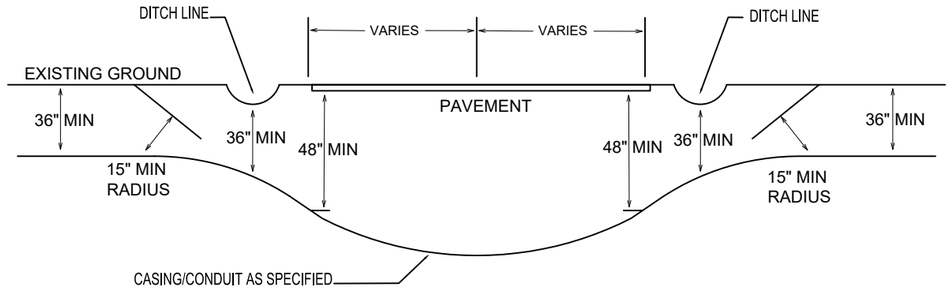
PARALLEL CONDUIT DETAIL FOR FDOT RIGHT-OF-WAY

NOT TO SCALE



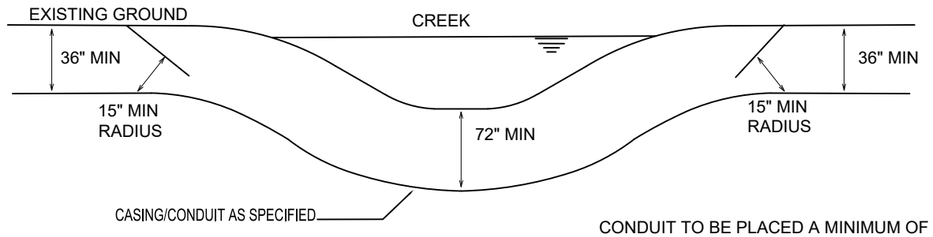
DIRECTIONAL BORE UNDER SECONDARY ROADWAY

NOT TO SCALE



DIRECTIONAL BORE UNDER CREEK BED

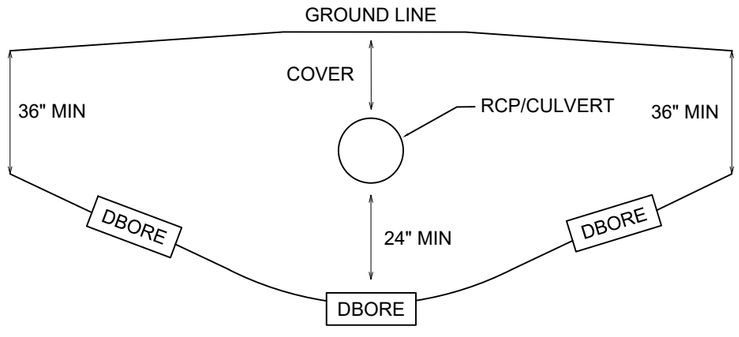
NOT TO SCALE



CONDUIT TO BE PLACED A MINIMUM OF 6 FEET BELOW CREEK BED

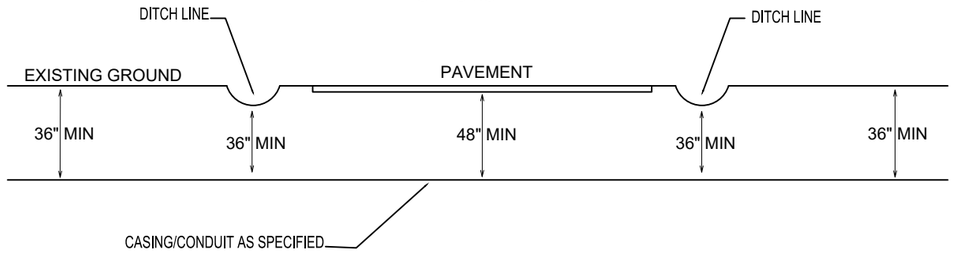
CULVERT CROSSING DETAIL

NOT TO SCALE



DRY BORE UNDER ROADWAY

NOT TO SCALE



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TEP OPCO, LLC — FL COA# 31011

JOSHUA H. CARDEN LICENSE No 83511 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 12th, 2026

This item has been digitally signed and sealed by JOSHUA H. CARDEN on the date adjacent to the seal.

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SHEET TITLE: TYPICALS

PROJECT MANAGER:	SHAINE HERRICK
PROJECT ENGINEER:	DARIA COSTIN
PROJECT NUMBER:	U38576
DESCRIPTION:	606 WINDERMERE DR
DRAWING NAME:	U38576 - CRESENT CANAL - 606 WINDERMERE DR-LA-MSID-1

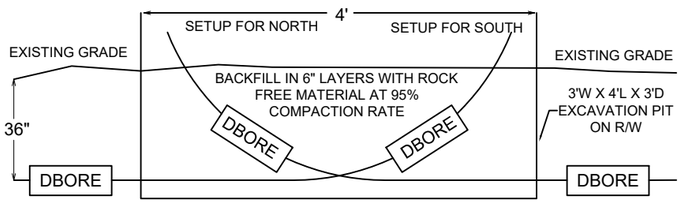
SHEET: G of 1

CONFIDENTIAL/PROPRIETARY

TYPICALS

DIRECTIONAL BORE TIE-IN DETAIL

NOT TO SCALE

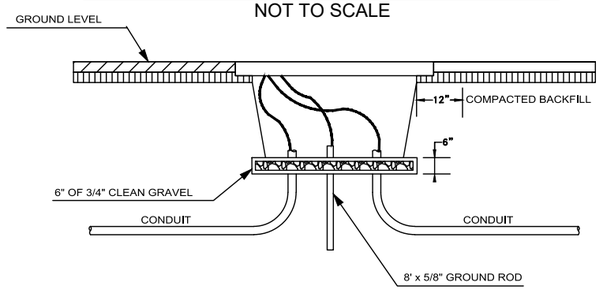


TIE-IN STATION

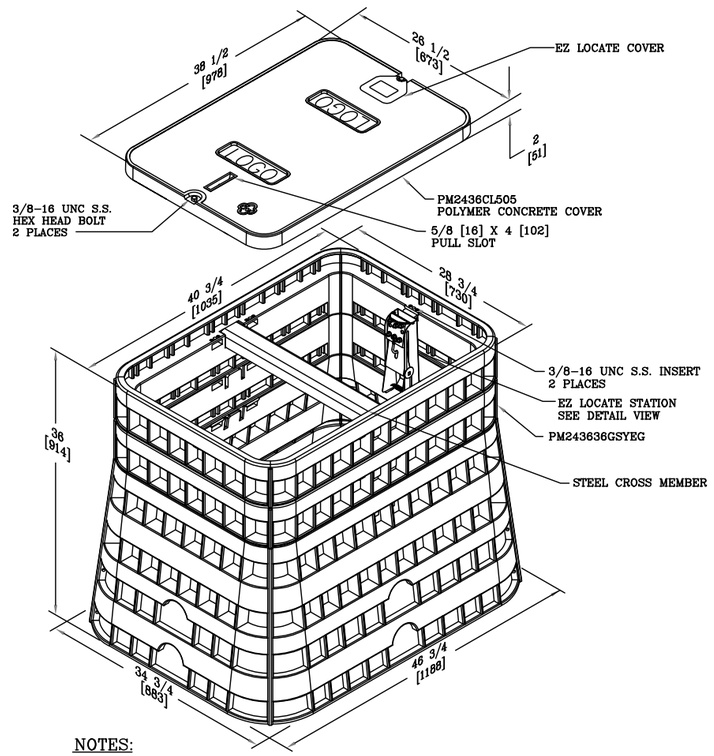
- BORE FROM EACH DIRECTION IS RUN AT DESIGN DEPTH TO 2 FEET PAST THE INTENDED TIE-IN. THEN TURNED UP TO DAYLIGHT.
- THE TIE-IN POINT IS EXCAVATED. THE CONDUITS CUT OFF WHERE THEY CROSS EACH OTHER AT DESIGN DEPTH, AND A COUPLER IS INSTALLED TO CONNECT THE TWO CONDUITS AT THE DESIGN DEPTH.
- ALL EXCAVATIONS OR TRENCHES 4 FEET OR GREATER IN DEPTH SHALL BE APPROPRIATELY BENCHED, SHORED, OR SLOPED IN OSHA'S EXCAVATION STANDARD, 29 CFR 1926.650, .651, AND .652

PULL BOX HANDHOLE

NOT TO SCALE



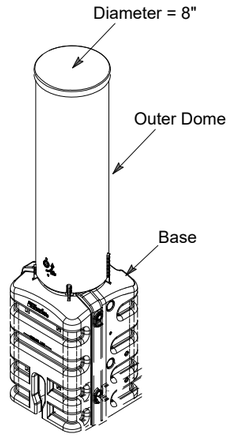
ALL EXCAVATIONS OR TRENCHES 4 FEET OR GREATER IN DEPTH SHALL BE APPROPRIATELY BENCHED, SHORED, OR SLOPED ACCORDING TO THE PROCEDURES AND REQUIREMENTS SET FORTH IN OSHA'S EXCAVATION STANDARD, 29 CFR 1926.650, .651, AND .652.



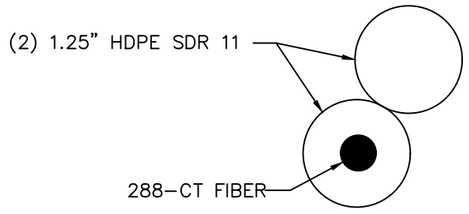
NOTES:

1. BOX MATERIAL TO BE HDPE PLASTIC, COVER MATERIAL TO BE POLYMER CONCRETE.
2. COLOR TO BE GREY.
3. THIS ASSEMBLY HAS A LOAD RATING OF 20,000 LBS. [88,960 N].

BDO204-EG



PIPE DETAIL



lumos

TEP

5906 BRECKENRIDGE PKWY, SUITE A
TAMPA, FL 33610

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TEP OPCO, LLC FL COA# 31011

JOSHUA H. CARDEN LICENSE No 83511 STATE OF FLORIDA PROFESSIONAL ENGINEER

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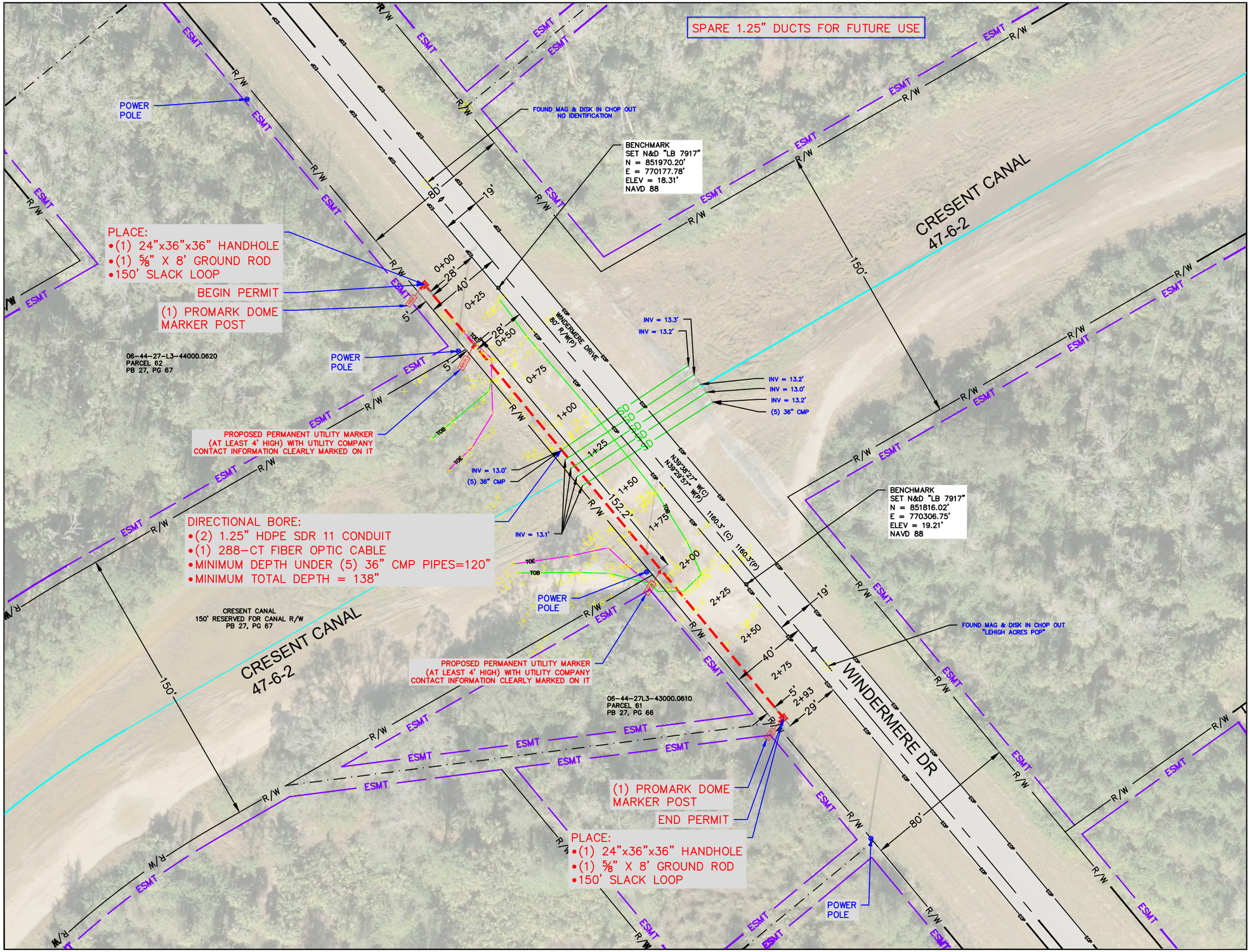
SHEET: H of 1

CONFIDENTIAL/PROPRIETARY



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0 10' 20' 30' 40' 50'
SCALE: 1"=50'

N

811 Know what's below Call before you dig.

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TEP OPCO, LLC FL COA# 31011

JOSHUA H. CARDEN
LICENSE
No 83511
STATE OF FLORIDA
PROFESSIONAL ENGINEER

May 12th, 2026

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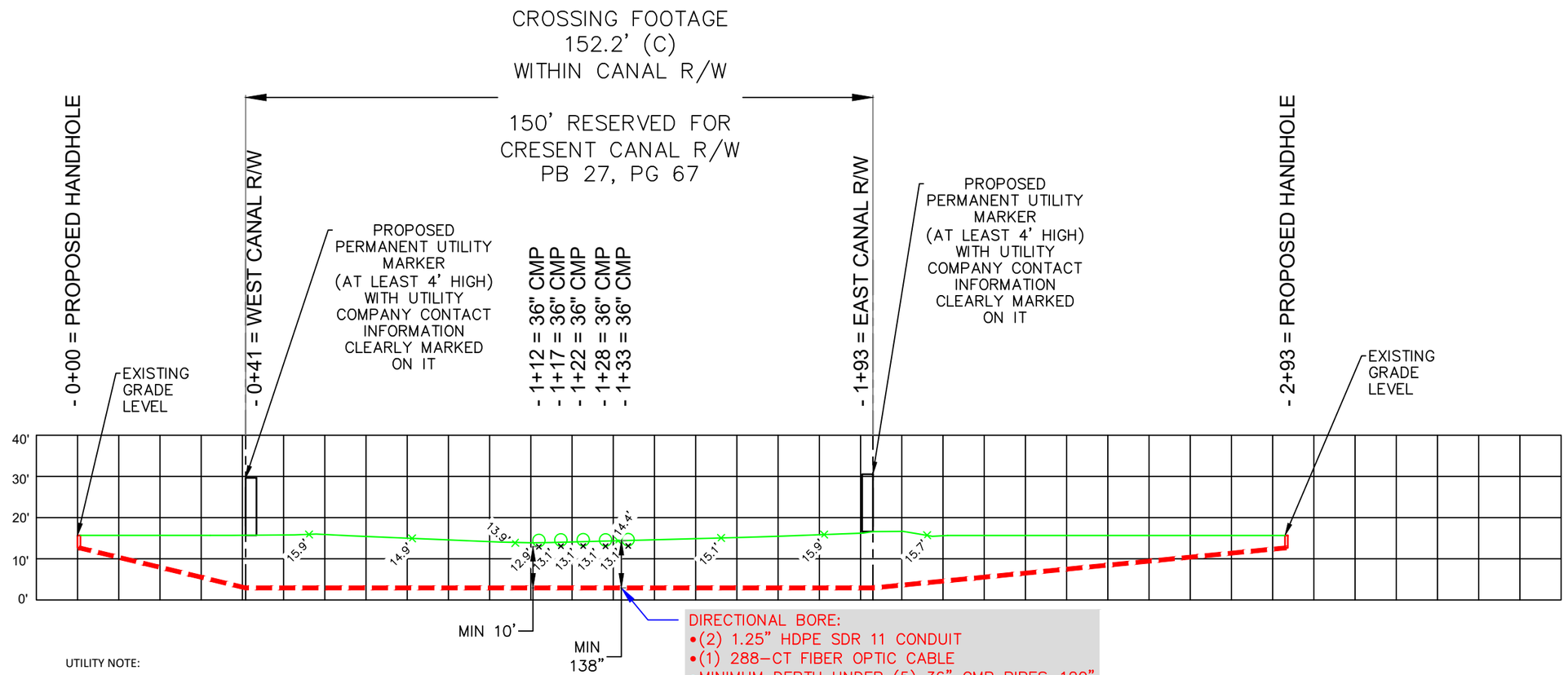
DRAWING NAME:	U38576 - CRESENT CANAL - 606 WINDERMERE DR-LA-MSID-1
SHEET:	1 of 1

CONFIDENTIAL/PROPRIETARY

SUB-GRADE VERTICAL PROFILE VIEW
WINDERMERE DRIVE
FACING NORTHEAST



UTILITY NOTE:

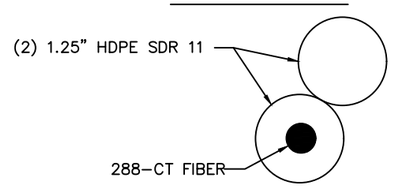
EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND BASED ON AVAILABLE RECORDS, VERBAL INFORMATION AND/OR PHYSICAL FEATURES. PRIOR TO CONSTRUCTION (AT LEAST 72 HOURS OR THE MORE RESTRICTIVE MINIMUM NOTIFICATION PERIOD), THE CONTRACTOR SHALL CONTACT SUNSHINE 811 TO ALLOW MARKING OF EXISTING BURIED UTILITIES WITHIN THE SCOPE OF THE PROPOSED WORKZONE.

NOTE:

BORE MUST BE 10' BELOW THE LOWEST PIPE INVERT OR THE CANAL BOTTOM, WHICHEVER IS LOWEST, FOR THE ENTIRE 150' WIDE CANAL RIGHT OF WAY.

ALL CANAL RIGHT OF WAY THAT IS DISTURBED MUST BE RESTORED WITH SOD AND MAINTAINED UNTIL WELL ESTABLISHED. NO SEEDING WILL BE ALLOWED.

PIPE DETAIL



NOTE:

BORE TO MAINTAIN A MINIMUM DEPTH OF 48" BELOW GRADE AND A MINIMUM DEPTH OF 48" BELOW TOP OF ROADWAY. A MINIMUM OF 30" SEPARATION SHALL BE MAINTAINED FROM ALL EXISTING UTILITIES, ITS/ATMS, AND STORM DRAIN SYSTEMS UNLESS SUPERVISED. NO BACK REAMER REQUIRED DUE TO SIZE OF 4" BIT. SOFT DIGS &/OR POTHOLING MAY BE REQUIRED BY CONTRACTOR TO IDENTIFY EXISTING UTILITY DEPTHS.

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5906 BRECKENRIDGE PKWY, SUITE A
TAMPA, FL 33610

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0 10' 20' 30'
SCALE: 1"=30'

N

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SHEET:	1A of 1

CONFIDENTIAL/PROPRIETARY

STREET LEVEL VIEW
STA 0+50
FACING SOUTHEAST



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SHEET: I1 of 1

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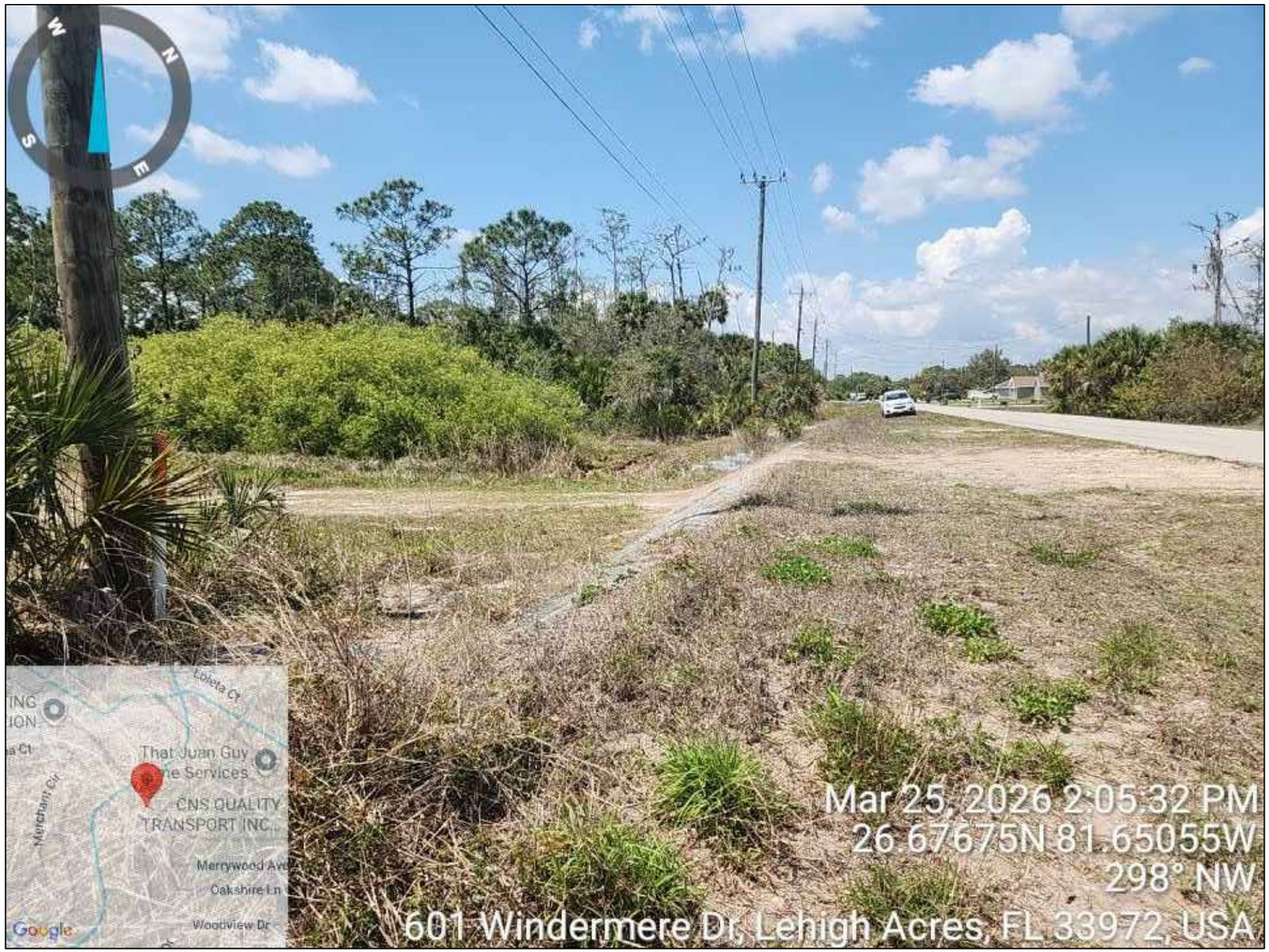
STREET LEVEL VIEW
STA 2+00
FACING NORTHWEST



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SHEET:	I2 of 1

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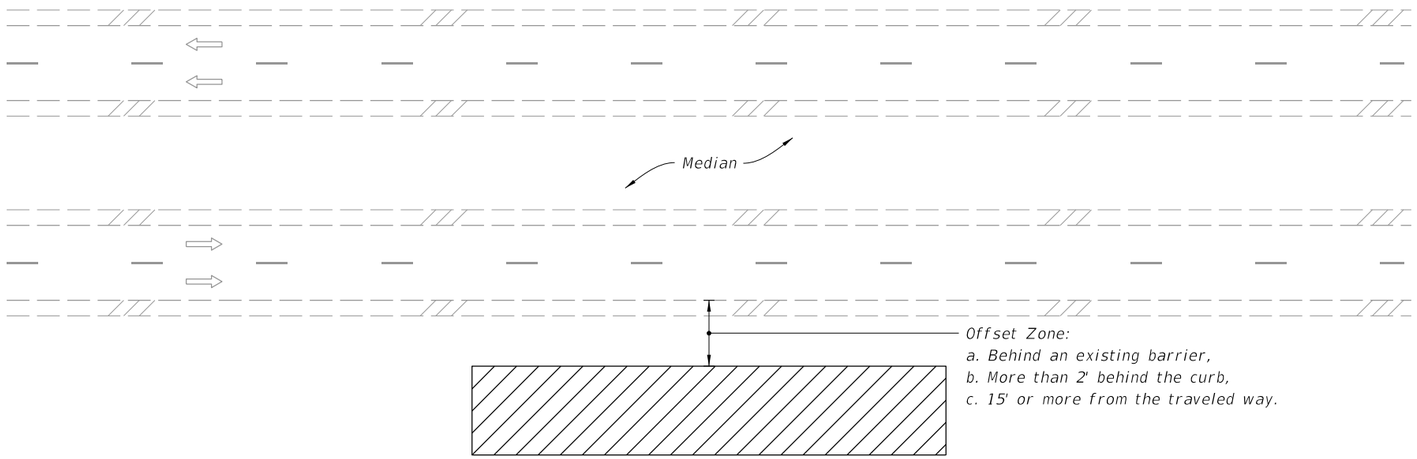


MULTILANE ROADWAY SHOWN, TWO-LANE ROADWAY SIMILAR

NOTES:

1. This Index applies to Two-Lane, Two-Way and Multilane Roadways, including Medians of divided roadways, with work beyond the shoulder.

2. Use Index 102-602 when the work operation (excluding establishing and terminating the work area) requires that two or more work vehicles cross the Offset Zone in any one hour period.

3. Use Index 102-660 when Work Area encroaches a Sidewalk.

SYMBOLS:

Work Area

Lane Identification and Direction of Traffic

9/10/2024 10:45:01 AM

LAST REVISION	REVISION	DESCRIPTION:			INDEX	SHEET
11/01/20			FY 2025-26 STANDARD PLANS	TWO-LANE AND MULTILANE ROADWAY, WORK BEYOND THE SHOULDER	102-601	1 of 1

NOTE:

1. This Index applies to Two-Lane, Two-Way and Multilane Roadways, including Medians of divided roadways, with work on the shoulder.

2. L = Taper Length
   X = Work Zone Sign Spacing
   B = Buffer Length
   See Index 102-600 for "L", "X", "B", and channelizing device spacing values.

3. Where work activities are between 2' and 15' from the edge of traveled way, the Engineer may omit signs and channelizing devices for work operations 60 minutes or less.

4. When four or more work vehicles enter the through traffic lanes in a one hour period (excluding establishing and terminating the work area), use a flagger or lane closure to accommodate work vehicle ingress and egress.

5. For work less than 2' from the traveled way and work zone speed is greater than 45 MPH, use a lane closure.

6. The "Speeding Fines Doubled When Workers Present" signs (M0T-13-06) and "End Road Work" Signs (G20-2) along with the associated work zone sign spacing distances may be omitted when the work operation is in place for 24 hours or less.

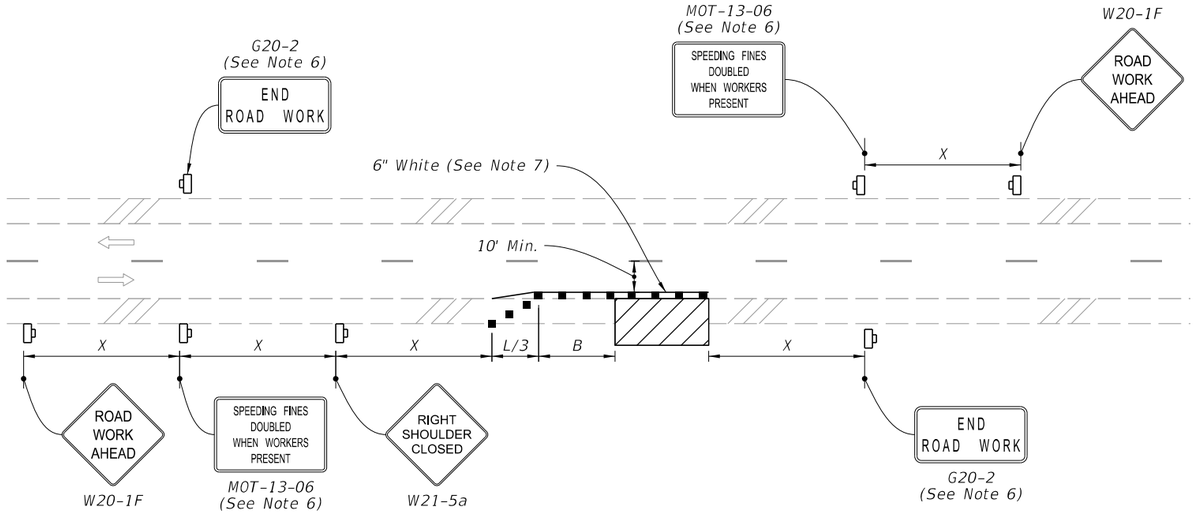
7. Temporary pavement markings may be omitted when the work operation is in place for 3 days or less.

8. Omit "Shoulder Closed" signs (W21-5a) along with associated work zone sign spacing distances for work on the median.

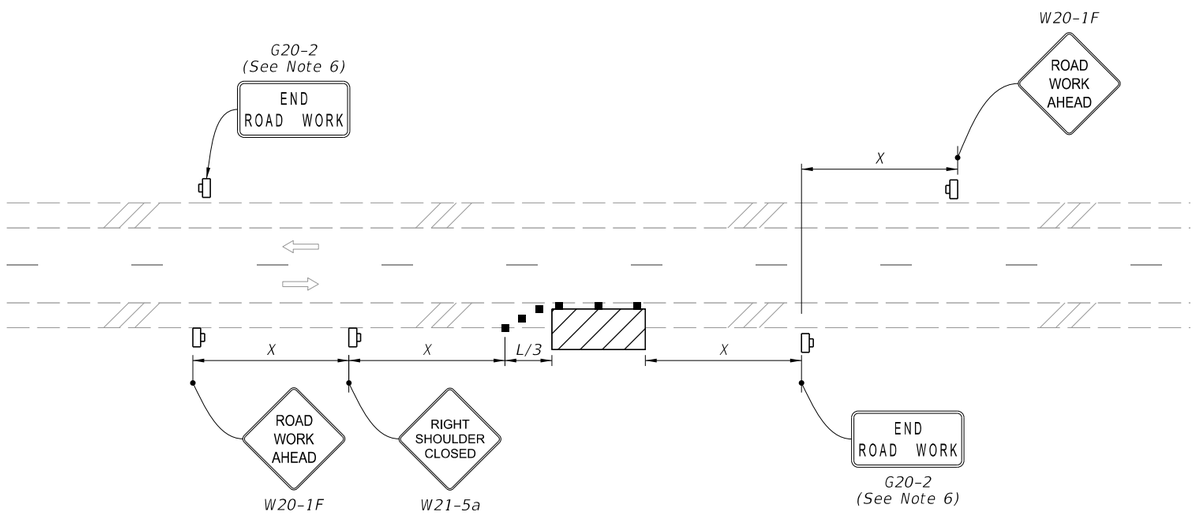
9. When there is no paved shoulder, the "Worker" sign (W21-1) may be used instead of the "Shoulder Closed" sign (W21-5a).

SYMBOLS:

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Lane Identification and Direction of Traffic



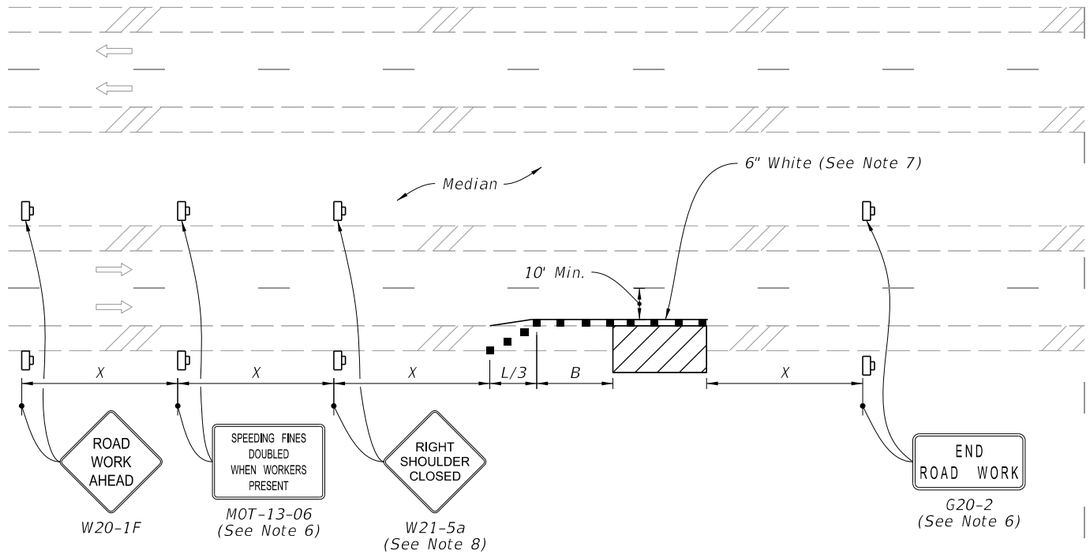
TWO-LANE ROADWAY
SHOULDER WORK LESS THAN 2' FROM THE TRAVELED WAY
WITH WORK ZONE SPEED OF 45 MPH OR LESS



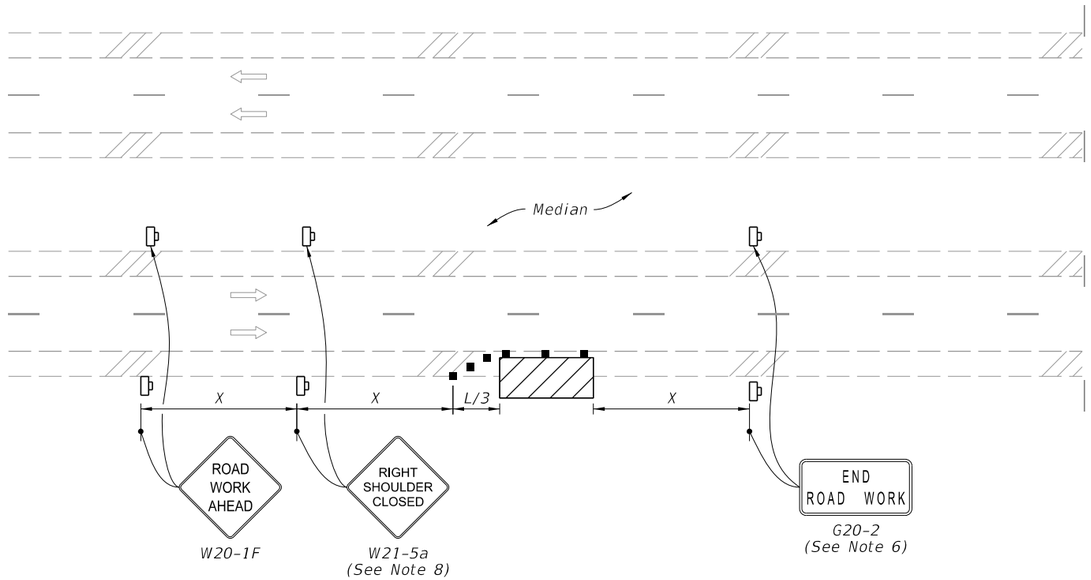
TWO-LANE ROADWAY
SHOULDER WORK BETWEEN 2' AND 15' FROM THE TRAVELED WAY

9/10/2024 10:45:37 AM

LAST REVISION	REVISION	DESCRIPTION:			INDEX	SHEET
11/01/21			FY 2025-26 STANDARD PLANS	TWO-LANE AND MULTILANE, WORK ON SHOULDER	102-602	1 of 2



MULTILANE ROADWAY
SHOULDER WORK LESS THAN 2' FROM THE TRAVELED WAY
WITH WORK ZONE SPEED OF 45 MPH OR LESS



MULTILANE ROADWAY
SHOULDER WORK BETWEEN 2' AND 15' FROM THE TRAVELED WAY

SYMBOLS:

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Lane Identification and Direction of Traffic

9/10/2024 10:45:44 AM

LAST REVISION	REVISION	DESCRIPTION:				
11/01/20			FY 2025-26 STANDARD PLANS	TWO-LANE AND MULTILANE, WORK ON SHOULDER	INDEX 102-602	SHEET 2 of 2

NOTES:

1. Cover or deactivate pedestrian traffic signal display(s) controlling closed crosswalks.

2. Place pedestrian LCDs across the full width of the closed sidewalk.

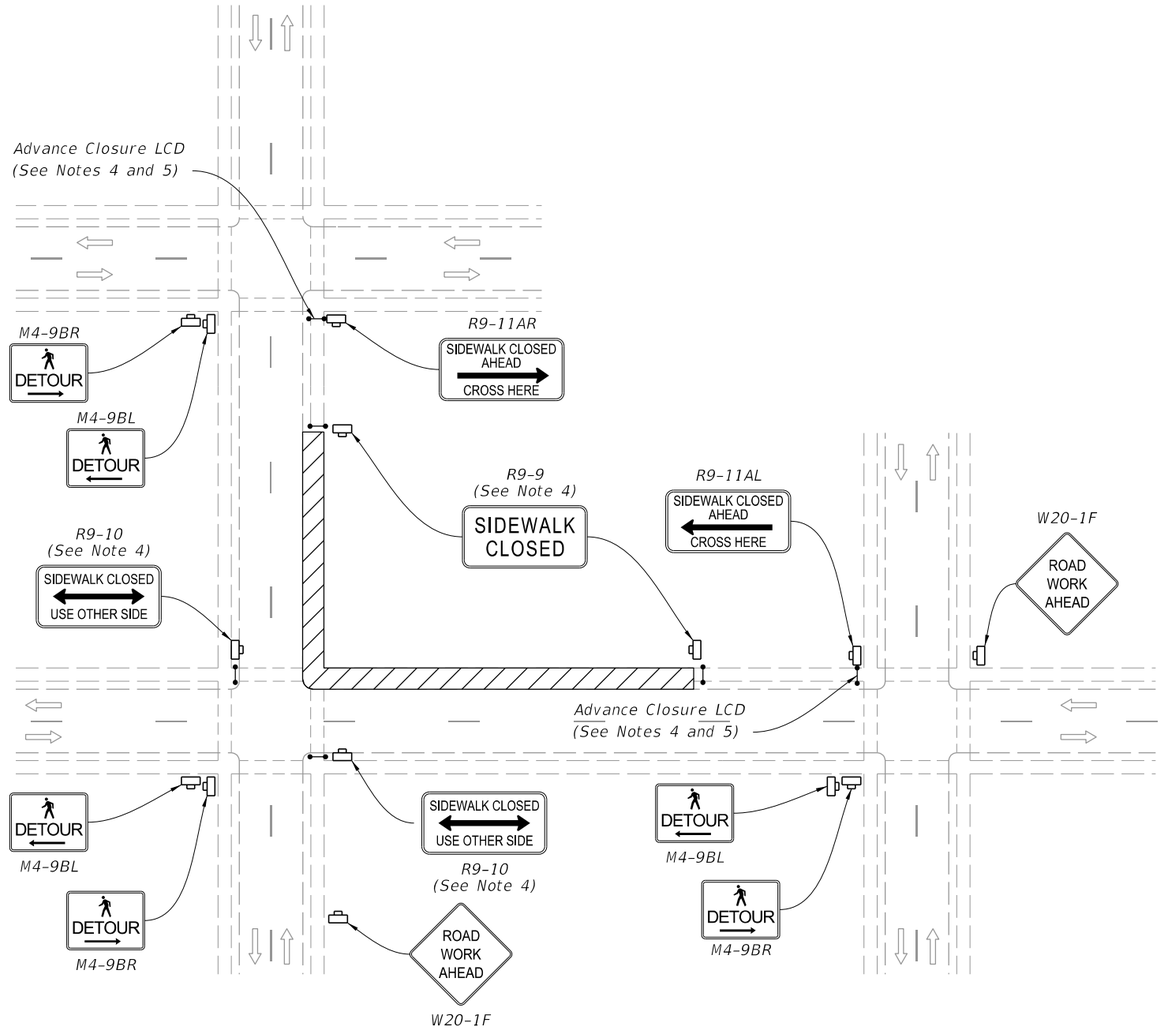
3. For post mounted signs located near or adjacent to a sidewalk, maintain a minimum 7' clearance from the bottom of the sign panel to the surface of the sidewalk.

4. "Sidewalk Closed" signs (R9-XX) may be mounted on pedestrian LCDs in accordance with the manufacturer's instructions.

5. Omit the Advance Closure LCD if it blocks access to other pedestrian facilities (e,g,, transit stops, residences, or business entrances).

SYMBOLS:

- Work Area
- Work Zone Sign
- Pedestrian Longitudinal Channelizing Device (LCD)
- Lane Identification and Direction of Traffic



PEDESTRIAN DETOUR

9/10/2024 11:11:04 AM

LAST REVISION	REVISION	DESCRIPTION:				
11/01/20			FY 2025-26 STANDARD PLANS	SIDEWALK CLOSURE	INDEX 102-660	SHEET 1 of 2

NOTES:

1. L = Taper Length
   B = Buffer Length
   X = Work Zone Sign Distance
   See Index 102-600 for "L", "B", "X", channelizing device spacing values.

2. Provide a 5' wide temporary pedestrian way with a maximum cross-slope of 0.02, except where space restrictions warrant a minimum width of 4'. Provide a 5' x 5' passing space for temporary pedestrian ways less than 5' in width at intervals not to exceed 200'.

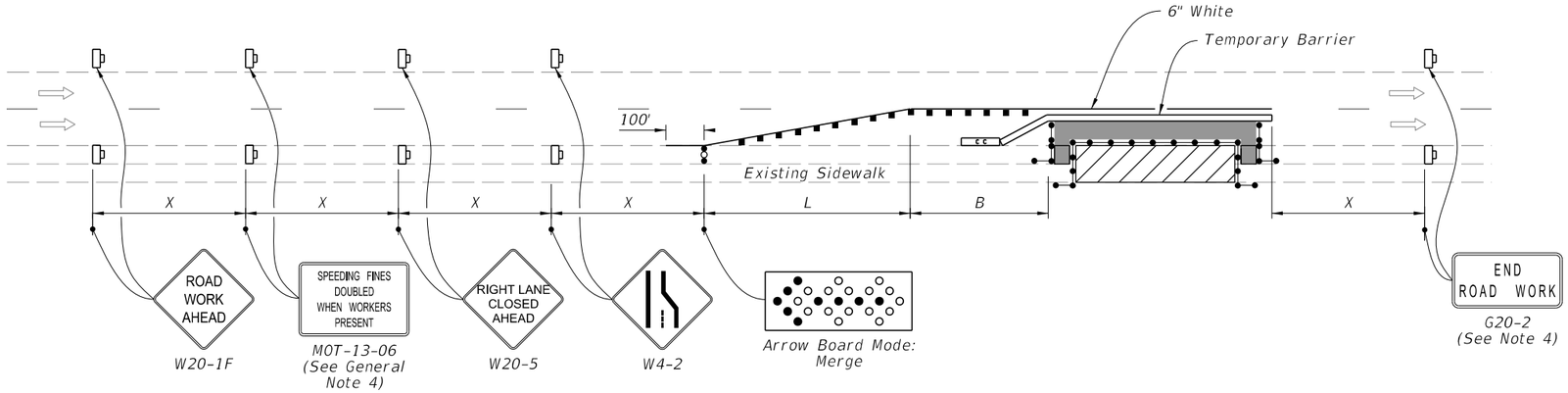
3. When temporary pedestrian ways require curb ramps, meet the requirements of Index 522-002. Detectable warnings are not required for curb ramps diverting pedestrian traffic into a closed lane.

4. The "Speeding Fines Doubled When Workers Present" signs (MOT-13-06) and "End Road Work" signs (G20-2), along with associated work zone sign distances, may be omitted when the work operation will be in place for 24 hours or less.

5. Pedestrian Diversion Option 2 may only be used when called for in the Plans or as approved by an Engineer.

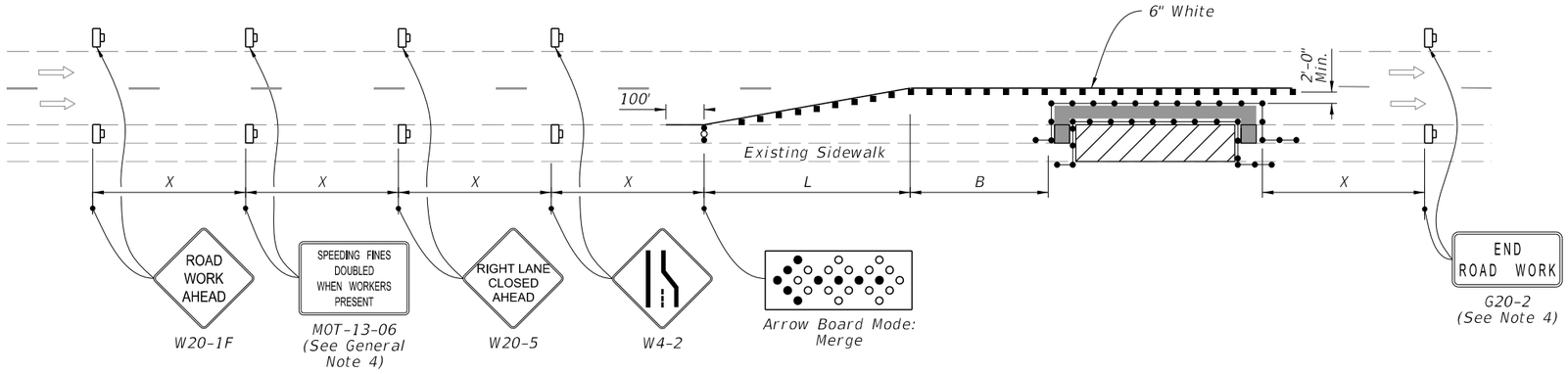
SYMBOLS:

- Work Area
- Temporary Pedestrian Way
- Channelizing Device (See Index 102-600)
- Pedestrian Longitudinal Channelizing Device (LCD)
- Work Zone Sign
- Arrow Board
- Crash Cushion
- Lane Identification and Direction of Traffic



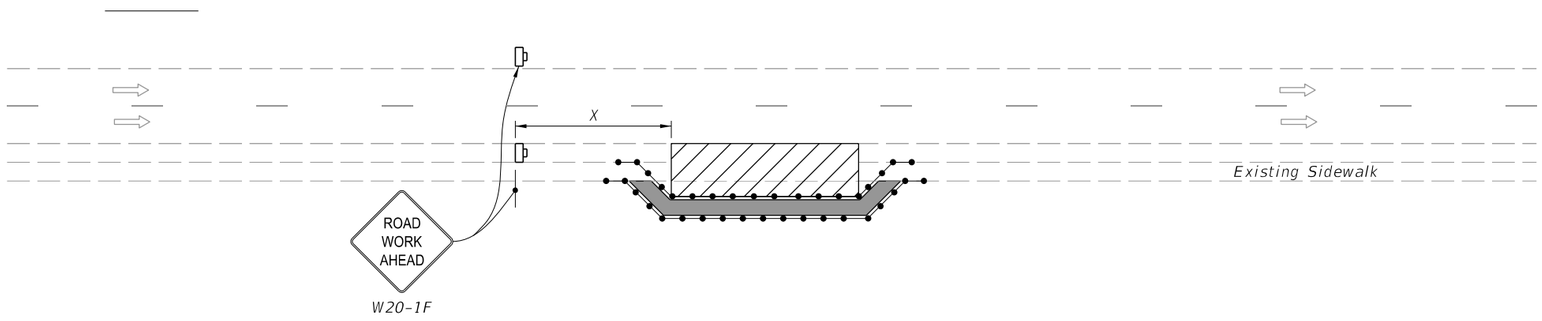
PEDESTRIAN DIVERSION - OPTION 1

(Temporary Barrier Shown, Low Profile Barrier Similar)



PEDESTRIAN DIVERSION - OPTION 2

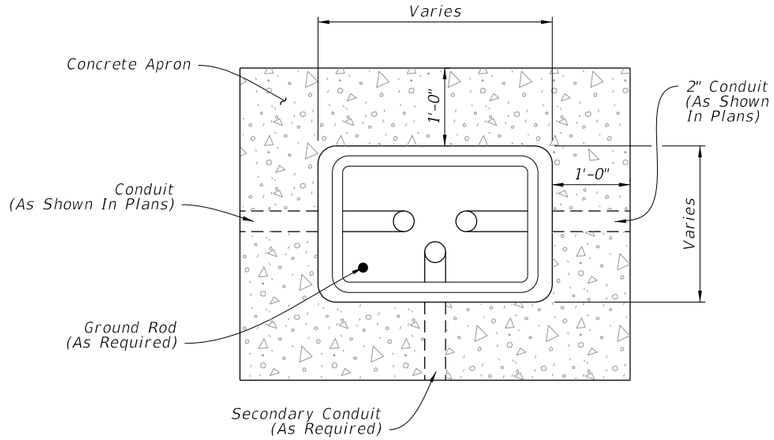
(Work Zone Speed 45 mph or Less)



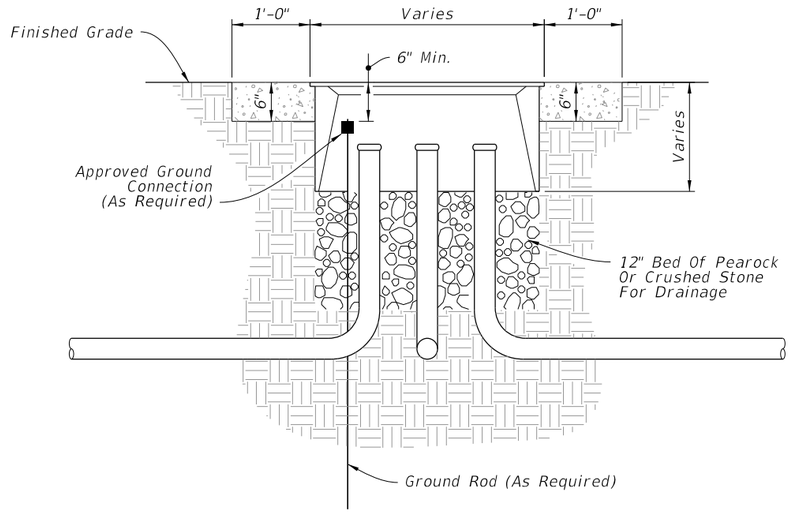
PEDESTRIAN SPECIAL DETOUR

9/10/2024 11:11:11 AM

LAST REVISION	REVISION	DESCRIPTION:			INDEX	SHEET
11/01/23			FY 2025-26 STANDARD PLANS	SIDEWALK CLOSURE	102-660	2 of 2

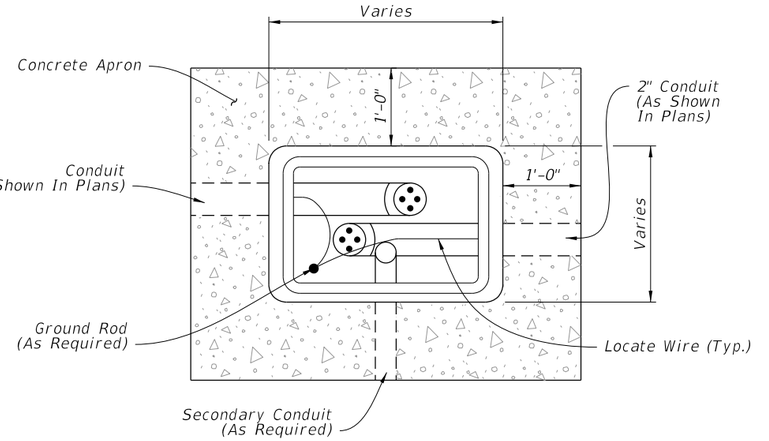


PLAN

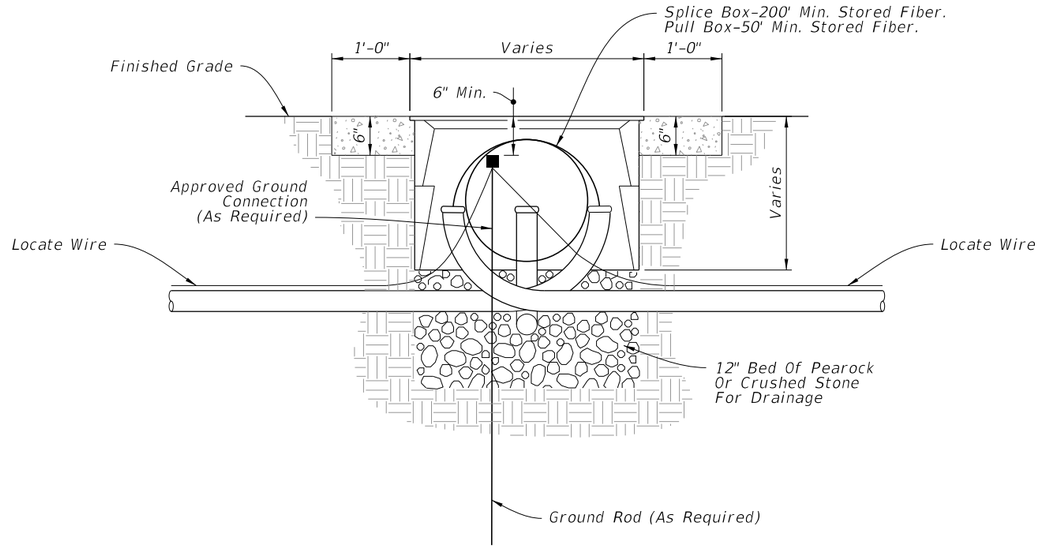


ELEVATION

PULL BOX



PLAN



ELEVATION

FIBER OPTIC BOX

NOTES:

1. Provide fiber optic splice boxes with cable hanger racks designed to support cables and splice enclosures.
2. Install a 1'-0" wide (Min.) concrete apron around all boxes using Class NS concrete. Slope the apron away from the box.
3. Where multiple pull boxes are placed side by side, maintain at least 8" between the pull boxes.
4. Rectangular boxes shown, others similar.

9/10/2024 2:16:11 PM

LAST REVISION	REVISION	DESCRIPTION:	FY 2025-26 STANDARD PLANS	PULL AND SPLICE BOXES	INDEX	SHEET
11/01/18					635-001	1 of 1

Topographic Survey of a Subject Project Site

lying within

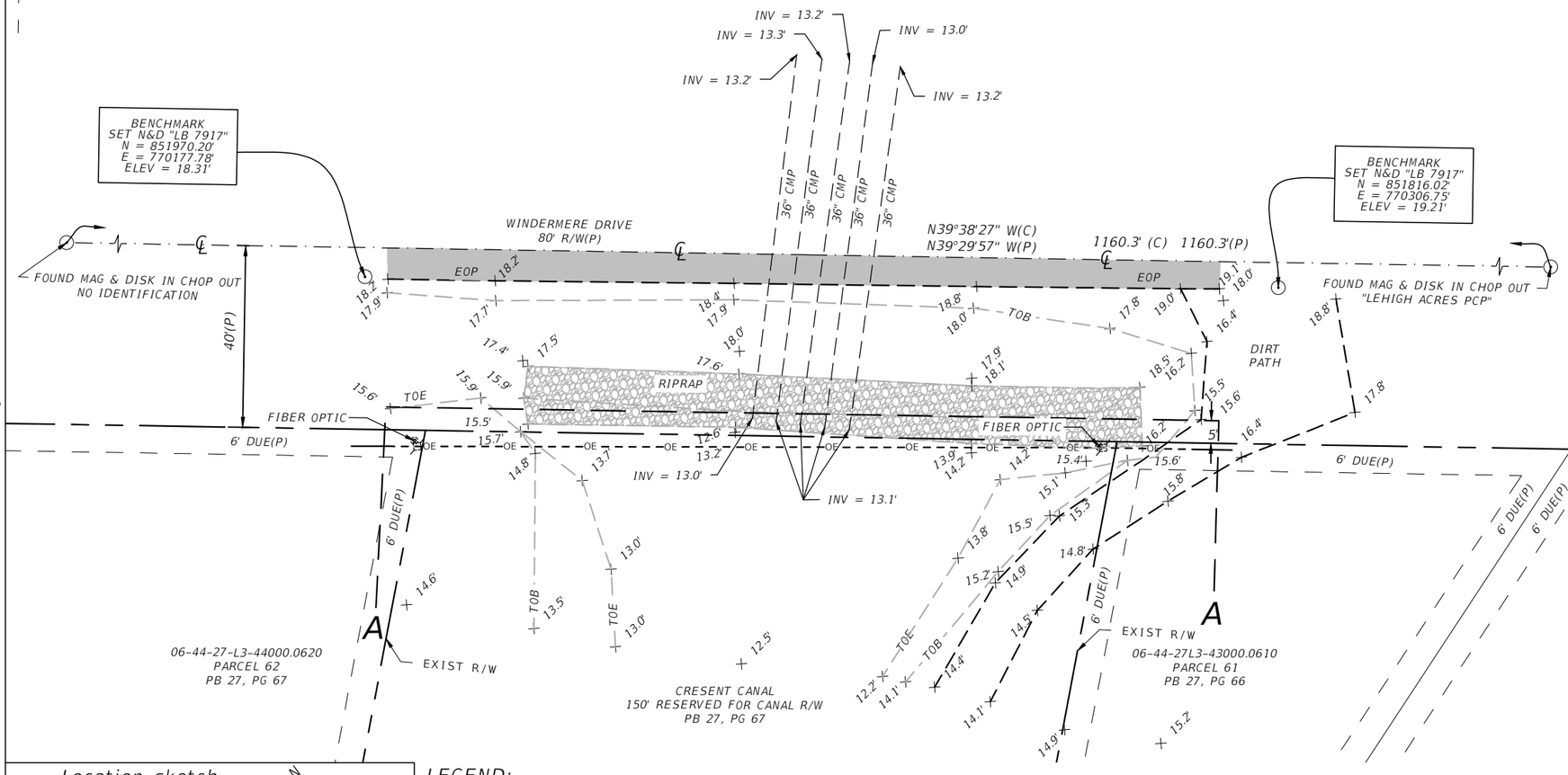
Section 6, Township 44 South, Range 27 East

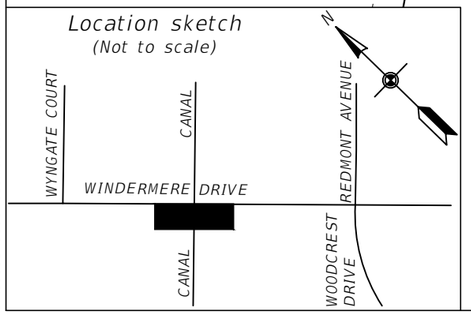
Lehigh Acres, Lee County, Florida

SEE SHEET 02 FOR 1" = 20'
SECTION A-A PROFILE VIEW

N

0 15' 30'
(1" = 30')
Graphic Scale





NOTES:

Survey based on the plat of South Part Unit 36- Greenbriar as recorded in Plat Book 27 Page 57 and plat of North Part Unit 37- Greenbriar as recorded in Plat Book 27 Page 58, Public Records of Lee County, Florida and existing monumentation.

This survey prepared as a Topographic Survey for the purpose of locating the features within and adjacent to the Lehigh Acres Municipal Services Improvement District-managed facility South West of Windermere Drive between Redmont Avenue and Wyngate Court.

The elevations shown hereon are referenced to the North American Vertical Datum of 1988 (NAVD 1988). All elevations are reported in US survey feet and decimals thereof and are based upon the Florida Permanent Reference Network (FPRN) stations maintained by the Florida Department of Transportation.

The subject site lies within Zone "X" per FEMA insurance rate map 125124 0317F (Published 08/28/2008), therefore has no base flood elevation.

The FEMA flood zone information indicated hereon is based on the maps supplied by the Federal Government. This flood information must be verified with all permitting regulatory entities prior to commencing any work or application dependent on said flood information.

Underground improvements, utilities and/or foundations were not located unless otherwise noted. Wetlands, if any, were not located.

Subject to easements, restrictions, reservations, and rights-of-way (recorded and unrecorded, written and unwritten).

Last day of field work: 12/18/2025

TAYLOR J. HENNINGE
License Number
7279
STATE OF FLORIDA
Professional Surveyor and Mapper

TAYLOR J. HENNINGE
PROFESSIONAL SURVEYOR AND MAPPER
FLORIDA CERTIFICATE NO. LS# 7279

Not valid without the signature and the original seal of a Florida licensed surveyor and mapper.

This survey is only for the lands as described. It is not a certificate of title, zoning, easements or freedom of encumbrances.

This survey was prepared without benefit of an abstract of title and all matters of title should be referred to an attorney at law.

This survey has been electronically signed and sealed by Taylor J. Henninge using a digital signature and date. Print copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

LEGEND:

(P)	= PER PLAT	N&D	= NAIL AND DISK
(C)	= CALCULATED	NAVD 88	= NORTH AMERICAN VERTICAL DATUM 1988
CB	= CATCH BASIN	OR	= OFFICIAL RECORDS BOOK
Δ	= DELTA ANGLE	PB	= PLAT BOOK
℄	= CENTER LINE	PG	= PAGE
CONC	= CONCRETE	R/W	= RIGHT OF WAY
CMP	= CORRUGATED METAL PIPE	RCP	= REINFORCED CONCRETE PIPE
CPP	= CORRUGATED PLASTIC PIPE	RNG	= RANGE
DUE	= DRAINAGE AND UTILITY EASEMENT	S/W	= SIDEWALK
ELEV	= ELEVATION	SEC	= SECTION
EOP	= EDGE OF PAVEMENT	TOB	= TOP OF BANK
EXIST	= EXISTING	TOE	= TOE OF SLOPE
FIRC	= FOUND IRON ROD AND CAP	TWP	= TOWNSHIP
INST#	= INSTRUMENT NUMBER	(TYP)	= TYPICAL
INV	= INVERT ELEVATION		

⊙ = FOUND MONUMENT
OE = OVERHEAD UTILITY LINE
20.0 = SPOT ELEVATION
= SUBSURFACE UTILITY MARKER
= ELECTRICAL POLE

Windermere Drive, Lehigh Acres

TOPOGRAPHIC SURVEY-PLAN VIEW

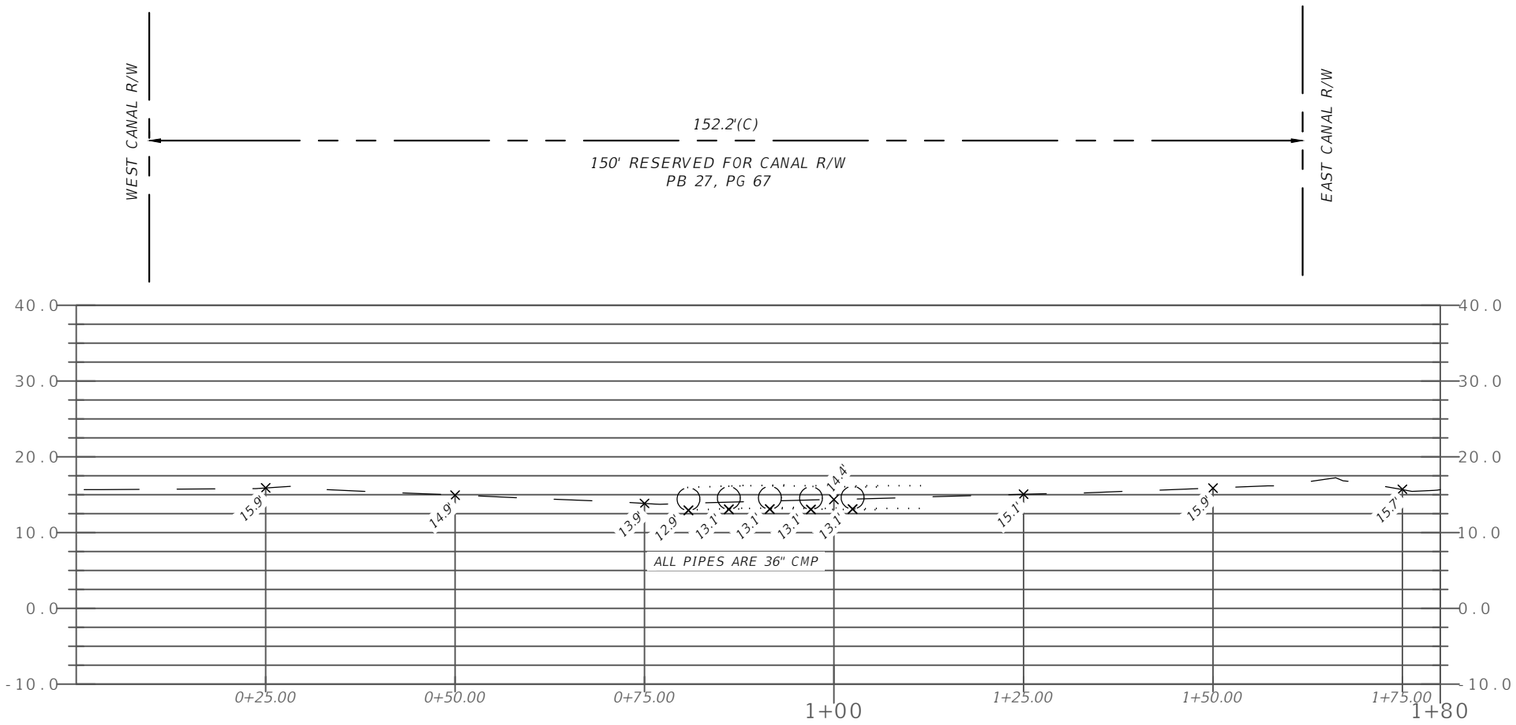
McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name:	Field book/page:	Project No.:
L053-606 Windermere Dr.dwg	106981-1/38	106980001-L053

Survey date:	Drawn by:	Checked by:	Sheet No.:
12/18/2025	KB	TJH	01 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L053-606 WINDERMERE DR\L053-606 Windermere Dr.dwg

Topographic Survey of a
Subject Project Site
Section 6, Township 44 South, Range 27 East
Lehigh Acres, Lee County, Florida



A-A Profile View
1" = 20' HORIZONTAL
1" = 20' VERTICAL

SEE SHEET 01 FOR LEGEND

Windermere Drive, Lehigh Acres

TOPOGRAPHIC SURVEY-PROFILE VIEW

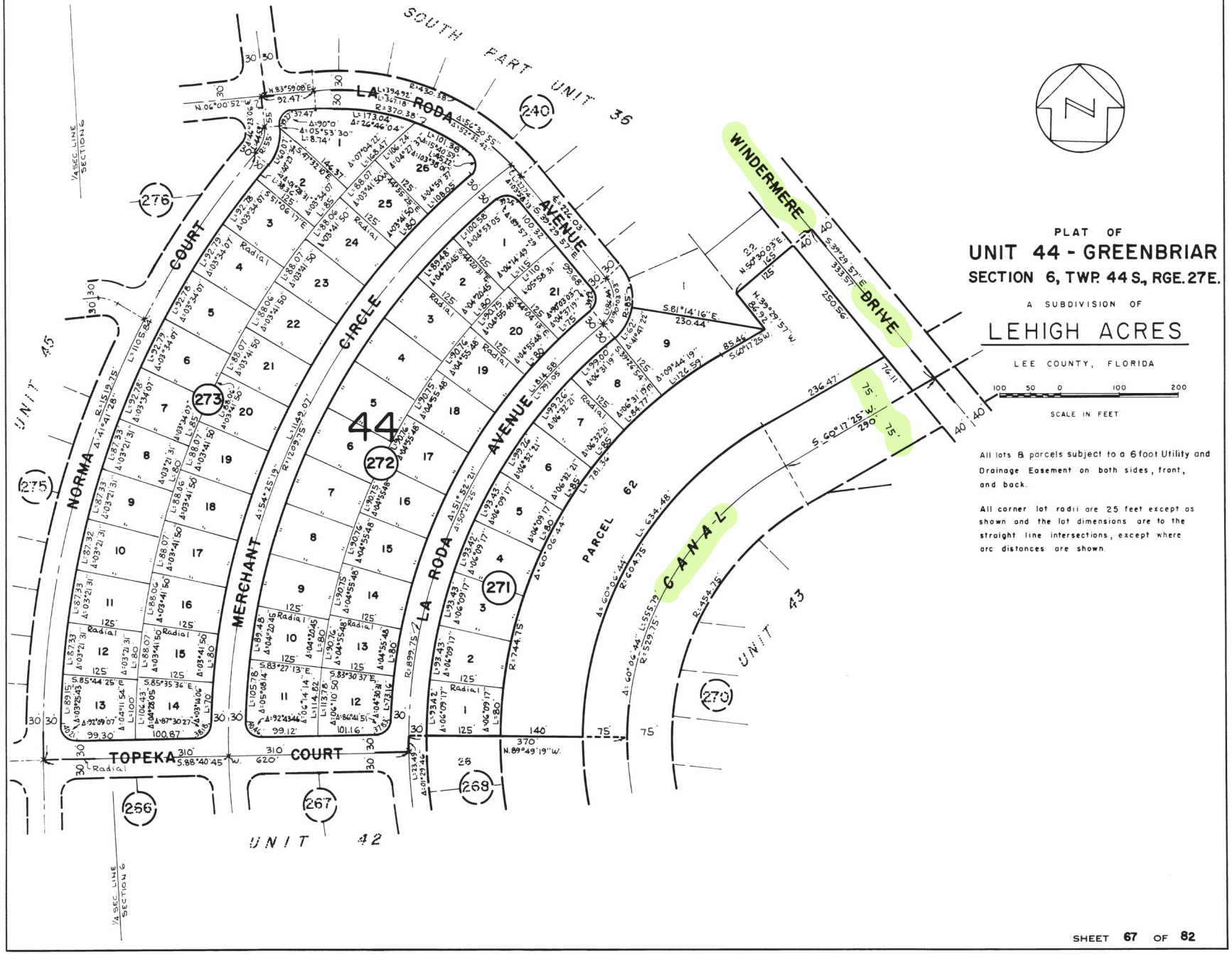
McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name:	Field book/page:	Project No.:
L053-606 Windermere Dr.dwg	106981-1/38	106980001-L053

Survey date:	Drawn by:	Checked by:	Sheet No.:
12/18/2025	KB	TJH	02 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L053-606 WINDERMERE DR\L053-606 Windermere Dr.dwg

PLAT BOOK 27 PAGE 67



PLAT OF

UNIT 44 - GREENBRIAR

SECTION 6, TWP. 44 S., RGE. 27E.

A SUBDIVISION OF

LEHIGH ACRES

LEE COUNTY, FLORIDA

100 50 0 100 200

SCALE IN FEET

All lots & parcels subject to a 6 foot Utility and Drainage Easement on both sides, front, and back.

All corner lot radii are 25 feet except as shown and the lot dimensions are to the straight line intersections, except where arc distances are shown.

PART IV #26-104

Recommended Action

Engineering Review:

By: _____6/17/2026 **Approved _X_ Denied __**

District Field Review:

By: _____ Approved ___ Denied ___

District Manager: _____ Date: _____

Comments:

The referenced permit application submitted by Lumos Fiber of Florida, LLC for a subaqueous crossing under Cresent Canal (47-6-2) at 606 Windermere Dr., in Lehigh Acres, has been reviewed and is recommended for approval with the following stipulations:

1. On sheet 8 of the plans, the culvert crossing detail specifies 24" minimum offset from culvert, if the detail is depicting a canal crossing, the offset should be 120" or 10'. If not, please include a note to clarify that the details do not apply to LA-MSID canal crossing.

2. Permanent above-ground cable markers must be placed at the canal right-of-way (R/W) line on each side of the crossing.

3. Any disturbed canal R/W must be restored with sod and maintained until fully established. Seeding will not be permitted.

4. Within 30 days of completing the improvements, provide LA-MSID with a copy of the survey record drawings indicating the location and elevation of utilities within the canal R/W.

5. The permittee will be responsible for any necessary repairs, alterations, or relocation of the utility if required for future maintenance or repairs of the canal.

6. Lee County DOT must review and approve any utility work proposed within the County Road R/W.

LEHIGH ACRES - MUNICIPAL SERVICES IMPROVEMENT DISTRICT PERMIT

THIS PERMIT is granted this 20th day of July, 2026, by Lehigh Acres Municipal Services Improvement District (hereinafter referred to as "DISTRICT"), 601 East County Lane, Lehigh Acres, Florida 33936, to Lumos Fiber of Florida, LLC, 4100 Mendenhall Oaks Parkway, Suite 300, High Point, NC 27265, hereinafter referred to as the "Permittee") as a non-exclusive permit for a directional bore under Skipper Canal (47-5-7), along the south side of Windermere Dr., between Mayberry Dr. & Tobin St., in Lehigh Acres, FL.

W I T N E S S E T H:

1. In the event the DISTRICT is not the fee title owner of the real property (the "Property") to which this Permit is applicable, the Permittee agrees, prior to commencement, to obtain all necessary consents from the fee title owners of the Property.

2. This Permit does not constitute a waiver of the necessity by the Permittee to obtain such other necessary and appropriate permits required by other governmental bodies or agencies; therefore the Permittee, prior to commencement, is required to obtain any and all other applicable federal, state, and local permits required in connection with Permittee's use of the Property and agrees that at all times it will comply with the requirements of all federal, state and local laws, ordinances, rules and regulations applicable or pertaining to the use of the Property by the Permittee.

3. Permittee understands and agrees that the use of the Property pursuant to this Permit is subordinate to the rights and interests of the DISTRICT and to the extent applicable that of the fee title owner of the Property. Further, Permittee does hereby stipulate that the Permittee is not relying upon any representations whatsoever by the DISTRICT regarding the DISTRICT'S right, title, interest, or ownership as to the Property for which this Permit is applicable.

4. The Permittee, by accepting this permit, specifically agrees to allow authorized District Personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:
    a. Having access to and copying any records that must be kept under the conditions of the permit:
    b. Reviewing the facility, equipment, practices, or operations regulated or required under this permit; and
    c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or District rules.

5. The DISTRICT specifically reserves the right to maintain its facilities located over, under or upon the Property; to make improvements; add additional facilities; maintain, construct or alter its roads; maintain any facilities, devices, or improvements on the Property which aid in or are necessary to the DISTRICT'S operation; and the right to enter upon the Property at all times for such purposes. Permittee understands that in the exercise of such rights and interest, the DISTRICT may require Permittee, at no cost to DISTRICT, to relocate, alter, or remove the Permittee's facilities and equipment or other improvements made by Permittee pursuant to this Permit which interfere with or prevent the DISTRICT, in the DISTRICT'S opinion, from properly and faithfully constructing, improving and maintaining its facilities. If the Permittee should fail to relocate, alter, or remove the Permittee's facilities, equipment or other improvements made by the Permittee pursuant to this Permit within a reasonable time period following receipt of notice from the DISTRICT requesting same, then in that event the DISTRICT shall have the right to enter upon the lands and make such relocation, alterations or removal of the Permittee's facilities, equipment/or other improvements at no cost to DISTRICT.

6. Permittee agrees that it will not use the Property in any manner which interferes with the DISTRICT'S

use of the Property or causes a hazardous condition to exist.

7. The DISTRICT assumes no responsibility for the ownership, operation and/or maintenance of the Permittee's facilities as permitted herein.

8. The Permittee agrees to backfill any excavation it makes within the Property and to repair or replace (i) any below-grade authorized facilities and features located therein, including but not limited to: water, sewer, stormwater or irrigation facilities, structures or appurtenances and (ii) as to at or above-grade facilities and features, this requirement shall only be applicable to grasses and sod, sidewalks, and roadway improvements (the term roadway improvements shall include but not be limited to curbing, roadway base, sub grade and asphaltic or concrete surfaces) which are removed or damaged as a direct result of said excavation. Such repair or replacement shall substantially restore these features to their condition as it existed immediately prior to the event precipitating the excavation.

9. All below-grade Permittee installations, including water and sewer lines, whether sub aqueous or not, together with appurtenant facilities, shall be located underground and have a minimum ground cover of thirty inches (30") below original design profile grade, including District waterways and roadways.

10. All Permittee activity related to sub aqueous utility, water and/or sewer lines, including appurtenant facilities, shall be conducted in such fashion that the primary functional purpose of the canal or lake body facility, specifically flood control, within which the activity is taking place is not adversely affected. More specifically, sub aqueous construction shall conform to the criteria given in the Lehigh Acres Municipal Services Improvement District (Lehigh Acres – MSID) Administrative Policy and Procedures.

11. Permittee shall, at no expense to DISTRICT and within a reasonable time following notice, adjust the positions and elevations of its facilities as may be required in connection with future improvements to, or construction of, works of the DISTRICT.

12. Permittee does hereby indemnify and hold harmless the DISTRICT, its Board of Commissioners, officers, personnel, and it's Engineers against any claims, losses, damages (including consequential), expenses, or legal fees that might arise out or result from the implementation of the proposed project by the Permittee or that may be caused by a failure of DISTRICT facilities or property.

13. The Permittee shall be obligated at the time of submission of its Permit application, to provide a detail of any other existing improvements located over, under, upon or through the Property and the Permittee's accompanying plans and specifications shall clearly indicate how the Permittee will comply with required clearances between the requested permitted activity and existing improvements located over, under and upon the Property, including compliance with other permitted users duly adopted and published standards.

14. Permittee shall reimburse the DISTRICT for its legal, engineering and other expenses incurred as a result of the implementation of the proposed project.

15. If Permittee should violate any of the terms or conditions of the Permit and shall not correct or remedy same within ten (10) days of receiving written notice of said violation from the DISTRICT, then in that event, the DISTRICT may, at its option, revoke, cancel and terminate this Permit.

16. This Permit may not be assigned by the Permittee without the prior written approval of the DISTRICT.

17. Unless otherwise adjusted, modified or terminated as set forth hereinabove, including the Conditions attached hereto, this Permit shall continue in full force and effect so long as Permittee complies with the

terms of this Permit.

18. In any litigation, including breach, enforcement or interpretation arising out of this Permit, the prevailing party to this Permit shall be entitled to recover reasonable attorney's fees, costs and expenses related to said action from the non-prevailing party.

19. That attached hereto are Supplemental Conditions to this Permit which are incorporated herein and made a part hereof.

LEHIGH ACRES – MUNICIPAL SERVICES IMPROVEMENT DISTRICT

BY: _____

NAME TYPED: David E. Lindsay

TITLE: District Manager

SUPPLEMENTAL CONDITIONS TO PERMIT NO. 26-105

A. GENERAL CONDITIONS

1. Notification shall be given by the Permittee to the District Engineer, AIM Engineering, at 239-332-4569 forty-eight (48) hours prior to commencement of the permitted activity. The District Engineer shall establish points of construction, if applicable, which will require inspection by the District Engineer prior to construction of the permitted activity. When the Permittee considers the permitted activity complete, the Permittee shall notify the District Engineer and schedule an on-site final inspection which shall be held in the presence of a representative of the Permittee and the District Engineer.

2. The permitted activity shall be implemented, constructed and/or installed in full accordance with the approved plans and specifications within six (6) full calendar years from the date of permit approval. Deviations from the approved plans or specifications shall be coordinated with and approved by the District Engineer prior to implementation of any such deviation.

3. When working in a District road right-of-way, not more than one-half (½) of the road or street shall be closed and traffic shall be controlled so as to provide for the safety and minimum hindrance to the public. All traffic control operations shall conform to the most current issue of the Florida Department of Transportation publication "Manual on Traffic Controls and safe Practices for Street and Highway Construction, Maintenance and Utility Operations."

4. The District Engineer shall be the final authority as to the quality and quantity of the material and works required to satisfy the terms and conditions of this Permit as they relate to District improvements and facilities.

5. Upon completion of the permitted activity and after its final review and acceptance by the District Engineer THE PERMITTEE SHALL DELIVER TO THE DISTRICT OFFICE ONE COMPLETE SET OF THE FINAL "RECORD DRAWINGS." FAILURE TO PROVIDE THE FINAL RECORD DRAWINGS MAY RESULT IN THE REVOCATION, CANCELLATION AND TERMINATION OF THIS PERMIT.

6. The above Conditions shall be continuing obligations of the Permittee and shall be complied with in the event of any subsequent maintenance, repair, replacement or modification of the permitted improvement.

Stipulations:

1). Permit #26-105 is approved according to the plans submitted May 28th, 2026.

2). The proposed directional bore must maintain a minimum clearance of 10 feet below the bottom elevation of the canal for the entire 100' within the canal right of way.

3). Permanent utility markers, (at least 4' high) with the utility companies contact information clearly labeled on it, must be installed at each canal right of way line over top the proposed line.

4). All guy wires, poles, pull boxes, etc. must be located outside of the canal right of way and not interfere with the District's canal maintenance activities.

5). All canal R/W that is disturbed must be restored with sod and maintained until well established (no seeding will be allowed).

6). Boring contractor is not allowed to pump water out of the LAMSID canals for their boring operations unless they apply for and receive a water use permit from LAMSID.

7). The Permittee will be responsible for any repairs, alterations, or relocation of the utility if required for repairs or maintenance of the canal in the future.

8). Provide LAMSID with a copy of your record drawings and a copy of your bore depth logs showing where your utilities are located within the canal R/W and at what elevation they are located, within 30 days following completion of the improvements.

9). Lee County DOT must review and approve the utility work that is outside of the canal right of way along Windermere Dr.

PART I

DATE SUBMITTED: 05 - 28 - 26

PERMIT #: 26 - 105

APPLICATION FOR A PERMIT

*Note: The review of permit applications will be conducted per the Lehigh Acres Municipal Services Improvement District's Administrative Policy and Procedures

AGENT NAME: TEP-OPCO, LLC **PHONE #:** (502)552-2733

PROJECT NAME: U38572 - SKIPPER CANAL - 537 WINDERMERE DR-LA-MSID-1

TOTAL ACREAGE: N/A

Property Address (STRAP associated with this address will be used as the primary STRAP for this project): 537 WINDERMERE DR					
Mailing Address:					
City:	LEHIGH ACRES	**State:**	FL	**Zip:**	33972

STRAP NUMBERS (*attach additional sheet if necessary):*

0	5	4	4	2	7	L	4	2	9	1	9	5	0	0	1	0			

Brief description of proposed project:

Application for:

Directional bore placing 198' of (2) 1.25" HDPE SDR 11 Conduit Equipped with (1) 288-CT Microfiber Optic cable under Skipper Canal along the South side of Windermere Dr between Mayberry Dr and Roderick Ln. Tobin St.

Is the project proposed to be developed in phases? ☐ Yes ☑ No

Estimated # of Phases:	1
***Permit Fee:**	$ 2,250.00 **(to be verified by staff)**

* See Administrative Policy and Procedures Sections 4.15 – 4.17 for current Permit Fee Amount.

RECEIVED
MAY 28 2026
LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

PART II

OWNER/APPLICANT/ DEVELOPER INFORMATION

A.

Name of Applicant	Lumos Fiber of Florida, LLC						
Mailing Address:	**Street:**	4100 Mendenhall Oaks Parkway, Suite 300					
City:	High Point	**State:**	NC		**Zip:**	27265	
Phone No.	**Area Code:**	515	**Number:**	306 - 3403	**Ext.**		
Fax No.	**Area Code:**		**Number:**	-			
E-mail Address:	william.kiefer@lumosfiber.com						

B. Relationship of applicant to property*:

☐ **Owner*** ☐ **Trustee*** ☐ **Option holder*** ☐ **Lessee***

☐ **Contract Purchaser*** ☑ **Other (indicate)*** Utility

C.

Name of Developer:						
Mailing Address:	**Street:**					
City:		**State:**		**Zip:**		
Phone No.	**Area Code:**	( )	**Number:**	-	**Ext.**	
Fax No.	**Area Code:**	( )	**Number:**	-		
E-mail Address:						

D.

Name of Authorized Agent(s):	TEP OPCO, LLC.					
Mailing Address:	**Street:**	5906-A Breckenridge Pkwy				
City:	Tampa	**State:**	FL	**Zip:**	33610	
Phone No.	**Area Code:**	(502)	**Number:**	552 - 2733	**Ext.**	
Fax No.	**Area Code:**	( )	**Number:**	-		
E-mail Address:	FL-permitting@tepgroup.net					

E.

Name of Property Owner:						
Mailing Address:	**Street:**					
City:		**State:**		**Zip:**		
Phone No.	**Area Code:**	( )	**Number:**	-	**Ext.**	
Fax No.	**Area Code:**	( )	**Number:**	-		
E-mail Address:						

*A disclosure of the name of all persons or entities having an ownership interest in the property is required (attached).

PART III

DISCLOSURE OF OWNERSHIP INTEREST FORM FORM:

PRIMARY STRAP NUMBER: | | | - | | | - | | | - | | | - | | | | | - | | | |

1. If the property is owned in the fee simple by an **INDIVIDUAL**, tenancy by the entirety, tenancy in common, or joint tenancy, list all parties with an ownership interest as well as the percentage of such interest.

Name and Address	Percentage of Ownership
N/A	

2. If the property is owned by a **CORPORATION**, list the officers and stockholders and the percentage of stock owned by each.

Name, Address, Office	Percentage of Stock
N/A	

3. If the property is in the name of a **TRUSTEE**, list the beneficiaries of the trust with percentages of interest.

Name and Address	Percentage of Interest
N/A	

4. If the property is in the name of a **GENERAL PARTNERSHIP OR LIMITED PARTNERSHIP**, list the names of general and limited partners.

Name and Address	Percentage of Interest
N/A	

5. If there is a **CONTACT FOR PURCHASE**, whether contingent on this application Or not, and whether a Corporation, Trustee, or Partnership, list the names of the contract purchasers below, including the officers, stockholders, beneficiaries, or partners.

Name and Address	Percentage of Interest
N/A	

Date of Contract (mm/dd/yy): / /

6. If any contingency clause or contract terms involve additional parties, list all individuals or officers, if a corporation, partnership, or trust.

Name and Address	Percentage of Interest
N/A	

For any changes of ownership of changes in contracts for purchase subsequent to the date of the application, but prior to the date of final certificate for compliance, a supplemental disclosure of interest must be filed.

The above is a full disclosure of all parties of interest in this application, to the best of my knowledge and belief.

William Kiefer
SIGNATURE OF APPLICANT

William Kiefer
PRINTED OR TYPED NAME OF APPLICANT

STATE OF FLORIDA
COUNTY OF LEE

The foregoing instrument was acknowledged before me this 7th day of May (m) 2026 (y), by William Kiefer who is personally know to me or has produced _____ as identification.

Anna M. Baker
SIGNATURE OF NOTARY PUBLIC

Anna M. Baker
PRINTED NAME OF NOTARY PUBLIC

ANNA M. BAKER
MY COMMISSION # HH 582094
EXPIRES: August 13, 2028

PART IV

EXPLANATION

All Permit Application sections must be completed and submitted.

Permit Application fees and submittal items (see Part VI) must be submitted with the application.

Any and all work involving the lands and/or facilities of the District shall not commence without a Board approved permit.

All set policies, procedures, technical requirements, and fee schedules can be found and reviewed in the 'Administrative Policy and Procedures Guide'. The Guide is available at the District Office located at 601 East County Lane, Lehigh Acres, FL or online at la-msid.com/.

PART V

PROFESSIONAL CONSULTANT FORM

ATTORNEY

Name:							
Mailing Address:							
City:		**State:**				**Zip:**	
Business No.	**Area Code:**	( )	**Number:**	-		**Ext.**	
Other Contact:							

ENGINEER

Name:	TEP-OPCO, LLC JOSH CARDEN						
Mailing Address:	326 Tyron Road						
City:	Raleigh	**State:** NC				**Zip:**	27603
Business No.	**Area Code:**	(336)	**Number:**	214 -2099		**Ext.**	
Other Contact:							

OTHER REPRESENTATIVE/PROFESSIONAL

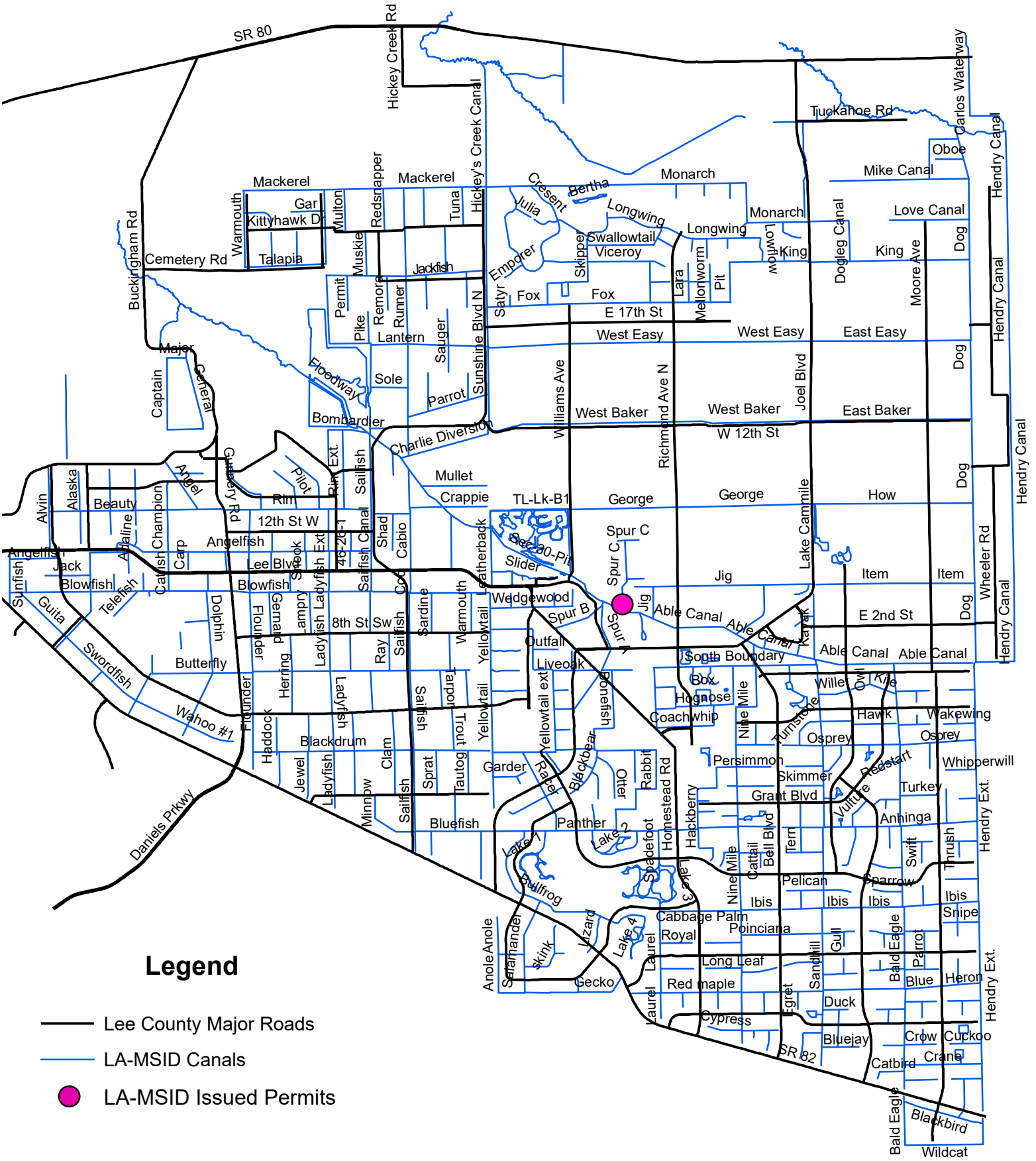
Name:	McKim & Creed						
Mailing Address:	5701 Division Drive, Suite A						
City:	Fort Myers	**State:**	FL			**Zip:**	33905
Business No.	**Area Code:**	(239)	**Number:**	275 - 8875		**Ext.**	
Other Contact:							

PART VI

SUBMITTALS

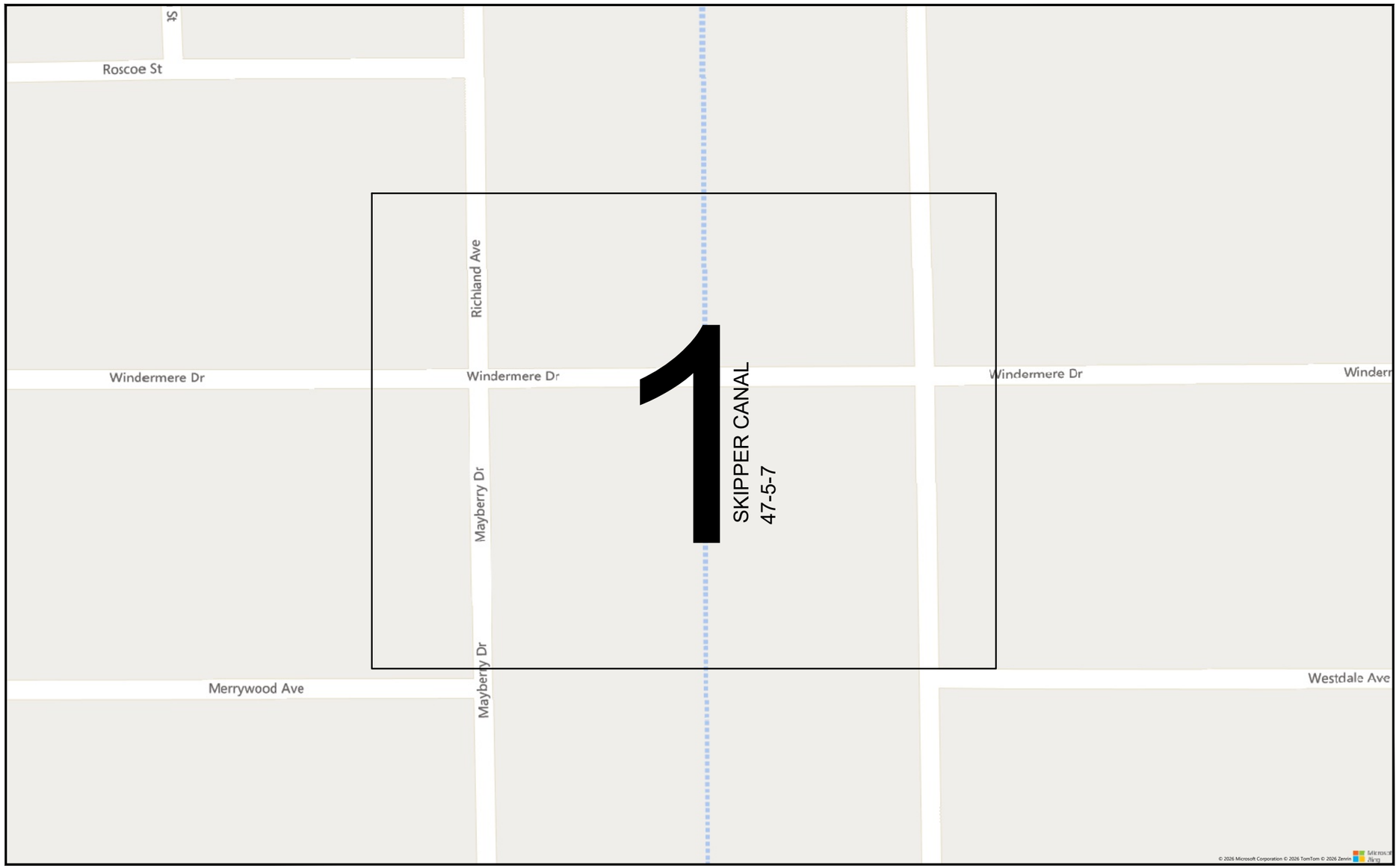
NO. OF COPIES		SUBMITTAL DOCUMENT
SUB'D	REQ'D	
		ITEMS REQUIRED FOR INITIAL SUBMITTAL
	2	**Construction/Development Plans** signed and sealed by a Licensed Florida Professional Engineer including: 1. Location map showing the location of the proposed project in relation to adjacent streets and LA-MSID facilities. 2. Details of proposed works that fully communicate the work and/or use desired (i.e. Existing Conditions Survey, Proposed Site Plan, Paving Grading & Drainage Plan, Cross Sections, Element Details, and Erosion Control Plan sheets). 3. Sufficient survey data to determine elevations, property and ROW lines, limits of existing and proposed conditions, and notation of utilized vertical datum (NAVD/NGVD).
	2	**Stormwater Drainage Calculations** signed and sealed by a Licensed Florida Professional Engineer including, but not limited to, computer stormwater routing modeling data (ICPR4, Cascade, etc.) to verify compliance with the Design Criteria (input summary data below): **Water Quality Volume (Required):** _____(ACRE-FT) **Water Quality Volume (Provided):** _____(ACRE-FT) **Control Elevation:** _____(FT-NGVD) **Minimum Road/Parking Elevation:** _____(FT-NGVD) *(above the 10-year, 1-day design storm peak stage elevation)* **Minimum Perimeter Berm Elevation:** _____(FT-NGVD) *(above the 25-year, 3-day design storm peak stage elevation)* **Minimum Finished Floor Elevation:** _____(FT-NGVD) *(above the 100-year, 3-day design storm peak stage elevation and previously experienced high-water levels external to project)*
	2	**Flash Drive / CD** containing plans in both AutoCAD (.dwg file drawn in "State Plane Coordinates") and PDF formats.
	2	**Permit Application** (PARTS I & II)
	2	**Disclosure of Owner Form (signed and notarized)** (PART III)
	2	**Professional Consultant Form & Submittals** (PARTS V & VI)
	2	**Copy of Approved FDEP Notice of Intent (NOI)** for all sites one (1) acre and greater in size.
	2	**Copy of approved SWFMD permit**, for all sites required to get a permit, **or FDEP "10/2 Self-Certification"** approval.
	1	**Check for appropriate Permit Fees** made out to LA-MSID.

Permit # 2026-92



U38572 - SKIPPER CANAL - 537 WINDERMERE DR-LA-MSID-1

537 WINDERMERE DR, LEHIGH ACRES, FL 33972 (26.674933, -81.642895)



Know what's below
Call before you dig.

N

PERMIT #:

PROJECT DESCRIPTION

- BURIED PLACEMENT OF 198' OF (2) 1.25" HDPE SDR 11 CONDUIT EQUIPPED WITH (1) 288-CT MICROFIBER OPTIC CABLE. (2) PROPOSED HANDHOLES.
- PIPE TO BE INSTALLED BY MEANS OF HORIZONTAL DIRECTIONAL DRILLING AND HAND DIGGING METHODS.
- ALL AREAS DISTURBED BY INSTALLATION TO BE RESTORED TO EXISTING OR BETTER CONDITION.

SHEET INDEX

A - COVER SHEET
B - SOW & CONTACTS
C - LEGEND
D1-D2 - GENERAL NOTES
E - CONSTRUCTION NOTES
F-H - TYPICALS
1- 1 - PROJECT SHEETS
1A - PROFILE VIEW
I1 - I2 - IMAGES

lumos

TEP

5906 BRECKENRIDGE PKWY, SUITE A
TAMPA, FL 33610

TEP IS A FAMILY OF COMPANIES LICENSED TO PROVIDE DIFFERENT SERVICES IN DIFFERENT JURISDICTIONS. DEPENDING ON THE JURISDICTION, PROFESSIONAL ENGINEERING AND LAND SURVEYING SERVICES ARE PROVIDED BY TEP OPCO LLC, A DELAWARE LIMITED LIABILITY COMPANY, TEP ENGINEERING, PLLC, A NORTH CAROLINA PROFESSIONAL LIMITED LIABILITY COMPANY, OR M&H ENGINEERING, PLLC, A NEW YORK PROFESSIONAL LIMITED LIABILITY COMPANY. GENERAL CONTRACTOR SERVICES ARE PROVIDED BY TEPDB OPCO LLC, A DELAWARE LIMITED LIABILITY COMPANY. WE ACQUIRE THE REQUISITE LICENSES IN EACH STATE. ADDITIONAL INFORMATION CAN BE OBTAINED FROM THE COMPANY. THESE DRAWINGS ARE INTENDED TO DEPICT FIBER OPTIC CABLES, CONDUITS, AND RELATED INFRASTRUCTURE WITHIN THE PUBLIC RIGHT-OF-WAY (R/W) OR AREAS WITH VALID, RECORDED EASEMENTS OR LEASES, HOWEVER R/W LOCATIONS ARE BASED SOLELY ON GEOGRAPHIC INFORMATION SYSTEMS (GIS) DATA FROM THE LOCAL JURISDICTION. SURVEYS TO VERIFY R/W OR PROPERTY BOUNDARIES WERE NOT PERFORMED. WHERE INSTALLATION ROUTES EXTEND BEYOND THE R/W, THE UTILITY OWNER/OPERATOR IS SOLELY RESPONSIBLE FOR SECURING AND PROVIDING ALL NECESSARY EASEMENTS, LEASES, OR PROPERTY RIGHTS PRIOR TO CONSTRUCTION. CONTRACTORS SHALL RELY ON THE UTILITY OWNER/OPERATOR'S DOCUMENTATION AND ARE RESPONSIBLE FOR ENSURING THAT CONSTRUCTION OCCURS ONLY WITHIN AUTHORIZED AREAS. TEP, THE ENGINEER, DESIGNER, AND CREATOR OF THESE DRAWINGS ASSUME NO RESPONSIBILITY OR LIABILITY FOR UNAUTHORIZED PLACEMENT OF UTILITIES OUTSIDE THE PUBLIC R/W OR ON PRIVATE PROPERTY WITHOUT PROPER LEGAL AUTHORIZATION. ALL INSTALLATIONS MUST COMPLY WITH APPLICABLE LAWS AND REGULATIONS.

TEP OPCO, LLC
5906-A Breckenridge Pkwy, Tampa, FL 33610
FL COA# 31011
Shaine Herrick - Project Manager
sherrick@tepgroup.net

LUMOS
William Kiefer - OSP Project Engineer
william.kiefer@lumosfiber.com
Phone: (515) 306-3403

Jason Bush
jason.bush@lumosfiber.com
Phone: (850) 428-1313

REV	DESCRIPTION	INITIALS	DATE
0	ORIGINAL	DC	05/05/2026

TEP OPCO, LLC FL COA# 31011

JOSHUA H. CARDEN LICENSE No 83511 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 5th, 2026

This item has been digitally signed and sealed by JOSHUA H. CARDEN on the date adjacent to the seal.

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

SHEET TITLE:
COVER PAGE

PROJECT MANAGER:	SHAINE HERRICK
PROJECT ENGINEER:	DARIA COSTIN
PROJECT NUMBER:	U38572
DESCRIPTION:	537 WINDERMERE DR
DRAWING NAME:	U38572 - SKIPPER CANAL - 537 WINDERMERE DR-LA-MSID-1

SHEET:
A of 1

CONFIDENTIAL/PROPRIETARY

SCOPE OF WORK

- BURIED PLACEMENT OF 198' OF (2) 1.25" HDPE SDR 11 CONDUIT EQUIPPED WITH (1) 288-CT MICROFIBER OPTIC CABLE. (2) PROPOSED HANDHOLES.
- PIPE TO BE INSTALLED BY MEANS OF HORIZONTAL DIRECTIONAL DRILLING AND HAND DIGGING METHODS.
- ALL AREAS DISTURBED BY INSTALLATION TO BE RESTORED TO EXISTING OR BETTER CONDITION.

UTILITY OWNER CONTACTS

LUMOS
William Kiefer - OSP Project Engineer
william.kiefer@lumosfiber.com
Phone: (515) 306-3403

Jason Bush
jason.bush@lumosfiber.com
Phone: (850) 428-1313

ENGINEERING COMPANY

TEP OPCO, LLC
5906 BRECKENRIDGE PKWY, SUITE A
TAMPA, FL 33610

DIRECTOR - OSP OPERATIONS:
ALEX MORA
OFFICE : 704-751-1123
AMORA@TEPGROUP.NET

PROJECT MANAGER:
SHAINE HERRICK
SHERRICK@TEPGROUP.NET

UTILITIES CONTACTS

CENTURYLINK
BILL MCCLOUD
(850) 815-3144

COMCAST
CHAD EVENER
(941) 356-1564

FLORIDA POWER & LIGHT--LEE
FPL CABLE LOCATIONS-DISTRIBUTION SDD/MPE - EDGAR.AGUILAR@FPL.COM, JAMIE.PURNELL@FPL.COM

LUMOS FIBER OF FLORIDA, LLC
JASON BUSH
(850) 428-1313
JASON.BUSH@LUMOSFIBER.COM

FLORIDA GOVERNMENTAL UTILITIES AUTHORITY - LEHIGH
POTABLE WATER/SANITARY SEWER
LINA MARIA QUINTERO, PE
(727) 858-2396

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT
MICHAEL COOK
(239) 368-0044 Ext. 16
MCOOK@LA-MSID.COM
STORM WATER/CANALS

LEE COUNTY DEPARTMENT OF TRANSPORTATION (DOT)
COMMERCIAL RIGHT OF WAY USE PERMIT
(239) 533-8580
ROADS

FDOT
DISTRICT 1 - COUNTIES: CHARLOTTE, COLLIER, DESOTO, GLADES, HARDEE, HENDRY, HIGHLANDS, LEE, MANATEE, OKEECHOBEE, POLK, SARASOTA
801 N. BROADWAY AVENUE
BARTOW, FLORIDA 33830
PHONE: (800) 292-3368
PHONE: (239) 225-1900

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TAMPA, FL 33610

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REV	DESCRIPTION	INITIALS	DATE
0	ORIGINAL	DC	05/05/2026

TEP OPCO, LLC FL COA# 31011

JOSHUA H. CARDEN LICENSE No 83511 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 5th, 2026

This item has been digitally signed and sealed by JOSHUA H. CARDEN on the date adjacent to the seal.

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SHEET TITLE:
SOW & CONTACTS

PROJECT MANAGER:	SHAINE HERRICK
PROJECT ENGINEER:	DARIA COSTIN
PROJECT NUMBER:	U38572
DESCRIPTION:	537 WINDERMERE DR
DRAWING NAME:	U38572 - SKIPPER CANAL - 537 WINDERMERE DR-LA-MSID-1
SHEET:	B of 1

CONFIDENTIAL/PROPRIETARY

LEGEND

LINETYPES

- UG FIBER – EXISTING
- UG FIBER – PROPOSED
- AERIAL FIBER – EXISTING
- AERIAL FIBER – PROPOSED
- COMMUNICATION (COM)
- RECLAIM WATER (RCW)
- DITCH
- GUARDRAIL
- ROAD CENTERLINE
- EASEMENT (ESMT)
- GAS (G)
- WATER (W)
- TELEPHONE (T)
- ELECTRIC (E)
- SANITARY SEWER (SEW)
- STORM DRAIN (SD)
- FENCE (X)
- CABLE TV (TV)
- STEAM (STM)
- OIL (OIL)
- UNKNOWN UTILITY (UNK)
- RIGHT OF WAY (R/W)
- EDGE OF PAVEMENT (EOP)
- SIDEWALK (S/W)

SYMBOL / DESCRIPTION

SYMBOL	DESCRIPTION
BP	BORE PIT
EOP	EDGE OF PAVEMENT
EOTW	EDGE OF TRAVEL WAY
FOC	FIBER OPTIC CABLE
HDPE	HIGH DENSITY POLYETHYLENE
HH	HANDHOLE
JB	JUNCTION BOX
MH	MANHOLE
MP	MILE POST
O/S	OFFSET
PVC	POLY VINYL CHLORIDE
RGS	RIGID GALVANIZED STEEL CONDUIT
ROW	RIGHT OF WAY
S/W	SIDEWALK
STA.	STATION

- CB — CABINET
- P — PEDESTAL
- E — ELECTRIC
- EM — ELECTRIC METER
- MH — MANHOLE
- R — RISER
- T — TELEPHONE
- P — POWER VAULT
- CATCH BASIN/INLET
- FIRE HYDRANT
- GROUND/BOND
- STREET LIGHT
- TREE
- CULVERT
- WING WALL
- BRIDGE
- U — MISC. UTILITY
- UTILITY POLE – EXISTING
- OWNER ID — POLE – PROPOSED
- HH — HANDHOLE – EXISTING
- HH — HANDHOLE – PROPOSED
- PD — PEDESTAL – PROPOSED
- MKR — PROMARK DOME MARKER POST
- BORE PIT – PROPOSED

- 0' — AERIAL STORAGE – EXISTING
- 0' — AERIAL STORAGE – PROPOSED
- 0' — VAULT/BUILDING STORAGE – EXISTING
- 0' — VAULT/BUILDING STORAGE – PROPOSED
- POLE ANCHOR/DOWN GUY – EXISTING
- POLE ANCHOR/DOWN GUY – PROPOSED
- PROPOSED DOWN GUY ON EXISTING ANCHOR
- FDP / NAME / SIZE / LOCATION — TERMINATION – EXISTING
- FDP / NAME / SIZE / LOCATION — TERMINATION – PROPOSED
- BUILDING / NAME / STREET — BUILDING CALLOUT – PROPOSED
- MANUFACTURER NAME — SPLICE POINT – EXISTING
- MANUFACTURER NAME — SPLICE POINT – PROPOSED

#F	IN:	0
	OUT:	0

SEQUENTIAL CALLOUT

#F	IN:	0
	TAIL:	0

SEQUENTIAL IN TAIL CALLOUT

#F	TAIL:	0
	OUT:	0

SEQUENTIAL TAIL OUT CALLOUT

POLE NO	N/A
UTILITY1	0'–0"

POLE ATTACHMENT CALLOUT – EXISTING
USE DYNAMIC PULL DOWN TO SELECT
FROM 1 TO 6 ATTACHMENTS

POLE NO	N/A
UTILITY1	0'–0"

POLE ATTACHMENT CALLOUT – PROPOSED
USE DYNAMIC PULL DOWN TO SELECT
FROM 1 TO 6 ATTACHMENTS

lumos

TEP

5906 BRECKENRIDGE PKWY, SUITE A
TAMPA, FL 33610

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TEP OPCO, LLC — FL COA# 31011

JOSHUA H. CARDEN LICENSE No 83511 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 5th, 2026

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SHEET TITLE: LEGEND

PROJECT MANAGER:	SHAINE HERRICK
PROJECT ENGINEER:	DARIA COSTIN
PROJECT NUMBER:	U38572
DESCRIPTION:	537 WINDERMERE DR
DRAWING NAME:	U38572 - SKIPPER CANAL - 537 WINDERMERE DR-LA-MSID-1

SHEET: C of 1

CONFIDENTIAL/PROPRIETARY

GENERAL NOTES

GENERAL NOTES

CONTRACTOR MUST OBTAIN LOCATES PRIOR TO DISTURBING THE GROUND.

CONTRACTOR MUST HAVE A COPY OF THE APPROVED PERMIT FROM THE APPROPRIATE AGENCY ON THE JOBSITE AT ALL TIMES.

ALL CABLE WILL BE PLACED AT A MINIMUM DEPTH OF 36" DEEP UNLESS OTHERWISE DIRECTED BY A REPRESENTATIVE OF THE UTILITY OWNER.

ANY LANDSCAPING WILL BE REPLACED TO EQUAL OR BETTER THAN THAT WHICH EXISTED PRIOR TO WORK, 72 HOURS AFTER COMPLETION OF WORK.

PROJECT SITE WILL BE PROPERLY SECURED PRIOR TO THE END OF EACH DAY.

ALL WORK IS TO BE IN ACCORDANCE WITH ALL AUTHORITIES HAVING JURISDICTION IN THE WORK ZONE.

CONTRACTORS ARE ADVISED TO CONTACT THE PROJECT MANAGER FOR ANY ADDITIONAL INFORMATION OR CLARIFICATION CONCERNING SCOPE OF WORK OR THE REQUIREMENTS NECESSARY FOR PROJECT COMPLETION.

CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY ALL DIMENSIONS, QUANTITIES AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION. IF A SIGNIFICANT CHANGE TO THE RUNNING LINE IS NEEDED, PLEASE CONTACT THE PROJECT MANAGER BEFORE PROCEEDING.

BEFORE CONSTRUCTION BEGINS, CONTRACTOR SHALL TAKE APPROPRIATE PRECAUTIONS TO AVOID ANY POTENTIAL OBSTRUCTIONS PRIOR TO PROCEEDING WITH WORK.

NO CONSTRUCTION ON PRIVATE PROPERTY WILL COMMENCE UNTIL APPROVAL IS GIVEN BY A REPRESENTATIVE OF THE UTILITY OWNER.

CONTRACTOR SHALL NOT PROCEED WITH WORK UNTIL THEY HAVE RECEIVED A PURCHASE ORDER AND HAVE BEEN DIRECTED TO DO SO BY AN AUTHORIZED REPRESENTATIVE OF THE UTILITY OWNER.

CONTRACTOR SHALL NOT EXCEED THE PURCHASE ORDER VALUE WITHOUT AUTHORIZATION IN WRITING FROM THE APPROPRIATE REPRESENTATIVE OF THE UTILITY OWNER.

AS-BUILTS WILL BE REQUIRED FOR EACH PROJECT INCLUDING CABLE FOOTAGE SEQUENTIALS AT EVERY ACCESS POINT, SLACK LOOP, SPLICE LOCATION, POLE AND TERMINATION POINT. CONTRACTOR SHOULD ALSO PROVIDE NOTES OF ALL CHANGES IN DEPTHS, RUNNING LINES, MH/HH LOCATIONS, AND ANY OTHER APPLICABLE NOTES TO DEPICT THE WORK THAT TOOK PLACE. NOTE: ALL MAJOR CHANGES NEED TO BE PRE-APPROVED BY AN AUTHORIZED REPRESENTATIVE OF THE UTILITY COMPANY PRIOR TO STARTING THE WORK.

SITE CONDITIONS

THE ACTUAL LOCATION OF EXISTING CONDUIT AND CABLES MAY VARY FROM THE LOCATION SHOWN. REPAIR OF ANY DAMAGED CONDUIT CONTAINING CABLE SHALL BE MADE BY USE OF PVC SPLIT DUCT. THE CONTRACTOR SHALL ENCLOSE THE EXISTING CABLES IN PVC.

THE LOCATIONS OF EXISTING UTILITIES SHOWN IN THIS PLAN ARE APPROXIMATE. WHEN WORK IS TO BE CONDUCTED IN THE VICINITY OF KNOWN UTILITIES, THEIR ACTUAL LOCATION MUST BE FIELD VERIFIED TO AVOID CONFLICTS OR DAMAGE TO THOSE UTILITIES. VARIATION IN LOCATION BETWEEN "RECORDED POSITIONS" AND ACTUAL POSITIONS SHOULD BE ANTICIPATED.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES. BURIED UTILITIES MAY EXIST IN THE AREA IN ADDITION TO THOSE SHOWN ON THE PLAN. THE CONTRACTOR SHALL CONTACT PROPERTY OWNERS WHEN WORKING WITHIN PRIVATE EASEMENTS FOR LOCATION OF UNDERGROUND TANKS, PIPELINES, DRAIN TILES, OR OTHER BURIED IMPROVEMENTS. THE CONTRACTOR SHALL ALSO NOTIFY THE UTILITY NOTIFICATION CENTER PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITIES.

THE CONTRACTOR MUST ASSUME ALL BURIED UTILITIES ENCOUNTERED ARE ALIVE AND ACTIVE UNLESS SPECIFICALLY INSTRUCTED OTHERWISE BY OWNERS OR OPERATORS OF SAID UTILITIES.

DAMAGE TO SUB-SURFACE STRUCTURES IS THE SOLE RESPONSIBILITY OF THE PLACING CONTRACTOR.

THE CONTRACTOR SHALL PROTECT THE EXISTING TRAFFIC CONTROL LOOPS. IF EXISTING TRAFFIC CONTROL LOOPS ARE DAMAGED DURING CONSTRUCTION, THE ENTIRE LOOP WIRE FROM TERMINAL TO TERMINAL SHALL BE REPLACED IN ACCORDANCE WITH GOVERNING AGENCY STANDARDS AND REGULATIONS AT CONTRACTOR'S EXPENSE.

REMOVAL OF EXISTING ASPHALT PAVEMENT, CONCRETE CURBS, AND CONCRETE SIDEWALKS WILL BE "NEAT LINE" WITH SAW OR PAVEMENT CUTTER, PER REQUIREMENTS AND SPECIFICATIONS OF THE AGENCY OR DEPARTMENT RESPONSIBLE FOR EACH LOCATION. IF CONCRETE PAVEMENT IS ENCOUNTERED WHILE EXCAVATING CONDUIT TRENCHES, THE CONCRETE REMOVAL WILL BE "NEAT LINE" WITH A PAVEMENT SAW.

IF CONCRETE CURB RETURNS AND/OR SIDEWALKS ARE REPLACED DUE TO CONDUIT OR MANHOLE INSTALLATION, THE CONTRACTOR SHALL PLACE APPROVED HANDICAPPED SIDEWALK AND CURB ACCESS RAMPS IN CONFORMANCE WITH THE APPROPRIATE STATE STATUTES.

ALL MATERIALS NECESSARY FOR THE REPAIR OF STREETS, CURBS, SIDEWALKS, SANITARY SEWERS, STORM SEWERS, AND PUBLIC SERVICE UTILITIES, AND THE INSTALLATION OF SUCH MATERIALS SHALL BE IN CONFORMANCE WITH THE REQUIREMENTS AND SPECIFICATIONS OF THE AGENCY OR DEPARTMENT RESPONSIBLE FOR THE OPERATION AND MAINTENANCE OF THE REPAIRED FACILITY.

ALL WORK SHALL CONFORM TO THE SPECIFICATIONS OF THE JURISDICTIONAL PERMIT AGENCY.

ALL OPEN TRENCH WILL BE CLEARLY MARKED WITH BARRICADES OR CONES. STEEL PLATES OR OTHER TYPES OF BRIDGING SHALL BE PROVIDED TO COVER OPEN TRENCH IN THE TRAVEL PORTION OF THE STREETS. THESE PLATES OR BRIDGING SHALL BE ADEQUATE TO SUPPORT THE NORMAL VEHICLE LOADS ANTICIPATED IN THIS AREA AND SHALL BE IN PLACE DURING ALL NON-WORKING AREAS.

ALL SURFACES TO BE RESTORED TO ORIGINAL CONDITION, AND BACKFILL TO BE COMPACTED AS SPECIFIED. TRENCH EXCAVATION IN SURFACES WHICH INCLUDE CONCRETE TREATED BASE SHALL FOLLOW LOCAL AREA SPECIFICATIONS.

HAZARDOUS MATERIALS

THE CONTRACTOR SHALL NOTIFY THE JURISDICTIONAL PERMIT AGENCY IMMEDIATELY IF ANY MATERIALS ARE ENCOUNTERED THAT ARE CONSIDERED HAZARDOUS BY THE EPA, DEQ, OR OSHA. IF POTENTIALLY HAZARDOUS MATERIALS ARE ENCOUNTERED THE CONTRACTOR SHALL SECURE THE SITE AND PREVENT THE ACCIDENTAL EXPOSURE BY THE PUBLIC OR THE CONTRACTOR'S PERSONNEL.

THE CONTRACTOR MAY EXCAVATE UP TO, BUT SHALL NOT DISTURB KNOWN HAZARDOUS MATERIALS SUCH AS ASBESTOS, OILS, ACID, ETC. THE REMOVAL OF ALL HAZARDOUS MATERIALS MUST BE DONE BY AN APPROVED OR CERTIFIED HAZARDOUS MATERIALS CONTRACTOR LICENSED IN THE APPROPRIATE STATE.

A COPY OF ALL CORRESPONDENCE PERTINENT TO THE REMOVAL OF HAZARDOUS MATERIALS SHALL BE TRANSMITTED TO OWNER AND A COPY SHALL BE AVAILABLE AT THE PROJECT OFFICE AND THE JOB SITE.

AERIAL NOTES

- AERIAL CONSTRUCTION TO BE PERFORMED TO INDUSTRY ACCEPTABLE STANDARDS.
- ALL HEIGHTS OF CABLE PLACEMENT WILL BE RECORDED AT TIME OF CONSTRUCTION. DOCUMENT ALL POINTS OF ATTACHMENT.
- ALL EXTENSION ARMS TO BE PLACED WILL BE EPOXY ARMS UNLESS OTHERWISE NOTED OR APPROVED BY THE INSPECTOR.
- BOND STRAND TO POWER MGN WHERE APPLICABLE. ANCHORS TO BE USED WILL BE 3/4 SCREW IN TYPE.
- ALL STRAPS WILL BE PLACED 4" BEFORE AND AFTER EVERY SUPPORTING CLAMP AT A MINIMUM OF 21" APART.
- P.O.A. = POINT OF ATTACHMENT.
- ADD MISSING GROUNDS.
- REPAIR/REPLACE EXISTING LASHING WIRE IF DAMAGED.

CONSTRUCTION STAKING

IN AREAS WHERE THE CONDUIT ALIGNMENT IS NOT CLEARLY DEFINED BY CURB LINES, FENCE LINES, OR OTHER EVIDENCE OF THE RIGHT-OF-WAY, THE ENGINEER WILL PROVIDE CENTERLINE STAKES OR PAINT MARKS WHERE REQUIRED TO MAKE THE PROPOSED CONDUIT ALIGNMENT EVIDENT.

MANHOLE CENTERS WILL BE FIELD STAKED BY THE ENGINEER WHEN REQUESTED WITH OFFSET STAKES AT RIGHT ANGLES (90°) TO THE CONDUIT ALIGNMENT.

CLOSURES IDENTIFIED IN THE PLANS SHALL BE LOCATED BY THE CONTRACTOR. DEVIATION FROM PLAN LAYOUT SHALL BE APPROVED BY THE ENGINEER PRIOR TO CONDUIT AND/OR CLOSURE INSTALLATION.

IF ADDITIONAL, FIELD STAKING OR LOCATION OF CONDUITS, MANHOLES, PROPERTY LINES, ETC., BECOMES NECESSARY, THE CONTRACTOR IS TO NOTIFY THE INSPECTOR OR THE ENGINEER TWO WORKING DAYS PRIOR TO BEGINNING THE WORK.

lumos

TEP

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TAMPA, FL 33610

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REV	DESCRIPTION	INITIALS	DATE
0	ORIGINAL	DC	05/05/2026

TEP OPCO, LLC FL COA# 31011

JOSHUA H. CARDEN LICENSE No 83511 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 5th, 2026

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SHEET TITLE:
GENERAL NOTES

PROJECT MANAGER:	SHAINE HERRICK
PROJECT ENGINEER:	DARIA COSTIN
PROJECT NUMBER:	U38572
DESCRIPTION:	537 WINDERMERE DR
DRAWING NAME:	U38572 - SKIPPER CANAL - 537 WINDERMERE DR-LA-MSID-1

SHEET:
D1 of 1

CONFIDENTIAL/PROPRIETARY

GENERAL NOTES

PERMITS - FRANCHISES - EASEMENTS

PHYSICAL WORK SHALL NOT BE STARTED UNTIL THE GOVERNING AGENCY INSPECTOR AND THE CONTRACTOR ARE IN POSSESSION OF AND HAVE CAREFULLY REVIEWED AND FULLY UNDERSTAND ALL CONDITIONS AND SPECIFICATIONS SET FORTH IN THE REQUIRED PERMITS, FRANCHISES, AND/OR EASEMENTS.

PLACING FOREMAN TO HAVE A COPY OF THE PERMITS/EASEMENTS ON SITE AT ALL TIMES.

ANY CONFLICT BETWEEN WORK PRINT SPECIFICATIONS AND SPECIFICATIONS SET FORTH UNDER RELATED PERMITS, FRANCHISES, AND/OR EASEMENTS MUST BE CLEARED BY PROPER COMPANY AUTHORITY BEFORE PROGRESSING WITH WORK INVOLVED

TRAFFIC CONTROL

THIS PROJECT WILL INVOLVE WORKING ALONG A MAJOR ARTERIAL ROAD AND HEAVY TRAFFIC VOLUME SHOULD BE ANTICIPATED.

UNIFORM TRAFFIC FLOW SHALL BE MAINTAINED AT ALL TIMES. ONLY EQUIPMENT AND MATERIALS NECESSARY FOR IMMEDIATELY SCHEDULED OR IN PROGRESS WORK WILL BE MAINTAINED IN THE WORK AREA. ALL OTHER EQUIPMENT AND MATERIALS WILL BE "STORED OR STOCKPILED" IN SUCH A MANNER AS TO ELIMINATE HAZARDOUS CONDITIONS FOR TRAFFIC OR PEDESTRIANS DURING NON-WORKING OR SHUT DOWN PERIODS.

TRAFFIC WARNING DEVICES AND SIGNS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (U.S. GOVERNMENT PRINTING OFFICE) AND TO THE STATE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION. HIGH LEVEL WARNING TYPE DEVICES ARE TO BE USED AT ALL TIMES AND SPECIAL WARNING DEVICES MAY BE STIPULATED BY THE JURISDICTIONAL PERMIT AGENCY AT ANY TIME THE USE WILL ADD TO THE SAFETY AND PROTECTION OF TRAFFIC OR PEDESTRIANS IN THE CONSTRUCTION AREA.

ALL CONDUIT TRENCHING IN PAVED AREAS SHALL BE BACKFILLED WITH CRUSHED GRAVEL OR COMPLETELY COVERED AT THE COMPLETION OF EACH WORKING DAY. ANY BACKFILLED TRENCH SHALL BE CAPPED WITH A MINIMUM LAYER OF ASPHALTIC CONCRETE COLD PATCH AT THE END OF EACH WORKING DAY.

THE CONTRACTOR SHALL MARK THE CONDUIT TRENCH AND DEFINE HIS CONSTRUCTION AREA CLEARLY WITH BARRICADES, CONES, AND/OR OTHER VISIBLE METHODS THAT ALERT THE PUBLIC OF THE CONSTRUCTION ACTIVITY.

A TRAFFIC CONTROL PLAN SHALL BE PREPARED BY THE CONTRACTOR AS REQUIRED AND SUBMITTED TO EACH PERMITTING AGENCY REQUESTING SUCH PLAN FOR REVIEW AND APPROVAL OR REVISION PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITY FOR THIS PROJECT. THE APPROVED PLAN SHALL BE SUBMITTED TO THE AGENCY AND A COPY OF THE PLAN SHALL BE KEPT AT THE CONSTRUCTION SITE AND MUST BE READILY AVAILABLE REVIEW BY THE AGENCY REPRESENTATIVES.

SPECIAL UTILITY CLEARANCES

ALL WORK CONDUCTED ADJACENT TO WATER MAINS SHALL CONFORM TO THE FOLLOWING CONDITIONS:

A. WHEREVER POSSIBLE CONDUIT SHALL MAINTAIN A HORIZONTAL SEPARATION OF 3.0 FEET, MEASURED SURFACE TO SURFACE (OUTSIDE EDGE TO OUTSIDE EDGE), FROM PARALLEL WATER MAINS.

B. WHEREVER POSSIBLE, CONDUIT SHALL PASS UNDER EXISTING WATER MAINS AND MUST MAINTAIN 24" VERTICAL CLEAR SEPARATION. CONDUITS PASSING OVER WATER MAINS MUST ALSO MAINTAIN THE 24" VERTICAL SEPARATION.

C. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING THIS REQUIRED VERTICAL SEPARATION BY EITHER EXPOSING THE WATER MAIN EVERY 100 FEET IN THOSE AREAS WHERE HORIZONTAL SEPARATION IS LESS THAN 3.0 FEET OR BY UTILIZING THE DEPTHS OF ADJACENT WATER VALVES. IF THE CONTRACTOR UTILIZES THE ADJACENT WATER TO DETERMINE WATER MAIN DEPTH, HE SHALL CONTACT THE AGENCY AT EACH SUCH LOCATION AND THE AGENCY WILL DETERMINE THE NECESSARY DEPTH OF THE TOP OF THE CONDUIT AT THAT POINT.

D. THE VERTICAL AND HORIZONTAL SEPARATION SHALL BE MAINTAINED AT ALL TIMES UNLESS SPECIFICALLY REVISED BY AGREEMENT BETWEEN THE JURISDICTIONAL PERMIT AGENCY AND THE AGENCY ANY SPECIFIC DEVIATION IN VERTICAL AND HORIZONTAL SEPARATION FROM THOSE DESCRIBED SHALL BE REPORTED TO THE OWNER BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING VERTICAL AND HORIZONTAL SEPARATION AT ALL TIMES AND SHALL BE RESPONSIBLE FOR ANY AND ALL ENCROACHMENTS.

E. CLEARANCES TO STORM SEWERS AND SANITARY SEWERS SHALL BE EXACTLY THE SAME AS THOSE TO WATER MAINS.

STRUCTURE PROTECTION

MANHOLES AND CONDUIT TO BE PLACED ADJACENT TO EXISTING STRUCTURES SUCH AS BRIDGE BRIDGE FOOTINGS/PIERS, BUILDING FOUNDATIONS, WALLS, POWER AND TELEPHONE POLES, AND OTHER UTILITIES SHALL MAINTAIN A MINIMUM CLEARANCE AS SHOWN. THE CONTRACTOR SHALL NOT UNDERMINE ANY ADJACENT STRUCTURE WITHOUT SPECIFIC WRITTEN PERMISSION FROM THE OWNER/OPERATOR OF SUCH STRUCTURE.

SHORING USED AS FOUNDATION SUPPORT SHALL BE DESIGNED SPECIFICALLY FOR BOTH THE LIVE AND DEAD LOADS OF THE STRUCTURE, OR IF ONLY THE DEAD LOAD IS USED FOR DESIGN, THE CONTRACTOR SHALL PROVIDE A DETAILED LAYOUT AND PLAN OF THE METHOD OF ESTABLISHING AND MAINTAINING THE DESIGN LOAD CONDITIONS (I.E., ROAD DETOURS, TIEBACKS, ETC.).

SEE UTILITY CLEARANCE SECTION NOTES FOR CLEARANCE CRITERIA TO PARALLEL OR CROSS UTILITIES.

EXISTING UTILITIES EXPOSED DURING EXCAVATION SHALL BE 100% SUPPORTED BY EITHER TRENCH BRIDGING AND SUSPENSION OR BY THE USE OF LONGITUDINAL TRAYS OR PLATFORMS VERTICALLY SUPPORTED BY ADJUSTABLE BUILDING JACKS.

EXISTING SPLICE CASES AND CABLES SHALL BE SUPPORTED BY SUSPENSION FROM A CROSSING BEAM. SUPPORTS SHALL BE PLACED AT A MAXIMUM SPACING OF 4.0 FEET AND SHALL CONSIST OF A CANVAS SLING WITH NYLON BELTING OR ROPE. ALL CABLE SUPPORTS SHALL BE PLACED IN A MANNER THAN PREVENTS KINKS OR OTHER DAMAGE TO THE CABLE SHEATH.

AN ACCEPTABLE ALTERNATIVE TO CABLE SLINGS WOULD BE THE UTILIZATION OF A WIDE FLANGE "I" BEAM OR CHANNEL AS A "CABLE TRAY" WITH THE CABLES/CASES BANDED IN PLACE.

SHORING

THE CONTRACTOR SHALL PROVIDE SHORING FOR CONDUIT TRENCH EXCAVATION 42" OR MORE IN DEPTH AS MEASURED FROM THE HIGH SIDE OF THE TRENCH AND FOR ALL MANHOLE EXCAVATION.

MANHOLE SHORING SHALL BE TIGHT-SHEETED.

ALL SHORING SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF LOCAL COUNTY AND THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA).

SHORING SHALL BE DESIGNED TO MEET H-20 HIGHWAY LOADING.

THE CONTRACTOR SHALL PROVIDE ALL SHORING AND DESIGN CALCULATIONS TO THE PERMIT ISSUING AGENCY PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITY.

UTILITY NOTE:

EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND BASED ON AVAILABLE RECORDS, VERBAL INFORMATION AND/OR PHYSICAL FEATURES. PRIOR TO CONSTRUCTION (AT LEAST 72 HOURS OR THE MORE RESTRICTIVE MINIMUM NOTIFICATION PERIOD), THE CONTRACTOR SHALL CONTACT SUNSHINE 811 TO ALLOW MARKING OF EXISTING BURIED UTILITIES WITHIN THE SCOPE OF THE PROPOSED WORKZONE.

SOFT DIGS &/OR POTHOLING SHALL BE REQUIRED BY CONTRACTOR TO IDENTIFY EXISTING UTILITY DEPTHS.

MINIMUM 24" SEPARATION SHALL BE MAINTAINED FROM ALL EXISTING UTILITIES UNLESS SUPERVISED.

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TEP OPCO, LLC FL COA# 31011

JOSHUA H. CARDEN LICENSE No 83511 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 5th, 2026

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SHEET TITLE:
GENERAL NOTES

PROJECT MANAGER:	SHAINE HERRICK
PROJECT ENGINEER:	DARIA COSTIN
PROJECT NUMBER:	U38572
DESCRIPTION:	537 WINDERMERE DR
DRAWING NAME:	U38572 - SKIPPER CANAL - 537 WINDERMERE DR-LA-MSID-1

SHEET:
D2 of 1

CONFIDENTIAL/PROPRIETARY

FDOT CONSTRUCTION NOTES

1. Aerial crossings of State roads involving temporary lane closures are to be done between the hours of 12:00 am and 5:00 am Monday through Thursday unless previously approved by the Department.

2. When directional bore is the method of installation, a minimum 24-inch separation shall be maintained from all existing utilities unless supervised, ITS/ATMS lines, and storm drain systems while maintaining the minimum required depth under pavement or non-paved ground.

3. If the proposed utility cannot be installed per the approved permitted plan and by FDOT specifications, a revised plan must be provided to the Department for review and approval prior to the installation of products or materials at the given locations where conflicts occur.

4. Any new proposed plan shall include cross sections, plan views and profiles of the State road adequately reflecting all right-of-way features including but not limited to existing utilities, storm drain systems and any above or below ground appurtenances where applicable.

5. No pedestrian pathway is to be removed, blocked, or disturbed without having a sufficient designated temporary pedestrian pathway with all appropriate pedestrian maintenance of traffic signs (Index 660) in-place prior to pathway being affected.

6. All temporary pedestrian pathways must be firm and unyielding.

7. Any sidewalk disturbed will be replaced by section within 72 hours to FDOT specifications.

8. Any sidewalk fronting the property that is cracked, damaged or unstable and is creating an ADA trip hazard must be replaced by section, using Standard #520-001, #522-002, and #522-001 for the construction of sidewalk and meet current ADA Standards. All concrete placed in the right of way shall be a minimum of 6" thick, FDOT Certified Class 1 non-structural, 57 stone, 2500 PSI concrete, with fiber mesh material from a FDOT approved plant.

9. FDOT reserves the right to make adjustments to any permitted method of installation, scope of work, and restoration that may be required to positively support life, safety, and environmental well-being of all users of the transportation system.

10. The Permittee shall notify the FDOT of date of completion, request a final inspection, and a Notice of Final Acceptance.

11. All construction and/or maintenance in the FDOT right-of-way shall conform to the Federal Manual on Uniform Traffic Devices (MUTCD), the FDOT Roadway and Traffic Design Standards, the Standard Specifications for Road and Bridge Construction, the Florida Design Manual, and the Drainage Manual.

12. Prior to removal of existing curb or driveway, the edge of travel shall be sawcut to avoid damaging the existing roadway asphalt. All concrete to be removed in FDOT right-of-way shall be sawcut and removed from the nearest joint.

13. No lane closure of any State roadway is allowed without a minimum of two (2) weeks advance notification and approval from FDOT.

14. Lane closures must be limited to Sunday through Thursday 8:00 pm to 5:30 am unless otherwise approved by FDOT.

15. Any sidewalk damaged because of work being performed in association with the Permittee and Contractor shall be removed and replaced with 6-inch thick Class 1 non-structural, 2,500 PSI with fiber mesh.

16. Open cutting of any roadway, driveway or sidewalk outside those limits identified within the permit are not allowed without prior approval of by FDOT.

17. The Contractor shall have an authorized person available at/or near the work site on a 24-hour basis, 7 days a week in order to address emergency issues associated with the project.

18. No stockpiling, storing or semi-permanent use of the right-of-way is authorized unless specifically identified within the permit.

19. No work shall be performed during the weeks of any State or Federal holiday unless otherwise approved in writing by FDOT.

20. The permitted work schedule is defined as Monday through Friday 7:00 am to 5:30 pm unless otherwise noted within the permit. Any work desired outside of this period must be requested in advance and approved before working the alternate schedule.

21. When work is associated with roadway modifications and/or site development, the Contractor is required to have a preconstruction meeting with the FDOT inspector two weeks prior to any construction beginning within the right-of-way.

22. All work performed under this permit within the right-of-way is to be scheduled with FDOT inspection staff.

23. Roadway restoration shall utilize 100 PSI excavatable flowable fill material and asphalt placed within the State right-of-way shall be placed full-depth, two 2.5-inch lifts of SP 12.5, two 1.5-inch lifts of SP 9.5. Typical sections will need to be provided within the plans for the pavement placement. A stair step method should be incorporated, prior to placing asphalt, to avoid vertical joints. Milling of the patch may be required based on the patched surface performance. The milling shall be utilized for surface leveling to a thickness equal to or greater than the existing friction coarse material. The milling limits are 50-foot of the patch along the longitudinal path of the lane, full lane width and to include any adjacent bike lanes, shared path or urban shoulder sections.

24. Any disruptions to any permeable pedestrian way and bike lane are to be restored as work continues. All patches shall be full width from outside edge of pedestrian path to white line edge of travel lane with stair step (staggered) joints. Restoration to include backfill with existing sub-grade material and #57 stone as base material (compact in 6-inch lifts) to bottom of existing pervious asphalt base, followed by permeable design mix (if available) or FC-5 (Friction Course) mix with a minimum 2-inch and maximum 3-inch lifts. Maintain ingress/egress on all drives and side streets during construction.

25. Any bore pit greater than five (5) feet in depth requires a Sheeting and Shoring Plan as well as a Dewatering Plan.

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SHEET TITLE:
CONSTRUCTION NOTES

PROJECT MANAGER:	SHAINE HERRICK
PROJECT ENGINEER:	DARIA COSTIN
PROJECT NUMBER:	U38572
DESCRIPTION:	537 WINDERMERE DR
DRAWING NAME:	U38572 - SKIPPER CANAL - 537 WINDERMERE DR-LA-MSID-1

SHEET:
E of 1

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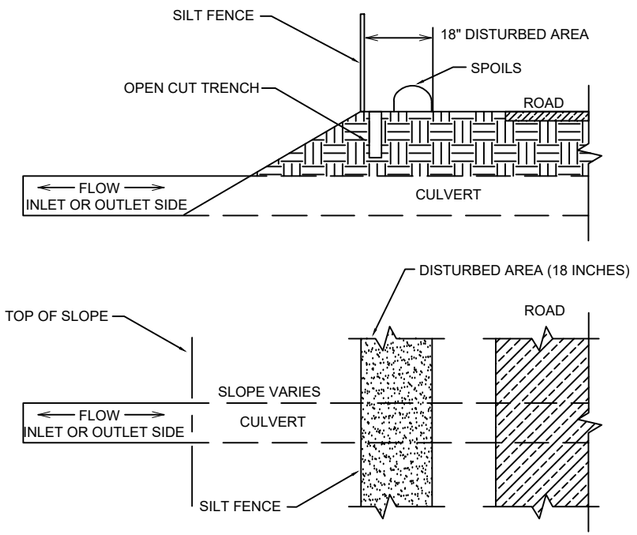
TYPICALS

CULVERT CUT OVER ON ROADSIDE SHOULDER

NOT TO SCALE



GENERAL NOTES

1. INSTALL SILT FENCE TO PROTECT DOWNSTREAM AREAS FROM SEDIMENTATION PRIOR TO CONSTRUCTION.
2. INSTALL SILT FENCE AS NEEDED TO PROTECT DRAINAGE FEATURES, BUT NO LESS THAN 10' ON EITHER SIDE OF CULVERT.

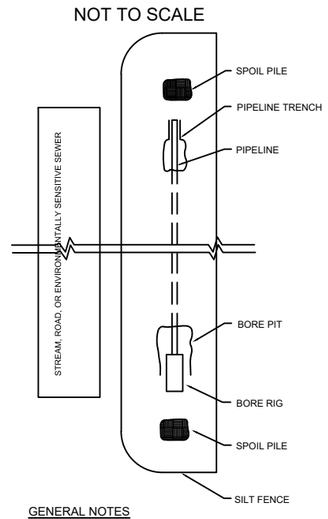
MAINTENANCE NOTES

INSPECT CULVERT CROSSING STRUCTURES WEEKLY AND AFTER EACH SIGNIFICANT RAINFALL EVENT (0.5" OR GREATER) TO SEE IF ANY EROSION AROUND OR BELOW THE SILT FENCE HAS OCCURRED, IMMEDIATELY MAKE ALL NEEDED REPAIRS TO PREVENT FURTHER DAMAGE.

*REF: 6.41.5 NC Erosion and Sediment Control Planning and Design Manual, 2006

DIRECTIONAL BORE DETAIL (PARALLEL)

NOT TO SCALE

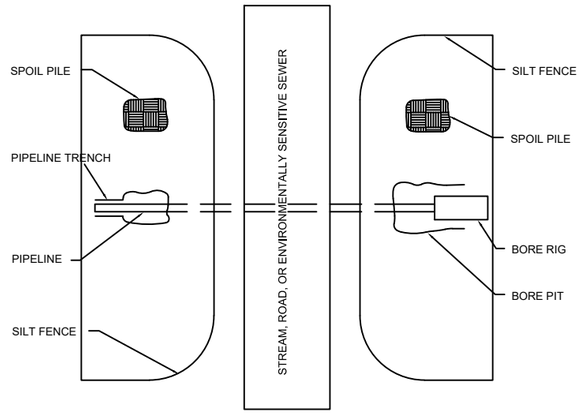


GENERAL NOTES

1. BORE PITS AND SPOILS PILES SHALL BE ENCLOSED ON THREE SIDES AS SHOWN WITH SILT FENCE

DIRECTIONAL BORE DETAIL (TRAVERSE)

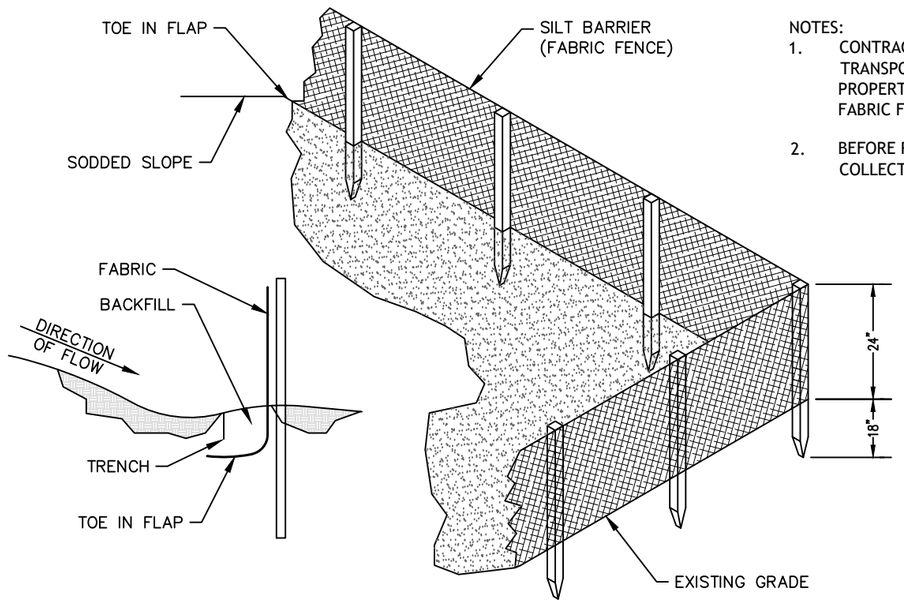
NOT TO SCALE



GENERAL NOTES

1. BORE PITS AND SPOILS PILES SHALL BE ENCLOSED ON THREE SIDES AS SHOWN WITH SILT FENCE

FABRIC FENCE SILT - BARRIER



NOTES:

1. CONTRACTOR IS REQUIRED TO PREVENT ANY SEDIMENT TRANSPORT FROM THE PROJECT SITE ON TO ADJACENT PROPERTY. INSTALLATION OF EITHER BALED HAY OR FABRIC FENCE TYPE SILT BARRIER IS ACCEPTABLE.
2. BEFORE REMOVING SILT BARRIER, CONTRACTOR SHALL COLLECT AND DISPOSE OF ANY ACCUMULATED SILT.

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0	ORIGINAL	DC	05/05/2026

TEP OPCO, LLC FL COA# 31011

JOSHUA H. CARDEN LICENSE No 83511 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 5th, 2026

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SHEET TITLE: TYPICALS

PROJECT MANAGER:	SHAINE HERRICK
PROJECT ENGINEER:	DARIA COSTIN
PROJECT NUMBER:	U38572
DESCRIPTION:	537 WINDERMERE DR
DRAWING NAME:	U38572 - SKIPPER CANAL - 537 WINDERMERE DR-LA-MSID-1

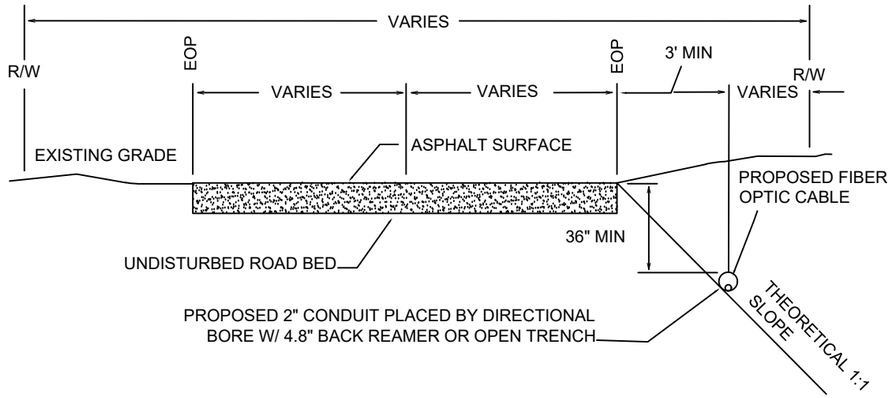
SHEET: F of 1

CONFIDENTIAL/PROPRIETARY

TYPICALS

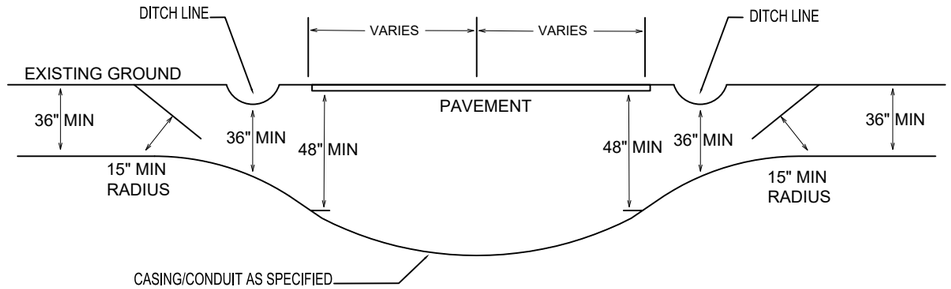
PARALLEL CONDUIT DETAIL FOR FDOT RIGHT-OF-WAY

NOT TO SCALE



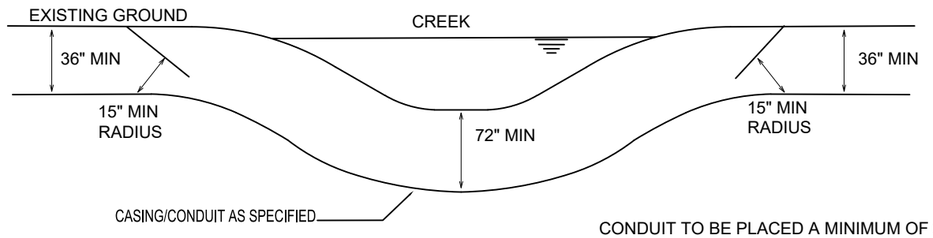
DIRECTIONAL BORE UNDER SECONDARY ROADWAY

NOT TO SCALE



DIRECTIONAL BORE UNDER CREEK BED

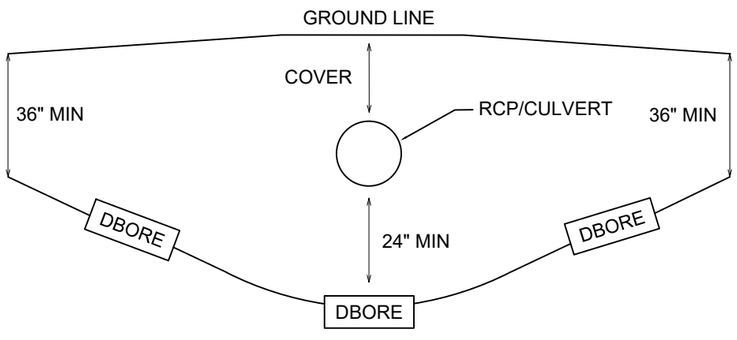
NOT TO SCALE



CONDUIT TO BE PLACED A MINIMUM OF 6 FEET BELOW CREEK BED

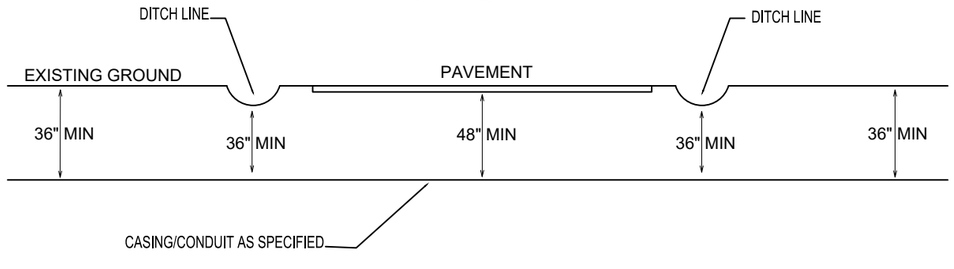
CULVERT CROSSING DETAIL

NOT TO SCALE



DRY BORE UNDER ROADWAY

NOT TO SCALE



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DESCRIPTION:	537 WINDERMERE DR
DRAWING NAME:	U38572 - SKIPPER CANAL - 537 WINDERMERE DR-LA-MSID-1

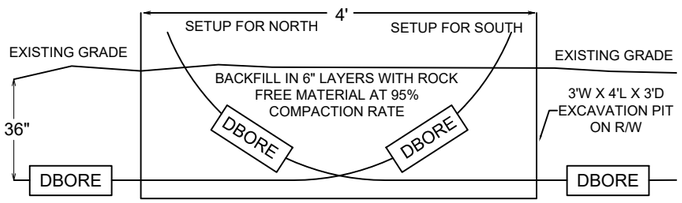
SHEET: G of 1

CONFIDENTIAL/PROPRIETARY

TYPICALS

DIRECTIONAL BORE TIE-IN DETAIL

NOT TO SCALE

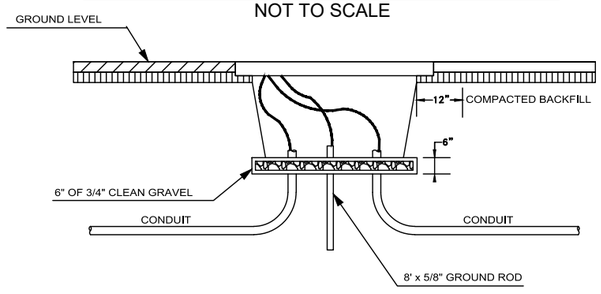


TIE-IN STATION

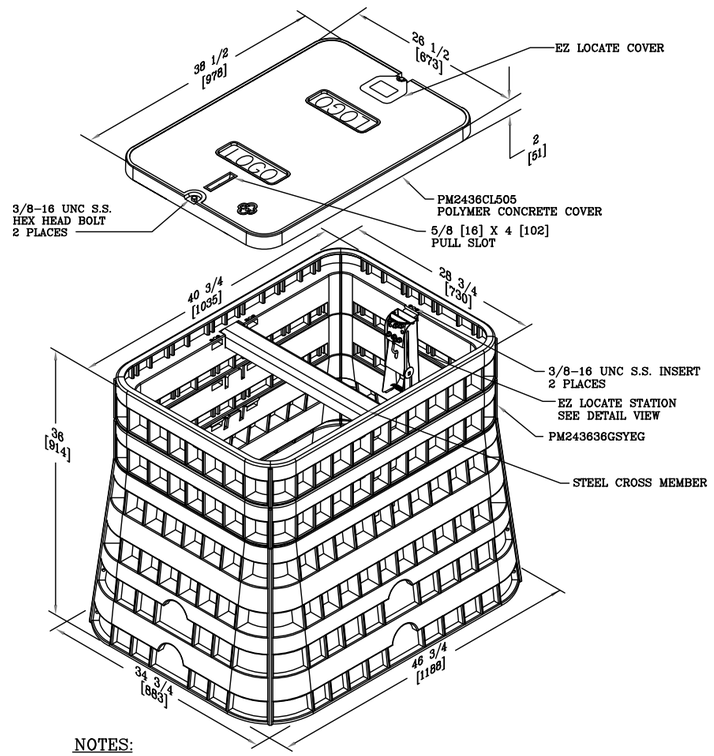
- BORE FROM EACH DIRECTION IS RUN AT DESIGN DEPTH TO 2 FEET PAST THE INTENDED TIE-IN. THEN TURNED UP TO DAYLIGHT.
- THE TIE-IN POINT IS EXCAVATED. THE CONDUITS CUT OFF WHERE THEY CROSS EACH OTHER AT DESIGN DEPTH, AND A COUPLER IS INSTALLED TO CONNECT THE TWO CONDUITS AT THE DESIGN DEPTH.
- ALL EXCAVATIONS OR TRENCHES 4 FEET OR GREATER IN DEPTH SHALL BE APPROPRIATELY BENCHED, SHORED, OR SLOPED IN OSHA'S EXCAVATION STANDARD, 29 CFR 1926.650, .651, AND .652

PULL BOX HANDHOLE

NOT TO SCALE



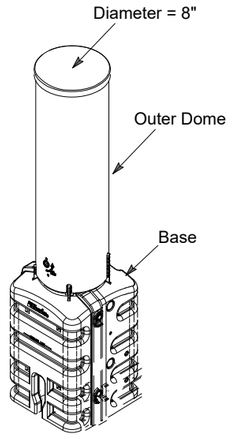
ALL EXCAVATIONS OR TRENCHES 4 FEET OR GREATER IN DEPTH SHALL BE APPROPRIATELY BENCHED, SHORED, OR SLOPED ACCORDING TO THE PROCEDURES AND REQUIREMENTS SET FORTH IN OSHA'S EXCAVATION STANDARD, 29 CFR 1926.650, .651, AND .652.



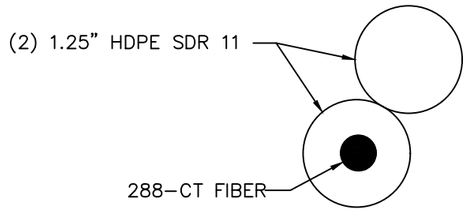
NOTES:

1. BOX MATERIAL TO BE HDPE PLASTIC, COVER MATERIAL TO BE POLYMER CONCRETE.
2. COLOR TO BE GREY.
3. THIS ASSEMBLY HAS A LOAD RATING OF 20,000 LBS. [88,960 N].

BDO204-EG



PIPE DETAIL



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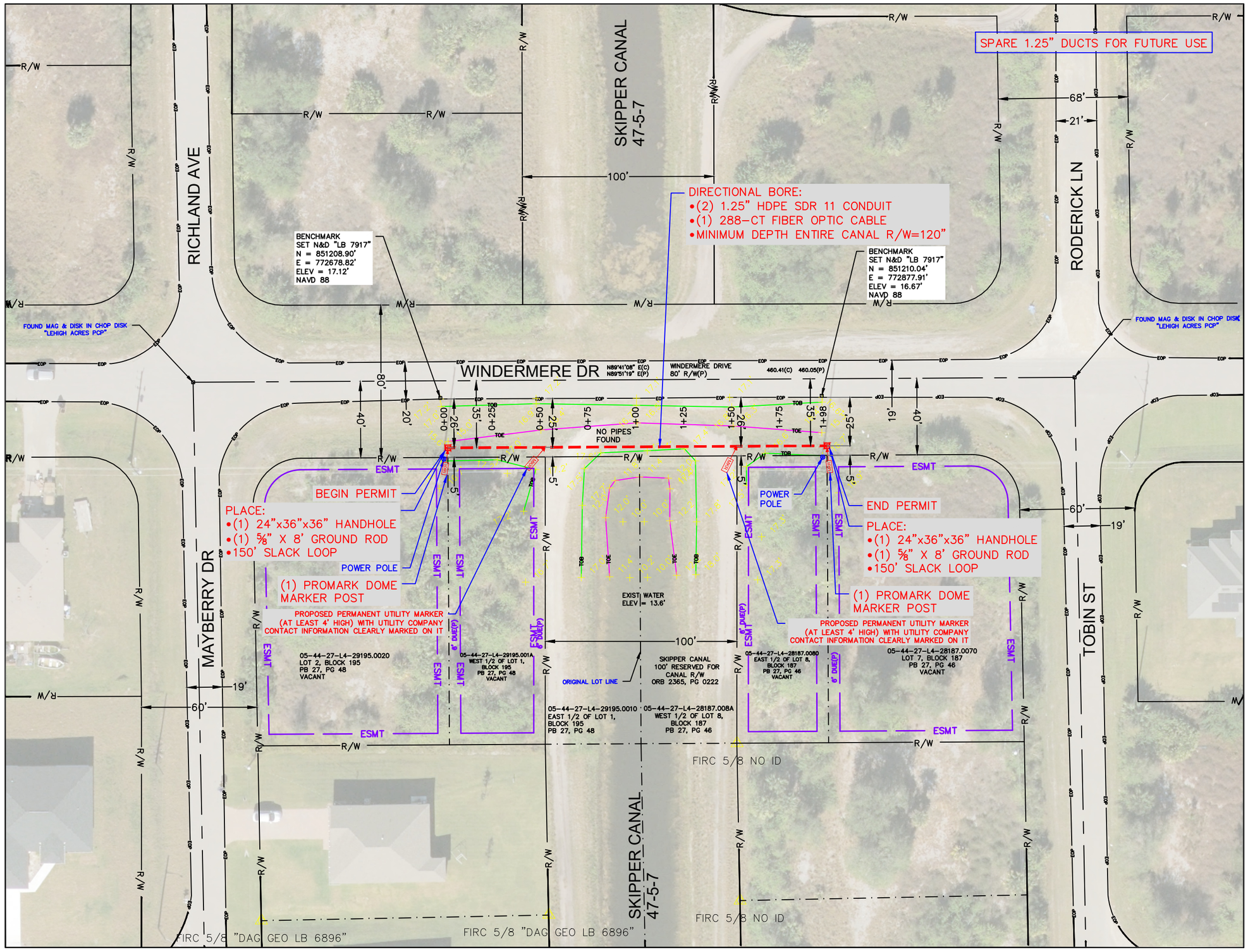
DESCRIPTION:	537 WINDERMERE DR
DRAWING NAME:	U38572 - SKIPPER CANAL - 537 WINDERMERE DR-LA-MSID-1

SHEET: H of 1

CONFIDENTIAL/PROPRIETARY



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0 10' 20' 30' 40' 50'
SCALE: 1"=50'

N

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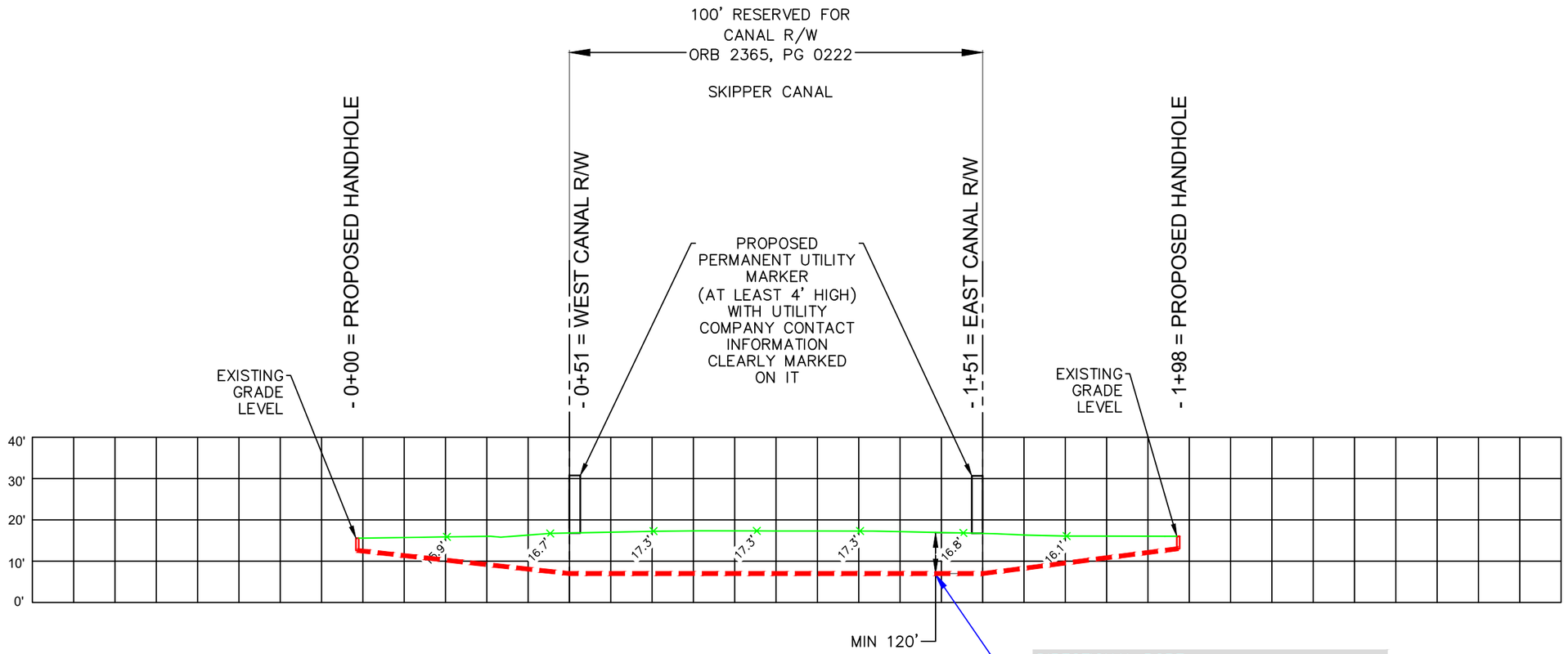
DRAWING NAME:	U38572 - SKIPPER CANAL - 537 WINDERMERE DR-LA-MSID-1
SHEET:	1 of 1

CONFIDENTIAL/PROPRIETARY

SUB-GRADE VERTICAL PROFILE VIEW
WINDERMERE DR
FACING NORTH



UTILITY NOTE:

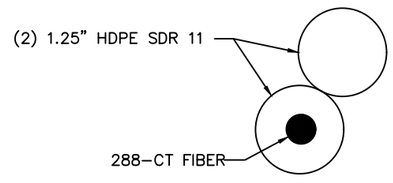
EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND BASED ON AVAILABLE RECORDS, VERBAL INFORMATION AND/OR PHYSICAL FEATURES. PRIOR TO CONSTRUCTION (AT LEAST 72 HOURS OR THE MORE RESTRICTIVE MINIMUM NOTIFICATION PERIOD), THE CONTRACTOR SHALL CONTACT SUNSHINE 811 TO ALLOW MARKING OF EXISTING BURIED UTILITIES WITHIN THE SCOPE OF THE PROPOSED WORKZONE.

NOTE:

BORE MUST BE 10' BELOW THE LOWEST PIPE INVERT OR THE CANAL BOTTOM, WHICHEVER IS LOWEST, FOR THE ENTIRE 100' WIDE CANAL RIGHT OF WAY.

ALL CANAL RIGHT OF WAY THAT IS DISTURBED MUST BE RESTORED WITH SOD AND MAINTAINED UNTIL WELL ESTABLISHED. NO SEEDING WILL BE ALLOWED.

PIPE DETAIL



NOTE:

BORE TO MAINTAIN A MINIMUM DEPTH OF 48" BELOW GRADE AND A MINIMUM DEPTH OF 48" BELOW TOP OF ROADWAY. A MINIMUM OF 30" SEPARATION SHALL BE MAINTAINED FROM ALL EXISTING UTILITIES, ITS/ATMS, AND STORM DRAIN SYSTEMS UNLESS SUPERVISED. NO BACK REAMER REQUIRED DUE TO SIZE OF 4" BIT. SOFT DIGS &/OR POTHOLING MAY BE REQUIRED BY CONTRACTOR TO IDENTIFY EXISTING UTILITY DEPTHS.

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0 10' 20' 30'
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N

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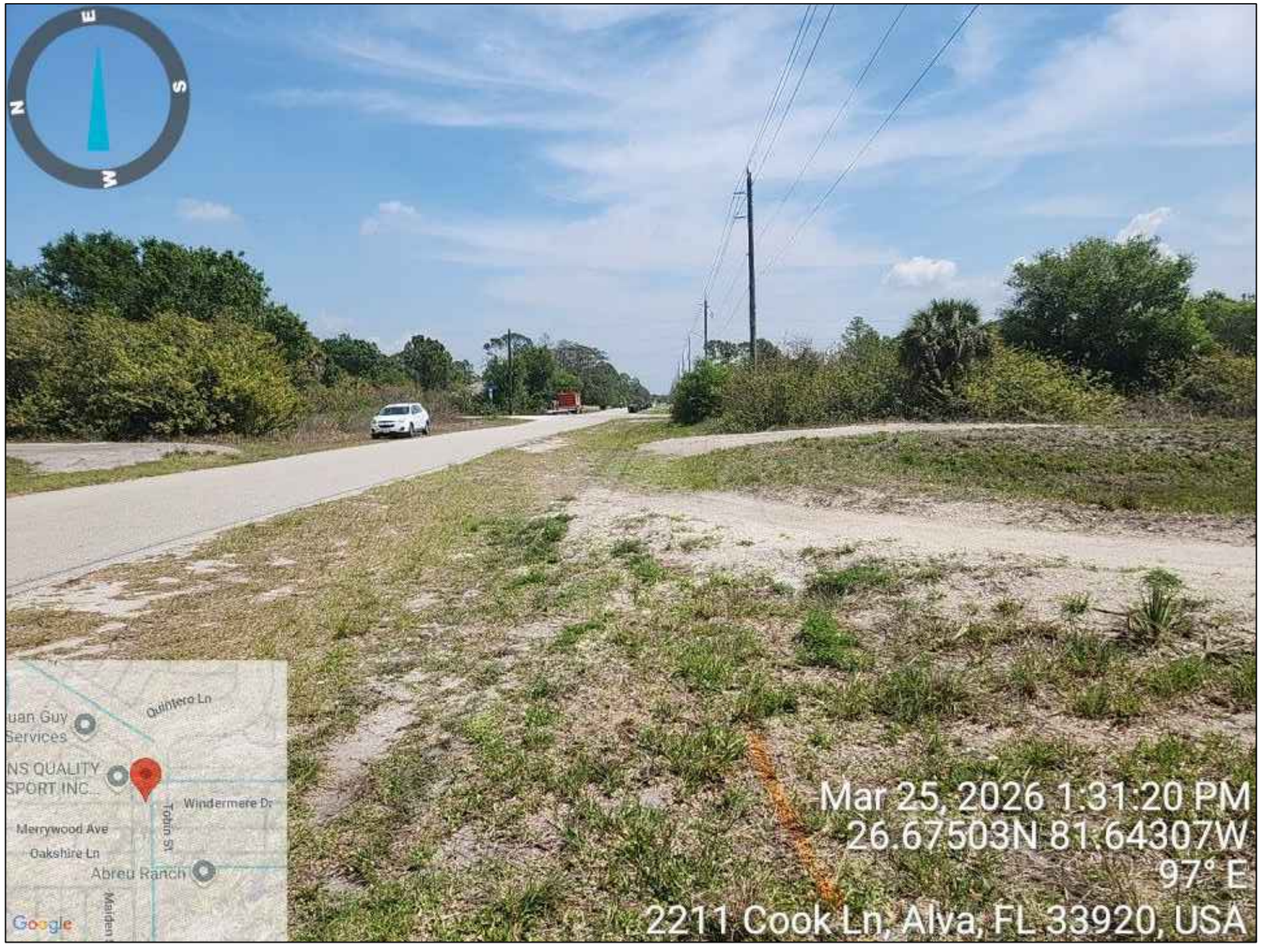
STREET LEVEL VIEW
STA 0+50
FACING EAST



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SCALE = N.T.S.

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SHEET: I1 of 1

CONFIDENTIAL/PROPRIETARY

STREET LEVEL VIEW
STA 1+50
FACING WEST



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5906 BRECKENRIDGE PKWY, SUITE A
TAMPA, FL 33610

TEP IS A FAMILY OF COMPANIES LICENSED TO PROVIDE DIFFERENT SERVICES IN DIFFERENT JURISDICTIONS. DEPENDING ON THE JURISDICTION, PROFESSIONAL ENGINEERING AND LAND SURVEYING SERVICES ARE PROVIDED BY TEP OPCO LLC, A DELAWARE LIMITED LIABILITY COMPANY, TEP ENGINEERING, PLLC, A NORTH CAROLINA PROFESSIONAL LIMITED LIABILITY COMPANY, OR M&H ENGINEERING, PLLC, A NEW YORK PROFESSIONAL LIMITED LIABILITY COMPANY. GENERAL CONTRACTOR SERVICES ARE PROVIDED BY TEPDB OPCO LLC, A DELAWARE LIMITED LIABILITY COMPANY. WE ACQUIRE THE REQUISITE LICENSES IN EACH STATE. ADDITIONAL INFORMATION CAN BE OBTAINED FROM THE COMPANY. THESE DRAWINGS ARE INTENDED TO DEPICT FIBER OPTIC CABLES, CONDUITS, AND RELATED INFRASTRUCTURE WITHIN THE PUBLIC RIGHT-OF-WAY (R/W) OR AREAS WITH VALID, RECORDED EASEMENTS OR LEASES, HOWEVER R/W LOCATIONS ARE BASED SOLELY ON GEOGRAPHIC INFORMATION SYSTEMS (GIS) DATA FROM THE LOCAL JURISDICTION. SURVEYS TO VERIFY R/W OR PROPERTY BOUNDARIES WERE NOT PERFORMED. WHERE INSTALLATION ROUTES EXTEND BEYOND THE R/W, THE UTILITY OWNER/OPERATOR IS SOLELY RESPONSIBLE FOR SECURING AND PROVIDING ALL NECESSARY EASEMENTS, LEASES, OR PROPERTY RIGHTS PRIOR TO CONSTRUCTION. CONTRACTORS SHALL RELY ON THE UTILITY OWNER/OPERATOR'S DOCUMENTATION AND ARE RESPONSIBLE FOR ENSURING THAT CONSTRUCTION OCCURS ONLY WITHIN AUTHORIZED AREAS. TEP, THE ENGINEER, DESIGNER, AND CREATOR OF THESE DRAWINGS ASSUME NO RESPONSIBILITY OR LIABILITY FOR UNAUTHORIZED PLACEMENT OF UTILITIES OUTSIDE THE PUBLIC R/W OR ON PRIVATE PROPERTY WITHOUT PROPER LEGAL AUTHORIZATION. ALL INSTALLATIONS MUST COMPLY WITH APPLICABLE LAWS AND REGULATIONS.

SCALE = N.T.S.

N

811 Know what's below Call before you dig.

REV	DESCRIPTION	INITIALS	DATE
0	ORIGINAL	DC	05/05/2026

TEP OPCO, LLC FL COA# 31011

JOSHUA H. CARDEN LICENSE No 83511 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 5th, 2026

This item has been digitally signed and sealed by JOSHUA H. CARDEN on the date adjacent to the seal.

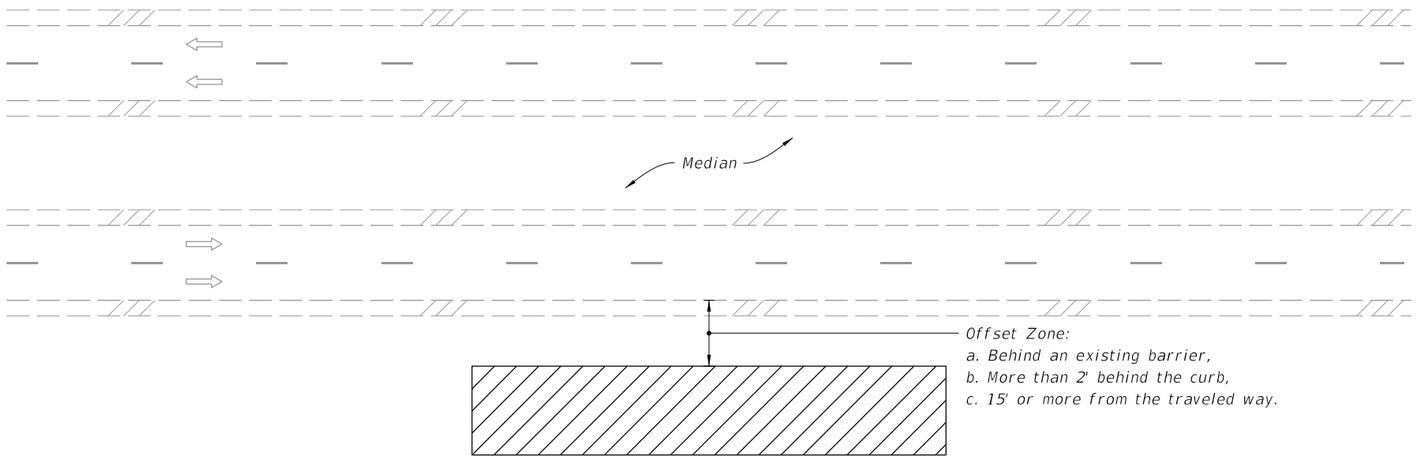
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

SHEET TITLE: PROJECT SHEET

PROJECT MANAGER:	SHAINE HERRICK
PROJECT ENGINEER:	DARIA COSTIN
PROJECT NUMBER:	U38572
DESCRIPTION:	537 WINDERMERE DR
DRAWING NAME:	U38572 - SKIPPER CANAL - 537 WINDERMERE DR-LA-MSID-1

SHEET: I2 of 1

CONFIDENTIAL/PROPRIETARY



MULTILANE ROADWAY SHOWN, TWO-LANE ROADWAY SIMILAR

NOTES:

1. This Index applies to Two-Lane, Two-Way and Multilane Roadways, including Medians of divided roadways, with work beyond the shoulder.

2. Use Index 102-602 when the work operation (excluding establishing and terminating the work area) requires that two or more work vehicles cross the Offset Zone in any one hour period.

3. Use Index 102-660 when Work Area encroaches a Sidewalk.

SYMBOLS:

Work Area

Lane Identification and Direction of Traffic

9/10/2024 10:45:01 AM

LAST REVISION	REVISION	DESCRIPTION:			INDEX	SHEET
11/01/20			FY 2025-26 STANDARD PLANS	TWO-LANE AND MULTILANE ROADWAY, WORK BEYOND THE SHOULDER	102-601	1 of 1

NOTE:

1. This Index applies to Two-Lane, Two-Way and Multilane Roadways, including Medians of divided roadways, with work on the shoulder.

2. L = Taper Length
   X = Work Zone Sign Spacing
   B = Buffer Length
   See Index 102-600 for "L", "X", "B", and channelizing device spacing values.

3. Where work activities are between 2' and 15' from the edge of traveled way, the Engineer may omit signs and channelizing devices for work operations 60 minutes or less.

4. When four or more work vehicles enter the through traffic lanes in a one hour period (excluding establishing and terminating the work area), use a flagger or lane closure to accommodate work vehicle ingress and egress.

5. For work less than 2' from the traveled way and work zone speed is greater than 45 MPH, use a lane closure.

6. The "Speeding Fines Doubled When Workers Present" signs (M0T-13-06) and "End Road Work" Signs (G20-2) along with the associated work zone sign spacing distances may be omitted when the work operation is in place for 24 hours or less.

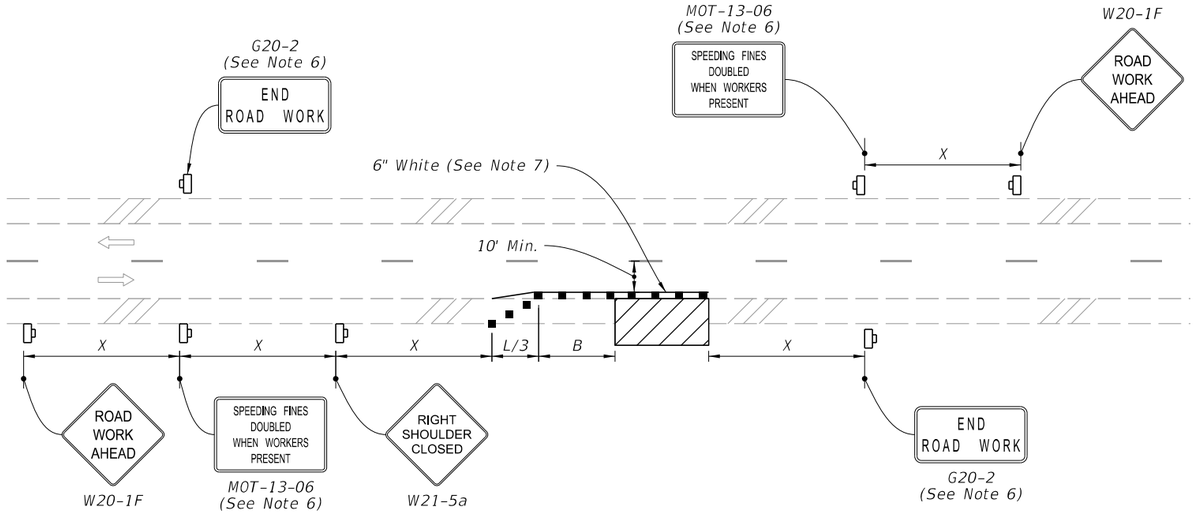
7. Temporary pavement markings may be omitted when the work operation is in place for 3 days or less.

8. Omit "Shoulder Closed" signs (W21-5a) along with associated work zone sign spacing distances for work on the median.

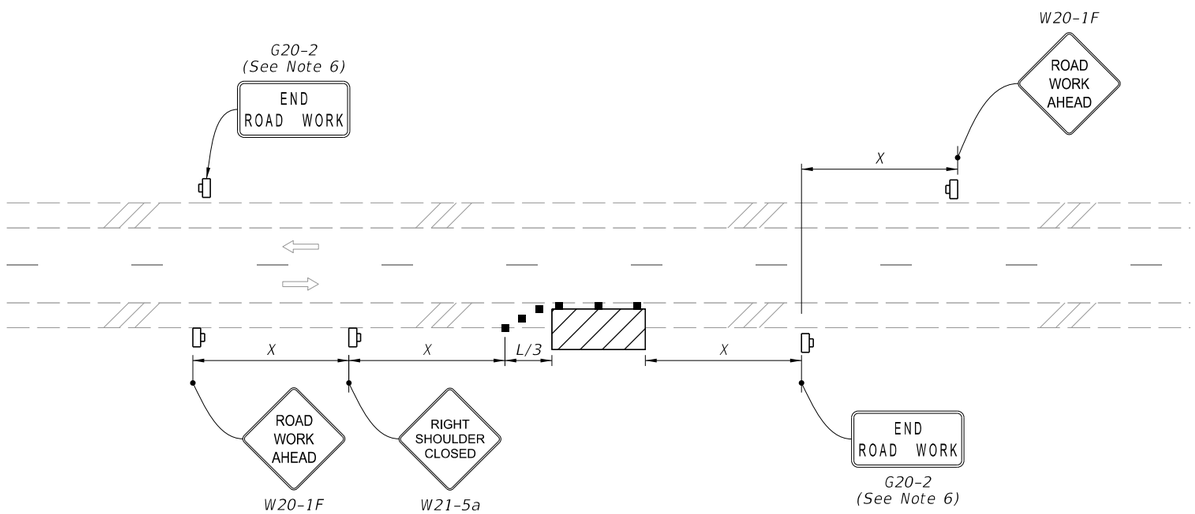
9. When there is no paved shoulder, the "Worker" sign (W21-1) may be used instead of the "Shoulder Closed" sign (W21-5a).

SYMBOLS:

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Lane Identification and Direction of Traffic



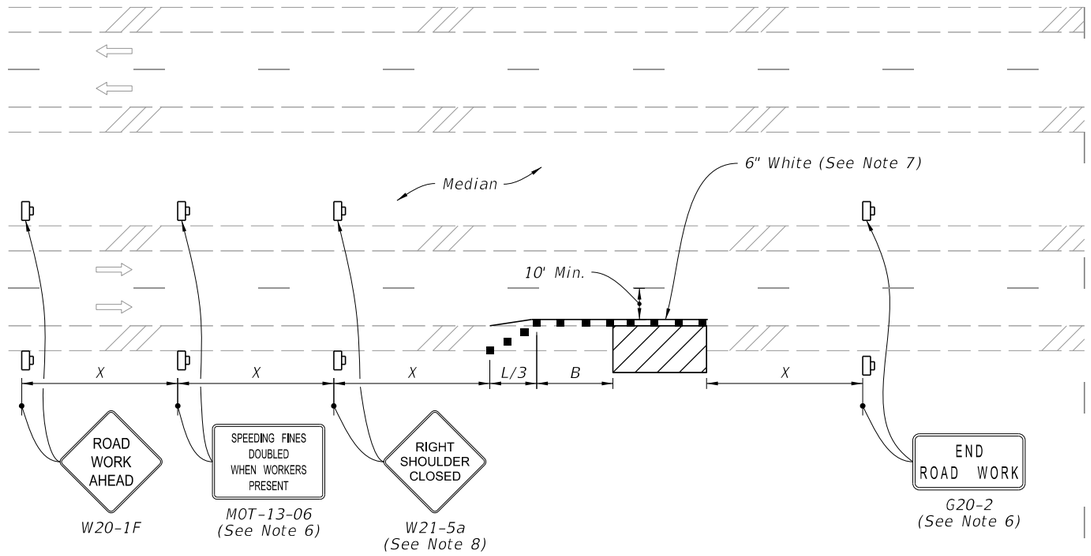
TWO-LANE ROADWAY
SHOULDER WORK LESS THAN 2' FROM THE TRAVELED WAY
WITH WORK ZONE SPEED OF 45 MPH OR LESS



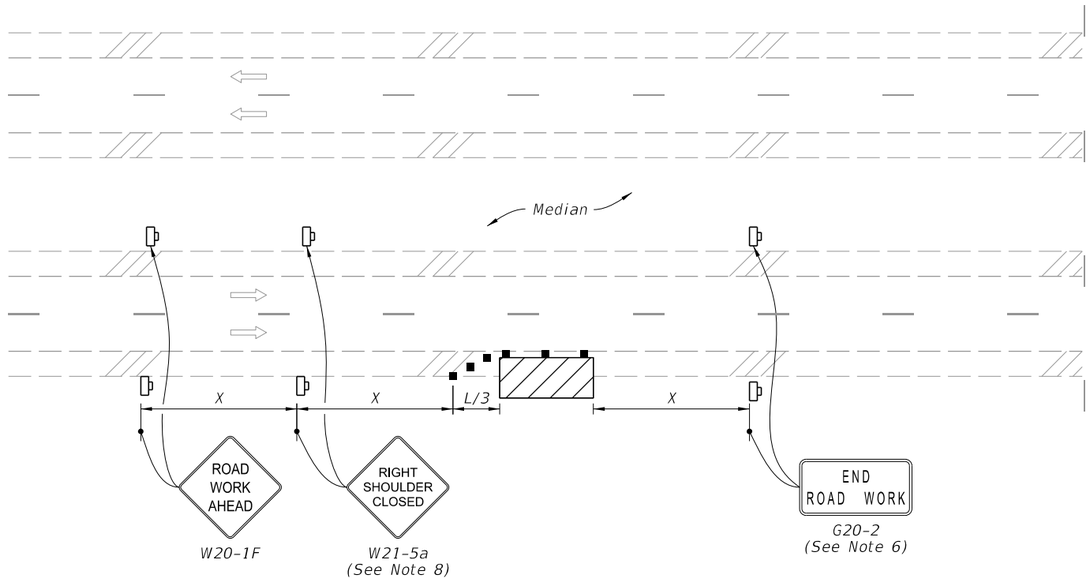
TWO-LANE ROADWAY
SHOULDER WORK BETWEEN 2' AND 15' FROM THE TRAVELED WAY

9/10/2024 10:45:37 AM

LAST REVISION	REVISION	DESCRIPTION:			INDEX	SHEET
11/01/21			FY 2025-26 STANDARD PLANS	TWO-LANE AND MULTILANE, WORK ON SHOULDER	102-602	1 of 2



MULTILANE ROADWAY
SHOULDER WORK LESS THAN 2' FROM THE TRAVELED WAY
WITH WORK ZONE SPEED OF 45 MPH OR LESS



MULTILANE ROADWAY
SHOULDER WORK BETWEEN 2' AND 15' FROM THE TRAVELED WAY

SYMBOLS:

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Lane Identification and Direction of Traffic

9/10/2024 10:45:44 AM

LAST REVISION	REVISION	DESCRIPTION:				
11/01/20			FY 2025-26 STANDARD PLANS	TWO-LANE AND MULTILANE, WORK ON SHOULDER	INDEX 102-602	SHEET 2 of 2

NOTES:

1. Cover or deactivate pedestrian traffic signal display(s) controlling closed crosswalks.

2. Place pedestrian LCDs across the full width of the closed sidewalk.

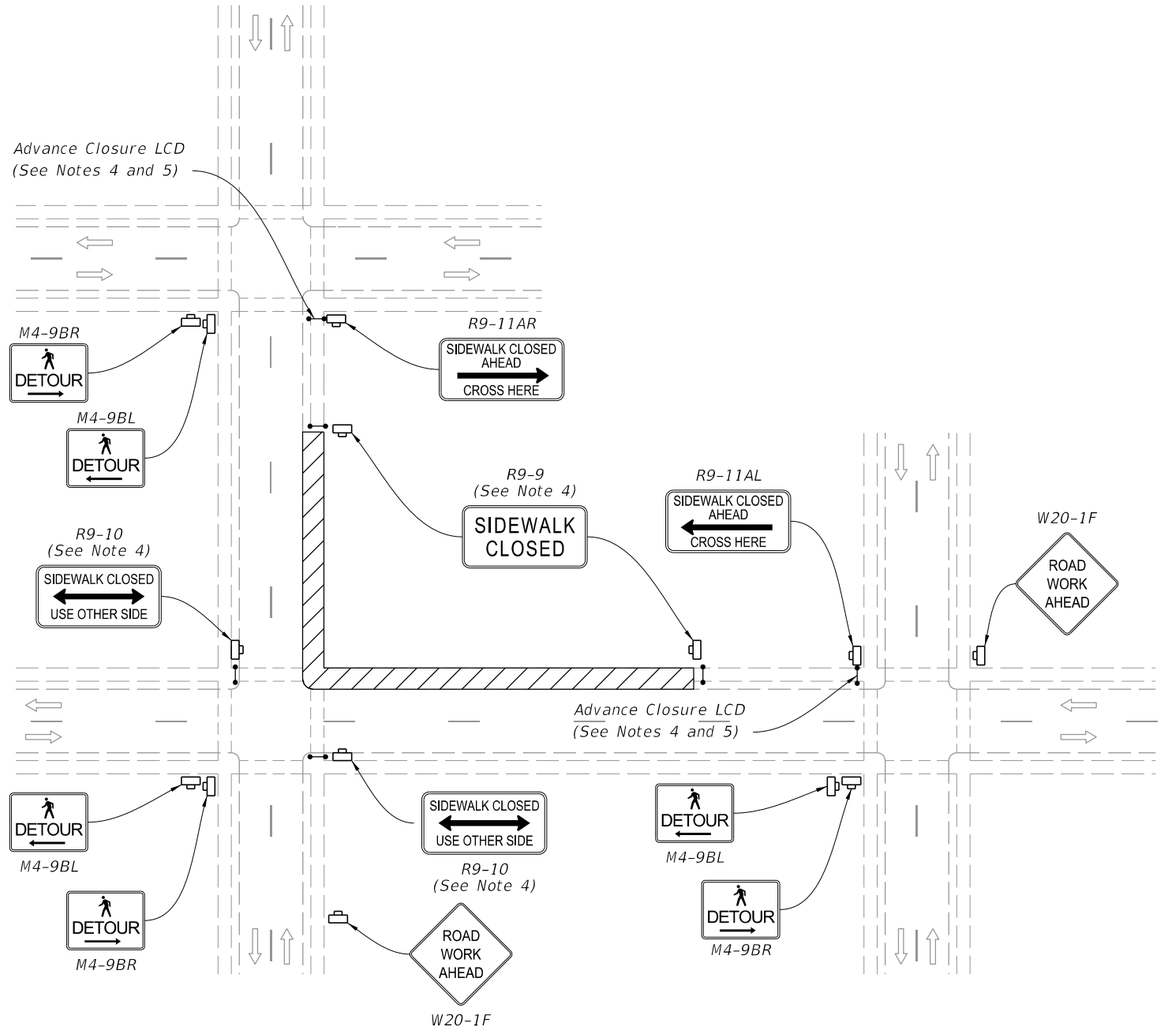
3. For post mounted signs located near or adjacent to a sidewalk, maintain a minimum 7' clearance from the bottom of the sign panel to the surface of the sidewalk.

4. "Sidewalk Closed" signs (R9-XX) may be mounted on pedestrian LCDs in accordance with the manufacturer's instructions.

5. Omit the Advance Closure LCD if it blocks access to other pedestrian facilities (e,g,, transit stops, residences, or business entrances).

SYMBOLS:

- Work Area
- Work Zone Sign
- Pedestrian Longitudinal Channelizing Device (LCD)
- Lane Identification and Direction of Traffic



PEDESTRIAN DETOUR

9/10/2024 11:11:04 AM

LAST REVISION	REVISION	DESCRIPTION:				
11/01/20			FY 2025-26 STANDARD PLANS	SIDEWALK CLOSURE	INDEX 102-660	SHEET 1 of 2

NOTES:

1. L = Taper Length
   B = Buffer Length
   X = Work Zone Sign Distance
   See Index 102-600 for "L", "B", "X", channelizing device spacing values.

2. Provide a 5' wide temporary pedestrian way with a maximum cross-slope of 0.02, except where space restrictions warrant a minimum width of 4'. Provide a 5' x 5' passing space for temporary pedestrian ways less than 5' in width at intervals not to exceed 200'.

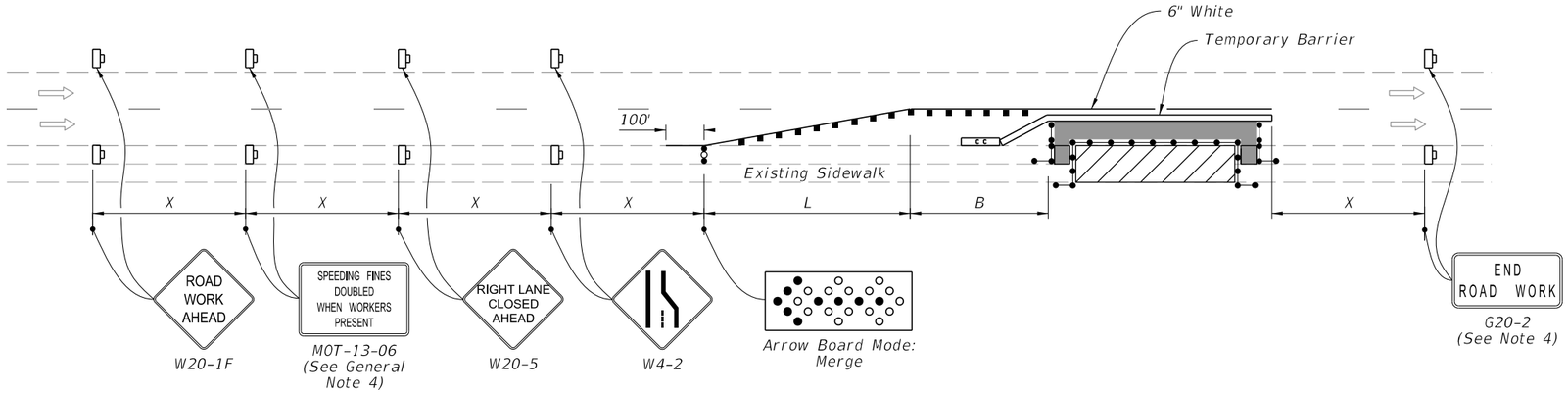
3. When temporary pedestrian ways require curb ramps, meet the requirements of Index 522-002. Detectable warnings are not required for curb ramps diverting pedestrian traffic into a closed lane.

4. The "Speeding Fines Doubled When Workers Present" signs (MOT-13-06) and "End Road Work" signs (G20-2), along with associated work zone sign distances, may be omitted when the work operation will be in place for 24 hours or less.

5. Pedestrian Diversion Option 2 may only be used when called for in the Plans or as approved by an Engineer.

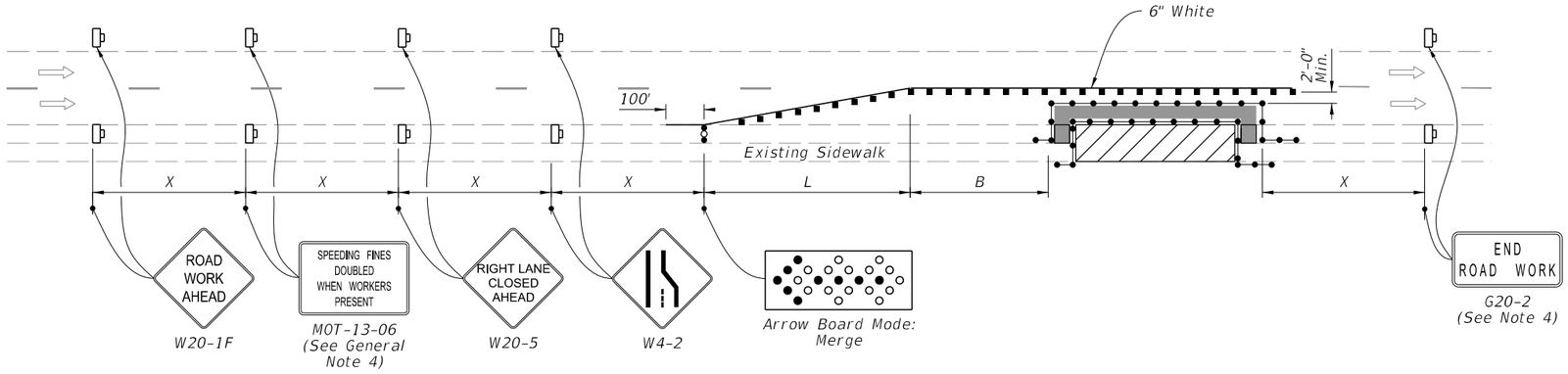
SYMBOLS:

- Work Area
- Temporary Pedestrian Way
- Channelizing Device (See Index 102-600)
- Pedestrian Longitudinal Channelizing Device (LCD)
- Work Zone Sign
- Arrow Board
- Crash Cushion
- Lane Identification and Direction of Traffic



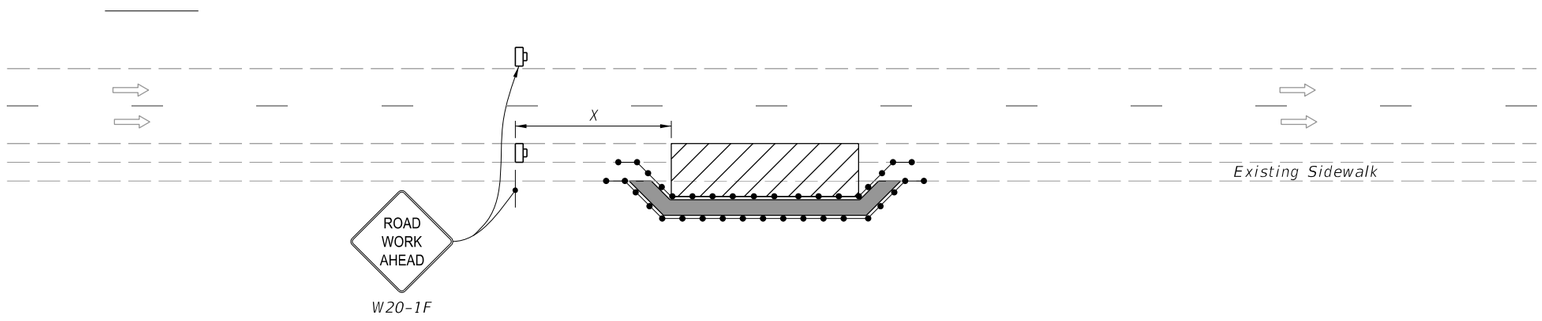
PEDESTRIAN DIVERSION - OPTION 1

(Temporary Barrier Shown, Low Profile Barrier Similar)



PEDESTRIAN DIVERSION - OPTION 2

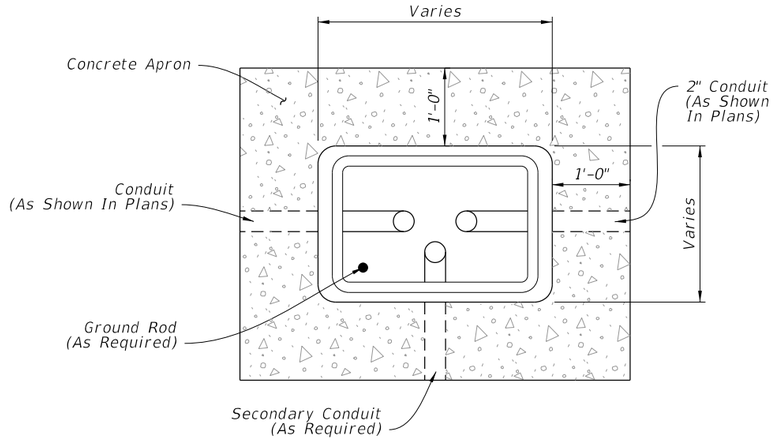
(Work Zone Speed 45 mph or Less)



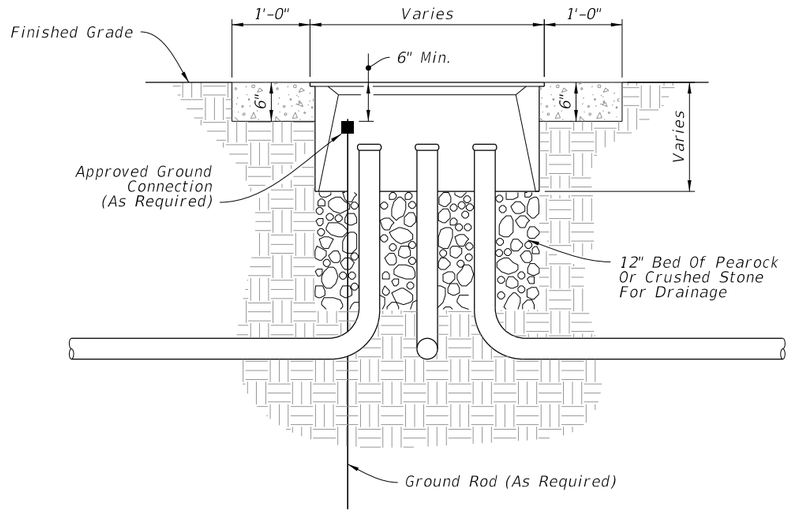
PEDESTRIAN SPECIAL DETOUR

9/10/2024 11:11:11 AM

LAST REVISION	REVISION	DESCRIPTION:			INDEX	SHEET
11/01/23			FY 2025-26 STANDARD PLANS	SIDEWALK CLOSURE	102-660	2 of 2

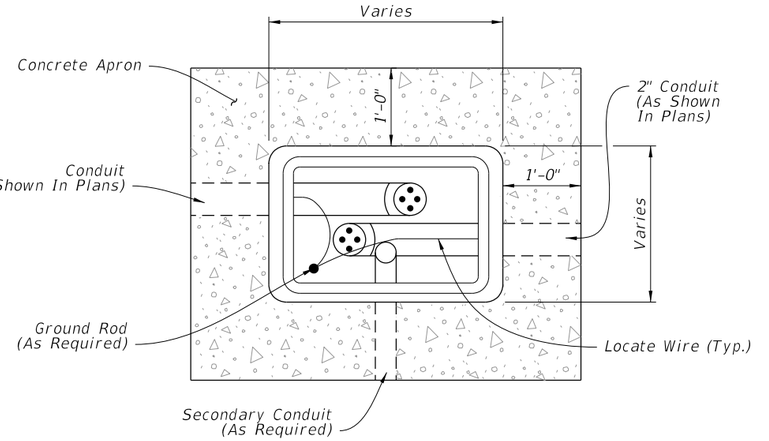


PLAN

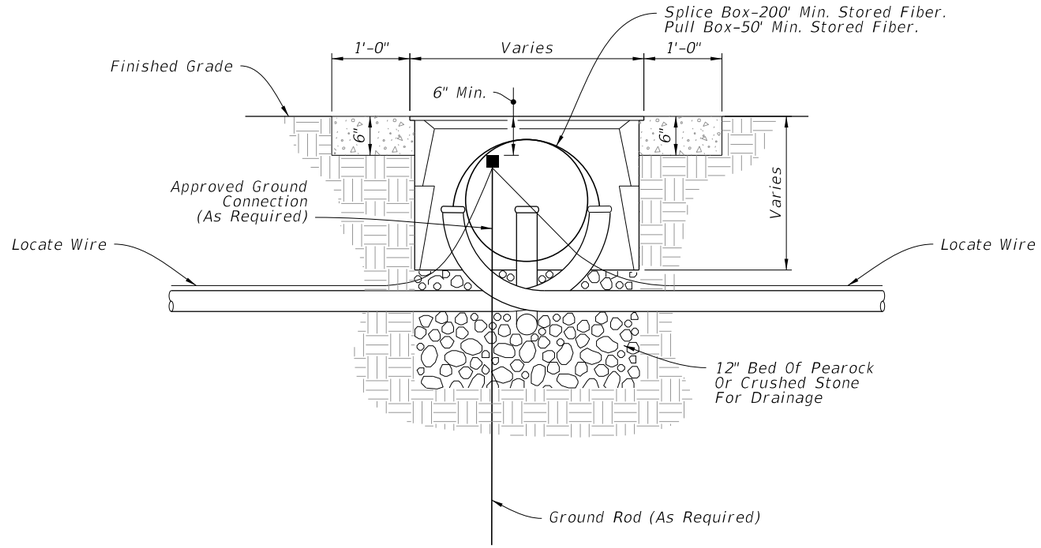


ELEVATION

PULL BOX



PLAN



ELEVATION

FIBER OPTIC BOX

NOTES:

1. Provide fiber optic splice boxes with cable hanger racks designed to support cables and splice enclosures.
2. Install a 1'-0" wide (Min.) concrete apron around all boxes using Class NS concrete. Slope the apron away from the box.
3. Where multiple pull boxes are placed side by side, maintain at least 8" between the pull boxes.
4. Rectangular boxes shown, others similar.

9/10/2024 2:16:11 PM

LAST REVISION	REVISION	DESCRIPTION:	FY 2025-26 STANDARD PLANS	PULL AND SPLICE BOXES	INDEX	SHEET
11/01/18					635-001	1 of 1

SEE SHEET 02 FOR 1" = 20'
SECTION A-A PROFILE VIEW

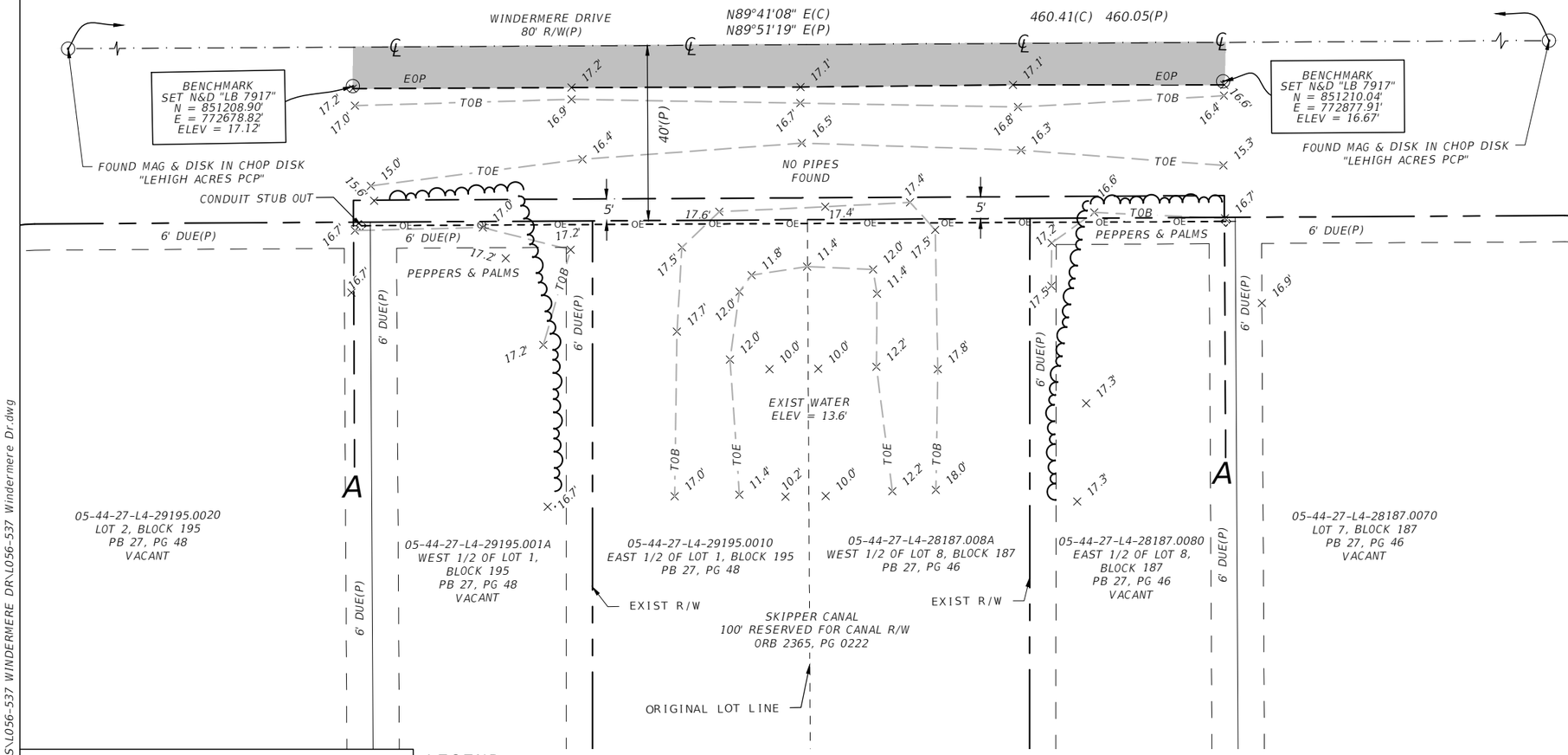
N

0 15' 30'
(1" = 30')
Graphic Scale

Topographic Survey of a Subject Project Site

lying within

Section 5, Township 44 South, Range 27 East
Lehigh Acres, Lee County, Florida



NOTES:

Survey based on the plat of Unit 28 Greenbriar as recorded in Plat Book 27 Page 46 and North Part of Unit 29 Greenbriar Plat Book 27 Page 48, Public Records of Lee County, Florida and existing monumentation.

This survey prepared as a Topographic Survey for the purpose of locating the features within and adjacent to the Lehigh Acres Municipal Services Improvement District-managed facility South of Windermere Drive between Tobin Street and Mayberry Drive.

The elevations shown hereon are referenced to the North American Vertical Datum of 1988 (NAVD 1988). All elevations are reported in US survey feet and decimals thereof and are based upon the Florida Permanent Reference Network (FPRN) stations maintained by the Florida Department of Transportation.

The subject site lies within Zone "X" per FEMA insurance rate map 125124 0317F (Published 08/28/2008), therefore has no base flood elevation.

The FEMA flood zone information indicated hereon is based on the maps supplied by the Federal Government. This flood information must be verified with all permitting regulatory entities prior to commencing any work or application dependent on said flood information.

Underground improvements, utilities and/or foundations were not located unless otherwise noted. Wetlands, if any, were not located.

Subject to easements, restrictions, reservations, and rights-of-way (recorded and unrecorded, written and unwritten).

Last day of field work: 01/05/2026

TAYLOR J. HENNINGE
License Number
7279
STATE OF FLORIDA
Professional Surveyor and Mapper

TAYLOR J. HENNINGE
PROFESSIONAL SURVEYOR AND MAPPER
FLORIDA CERTIFICATE NO. LS# 7279

Not valid without the signature and the original seal of a Florida licensed surveyor and mapper.

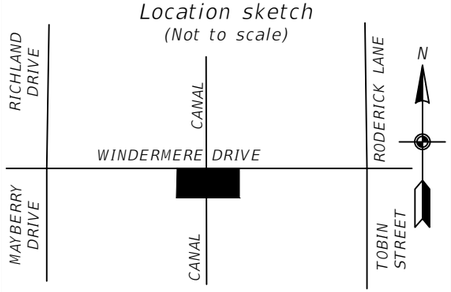
This survey is only for the lands as described. It is not a certificate of title, zoning, easements or freedom of encumbrances.

This survey was prepared without benefit of an abstract of title and all matters of title should be referred to an attorney at law.

This survey has been electronically signed and sealed by Taylor J. Henninge using a digital signature and date. Print copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Windermere Drive, Lehigh Acres

Location sketch
(Not to scale)



LEGEND:

(P)	= PER PLAT	N&D	= NAIL AND DISK
(C)	= CALCULATED	NAVD 88	= NORTH AMERICAN VERTICAL DATUM 1988
CB	= CATCH BASIN	OR	= OFFICIAL RECORDS BOOK
Δ	= DELTA ANGLE	PB	= PLAT BOOK
℄	= CENTER LINE	PG	= PAGE
CONC	= CONCRETE	R/W	= RIGHT OF WAY
CMP	= CORRUGATED METAL PIPE	RCP	= REINFORCED CONCRETE PIPE
CPP	= CORRUGATED PLASTIC PIPE	RNG	= RANGE
DUE	= DRAINAGE AND UTILITY EASEMENT	S/W	= SIDEWALK
ELEV	= ELEVATION	SEC	= SECTION
EOP	= EDGE OF PAVEMENT	TOB	= TOP OF BANK
EXIST	= EXISTING	TOE	= TOE OF SLOPE
FIRC	= FOUND IRON ROD AND CAP	TWP	= TOWNSHIP
INST#	= INSTRUMENT NUMBER	(TYP)	= TYPICAL
INV	= INVERT ELEVATION		

⊙ = FOUND MONUMENT
---OE--- = OVERHEAD UTILITY LINE
+20.0 = SPOT ELEVATION
◇ = ELECTRICAL POLE

TOPOGRAPHIC SURVEY-PLAN VIEW

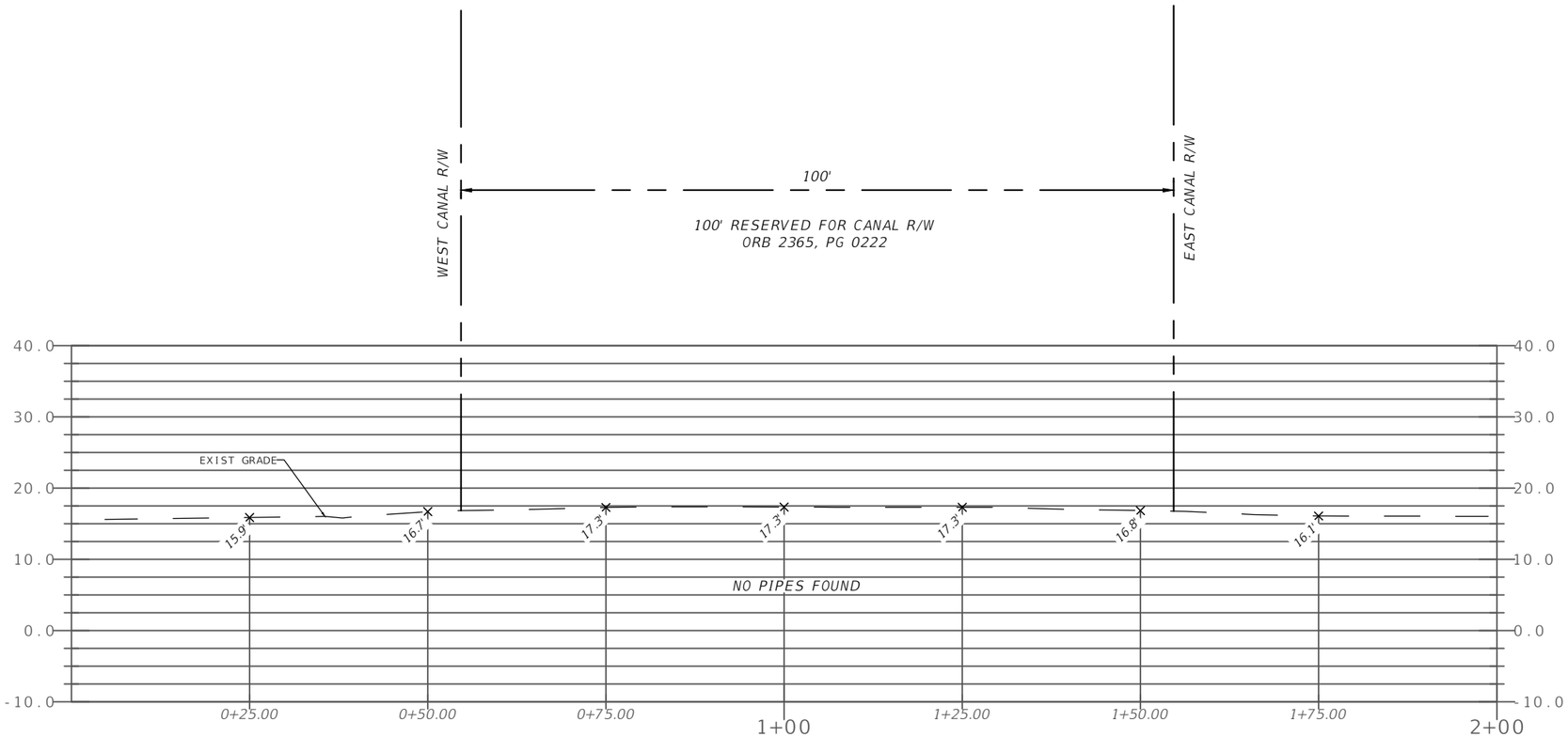
McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name:	Field book/page:	Project No.:
L056-537 Windermere Dr.dwg	106981-3/31	106980001-L056

Survey date:	Drawn by:	Checked by:	Sheet No.:
01/05/2026	KB	TJH	01 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L056-537 WINDERMERE DR\L056-537 Windermere Dr.dwg

Topographic Survey of a
Subject Project Site
Section 5, Township 44 South, Range 27 East
Lehigh Acres, Lee County, Florida



A-A Profile View
1" = 20' HORIZONTAL
1" = 20' VERTICAL

SEE SHEET 01 FOR LEGEND

Windermere Drive, Lehigh Acres

TOPOGRAPHIC SURVEY-PROFILE VIEW

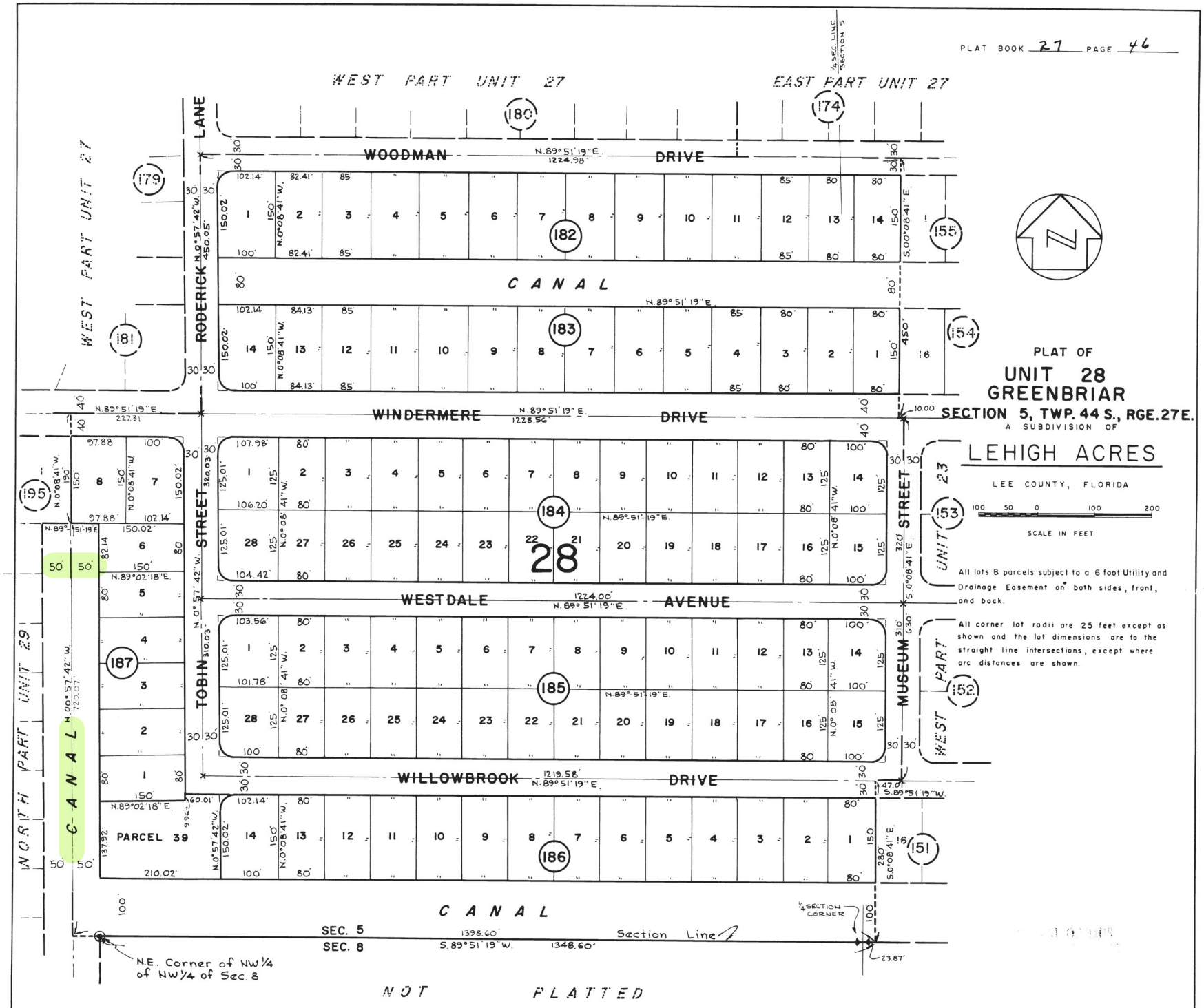
McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name:	Field book/page:	Project No.:
L056-537 Windermere Dr.dwg	106981-3/31	106980001-L056

Survey date:	Drawn by:	Checked by:	Sheet No.:
01/05/2026	KB	TJH	02 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L056-537 WINDERMERE DR\L056-537 Windermere Dr.dwg

PLAT BOOK 27 PAGE 46



PART IV #26-105

Recommended Action

Engineering Review:

By: _____6/17/2026 **Approved _X_ Denied __**

District Field Review:

By: _____ Approved ___ Denied ___

District Manager: _____ Date: _____

Comments:

The referenced permit application submitted by Lumos Fiber of Florida, LLC for a subaqueous crossing under Skipper Canal (47-5-7) at 537 Windermere Dr. in Lehigh Acres, has been reviewed and is recommended for approval with the following stipulations:

1. On sheet 8 of the plans, the culvert crossing detail specifies 24" minimum offset from culvert, if the detail is depicting a canal crossing, the offset should be 120" or 10'. If not, please include a note to clarify that the details do not apply to LA-MSID canal crossing.

2. On sheet 11 of the plans, the labeled bore offset minimum to the bottom of the canal should be 120" instead of 120'. Please revise.

3. Permanent above-ground cable markers must be placed at the canal right-of-way (R/W) line on each side of the crossing.

4. Any disturbed canal R/W must be restored with sod and maintained until fully established. Seeding will not be permitted.

5. Within 30 days of completing the improvements, provide LA-MSID with a copy of the survey record drawings indicating the location and elevation of utilities within the canal R/W.

6. The permittee will be responsible for any necessary repairs, alterations, or relocation of the utility if required for future maintenance or repairs of the canal.

7. Lee County DOT must review and approve any utility work proposed within the County Road R/W.

LEHIGH ACRES - MUNICIPAL SERVICES IMPROVEMENT DISTRICT PERMIT

THIS PERMIT is granted this 20th day of July, 2026, by Lehigh Acres Municipal Services Improvement District (hereinafter referred to as "DISTRICT"), 601 East County Lane, Lehigh Acres, Florida 33936, to Lumos Fiber of Florida, LLC, 4100 Mendenhall Oaks Parkway, Suite 300, High Point, NC 27265, hereinafter referred to as the "Permittee") as a non-exclusive permit for a directional bore under Daggerwing Canal (47-6-4), along the west side of Woodcrest Dr., between Marcus Ct. & Woodview Dr., in Lehigh Acres, FL.

W I T N E S S E T H:

1. In the event the DISTRICT is not the fee title owner of the real property (the "Property") to which this Permit is applicable, the Permittee agrees, prior to commencement, to obtain all necessary consents from the fee title owners of the Property.

2. This Permit does not constitute a waiver of the necessity by the Permittee to obtain such other necessary and appropriate permits required by other governmental bodies or agencies; therefore the Permittee, prior to commencement, is required to obtain any and all other applicable federal, state, and local permits required in connection with Permittee's use of the Property and agrees that at all times it will comply with the requirements of all federal, state and local laws, ordinances, rules and regulations applicable or pertaining to the use of the Property by the Permittee.

3. Permittee understands and agrees that the use of the Property pursuant to this Permit is subordinate to the rights and interests of the DISTRICT and to the extent applicable that of the fee title owner of the Property. Further, Permittee does hereby stipulate that the Permittee is not relying upon any representations whatsoever by the DISTRICT regarding the DISTRICT'S right, title, interest, or ownership as to the Property for which this Permit is applicable.

4. The Permittee, by accepting this permit, specifically agrees to allow authorized District Personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:
    a. Having access to and copying any records that must be kept under the conditions of the permit:
    b. Reviewing the facility, equipment, practices, or operations regulated or required under this permit; and
    c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or District rules.

5. The DISTRICT specifically reserves the right to maintain its facilities located over, under or upon the Property; to make improvements; add additional facilities; maintain, construct or alter its roads; maintain any facilities, devices, or improvements on the Property which aid in or are necessary to the DISTRICT'S operation; and the right to enter upon the Property at all times for such purposes. Permittee understands that in the exercise of such rights and interest, the DISTRICT may require Permittee, at no cost to DISTRICT, to relocate, alter, or remove the Permittee's facilities and equipment or other improvements made by Permittee pursuant to this Permit which interfere with or prevent the DISTRICT, in the DISTRICT'S opinion, from properly and faithfully constructing, improving and maintaining its facilities. If the Permittee should fail to relocate, alter, or remove the Permittee's facilities, equipment or other improvements made by the Permittee pursuant to this Permit within a reasonable time period following receipt of notice from the DISTRICT requesting same, then in that event the DISTRICT shall have the right to enter upon the lands and make such relocation, alterations or removal of the Permittee's facilities, equipment/or other improvements at no cost to DISTRICT.

6. Permittee agrees that it will not use the Property in any manner which interferes with the DISTRICT'S

use of the Property or causes a hazardous condition to exist.

7. The DISTRICT assumes no responsibility for the ownership, operation and/or maintenance of the Permittee's facilities as permitted herein.

8. The Permittee agrees to backfill any excavation it makes within the Property and to repair or replace (i) any below-grade authorized facilities and features located therein, including but not limited to: water, sewer, stormwater or irrigation facilities, structures or appurtenances and (ii) as to at or above-grade facilities and features, this requirement shall only be applicable to grasses and sod, sidewalks, and roadway improvements (the term roadway improvements shall include but not be limited to curbing, roadway base, sub grade and asphaltic or concrete surfaces) which are removed or damaged as a direct result of said excavation. Such repair or replacement shall substantially restore these features to their condition as it existed immediately prior to the event precipitating the excavation.

9. All below-grade Permittee installations, including water and sewer lines, whether sub aqueous or not, together with appurtenant facilities, shall be located underground and have a minimum ground cover of thirty inches (30") below original design profile grade, including District waterways and roadways.

10. All Permittee activity related to sub aqueous utility, water and/or sewer lines, including appurtenant facilities, shall be conducted in such fashion that the primary functional purpose of the canal or lake body facility, specifically flood control, within which the activity is taking place is not adversely affected. More specifically, sub aqueous construction shall conform to the criteria given in the Lehigh Acres Municipal Services Improvement District (Lehigh Acres – MSID) Administrative Policy and Procedures.

11. Permittee shall, at no expense to DISTRICT and within a reasonable time following notice, adjust the positions and elevations of its facilities as may be required in connection with future improvements to, or construction of, works of the DISTRICT.

12. Permittee does hereby indemnify and hold harmless the DISTRICT, its Board of Commissioners, officers, personnel, and it's Engineers against any claims, losses, damages (including consequential), expenses, or legal fees that might arise out or result from the implementation of the proposed project by the Permittee or that may be caused by a failure of DISTRICT facilities or property.

13. The Permittee shall be obligated at the time of submission of its Permit application, to provide a detail of any other existing improvements located over, under, upon or through the Property and the Permittee's accompanying plans and specifications shall clearly indicate how the Permittee will comply with required clearances between the requested permitted activity and existing improvements located over, under and upon the Property, including compliance with other permitted users duly adopted and published standards.

14. Permittee shall reimburse the DISTRICT for its legal, engineering and other expenses incurred as a result of the implementation of the proposed project.

15. If Permittee should violate any of the terms or conditions of the Permit and shall not correct or remedy same within ten (10) days of receiving written notice of said violation from the DISTRICT, then in that event, the DISTRICT may, at its option, revoke, cancel and terminate this Permit.

16. This Permit may not be assigned by the Permittee without the prior written approval of the DISTRICT.

17. Unless otherwise adjusted, modified or terminated as set forth hereinabove, including the Conditions attached hereto, this Permit shall continue in full force and effect so long as Permittee complies with the

terms of this Permit.

18. In any litigation, including breach, enforcement or interpretation arising out of this Permit, the prevailing party to this Permit shall be entitled to recover reasonable attorney's fees, costs and expenses related to said action from the non-prevailing party.

19. That attached hereto are Supplemental Conditions to this Permit which are incorporated herein and made a part hereof.

LEHIGH ACRES – MUNICIPAL SERVICES IMPROVEMENT DISTRICT

BY: _____

NAME TYPED: David E. Lindsay

TITLE: District Manager

SUPPLEMENTAL CONDITIONS TO PERMIT NO. 26-106

A. GENERAL CONDITIONS

1. Notification shall be given by the Permittee to the District Engineer, AIM Engineering, at 239-332-4569 forty-eight (48) hours prior to commencement of the permitted activity. The District Engineer shall establish points of construction, if applicable, which will require inspection by the District Engineer prior to construction of the permitted activity. When the Permittee considers the permitted activity complete, the Permittee shall notify the District Engineer and schedule an on-site final inspection which shall be held in the presence of a representative of the Permittee and the District Engineer.

2. The permitted activity shall be implemented, constructed and/or installed in full accordance with the approved plans and specifications within six (6) full calendar years from the date of permit approval. Deviations from the approved plans or specifications shall be coordinated with and approved by the District Engineer prior to implementation of any such deviation.

3. When working in a District road right-of-way, not more than one-half (½) of the road or street shall be closed and traffic shall be controlled so as to provide for the safety and minimum hindrance to the public. All traffic control operations shall conform to the most current issue of the Florida Department of Transportation publication "Manual on Traffic Controls and safe Practices for Street and Highway Construction, Maintenance and Utility Operations."

4. The District Engineer shall be the final authority as to the quality and quantity of the material and works required to satisfy the terms and conditions of this Permit as they relate to District improvements and facilities.

5. Upon completion of the permitted activity and after its final review and acceptance by the District Engineer THE PERMITTEE SHALL DELIVER TO THE DISTRICT OFFICE ONE COMPLETE SET OF THE FINAL "RECORD DRAWINGS." FAILURE TO PROVIDE THE FINAL RECORD DRAWINGS MAY RESULT IN THE REVOCATION, CANCELLATION AND TERMINATION OF THIS PERMIT.

6. The above Conditions shall be continuing obligations of the Permittee and shall be complied with in the event of any subsequent maintenance, repair, replacement or modification of the permitted improvement.

Stipulations:

1). Permit #26-106 is approved according to the plans submitted May 28th, 2026.

2). The proposed directional bore must maintain a minimum clearance of 10 feet below the bottom elevation of the canal for the entire 80' within the canal right of way.

3). Permanent utility markers, (at least 4' high) with the utility companies contact information clearly labeled on it, must be installed at each canal right of way line over top the proposed line.

4). All guy wires, poles, pull boxes, etc. must be located outside of the canal right of way and not interfere with the District's canal maintenance activities.

5). All canal R/W that is disturbed must be restored with sod and maintained until well established (no seeding will be allowed).

6). Boring contractor is not allowed to pump water out of the LAMSID canals for their boring operations unless they apply for and receive a water use permit from LAMSID.

7). The Permittee will be responsible for any repairs, alterations, or relocation of the utility if required for repairs or maintenance of the canal in the future.

8). Provide LAMSID with a copy of your record drawings and a copy of your bore depth logs showing where your utilities are located within the canal R/W and at what elevation they are located, within 30 days following completion of the improvements.

9). Lee County DOT must review and approve the utility work that is outside of the canal right of way along Woodcrest Dr.

PART I

DATE SUBMITTED: 05 - 28 - 26

PERMIT #: 26 - 106

APPLICATION FOR A PERMIT

*Note: The review of permit applications will be conducted per the Lehigh Acres Municipal Services Improvement District's Administrative Policy and Procedures

AGENT NAME: TEP-OPCO, LLC **PHONE #:** (502)7187956

PROJECT NAME: U38577 - DAGGERWING CANAL - 628 WOODCREST DR-LA-MSID-1

TOTAL ACREAGE: N/A

Property Address (STRAP associated with this address will be used as the primary STRAP for this project): 628 WOODCREST DR					
Mailing Address:					
City:	LEHIGH ACRES	**State:**	FL	**Zip:**	33972

STRAP NUMBERS (*attach additional sheet if necessary):*

0	6	-	4	4	-	2	7	-	L	3	-	4	1	0	0	0	-	0	5	8	0
		-			-			-			-						-				
		-			-			-			-						-				
		-			-			-			-						-				
		-			-			-			-						-				

Brief description of proposed project:

Application for:

Directional bore placing 80' of (2) 1.25" HDPE SDR 11 Conduit Equipped with (1) 288-CT Microfiber Optic cable under Daggerwing Canal along the West side of Woodcrest Dr between Marcus Ct and Woodview Dr.

Is the project proposed to be developed in phases? ☐ Yes ☑ No

Estimated # of Phases:	1
***Permit Fee:**	$ 1,950.00 **(to be verified by staff)**

* See Administrative Policy and Procedures Sections 4.15 – 4.17 for current Permit Fee Amount.

RECEIVED
MAY 28 2026
LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

PART II

OWNER/APPLICANT/ DEVELOPER INFORMATION

A.

Name of Applicant	Lumos Fiber of Florida, LLC						
Mailing Address:	**Street:**	4100 Mendenhall Oaks Parkway, Suite 300					
City:	High Point	**State:**	NC		**Zip:**	27265	
Phone No.	**Area Code:**	515	**Number:**	306-3403	**Ext.**		
Fax No.	**Area Code:**		**Number:**	-			
E-mail Address:	william.kiefer@lumosfiber.com						

B. Relationship of applicant to property*:

☐ **Owner*** ☐ **Trustee*** ☐ **Option holder*** ☐ **Lessee***

☐ **Contract Purchaser*** ☑ **Other (indicate)*** Utility

C.

Name of Developer:						
Mailing Address:	**Street:**					
City:		**State:**			**Zip:**	
Phone No.	**Area Code:**	( )	**Number:**	-	**Ext.**	
Fax No.	**Area Code:**	( )	**Number:**	-		
E-mail Address:						

D.

Name of Authorized Agent(s):	TEP OPCO, LLC.					
Mailing Address:	**Street:**	5906-A Breckenridge Pkwy				
City:	Tampa	**State:**	FL		**Zip:**	33610
Phone No.	**Area Code:**	(502)	**Number:**	552-2733	**Ext.**	
Fax No.	**Area Code:**	( )	**Number:**	-		
E-mail Address:	FL-permitting@tepgroup.net					

E.

Name of Property Owner:						
Mailing Address:	**Street:**					
City:		**State:**			**Zip:**	
Phone No.	**Area Code:**	( )	**Number:**	-	**Ext.**	
Fax No.	**Area Code:**	( )	**Number:**	-		
E-mail Address:						

*A disclosure of the name of all persons or entities having an ownership interest in the property is required (attached).

PART III

DISCLOSURE OF OWNERSHIP INTEREST FORM FORM:

PRIMARY STRAP NUMBER: | | - | | | - | | | - | | | - | | | | | - | | | | |

1. If the property is owned in the fee simple by an **INDIVIDUAL**, tenancy by the entirety, tenancy in common, or joint tenancy, list all parties with an ownership interest as well as the percentage of such interest.

Name and Address	Percentage of Ownership
N/A	

2. If the property is owned by a **CORPORATION**, list the officers and stockholders and the percentage of stock owned by each.

Name, Address, Office	Percentage of Stock
N/A	

3. If the property is in the name of a **TRUSTEE**, list the beneficiaries of the trust with percentages of interest.

Name and Address	Percentage of Interest
N/A	

4. If the property is in the name of a **GENERAL PARTNERSHIP OR LIMITED PARTNERSHIP**, list the names of general and limited partners.

Name and Address	Percentage of Interest
N/A	

5. If there is a **CONTACT FOR PURCHASE**, whether contingent on this application Or not, and whether a Corporation, Trustee, or Partnership, list the names of the contract purchasers below, including the officers, stockholders, beneficiaries, or partners.

Name and Address	Percentage of Interest
N/A	

Date of Contract (mm/dd/yy): / /

6. If any contingency clause or contract terms involve additional parties, list all individuals or officers, if a corporation, partnership, or trust.

Name and Address	Percentage of Interest
N/A	

For any changes of ownership of changes in contracts for purchase subsequent to the date of the application, but prior to the date of final certificate for compliance, a supplemental disclosure of interest must be filed.

The above is a full disclosure of all parties of interest in this application, to the best of my knowledge and belief.

William Kiefer
SIGNATURE OF APPLICANT

William Kiefer
PRINTED OR TYPED NAME OF APPLICANT

STATE OF FLORIDA
COUNTY OF LEE

The foregoing instrument was acknowledged before me this 20 day of MAY (m), 2026 (y), by WILLIAM KIEFER who is personally know to me or has produced _____ as identification.

NOTARY PUBLIC STATE OF FLORIDA
MCKAYLA MARIE MCFADDEN
MY COMMISSION # HH 624042
EXPIRES: December 26, 2028

SIGNATURE OF NOTARY PUBLIC

McKAYLA McFADDEN
PRINTED NAME OF NOTARY PUBLIC

PART IV

EXPLANATION

All Permit Application sections must be completed and submitted.

Permit Application fees and submittal items (see Part VI) must be submitted with the application.

Any and all work involving the lands and/or facilities of the District shall not commence without a Board approved permit.

All set policies, procedures, technical requirements, and fee schedules can be found and reviewed in the 'Administrative Policy and Procedures Guide'. The Guide is available at the District Office located at 601 East County Lane, Lehigh Acres, FL or online at la-msid.com/.

PART V

PROFESSIONAL CONSULTANT FORM

ATTORNEY

Name:							
Mailing Address:							
City:		**State:**				**Zip:**	
Business No.	**Area Code:**	( )	**Number:**	-		**Ext.**	
Other Contact:							

ENGINEER

Name:	TEP-OPCO, LLC JOSH CARDEN						
Mailing Address:	326 Tyron Road						
City:	Raleigh	**State:**	NC			**Zip:**	27603
Business No.	**Area Code:**	(336)	**Number:**	214 -2099		**Ext.**	
Other Contact:							

OTHER REPRESENTATIVE/PROFESSIONAL

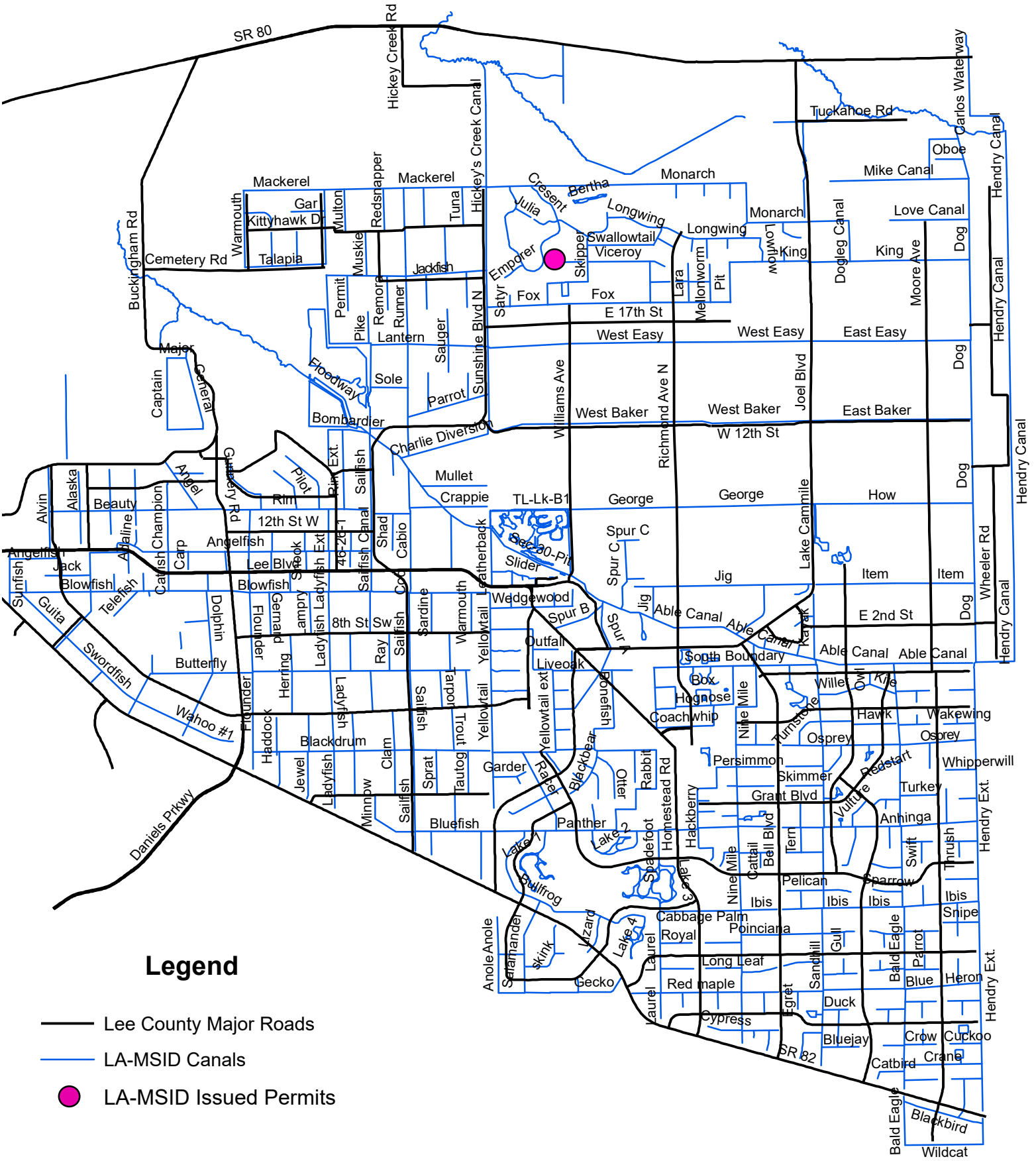
Name:	McKim & Creed						
Mailing Address:	5701 Division Drive, Suite A						
City:	Fort Myers	**State:**	FL			**Zip:**	33905
Business No.	**Area Code:**	(239)	**Number:**	275 - 8875		**Ext.**	
Other Contact:							

PART VI

SUBMITTALS

NO. OF COPIES		SUBMITTAL DOCUMENT
SUB'D	REQ'D	
		ITEMS REQUIRED FOR INITIAL SUBMITTAL
	2	**Construction/Development Plans** signed and sealed by a Licensed Florida Professional Engineer including: 1. Location map showing the location of the proposed project in relation to adjacent streets and LA-MSID facilities. 2. Details of proposed works that fully communicate the work and/or use desired (i.e. Existing Conditions Survey, Proposed Site Plan, Paving Grading & Drainage Plan, Cross Sections, Element Details, and Erosion Control Plan sheets). 3. Sufficient survey data to determine elevations, property and ROW lines, limits of existing and proposed conditions, and notation of utilized vertical datum (NAVD/NGVD).
	2	**Stormwater Drainage Calculations** signed and sealed by a Licensed Florida Professional Engineer including, but not limited to, computer stormwater routing modeling data (ICPR4, Cascade, etc.) to verify compliance with the Design Criteria (input summary data below): **Water Quality Volume (Required):** _____(ACRE-FT) **Water Quality Volume (Provided):** _____(ACRE-FT) **Control Elevation:** _____(FT-NGVD) **Minimum Road/Parking Elevation:** _____(FT-NGVD) *(above the 10-year, 1-day design storm peak stage elevation)* **Minimum Perimeter Berm Elevation:** _____(FT-NGVD) *(above the 25-year, 3-day design storm peak stage elevation)* **Minimum Finished Floor Elevation:** _____(FT-NGVD) *(above the 100-year, 3-day design storm peak stage elevation and previously experienced high-water levels external to project)*
	2	**Flash Drive / CD** containing plans in both AutoCAD (.dwg file drawn in "State Plane Coordinates") and PDF formats.
	2	**Permit Application** (PARTS I & II)
	2	**Disclosure of Owner Form (signed and notarized)** (PART III)
	2	**Professional Consultant Form & Submittals** (PARTS V & VI)
	2	**Copy of Approved FDEP Notice of Intent (NOI)** for all sites one (1) acre and greater in size.
	2	**Copy of approved SWFMD permit**, for all sites required to get a permit, **or FDEP "10/2 Self-Certification"** approval.
	1	**Check for appropriate Permit Fees** made out to LA-MSID.

Permit # 2026-106

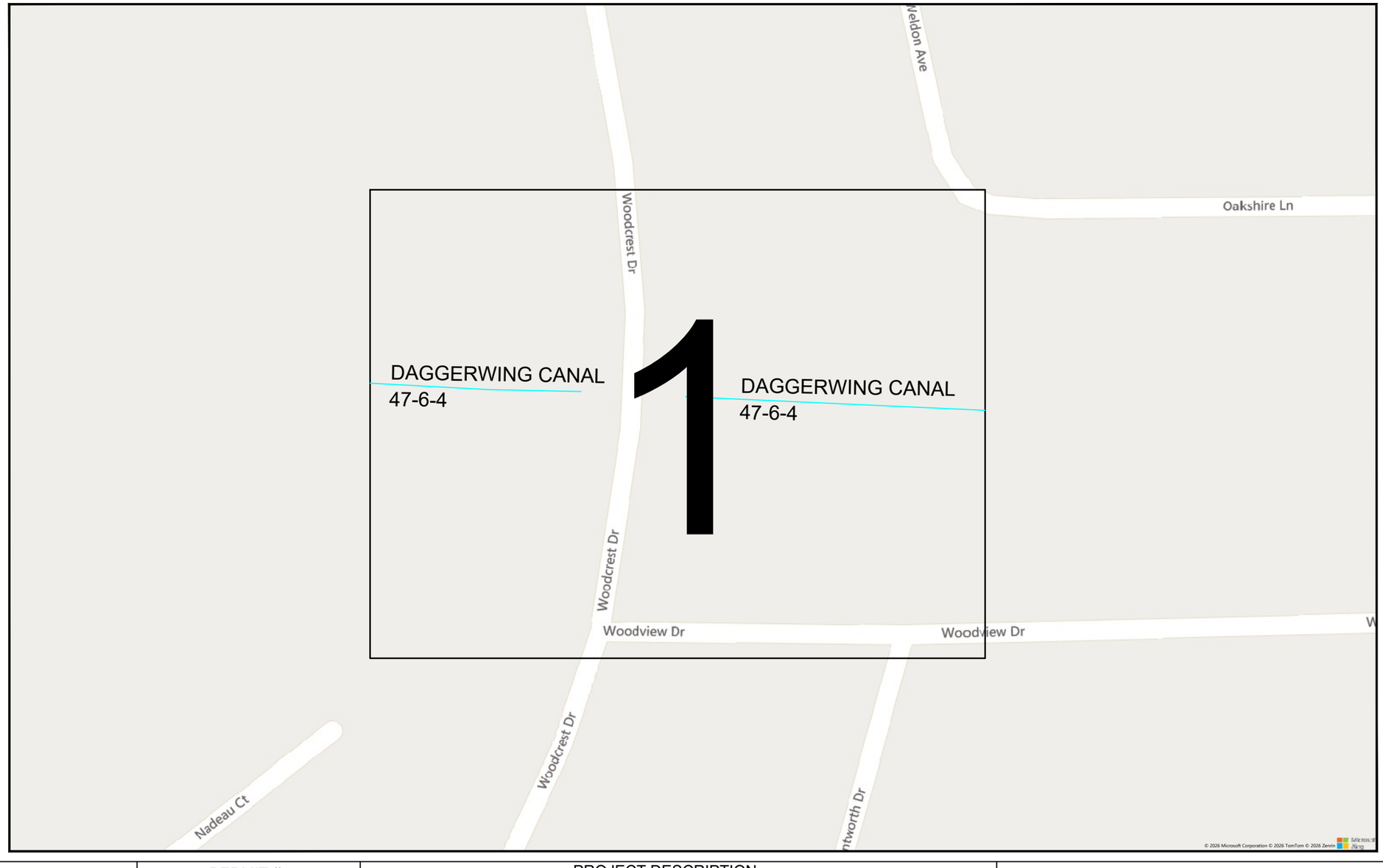


Legend

- Lee County Major Roads
- LA-MSID Canals
- LA-MSID Issued Permits

U38577 - DAGGERWING CANAL - 628 WOODCREST DR-LA-MSID-1

628 WOODCREST DR, LEHIGH ACRES, FL 33972 (26.672781, -81.649817)



Know what's below
Call before you dig.

PERMIT #:

PROJECT DESCRIPTION

- BURIED PLACEMENT OF 197' OF (2) 1.25" HDPE SDR 11 CONDUIT EQUIPPED WITH (1) 288-CT MICROFIBER OPTIC CABLE. (2) PROPOSED HANDHOLES.
- PIPE TO BE INSTALLED BY MEANS OF HORIZONTAL DIRECTIONAL DRILLING AND HAND DIGGING METHODS.
- ALL AREAS DISTURBED BY INSTALLATION TO BE RESTORED TO EXISTING OR BETTER CONDITION.

SHEET INDEX

A - COVER SHEET
B - SOW & CONTACTS
C - LEGEND
D1-D2 - GENERAL NOTES
E - CONSTRUCTION NOTES
F-H - TYPICALS
1- 1 - PROJECT SHEETS
1A - PROFILE VIEW
I1 - I2 - IMAGES

lumos

TEP

5906 BRECKENRIDGE PKWY, SUITE A
TAMPA, FL 33610

TEP IS A FAMILY OF COMPANIES LICENSED TO PROVIDE DIFFERENT SERVICES IN DIFFERENT JURISDICTIONS. DEPENDING ON THE JURISDICTION, PROFESSIONAL ENGINEERING AND LAND SURVEYING SERVICES ARE PROVIDED BY TEP OPCO LLC, A DELAWARE LIMITED LIABILITY COMPANY, TEP ENGINEERING, PLLC, A NORTH CAROLINA PROFESSIONAL LIMITED LIABILITY COMPANY, OR M&H ENGINEERING, PLLC, A NEW YORK PROFESSIONAL LIMITED LIABILITY COMPANY. GENERAL CONTRACTOR SERVICES ARE PROVIDED BY TEPDB OPCO LLC, A DELAWARE LIMITED LIABILITY COMPANY. WE ACQUIRE THE REQUISITE LICENSES IN EACH STATE. ADDITIONAL INFORMATION CAN BE OBTAINED FROM THE COMPANY. THESE DRAWINGS ARE INTENDED TO DEPICT FIBER OPTIC CABLES, CONDUITS, AND RELATED INFRASTRUCTURE WITHIN THE PUBLIC RIGHT-OF-WAY (R/W) OR AREAS WITH VALID, RECORDED EASEMENTS OR LEASES, HOWEVER R/W LOCATIONS ARE BASED SOLELY ON GEOGRAPHIC INFORMATION SYSTEMS (GIS) DATA FROM THE LOCAL JURISDICTION. SURVEYS TO VERIFY R/W OR PROPERTY BOUNDARIES WERE NOT PERFORMED. WHERE INSTALLATION ROUTES EXTEND BEYOND THE R/W, THE UTILITY OWNER/OPERATOR IS SOLELY RESPONSIBLE FOR SECURING AND PROVIDING ALL NECESSARY EASEMENTS, LEASES, OR PROPERTY RIGHTS PRIOR TO CONSTRUCTION. CONTRACTORS SHALL RELY ON THE UTILITY OWNER/OPERATOR'S DOCUMENTATION AND ARE RESPONSIBLE FOR ENSURING THAT CONSTRUCTION OCCURS ONLY WITHIN AUTHORIZED AREAS. TEP, THE ENGINEER, DESIGNER, AND CREATOR OF THESE DRAWINGS ASSUME NO RESPONSIBILITY OR LIABILITY FOR UNAUTHORIZED PLACEMENT OF UTILITIES OUTSIDE THE PUBLIC R/W OR ON PRIVATE PROPERTY WITHOUT PROPER LEGAL AUTHORIZATION. ALL INSTALLATIONS MUST COMPLY WITH APPLICABLE LAWS AND REGULATIONS.

TEP OPCO, LLC
5906-A Breckenridge Pkwy, Tampa, FL 33610
FL COA# 31011
Shaine Herrick - Project Manager
sherrick@tepgroup.net

LUMOS
William Kiefer - OSP Project Engineer
william.kiefer@lumosfiber.com
Phone: (515) 306-3403

Jason Bush
jason.bush@lumosfiber.com
Phone: (850) 428-1313

REV	DESCRIPTION	INITIALS	DATE
0	ORIGINAL	DC	05/14/2026

TEP OPCO, LLC FL COA# 31011

JOSHUA H. CARDEN LICENSE No 83511 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 14th, 2026

This item has been digitally signed and sealed by JOSHUA H. CARDEN on the date adjacent to the seal.

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

SHEET TITLE:
COVER PAGE

PROJECT MANAGER:	SHAINE HERRICK
PROJECT ENGINEER:	DARIA COSTIN
PROJECT NUMBER:	U38577
DESCRIPTION:	628 WOODCREST DR
DRAWING NAME:	U38577 - DAGGERWING CANAL - 628 WOODCREST DR-LA-MSID-1
SHEET:	A of 1

CONFIDENTIAL/PROPRIETARY

SCOPE OF WORK

- BURIED PLACEMENT OF 197' OF (2) 1.25" HDPE SDR 11 CONDUIT EQUIPPED WITH (1) 288-CT MICROFIBER OPTIC CABLE. (2) PROPOSED HANDHOLES.
- PIPE TO BE INSTALLED BY MEANS OF HORIZONTAL DIRECTIONAL DRILLING AND HAND DIGGING METHODS.
- ALL AREAS DISTURBED BY INSTALLATION TO BE RESTORED TO EXISTING OR BETTER CONDITION.

UTILITY OWNER CONTACTS

LUMOS
William Kiefer - OSP Project Engineer
william.kiefer@lumosfiber.com
Phone: (515) 306-3403

Jason Bush
jason.bush@lumosfiber.com
Phone: (850) 428-1313

ENGINEERING COMPANY

TEP OPCO, LLC
5906 BRECKENRIDGE PKWY, SUITE A
TAMPA, FL 33610

DIRECTOR - OSP OPERATIONS:
ALEX MORA
OFFICE : 704-751-1123
AMORA@TEPGROUP.NET

PROJECT MANAGER:
SHAINE HERRICK
SHERRICK@TEPGROUP.NET

UTILITIES CONTACTS

FLORIDA POWER & LIGHT--LEE
FPL CABLE LOCATIONS-DISTRIBUTION SDD/MPE - EDGAR.AGUILAR@FPL.COM, JAMIE.PURNELL@FPL.COM

LUMOS FIBER OF FLORIDA, LLC
JASON BUSH
(850) 428-1313
JASON.BUSH@LUMOSFIBER.COM

FLORIDA GOVERNMENTAL UTILITIES AUTHORITY - LEHIGH
POTABLE WATER/SANITARY SEWER
LINA MARIA QUINTERO, PE
(727) 858-2396

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT
MICHAEL COOK
(239) 368-0044 Ext. 16
MCOOK@LA-MSID.COM
STORM WATER/CANALS

LEE COUNTY DEPARTMENT OF TRANSPORTATION (DOT)
COMMERCIAL RIGHT OF WAY USE PERMIT
(239) 533-8580
ROADS

FDOT
DISTRICT 1 - COUNTIES: CHARLOTTE, COLLIER, DESOTO, GLADES, HARDEE, HENDRY, HIGHLANDS, LEE, MANATEE, OKEECHOBEE, POLK, SARASOTA
801 N. BROADWAY AVENUE
BARTOW, FLORIDA 33830
PHONE: (800) 292-3368
PHONE: (239) 225-1900

lumos

TEP
5906 BRECKENRIDGE PKWY, SUITE A
TAMPA, FL 33610

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REV	DESCRIPTION	INITIALS	DATE
0	ORIGINAL	DC	05/14/2026

TEP OPCO, LLC — FL COA# 31011

JOSHUA H. CARDEN LICENSE No 83511 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 14th, 2026

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SHEET TITLE:
SOW & CONTACTS

PROJECT MANAGER:	SHAINE HERRICK
PROJECT ENGINEER:	DARIA COSTIN
PROJECT NUMBER:	U38577
DESCRIPTION:	628 WOODCREST DR
DRAWING NAME:	U38577 - DAGGERWING CANAL - 628 WOODCREST DR-LA-MSID-1

SHEET:
B of 1

CONFIDENTIAL/PROPRIETARY

LEGEND

LINETYPES

- UG FIBER – EXISTING
- UG FIBER – PROPOSED
- AERIAL FIBER – EXISTING
- AERIAL FIBER – PROPOSED
- COMMUNICATION (COM)
- RECLAIM WATER (RCW)
- DITCH
- GUARDRAIL
- ROAD CENTERLINE
- EASEMENT (ESMT)
- GAS (G)
- WATER (W)
- TELEPHONE (T)
- ELECTRIC (E)
- SANITARY SEWER (SEW)
- STORM DRAIN (SD)
- FENCE (X)
- CABLE TV (TV)
- STEAM (STM)
- OIL (OIL)
- UNKNOWN UTILITY (UNK)
- RIGHT OF WAY (R/W)
- EDGE OF PAVEMENT (EOP)
- SIDEWALK (S/W)

SYMBOL / DESCRIPTION

SYMBOL	DESCRIPTION
BP	BORE PIT
EOP	EDGE OF PAVEMENT
EOTW	EDGE OF TRAVEL WAY
FOC	FIBER OPTIC CABLE
HDPE	HIGH DENSITY POLYETHYLENE
HH	HANDHOLE
JB	JUNCTION BOX
MH	MANHOLE
MP	MILE POST
O/S	OFFSET
PVC	POLY VINYL CHLORIDE
RGS	RIGID GALVANIZED STEEL CONDUIT
ROW	RIGHT OF WAY
S/W	SIDEWALK
STA.	STATION

- CB — CABINET
- P — PEDESTAL
- E — ELECTRIC
- EM — ELECTRIC METER
- MH — MANHOLE
- R — RISER
- T — TELEPHONE
- P — POWER VAULT
- CATCH BASIN/INLET
- FIRE HYDRANT
- GROUND/BOND
- STREET LIGHT
- TREE
- CULVERT
- WING WALL
- BRIDGE
- U — MISC. UTILITY
- UTILITY POLE – EXISTING
- OWNER ID — POLE – PROPOSED
- HH — HANDHOLE – EXISTING
- HH — HANDHOLE – PROPOSED
- PD — PEDESTAL – PROPOSED
- MKR — PROMARK DOME MARKER POST
- BORE PIT – PROPOSED

- 0' — AERIAL STORAGE – EXISTING
- 0' — AERIAL STORAGE – PROPOSED
- 0' — VAULT/BUILDING STORAGE – EXISTING
- 0' — VAULT/BUILDING STORAGE – PROPOSED
- POLE ANCHOR/DOWN GUY – EXISTING
- POLE ANCHOR/DOWN GUY – PROPOSED
- PROPOSED DOWN GUY ON EXISTING ANCHOR
- FDP / NAME / SIZE / LOCATION — TERMINATION – EXISTING
- FDP / NAME / SIZE / LOCATION — TERMINATION – PROPOSED
- BUILDING / NAME / STREET — BUILDING CALLOUT – PROPOSED
- MANUFACTURER NAME — SPLICE POINT – EXISTING
- MANUFACTURER NAME — SPLICE POINT – PROPOSED

#F		
	IN:	0
	OUT:	0

SEQUENTIAL CALLOUT

#F		
	IN:	0
	TAIL:	0

SEQUENTIAL IN TAIL CALLOUT

#F		
	TAIL:	0
	OUT:	0

SEQUENTIAL TAIL OUT CALLOUT

POLE NO	N/A
UTILITY1	0'–0"

POLE ATTACHMENT CALLOUT – EXISTING
USE DYNAMIC PULL DOWN TO SELECT
FROM 1 TO 6 ATTACHMENTS

POLE NO	N/A
UTILITY1	0'–0"

POLE ATTACHMENT CALLOUT – PROPOSED
USE DYNAMIC PULL DOWN TO SELECT
FROM 1 TO 6 ATTACHMENTS

lumos

TEP

5906 BRECKENRIDGE PKWY, SUITE A
TAMPA, FL 33610

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REV	DESCRIPTION	INITIALS	DATE
0	ORIGINAL	DC	05/14/2026

TEP OPCO, LLC — FL COA# 31011

JOSHUA H. CARDEN LICENSE No 83511 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 14th, 2026

This item has been digitally signed and sealed by JOSHUA H. CARDEN on the date adjacent to the seal.

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SHEET TITLE: LEGEND

PROJECT MANAGER:	SHAINE HERRICK
PROJECT ENGINEER:	DARIA COSTIN
PROJECT NUMBER:	U38577
DESCRIPTION:	628 WOODCREST DR
DRAWING NAME:	U38577 - DAGGERWING CANAL - 628 WOODCREST DR-LA-MSID-1

SHEET: C of 1

CONFIDENTIAL/PROPRIETARY

GENERAL NOTES

GENERAL NOTES

CONTRACTOR MUST OBTAIN LOCATES PRIOR TO DISTURBING THE GROUND.

CONTRACTOR MUST HAVE A COPY OF THE APPROVED PERMIT FROM THE APPROPRIATE AGENCY ON THE JOBSITE AT ALL TIMES.

ALL CABLE WILL BE PLACED AT A MINIMUM DEPTH OF 36" DEEP UNLESS OTHERWISE DIRECTED BY A REPRESENTATIVE OF THE UTILITY OWNER.

ANY LANDSCAPING WILL BE REPLACED TO EQUAL OR BETTER THAN THAT WHICH EXISTED PRIOR TO WORK, 72 HOURS AFTER COMPLETION OF WORK.

PROJECT SITE WILL BE PROPERLY SECURED PRIOR TO THE END OF EACH DAY.

ALL WORK IS TO BE IN ACCORDANCE WITH ALL AUTHORITIES HAVING JURISDICTION IN THE WORK ZONE.

CONTRACTORS ARE ADVISED TO CONTACT THE PROJECT MANAGER FOR ANY ADDITIONAL INFORMATION OR CLARIFICATION CONCERNING SCOPE OF WORK OR THE REQUIREMENTS NECESSARY FOR PROJECT COMPLETION.

CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY ALL DIMENSIONS, QUANTITIES AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION. IF A SIGNIFICANT CHANGE TO THE RUNNING LINE IS NEEDED, PLEASE CONTACT THE PROJECT MANAGER BEFORE PROCEEDING.

BEFORE CONSTRUCTION BEGINS, CONTRACTOR SHALL TAKE APPROPRIATE PRECAUTIONS TO AVOID ANY POTENTIAL OBSTRUCTIONS PRIOR TO PROCEEDING WITH WORK.

NO CONSTRUCTION ON PRIVATE PROPERTY WILL COMMENCE UNTIL APPROVAL IS GIVEN BY A REPRESENTATIVE OF THE UTILITY OWNER.

CONTRACTOR SHALL NOT PROCEED WITH WORK UNTIL THEY HAVE RECEIVED A PURCHASE ORDER AND HAVE BEEN DIRECTED TO DO SO BY AN AUTHORIZED REPRESENTATIVE OF THE UTILITY OWNER.

CONTRACTOR SHALL NOT EXCEED THE PURCHASE ORDER VALUE WITHOUT AUTHORIZATION IN WRITING FROM THE APPROPRIATE REPRESENTATIVE OF THE UTILITY OWNER.

AS-BUILTS WILL BE REQUIRED FOR EACH PROJECT INCLUDING CABLE FOOTAGE SEQUENTIALS AT EVERY ACCESS POINT, SLACK LOOP, SPLICE LOCATION, POLE AND TERMINATION POINT. CONTRACTOR SHOULD ALSO PROVIDE NOTES OF ALL CHANGES IN DEPTHS, RUNNING LINES, MH/HH LOCATIONS, AND ANY OTHER APPLICABLE NOTES TO DEPICT THE WORK THAT TOOK PLACE. NOTE: ALL MAJOR CHANGES NEED TO BE PRE-APPROVED BY AN AUTHORIZED REPRESENTATIVE OF THE UTILITY COMPANY PRIOR TO STARTING THE WORK.

SITE CONDITIONS

THE ACTUAL LOCATION OF EXISTING CONDUIT AND CABLES MAY VARY FROM THE LOCATION SHOWN. REPAIR OF ANY DAMAGED CONDUIT CONTAINING CABLE SHALL BE MADE BY USE OF PVC SPLIT DUCT. THE CONTRACTOR SHALL ENCLOSE THE EXISTING CABLES IN PVC.

THE LOCATIONS OF EXISTING UTILITIES SHOWN IN THIS PLAN ARE APPROXIMATE. WHEN WORK IS TO BE CONDUCTED IN THE VICINITY OF KNOWN UTILITIES, THEIR ACTUAL LOCATION MUST BE FIELD VERIFIED TO AVOID CONFLICTS OR DAMAGE TO THOSE UTILITIES. VARIATION IN LOCATION BETWEEN "RECORDED POSITIONS" AND ACTUAL POSITIONS SHOULD BE ANTICIPATED.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES. BURIED UTILITIES MAY EXIST IN THE AREA IN ADDITION TO THOSE SHOWN ON THE PLAN. THE CONTRACTOR SHALL CONTACT PROPERTY OWNERS WHEN WORKING WITHIN PRIVATE EASEMENTS FOR LOCATION OF UNDERGROUND TANKS, PIPELINES, DRAIN TILES, OR OTHER BURIED IMPROVEMENTS. THE CONTRACTOR SHALL ALSO NOTIFY THE UTILITY NOTIFICATION CENTER PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITIES.

THE CONTRACTOR MUST ASSUME ALL BURIED UTILITIES ENCOUNTERED ARE ALIVE AND ACTIVE UNLESS SPECIFICALLY INSTRUCTED OTHERWISE BY OWNERS OR OPERATORS OF SAID UTILITIES.

DAMAGE TO SUB-SURFACE STRUCTURES IS THE SOLE RESPONSIBILITY OF THE PLACING CONTRACTOR.

THE CONTRACTOR SHALL PROTECT THE EXISTING TRAFFIC CONTROL LOOPS. IF EXISTING TRAFFIC CONTROL LOOPS ARE DAMAGED DURING CONSTRUCTION, THE ENTIRE LOOP WIRE FROM TERMINAL TO TERMINAL SHALL BE REPLACED IN ACCORDANCE WITH GOVERNING AGENCY STANDARDS AND REGULATIONS AT CONTRACTOR'S EXPENSE.

REMOVAL OF EXISTING ASPHALT PAVEMENT, CONCRETE CURBS, AND CONCRETE SIDEWALKS WILL BE "NEAT LINE" WITH SAW OR PAVEMENT CUTTER, PER REQUIREMENTS AND SPECIFICATIONS OF THE AGENCY OR DEPARTMENT RESPONSIBLE FOR EACH LOCATION. IF CONCRETE PAVEMENT IS ENCOUNTERED WHILE EXCAVATING CONDUIT TRENCHES, THE CONCRETE REMOVAL WILL BE "NEAT LINE" WITH A PAVEMENT SAW.

IF CONCRETE CURB RETURNS AND/OR SIDEWALKS ARE REPLACED DUE TO CONDUIT OR MANHOLE INSTALLATION, THE CONTRACTOR SHALL PLACE APPROVED HANDICAPPED SIDEWALK AND CURB ACCESS RAMPS IN CONFORMANCE WITH THE APPROPRIATE STATE STATUTES.

ALL MATERIALS NECESSARY FOR THE REPAIR OF STREETS, CURBS, SIDEWALKS, SANITARY SEWERS, STORM SEWERS, AND PUBLIC SERVICE UTILITIES, AND THE INSTALLATION OF SUCH MATERIALS SHALL BE IN CONFORMANCE WITH THE REQUIREMENTS AND SPECIFICATIONS OF THE AGENCY OR DEPARTMENT RESPONSIBLE FOR THE OPERATION AND MAINTENANCE OF THE REPAIRED FACILITY.

ALL WORK SHALL CONFORM TO THE SPECIFICATIONS OF THE JURISDICTIONAL PERMIT AGENCY.

ALL OPEN TRENCH WILL BE CLEARLY MARKED WITH BARRICADES OR CONES. STEEL PLATES OR OTHER TYPES OF BRIDGING SHALL BE PROVIDED TO COVER OPEN TRENCH IN THE TRAVEL PORTION OF THE STREETS. THESE PLATES OR BRIDGING SHALL BE ADEQUATE TO SUPPORT THE NORMAL VEHICLE LOADS ANTICIPATED IN THIS AREA AND SHALL BE IN PLACE DURING ALL NON-WORKING AREAS.

ALL SURFACES TO BE RESTORED TO ORIGINAL CONDITION, AND BACKFILL TO BE COMPACTED AS SPECIFIED. TRENCH EXCAVATION IN SURFACES WHICH INCLUDE CONCRETE TREATED BASE SHALL FOLLOW LOCAL AREA SPECIFICATIONS.

HAZARDOUS MATERIALS

THE CONTRACTOR SHALL NOTIFY THE JURISDICTIONAL PERMIT AGENCY IMMEDIATELY IF ANY MATERIALS ARE ENCOUNTERED THAT ARE CONSIDERED HAZARDOUS BY THE EPA, DEQ, OR OSHA. IF POTENTIALLY HAZARDOUS MATERIALS ARE ENCOUNTERED THE CONTRACTOR SHALL SECURE THE SITE AND PREVENT THE ACCIDENTAL EXPOSURE BY THE PUBLIC OR THE CONTRACTOR'S PERSONNEL.

THE CONTRACTOR MAY EXCAVATE UP TO, BUT SHALL NOT DISTURB KNOWN HAZARDOUS MATERIALS SUCH AS ASBESTOS, OILS, ACID, ETC. THE REMOVAL OF ALL HAZARDOUS MATERIALS MUST BE DONE BY AN APPROVED OR CERTIFIED HAZARDOUS MATERIALS CONTRACTOR LICENSED IN THE APPROPRIATE STATE.

A COPY OF ALL CORRESPONDENCE PERTINENT TO THE REMOVAL OF HAZARDOUS MATERIALS SHALL BE TRANSMITTED TO OWNER AND A COPY SHALL BE AVAILABLE AT THE PROJECT OFFICE AND THE JOB SITE.

AERIAL NOTES

- AERIAL CONSTRUCTION TO BE PERFORMED TO INDUSTRY ACCEPTABLE STANDARDS.
- ALL HEIGHTS OF CABLE PLACEMENT WILL BE RECORDED AT TIME OF CONSTRUCTION. DOCUMENT ALL POINTS OF ATTACHMENT.
- ALL EXTENSION ARMS TO BE PLACED WILL BE EPOXY ARMS UNLESS OTHERWISE NOTED OR APPROVED BY THE INSPECTOR.
- BOND STRAND TO POWER MGN WHERE APPLICABLE. ANCHORS TO BE USED WILL BE 3/4 SCREW IN TYPE.
- ALL STRAPS WILL BE PLACED 4" BEFORE AND AFTER EVERY SUPPORTING CLAMP AT A MINIMUM OF 21" APART.
- P.O.A. = POINT OF ATTACHMENT.
- ADD MISSING GROUNDS.
- REPAIR/REPLACE EXISTING LASHING WIRE IF DAMAGED.

CONSTRUCTION STAKING

IN AREAS WHERE THE CONDUIT ALIGNMENT IS NOT CLEARLY DEFINED BY CURB LINES, FENCE LINES, OR OTHER EVIDENCE OF THE RIGHT-OF-WAY, THE ENGINEER WILL PROVIDE CENTERLINE STAKES OR PAINT MARKS WHERE REQUIRED TO MAKE THE PROPOSED CONDUIT ALIGNMENT EVIDENT.

MANHOLE CENTERS WILL BE FIELD STAKED BY THE ENGINEER WHEN REQUESTED WITH OFFSET STAKES AT RIGHT ANGLES (90°) TO THE CONDUIT ALIGNMENT.

CLOSURES IDENTIFIED IN THE PLANS SHALL BE LOCATED BY THE CONTRACTOR. DEVIATION FROM PLAN LAYOUT SHALL BE APPROVED BY THE ENGINEER PRIOR TO CONDUIT AND/OR CLOSURE INSTALLATION.

IF ADDITIONAL, FIELD STAKING OR LOCATION OF CONDUITS, MANHOLES, PROPERTY LINES, ETC., BECOMES NECESSARY, THE CONTRACTOR IS TO NOTIFY THE INSPECTOR OR THE ENGINEER TWO WORKING DAYS PRIOR TO BEGINNING THE WORK.

lumos

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TEP OPCO, LLC FL COA# 31011

JOSHUA H. CARDEN LICENSE No 83511 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 14th, 2026

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SHEET TITLE:
GENERAL NOTES

PROJECT MANAGER:	SHAINE HERRICK
PROJECT ENGINEER:	DARIA COSTIN
PROJECT NUMBER:	U38577
DESCRIPTION:	628 WOODCREST DR
DRAWING NAME:	U38577 - DAGGERWING CANAL - 628 WOODCREST DR-LA-MSID-1

SHEET:
D1 of 1

CONFIDENTIAL/PROPRIETARY

GENERAL NOTES

PERMITS - FRANCHISES - EASEMENTS

PHYSICAL WORK SHALL NOT BE STARTED UNTIL THE GOVERNING AGENCY INSPECTOR AND THE CONTRACTOR ARE IN POSSESSION OF AND HAVE CAREFULLY REVIEWED AND FULLY UNDERSTAND ALL CONDITIONS AND SPECIFICATIONS SET FORTH IN THE REQUIRED PERMITS, FRANCHISES, AND/OR EASEMENTS.

PLACING FOREMAN TO HAVE A COPY OF THE PERMITS/EASEMENTS ON SITE AT ALL TIMES.

ANY CONFLICT BETWEEN WORK PRINT SPECIFICATIONS AND SPECIFICATIONS SET FORTH UNDER RELATED PERMITS, FRANCHISES, AND/OR EASEMENTS MUST BE CLEARED BY PROPER COMPANY AUTHORITY BEFORE PROGRESSING WITH WORK INVOLVED

TRAFFIC CONTROL

THIS PROJECT WILL INVOLVE WORKING ALONG A MAJOR ARTERIAL ROAD AND HEAVY TRAFFIC VOLUME SHOULD BE ANTICIPATED.

UNIFORM TRAFFIC FLOW SHALL BE MAINTAINED AT ALL TIMES. ONLY EQUIPMENT AND MATERIALS NECESSARY FOR IMMEDIATELY SCHEDULED OR IN PROGRESS WORK WILL BE MAINTAINED IN THE WORK AREA. ALL OTHER EQUIPMENT AND MATERIALS WILL BE "STORED OR STOCKPILED" IN SUCH A MANNER AS TO ELIMINATE HAZARDOUS CONDITIONS FOR TRAFFIC OR PEDESTRIANS DURING NON-WORKING OR SHUT DOWN PERIODS.

TRAFFIC WARNING DEVICES AND SIGNS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (U.S. GOVERNMENT PRINTING OFFICE) AND TO THE STATE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION. HIGH LEVEL WARNING TYPE DEVICES ARE TO BE USED AT ALL TIMES AND SPECIAL WARNING DEVICES MAY BE STIPULATED BY THE JURISDICTIONAL PERMIT AGENCY AT ANY TIME THE USE WILL ADD TO THE SAFETY AND PROTECTION OF TRAFFIC OR PEDESTRIANS IN THE CONSTRUCTION AREA.

ALL CONDUIT TRENCHING IN PAVED AREAS SHALL BE BACKFILLED WITH CRUSHED GRAVEL OR COMPLETELY COVERED AT THE COMPLETION OF EACH WORKING DAY. ANY BACKFILLED TRENCH SHALL BE CAPPED WITH A MINIMUM LAYER OF ASPHALTIC CONCRETE COLD PATCH AT THE END OF EACH WORKING DAY.

THE CONTRACTOR SHALL MARK THE CONDUIT TRENCH AND DEFINE HIS CONSTRUCTION AREA CLEARLY WITH BARRICADES, CONES, AND/OR OTHER VISIBLE METHODS THAT ALERT THE PUBLIC OF THE CONSTRUCTION ACTIVITY.

A TRAFFIC CONTROL PLAN SHALL BE PREPARED BY THE CONTRACTOR AS REQUIRED AND SUBMITTED TO EACH PERMITTING AGENCY REQUESTING SUCH PLAN FOR REVIEW AND APPROVAL OR REVISION PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITY FOR THIS PROJECT. THE APPROVED PLAN SHALL BE SUBMITTED TO THE AGENCY AND A COPY OF THE PLAN SHALL BE KEPT AT THE CONSTRUCTION SITE AND MUST BE READILY AVAILABLE REVIEW BY THE AGENCY REPRESENTATIVES.

SPECIAL UTILITY CLEARANCES

ALL WORK CONDUCTED ADJACENT TO WATER MAINS SHALL CONFORM TO THE FOLLOWING CONDITIONS:

A. WHEREVER POSSIBLE CONDUIT SHALL MAINTAIN A HORIZONTAL SEPARATION OF 3.0 FEET, MEASURED SURFACE TO SURFACE (OUTSIDE EDGE TO OUTSIDE EDGE), FROM PARALLEL WATER MAINS.

B. WHEREVER POSSIBLE, CONDUIT SHALL PASS UNDER EXISTING WATER MAINS AND MUST MAINTAIN 24" VERTICAL CLEAR SEPARATION. CONDUITS PASSING OVER WATER MAINS MUST ALSO MAINTAIN THE 24" VERTICAL SEPARATION.

C. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING THIS REQUIRED VERTICAL SEPARATION BY EITHER EXPOSING THE WATER MAIN EVERY 100 FEET IN THOSE AREAS WHERE HORIZONTAL SEPARATION IS LESS THAN 3.0 FEET OR BY UTILIZING THE DEPTHS OF ADJACENT WATER VALVES. IF THE CONTRACTOR UTILIZES THE ADJACENT WATER TO DETERMINE WATER MAIN DEPTH, HE SHALL CONTACT THE AGENCY AT EACH SUCH LOCATION AND THE AGENCY WILL DETERMINE THE NECESSARY DEPTH OF THE TOP OF THE CONDUIT AT THAT POINT.

D. THE VERTICAL AND HORIZONTAL SEPARATION SHALL BE MAINTAINED AT ALL TIMES UNLESS SPECIFICALLY REVISED BY AGREEMENT BETWEEN THE JURISDICTIONAL PERMIT AGENCY AND THE AGENCY ANY SPECIFIC DEVIATION IN VERTICAL AND HORIZONTAL SEPARATION FROM THOSE DESCRIBED SHALL BE REPORTED TO THE OWNER BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING VERTICAL AND HORIZONTAL SEPARATION AT ALL TIMES AND SHALL BE RESPONSIBLE FOR ANY AND ALL ENCROACHMENTS.

E. CLEARANCES TO STORM SEWERS AND SANITARY SEWERS SHALL BE EXACTLY THE SAME AS THOSE TO WATER MAINS.

STRUCTURE PROTECTION

MANHOLES AND CONDUIT TO BE PLACED ADJACENT TO EXISTING STRUCTURES SUCH AS BRIDGE BRIDGE FOOTINGS/PIERS, BUILDING FOUNDATIONS, WALLS, POWER AND TELEPHONE POLES, AND OTHER UTILITIES SHALL MAINTAIN A MINIMUM CLEARANCE AS SHOWN. THE CONTRACTOR SHALL NOT UNDERMINE ANY ADJACENT STRUCTURE WITHOUT SPECIFIC WRITTEN PERMISSION FROM THE OWNER/OPERATOR OF SUCH STRUCTURE.

SHORING USED AS FOUNDATION SUPPORT SHALL BE DESIGNED SPECIFICALLY FOR BOTH THE LIVE AND DEAD LOADS OF THE STRUCTURE, OR IF ONLY THE DEAD LOAD IS USED FOR DESIGN, THE CONTRACTOR SHALL PROVIDE A DETAILED LAYOUT AND PLAN OF THE METHOD OF ESTABLISHING AND MAINTAINING THE DESIGN LOAD CONDITIONS (I.E., ROAD DETOURS, TIEBACKS, ETC.).

SEE UTILITY CLEARANCE SECTION NOTES FOR CLEARANCE CRITERIA TO PARALLEL OR CROSS UTILITIES.

EXISTING UTILITIES EXPOSED DURING EXCAVATION SHALL BE 100% SUPPORTED BY EITHER TRENCH BRIDGING AND SUSPENSION OR BY THE USE OF LONGITUDINAL TRAYS OR PLATFORMS VERTICALLY SUPPORTED BY ADJUSTABLE BUILDING JACKS.

EXISTING SPLICE CASES AND CABLES SHALL BE SUPPORTED BY SUSPENSION FROM A CROSSING BEAM. SUPPORTS SHALL BE PLACED AT A MAXIMUM SPACING OF 4.0 FEET AND SHALL CONSIST OF A CANVAS SLING WITH NYLON BELTING OR ROPE. ALL CABLE SUPPORTS SHALL BE PLACED IN A MANNER THAN PREVENTS KINKS OR OTHER DAMAGE TO THE CABLE SHEATH.

AN ACCEPTABLE ALTERNATIVE TO CABLE SLINGS WOULD BE THE UTILIZATION OF A WIDE FLANGE "I" BEAM OR CHANNEL AS A "CABLE TRAY" WITH THE CABLES/CASES BANDED IN PLACE.

SHORING

THE CONTRACTOR SHALL PROVIDE SHORING FOR CONDUIT TRENCH EXCAVATION 42" OR MORE IN DEPTH AS MEASURED FROM THE HIGH SIDE OF THE TRENCH AND FOR ALL MANHOLE EXCAVATION.

MANHOLE SHORING SHALL BE TIGHT-SHEETED.

ALL SHORING SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF LOCAL COUNTY AND THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA).

SHORING SHALL BE DESIGNED TO MEET H-20 HIGHWAY LOADING.

THE CONTRACTOR SHALL PROVIDE ALL SHORING AND DESIGN CALCULATIONS TO THE PERMIT ISSUING AGENCY PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITY.

UTILITY NOTE:

EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND BASED ON AVAILABLE RECORDS, VERBAL INFORMATION AND/OR PHYSICAL FEATURES. PRIOR TO CONSTRUCTION (AT LEAST 72 HOURS OR THE MORE RESTRICTIVE MINIMUM NOTIFICATION PERIOD), THE CONTRACTOR SHALL CONTACT SUNSHINE 811 TO ALLOW MARKING OF EXISTING BURIED UTILITIES WITHIN THE SCOPE OF THE PROPOSED WORKZONE.

SOFT DIGS &/OR POTHOLING SHALL BE REQUIRED BY CONTRACTOR TO IDENTIFY EXISTING UTILITY DEPTHS.

MINIMUM 24" SEPARATION SHALL BE MAINTAINED FROM ALL EXISTING UTILITIES UNLESS SUPERVISED.

lumos

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May 14th, 2026

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SHEET TITLE:
GENERAL NOTES

PROJECT MANAGER:	SHAINE HERRICK
PROJECT ENGINEER:	DARIA COSTIN
PROJECT NUMBER:	U38577
DESCRIPTION:	628 WOODCREST DR
DRAWING NAME:	U38577 - DAGGERWING CANAL - 628 WOODCREST DR-LA-MSID-1

SHEET:
D2 of 1

CONFIDENTIAL/PROPRIETARY

FDOT CONSTRUCTION NOTES

1. Aerial crossings of State roads involving temporary lane closures are to be done between the hours of 12:00 am and 5:00 am Monday through Thursday unless previously approved by the Department.

2. When directional bore is the method of installation, a minimum 24-inch separation shall be maintained from all existing utilities unless supervised, ITS/ATMS lines, and storm drain systems while maintaining the minimum required depth under pavement or non-paved ground.

3. If the proposed utility cannot be installed per the approved permitted plan and by FDOT specifications, a revised plan must be provided to the Department for review and approval prior to the installation of products or materials at the given locations where conflicts occur.

4. Any new proposed plan shall include cross sections, plan views and profiles of the State road adequately reflecting all right-of-way features including but not limited to existing utilities, storm drain systems and any above or below ground appurtenances where applicable.

5. No pedestrian pathway is to be removed, blocked, or disturbed without having a sufficient designated temporary pedestrian pathway with all appropriate pedestrian maintenance of traffic signs (Index 660) in-place prior to pathway being affected.

6. All temporary pedestrian pathways must be firm and unyielding.

7. Any sidewalk disturbed will be replaced by section within 72 hours to FDOT specifications.

8. Any sidewalk fronting the property that is cracked, damaged or unstable and is creating an ADA trip hazard must be replaced by section, using Standard #520-001, #522-002, and #522-001 for the construction of sidewalk and meet current ADA Standards. All concrete placed in the right of way shall be a minimum of 6" thick, FDOT Certified Class 1 non-structural, 57 stone, 2500 PSI concrete, with fiber mesh material from a FDOT approved plant.

9. FDOT reserves the right to make adjustments to any permitted method of installation, scope of work, and restoration that may be required to positively support life, safety, and environmental well-being of all users of the transportation system.

10. The Permittee shall notify the FDOT of date of completion, request a final inspection, and a Notice of Final Acceptance.

11. All construction and/or maintenance in the FDOT right-of-way shall conform to the Federal Manual on Uniform Traffic Devices (MUTCD), the FDOT Roadway and Traffic Design Standards, the Standard Specifications for Road and Bridge Construction, the Florida Design Manual, and the Drainage Manual.

12. Prior to removal of existing curb or driveway, the edge of travel shall be sawcut to avoid damaging the existing roadway asphalt. All concrete to be removed in FDOT right-of-way shall be sawcut and removed from the nearest joint.

13. No lane closure of any State roadway is allowed without a minimum of two (2) weeks advance notification and approval from FDOT.

14. Lane closures must be limited to Sunday through Thursday 8:00 pm to 5:30 am unless otherwise approved by FDOT.

15. Any sidewalk damaged because of work being performed in association with the Permittee and Contractor shall be removed and replaced with 6-inch thick Class 1 non-structural, 2,500 PSI with fiber mesh.

16. Open cutting of any roadway, driveway or sidewalk outside those limits identified within the permit are not allowed without prior approval of by FDOT.

17. The Contractor shall have an authorized person available at/or near the work site on a 24-hour basis, 7 days a week in order to address emergency issues associated with the project.

18. No stockpiling, storing or semi-permanent use of the right-of-way is authorized unless specifically identified within the permit.

19. No work shall be performed during the weeks of any State or Federal holiday unless otherwise approved in writing by FDOT.

20. The permitted work schedule is defined as Monday through Friday 7:00 am to 5:30 pm unless otherwise noted within the permit. Any work desired outside of this period must be requested in advance and approved before working the alternate schedule.

21. When work is associated with roadway modifications and/or site development, the Contractor is required to have a preconstruction meeting with the FDOT inspector two weeks prior to any construction beginning within the right-of-way.

22. All work performed under this permit within the right-of-way is to be scheduled with FDOT inspection staff.

23. Roadway restoration shall utilize 100 PSI excavatable flowable fill material and asphalt placed within the State right-of-way shall be placed full-depth, two 2.5-inch lifts of SP 12.5, two 1.5-inch lifts of SP 9.5. Typical sections will need to be provided within the plans for the pavement placement. A stair step method should be incorporated, prior to placing asphalt, to avoid vertical joints. Milling of the patch may be required based on the patched surface performance. The milling shall be utilized for surface leveling to a thickness equal to or greater than the existing friction coarse material. The milling limits are 50-foot of the patch along the longitudinal path of the lane, full lane width and to include any adjacent bike lanes, shared path or urban shoulder sections.

24. Any disruptions to any permeable pedestrian way and bike lane are to be restored as work continues. All patches shall be full width from outside edge of pedestrian path to white line edge of travel lane with stair step (staggered) joints. Restoration to include backfill with existing sub-grade material and #57 stone as base material (compact in 6-inch lifts) to bottom of existing pervious asphalt base, followed by permeable design mix (if available) or FC-5 (Friction Course) mix with a minimum 2-inch and maximum 3-inch lifts. Maintain ingress/egress on all drives and side streets during construction.

25. Any bore pit greater than five (5) feet in depth requires a Sheeting and Shoring Plan as well as a Dewatering Plan.

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REV	DESCRIPTION	INITIALS	DATE
0	ORIGINAL	DC	05/14/2026

TEP OPCO, LLC FL COA# 31011

JOSHUA H. CARDEN LICENSE No 83511 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 14th, 2026

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SHEET TITLE:
CONSTRUCTION NOTES

PROJECT MANAGER:	SHAINE HERRICK
PROJECT ENGINEER:	DARIA COSTIN
PROJECT NUMBER:	U38577
DESCRIPTION:	628 WOODCREST DR
DRAWING NAME:	U38577 - DAGGERWING CANAL - 628 WOODCREST DR-LA-MSID-1

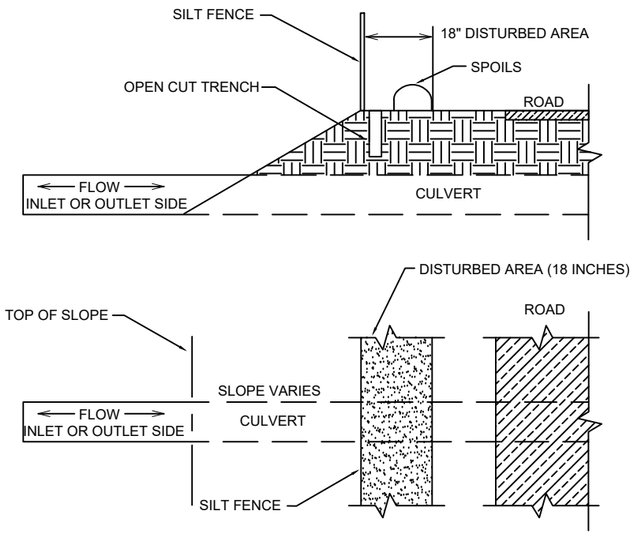
SHEET:
E of 1

CONFIDENTIAL/PROPRIETARY

TYPICALS

CULVERT CUT OVER ON ROADSIDE SHOULDER

NOT TO SCALE



GENERAL NOTES

1. INSTALL SILT FENCE TO PROTECT DOWNSTREAM AREAS FROM SEDIMENTATION PRIOR TO CONSTRUCTION.
2. INSTALL SILT FENCE AS NEEDED TO PROTECT DRAINAGE FEATURES, BUT NO LESS THAN 10' ON EITHER SIDE OF CULVERT.

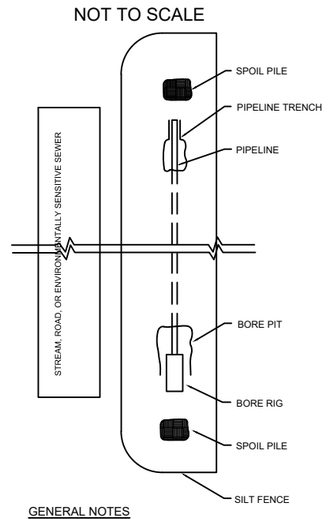
MAINTENANCE NOTES

INSPECT CULVERT CROSSING STRUCTURES WEEKLY AND AFTER EACH SIGNIFICANT RAINFALL EVENT (0.5" OR GREATER) TO SEE IF ANY EROSION AROUND OR BELOW THE SILT FENCE HAS OCCURRED, IMMEDIATELY MAKE ALL NEEDED REPAIRS TO PREVENT FURTHER DAMAGE.

*REF: 6.41.5 NC Erosion and Sediment Control Planning and Design Manual, 2006

DIRECTIONAL BORE DETAIL (PARALLEL)

NOT TO SCALE

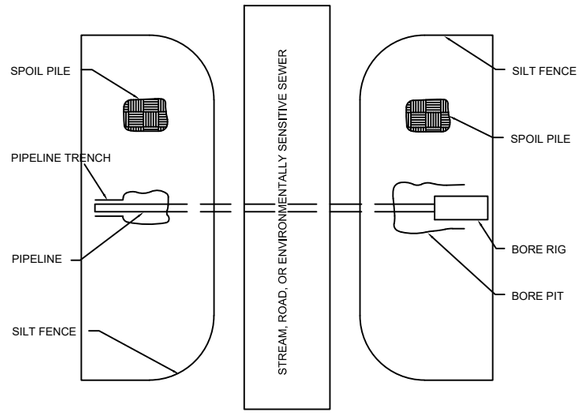


GENERAL NOTES

1. BORE PITS AND SPOILS PILES SHALL BE ENCLOSED ON THREE SIDES AS SHOWN WITH SILT FENCE

DIRECTIONAL BORE DETAIL (TRAVERSE)

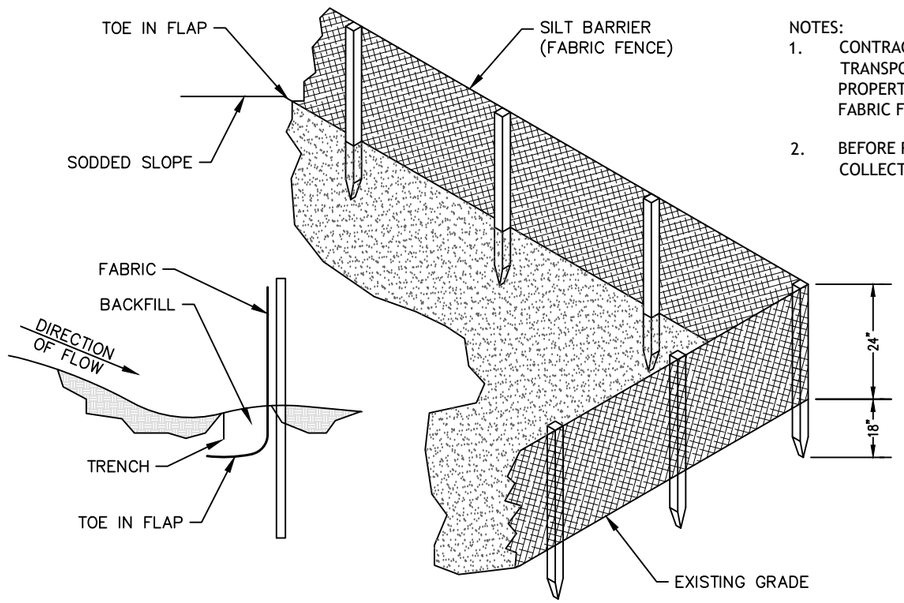
NOT TO SCALE



GENERAL NOTES

1. BORE PITS AND SPOILS PILES SHALL BE ENCLOSED ON THREE SIDES AS SHOWN WITH SILT FENCE

FABRIC FENCE SILT - BARRIER



NOTES:

1. CONTRACTOR IS REQUIRED TO PREVENT ANY SEDIMENT TRANSPORT FROM THE PROJECT SITE ON TO ADJACENT PROPERTY. INSTALLATION OF EITHER BALED HAY OR FABRIC FENCE TYPE SILT BARRIER IS ACCEPTABLE.
2. BEFORE REMOVING SILT BARRIER, CONTRACTOR SHALL COLLECT AND DISPOSE OF ANY ACCUMULATED SILT.

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PROJECT ENGINEER:	DARIA COSTIN
PROJECT NUMBER:	U38577
DESCRIPTION:	628 WOODCREST DR
DRAWING NAME:	U38577 - DAGGERWING CANAL - 628 WOODCREST DR-LA-MSID-1

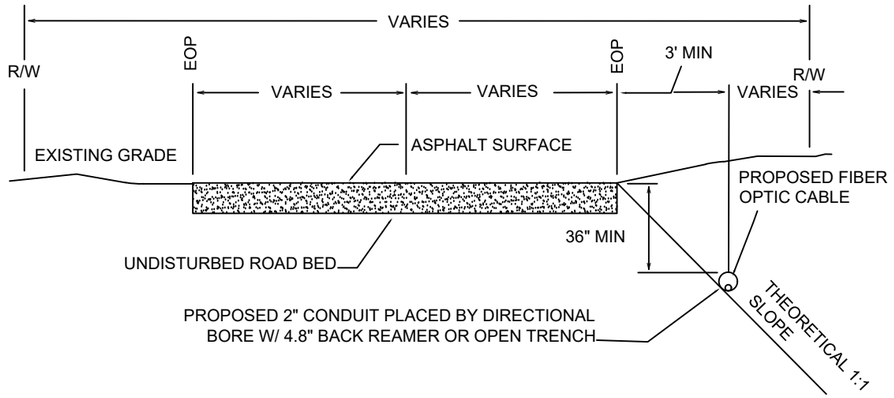
SHEET: F of 1

CONFIDENTIAL/PROPRIETARY

TYPICALS

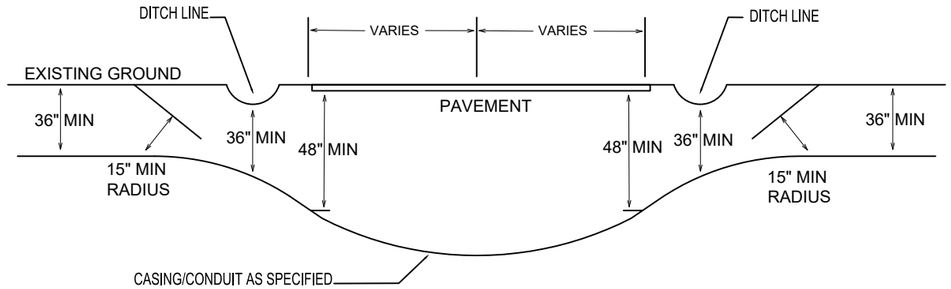
PARALLEL CONDUIT DETAIL FOR FDOT RIGHT-OF-WAY

NOT TO SCALE



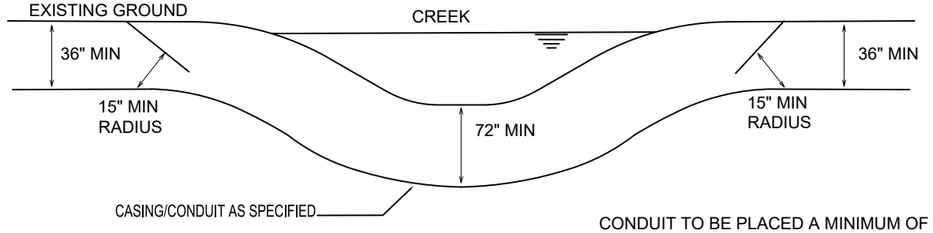
DIRECTIONAL BORE UNDER SECONDARY ROADWAY

NOT TO SCALE



DIRECTIONAL BORE UNDER CREEK BED

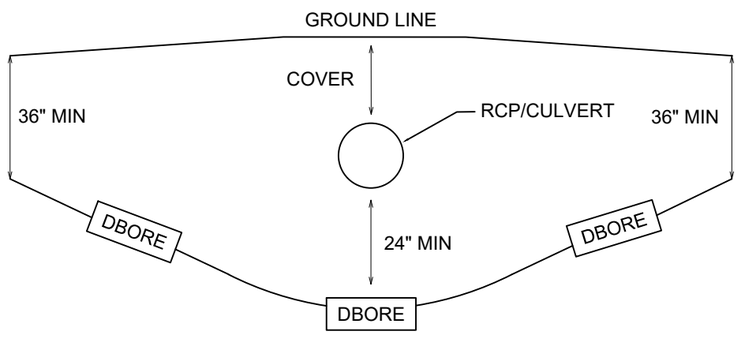
NOT TO SCALE



CONDUIT TO BE PLACED A MINIMUM OF 6 FEET BELOW CREEK BED

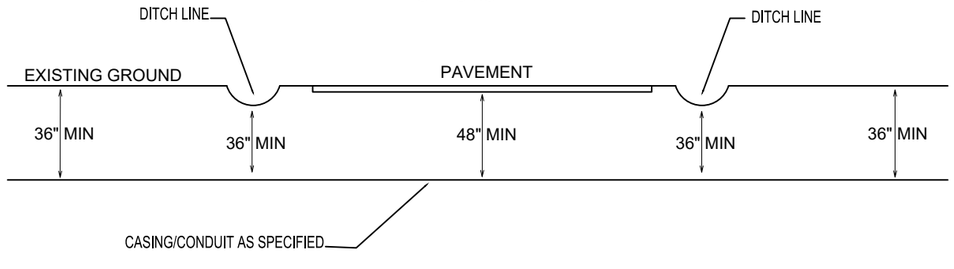
CULVERT CROSSING DETAIL

NOT TO SCALE



DRY BORE UNDER ROADWAY

NOT TO SCALE



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PROJECT ENGINEER:	DARIA COSTIN
PROJECT NUMBER:	U38577
DESCRIPTION:	628 WOODCREST DR
DRAWING NAME:	U38577 - DAGGERWING CANAL - 628 WOODCREST DR-LA-MSID-1

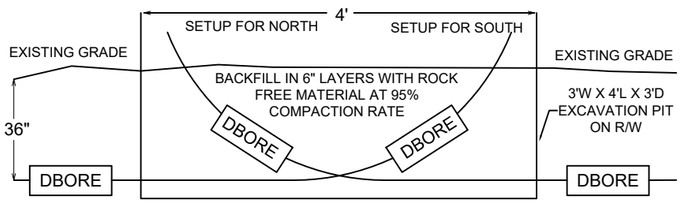
SHEET: G of 1

CONFIDENTIAL/PROPRIETARY

TYPICALS

DIRECTIONAL BORE TIE-IN DETAIL

NOT TO SCALE

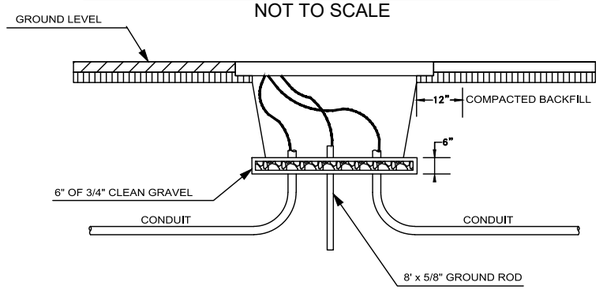


TIE-IN STATION

- BORE FROM EACH DIRECTION IS RUN AT DESIGN DEPTH TO 2 FEET PAST THE INTENDED TIE-IN. THEN TURNED UP TO DAYLIGHT.
- THE TIE-IN POINT IS EXCAVATED. THE CONDUITS CUT OFF WHERE THEY CROSS EACH OTHER AT DESIGN DEPTH, AND A COUPLER IS INSTALLED TO CONNECT THE TWO CONDUITS AT THE DESIGN DEPTH.
- ALL EXCAVATIONS OR TRENCHES 4 FEET OR GREATER IN DEPTH SHALL BE APPROPRIATELY BENCHED, SHORED, OR SLOPED IN OSHA'S EXCAVATION STANDARD, 29 CFR 1926.650, .651, AND .652

PULL BOX HANDHOLE

NOT TO SCALE



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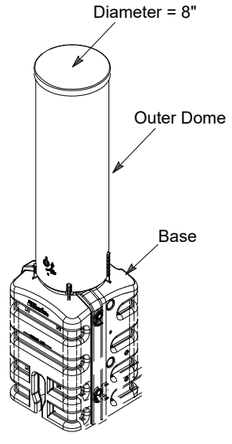
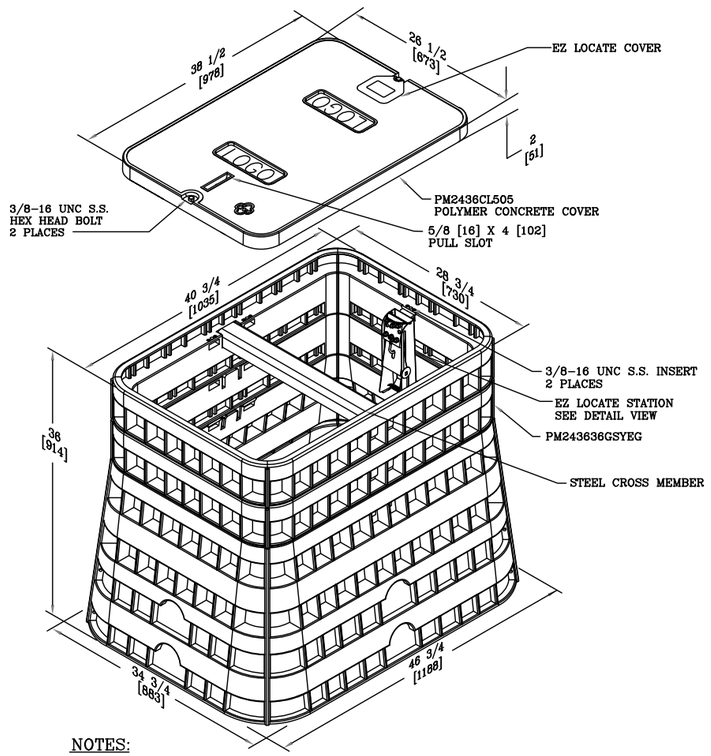
BDO204-EG

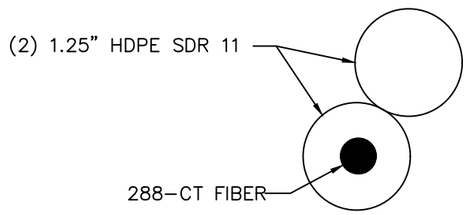




NOTES:

1. BOX MATERIAL TO BE HDPE PLASTIC, COVER MATERIAL TO BE POLYMER CONCRETE.
2. COLOR TO BE GREY.
3. THIS ASSEMBLY HAS A LOAD RATING OF 20,000 LBS. [88,960 N].

PIPE DETAIL



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SHEET: H of 1

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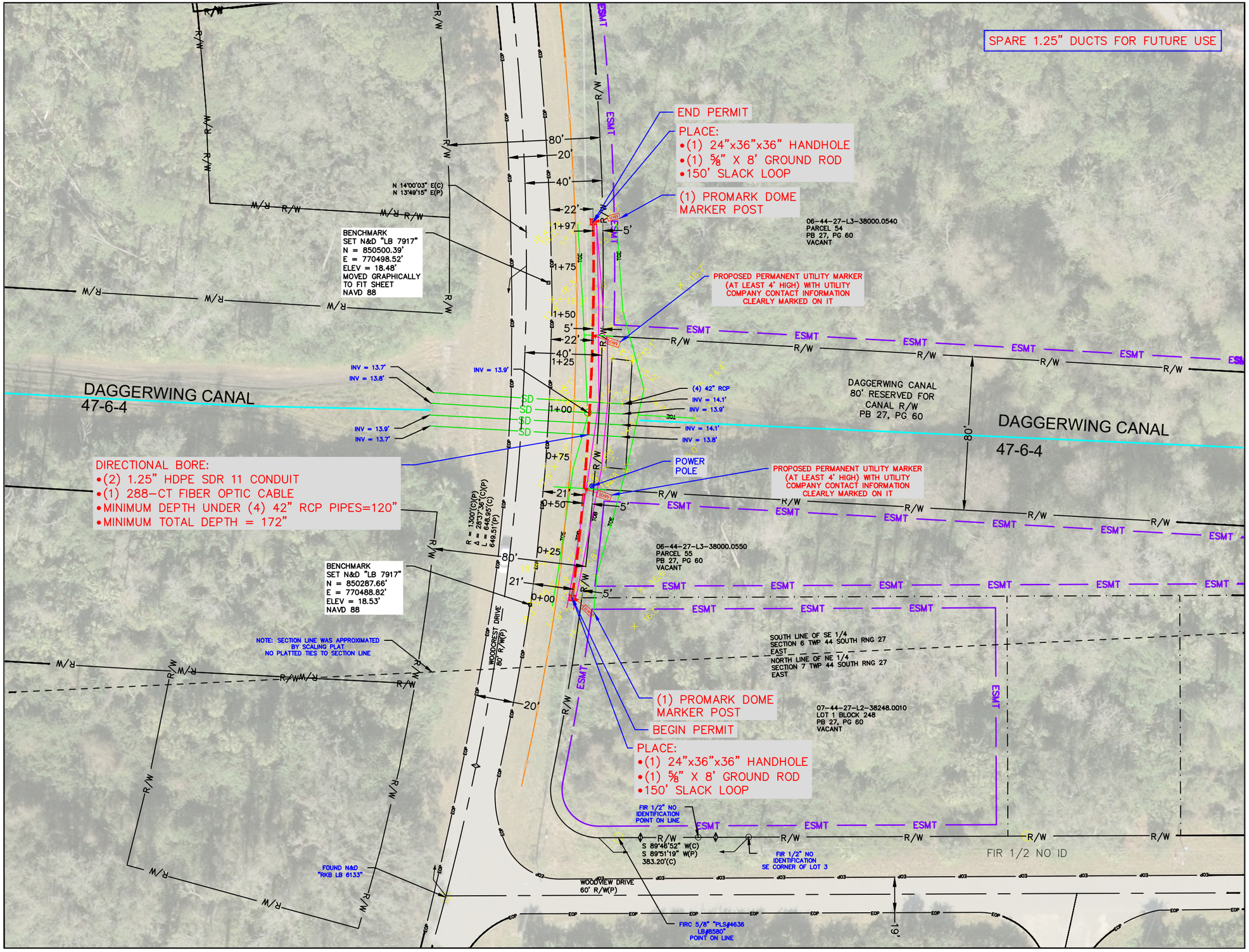

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0 10' 20' 30' 40' 50'
SCALE: 1"=50'

N

811 Know what's below Call before you dig.

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PROJECT SHEET

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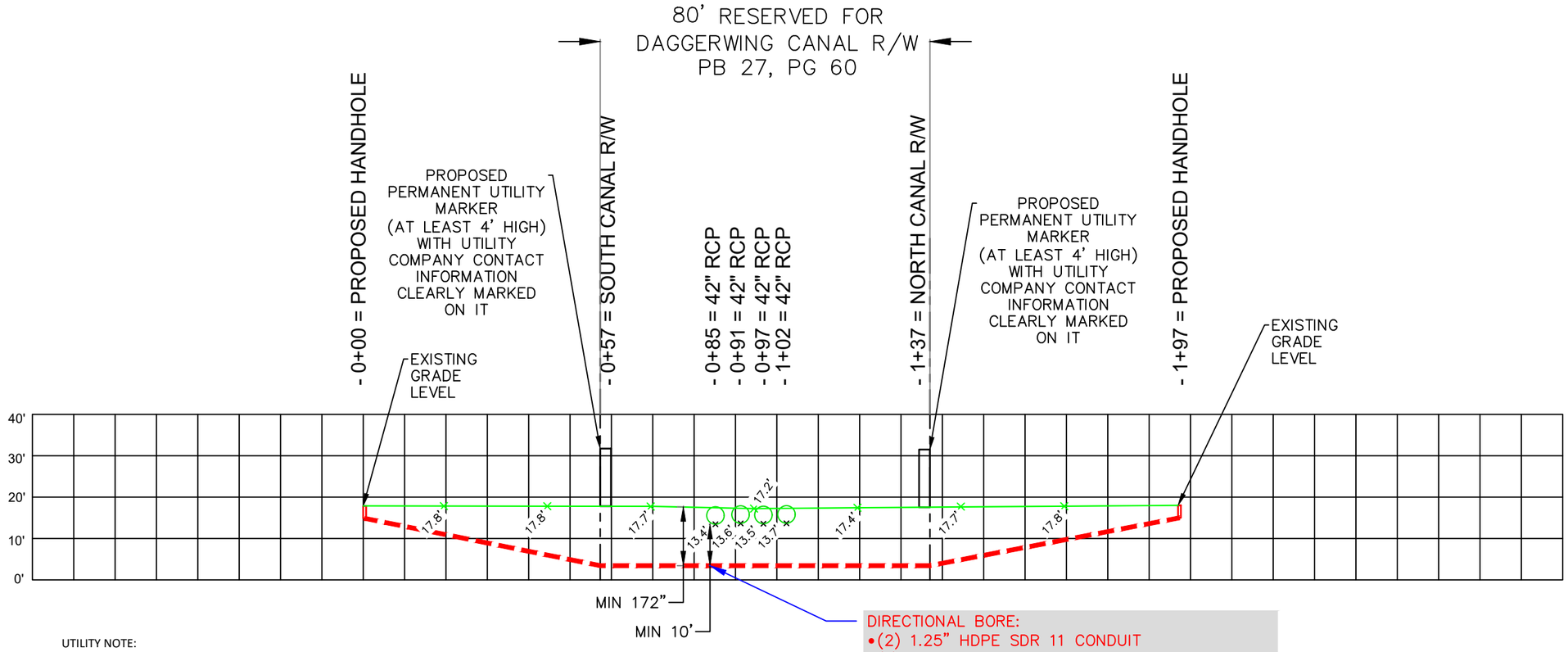
DRAWING NAME:	U38577 - DAGGERWING CANAL - 628 WOODCREST DR-LA-MSID-1
SHEET:	1 of 1

CONFIDENTIAL/PROPRIETARY

SUB-GRADE VERTICAL PROFILE VIEW
WOODCREST DR
FACING WEST



UTILITY NOTE:

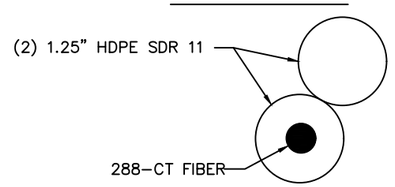
EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND BASED ON AVAILABLE RECORDS, VERBAL INFORMATION AND/OR PHYSICAL FEATURES. PRIOR TO CONSTRUCTION (AT LEAST 72 HOURS OR THE MORE RESTRICTIVE MINIMUM NOTIFICATION PERIOD), THE CONTRACTOR SHALL CONTACT SUNSHINE 811 TO ALLOW MARKING OF EXISTING BURIED UTILITIES WITHIN THE SCOPE OF THE PROPOSED WORKZONE.

NOTE:

BORE MUST BE 10' BELOW THE LOWEST PIPE INVERT OR THE CANAL BOTTOM, WHICHEVER IS LOWEST, FOR THE ENTIRE 80' WIDE CANAL RIGHT OF WAY.

ALL CANAL RIGHT OF WAY THAT IS DISTURBED MUST BE RESTORED WITH SOD AND MAINTAINED UNTIL WELL ESTABLISHED. NO SEEDING WILL BE ALLOWED.

PIPE DETAIL



NOTE:

BORE TO MAINTAIN A MINIMUM DEPTH OF 48" BELOW GRADE AND A MINIMUM DEPTH OF 48" BELOW TOP OF ROADWAY. A MINIMUM OF 30" SEPARATION SHALL BE MAINTAINED FROM ALL EXISTING UTILITIES, ITS/ATMS, AND STORM DRAIN SYSTEMS UNLESS SUPERVISED. NO BACK REAMER REQUIRED DUE TO SIZE OF 4" BIT. SOFT DIGS &/OR POTHOLING MAY BE REQUIRED BY CONTRACTOR TO IDENTIFY EXISTING UTILITY DEPTHS.

lumos

TEP

5906 BRECKENRIDGE PKWY, SUITE A
TAMPA, FL 33610

TEP IS A FAMILY OF COMPANIES LICENSED TO PROVIDE DIFFERENT SERVICES IN DIFFERENT JURISDICTIONS. DEPENDING ON THE JURISDICTION, PROFESSIONAL ENGINEERING AND LAND SURVEYING SERVICES ARE PROVIDED BY TEP OPCO LLC, A DELAWARE LIMITED LIABILITY COMPANY, TEP ENGINEERING, PLLC, A NORTH CAROLINA PROFESSIONAL LIMITED LIABILITY COMPANY, OR M&H ENGINEERING, PLLC, A NEW YORK PROFESSIONAL LIMITED LIABILITY COMPANY. GENERAL CONTRACTOR SERVICES ARE PROVIDED BY TEPDB OPCO LLC, A DELAWARE LIMITED LIABILITY COMPANY. WE ACQUIRE THE REQUISITE LICENSES IN EACH STATE. ADDITIONAL INFORMATION CAN BE OBTAINED FROM THE COMPANY. THESE DRAWINGS ARE INTENDED TO DEPICT FIBER OPTIC CABLES, CONDUITS, AND RELATED INFRASTRUCTURE WITHIN THE PUBLIC RIGHT-OF-WAY (R/W) OR AREAS WITH VALID, RECORDED EASEMENTS OR LEASES, HOWEVER R/W LOCATIONS ARE BASED SOLELY ON GEOGRAPHIC INFORMATION SYSTEMS (GIS) DATA FROM THE LOCAL JURISDICTION. SURVEYS TO VERIFY R/W OR PROPERTY BOUNDARIES WERE NOT PERFORMED. WHERE INSTALLATION ROUTES EXTEND BEYOND THE R/W, THE UTILITY OWNER/OPERATOR IS SOLELY RESPONSIBLE FOR SECURING AND PROVIDING ALL NECESSARY EASEMENTS, LEASES, OR PROPERTY RIGHTS PRIOR TO CONSTRUCTION. CONTRACTORS SHALL RELY ON THE UTILITY OWNER/OPERATOR'S DOCUMENTATION AND ARE RESPONSIBLE FOR ENSURING THAT CONSTRUCTION OCCURS ONLY WITHIN AUTHORIZED AREAS. TEP, THE ENGINEER, DESIGNER, AND CREATOR OF THESE DRAWINGS ASSUME NO RESPONSIBILITY OR LIABILITY FOR UNAUTHORIZED PLACEMENT OF UTILITIES OUTSIDE THE PUBLIC R/W OR ON PRIVATE PROPERTY WITHOUT PROPER LEGAL AUTHORIZATION. ALL INSTALLATIONS MUST COMPLY WITH APPLICABLE LAWS AND REGULATIONS.

0 10' 20' 30'
SCALE: 1"=30'

N

811 Know what's below Call before you dig.

REV	DESCRIPTION	INITIALS	DATE
0	ORIGINAL	DC	05/14/2026

TEP OPCO, LLC FL COA# 31011

JOSHUA H. CARDEN LICENSE No 83511 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 14th, 2026

This item has been digitally signed and sealed by JOSHUA H. CARDEN on the date adjacent to the seal.

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

SHEET TITLE:
PROJECT SHEET

PROJECT MANAGER:	SHAINE HERRICK
PROJECT ENGINEER:	DARIA COSTIN
PROJECT NUMBER:	U38577
DESCRIPTION:	628 WOODCREST DR
DRAWING NAME:	U38577 - DAGGERWING CANAL - 628 WOODCREST DR-LA-MSID-1
SHEET:	1A of 1

CONFIDENTIAL/PROPRIETARY

STREET LEVEL VIEW
STA 0+50
FACING NORTH



lumos

TEP

5906 BRECKENRIDGE PKWY, SUITE A
TAMPA, FL 33610

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SCALE = N.T.S.

N

811 Know what's below Call before you dig.

REV	DESCRIPTION	INITIALS	DATE
0	ORIGINAL	DC	05/14/2026

TEP OPCO, LLC — FL COA# 31011

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DRAWING NAME:	U38577 - DAGGERWING CANAL - 628 WOODCREST DR-LA-MSID-1

SHEET:
I1 of 1

CONFIDENTIAL/PROPRIETARY

STREET LEVEL VIEW
STA 1+50
FACING SOUTH



lumos

TEP

5906 BRECKENRIDGE PKWY, SUITE A
TAMPA, FL 33610

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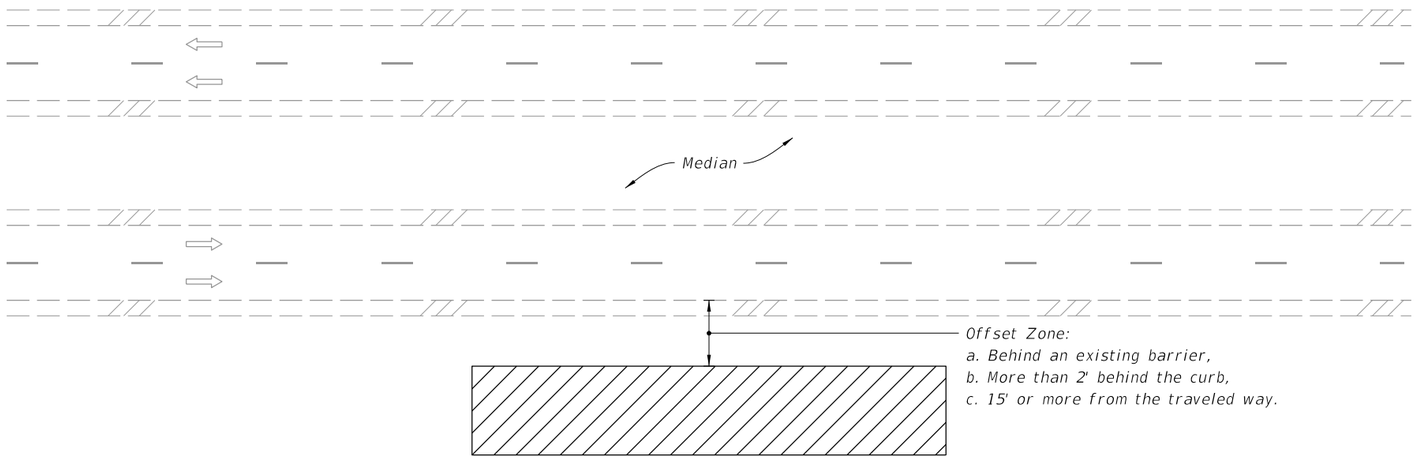
SHEET:	I2 of 1

CONFIDENTIAL/PROPRIETARY



MULTILANE ROADWAY SHOWN, TWO-LANE ROADWAY SIMILAR

NOTES:

1. This Index applies to Two-Lane, Two-Way and Multilane Roadways, including Medians of divided roadways, with work beyond the shoulder.

2. Use Index 102-602 when the work operation (excluding establishing and terminating the work area) requires that two or more work vehicles cross the Offset Zone in any one hour period.

3. Use Index 102-660 when Work Area encroaches a Sidewalk.

SYMBOLS:

Work Area

Lane Identification and Direction of Traffic

9/10/2024 10:45:01 AM

LAST REVISION	REVISION	DESCRIPTION:			INDEX	SHEET
11/01/20			FY 2025-26 STANDARD PLANS	TWO-LANE AND MULTILANE ROADWAY, WORK BEYOND THE SHOULDER	102-601	1 of 1

NOTE:

1. This Index applies to Two-Lane, Two-Way and Multilane Roadways, including Medians of divided roadways, with work on the shoulder.

2. L = Taper Length
   X = Work Zone Sign Spacing
   B = Buffer Length
   See Index 102-600 for "L", "X", "B", and channelizing device spacing values.

3. Where work activities are between 2' and 15' from the edge of traveled way, the Engineer may omit signs and channelizing devices for work operations 60 minutes or less.

4. When four or more work vehicles enter the through traffic lanes in a one hour period (excluding establishing and terminating the work area), use a flagger or lane closure to accommodate work vehicle ingress and egress.

5. For work less than 2' from the traveled way and work zone speed is greater than 45 MPH, use a lane closure.

6. The "Speeding Fines Doubled When Workers Present" signs (M0T-13-06) and "End Road Work" Signs (G20-2) along with the associated work zone sign spacing distances may be omitted when the work operation is in place for 24 hours or less.

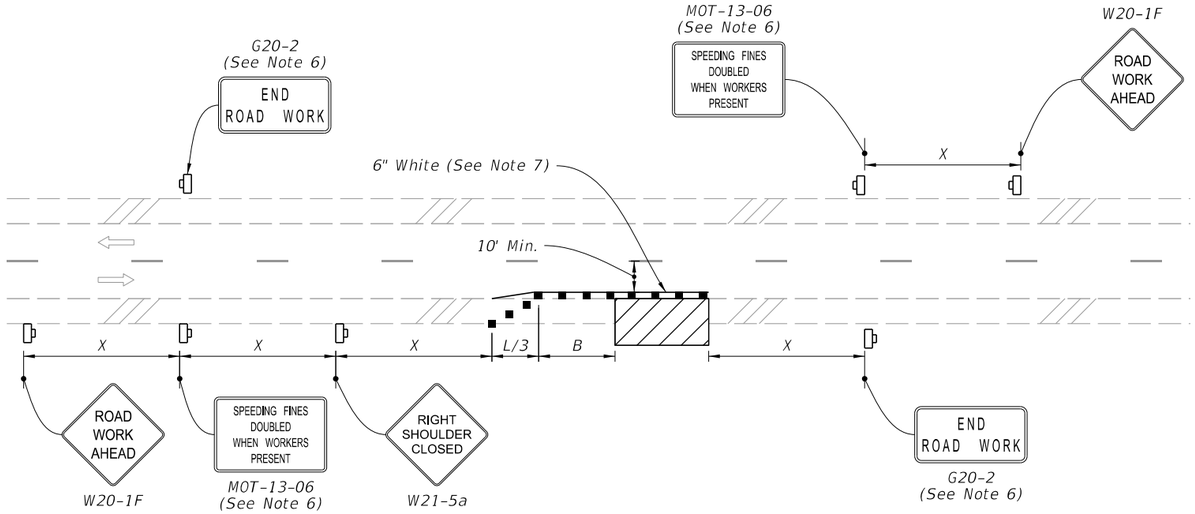
7. Temporary pavement markings may be omitted when the work operation is in place for 3 days or less.

8. Omit "Shoulder Closed" signs (W21-5a) along with associated work zone sign spacing distances for work on the median.

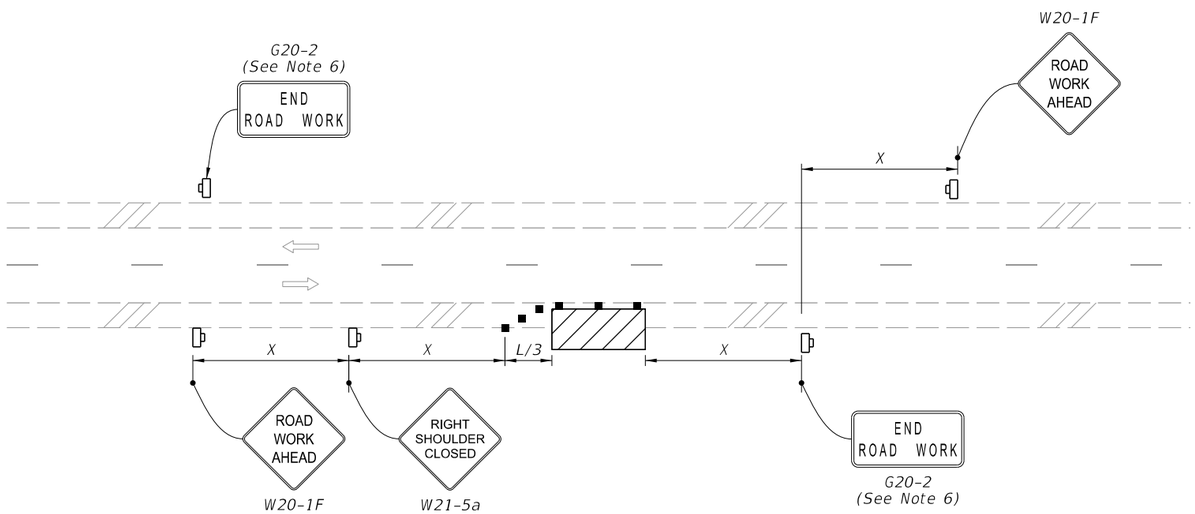
9. When there is no paved shoulder, the "Worker" sign (W21-1) may be used instead of the "Shoulder Closed" sign (W21-5a).

SYMBOLS:

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Lane Identification and Direction of Traffic



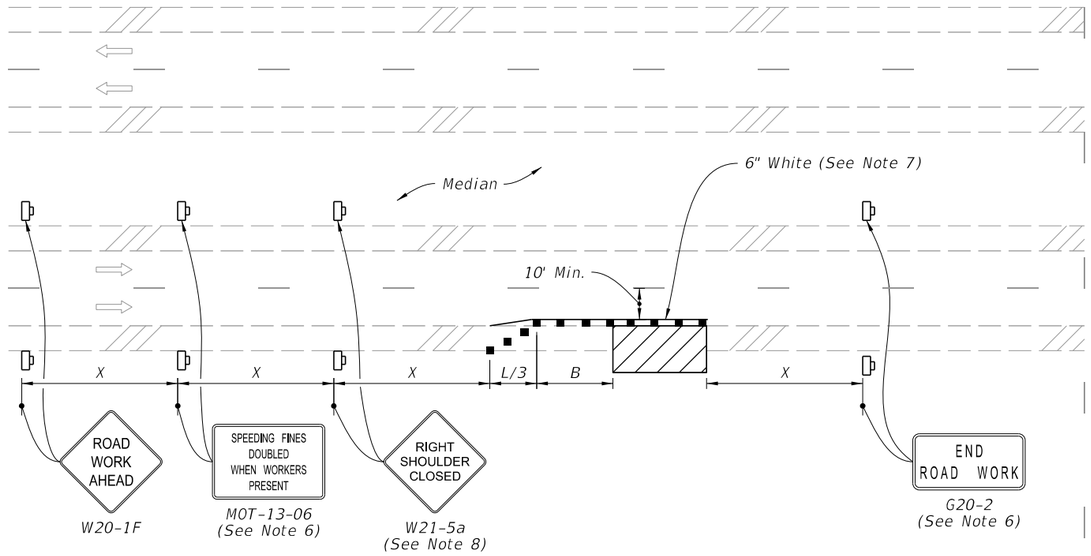
TWO-LANE ROADWAY
SHOULDER WORK LESS THAN 2' FROM THE TRAVELED WAY
WITH WORK ZONE SPEED OF 45 MPH OR LESS



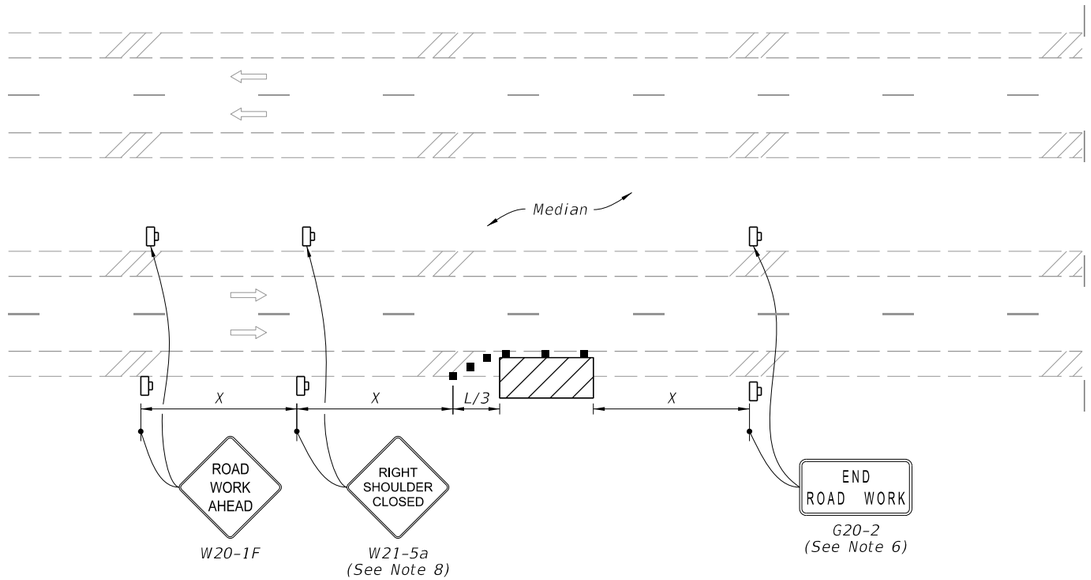
TWO-LANE ROADWAY
SHOULDER WORK BETWEEN 2' AND 15' FROM THE TRAVELED WAY

9/10/2024 10:45:37 AM

LAST REVISION	REVISION	DESCRIPTION:			INDEX	SHEET
11/01/21			FY 2025-26 STANDARD PLANS	TWO-LANE AND MULTILANE, WORK ON SHOULDER	102-602	1 of 2



MULTILANE ROADWAY
SHOULDER WORK LESS THAN 2' FROM THE TRAVELED WAY
WITH WORK ZONE SPEED OF 45 MPH OR LESS



MULTILANE ROADWAY
SHOULDER WORK BETWEEN 2' AND 15' FROM THE TRAVELED WAY

SYMBOLS:

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Lane Identification and Direction of Traffic

9/10/2024 10:45:44 AM

LAST REVISION	REVISION	DESCRIPTION:				
11/01/20			FY 2025-26 STANDARD PLANS	TWO-LANE AND MULTILANE, WORK ON SHOULDER	INDEX 102-602	SHEET 2 of 2

NOTES:

1. Cover or deactivate pedestrian traffic signal display(s) controlling closed crosswalks.

2. Place pedestrian LCDs across the full width of the closed sidewalk.

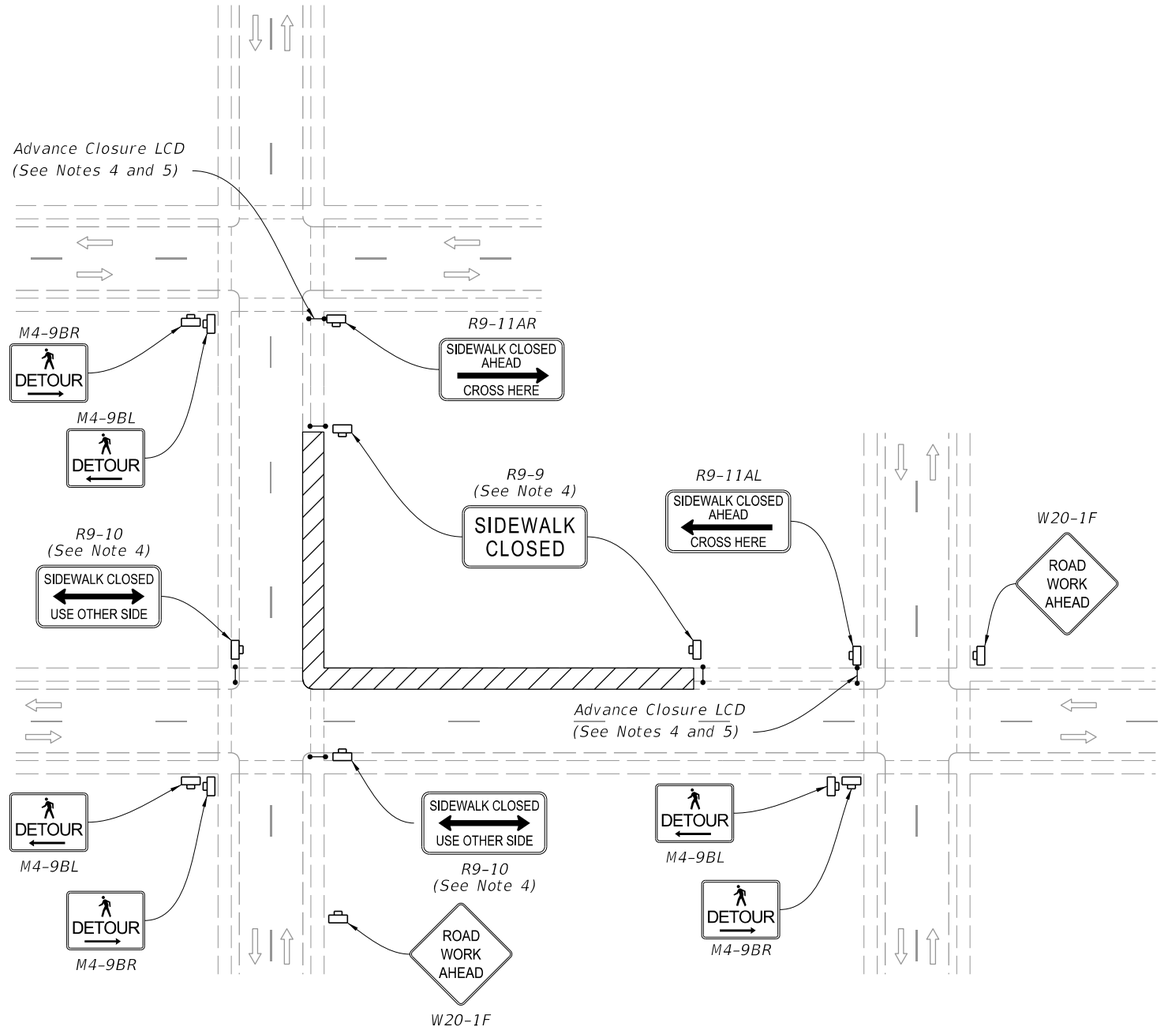
3. For post mounted signs located near or adjacent to a sidewalk, maintain a minimum 7' clearance from the bottom of the sign panel to the surface of the sidewalk.

4. "Sidewalk Closed" signs (R9-XX) may be mounted on pedestrian LCDs in accordance with the manufacturer's instructions.

5. Omit the Advance Closure LCD if it blocks access to other pedestrian facilities (e,g,, transit stops, residences, or business entrances).

SYMBOLS:

- Work Area
- Work Zone Sign
- Pedestrian Longitudinal Channelizing Device (LCD)
- Lane Identification and Direction of Traffic



PEDESTRIAN DETOUR

9/10/2024 11:11:04 AM

LAST REVISION	REVISION	DESCRIPTION:				
11/01/20			FY 2025-26 STANDARD PLANS	SIDEWALK CLOSURE	INDEX 102-660	SHEET 1 of 2

NOTES:

1. L = Taper Length
   B = Buffer Length
   X = Work Zone Sign Distance
   See Index 102-600 for "L", "B", "X", channelizing device spacing values.

2. Provide a 5' wide temporary pedestrian way with a maximum cross-slope of 0.02, except where space restrictions warrant a minimum width of 4'. Provide a 5' x 5' passing space for temporary pedestrian ways less than 5' in width at intervals not to exceed 200'.

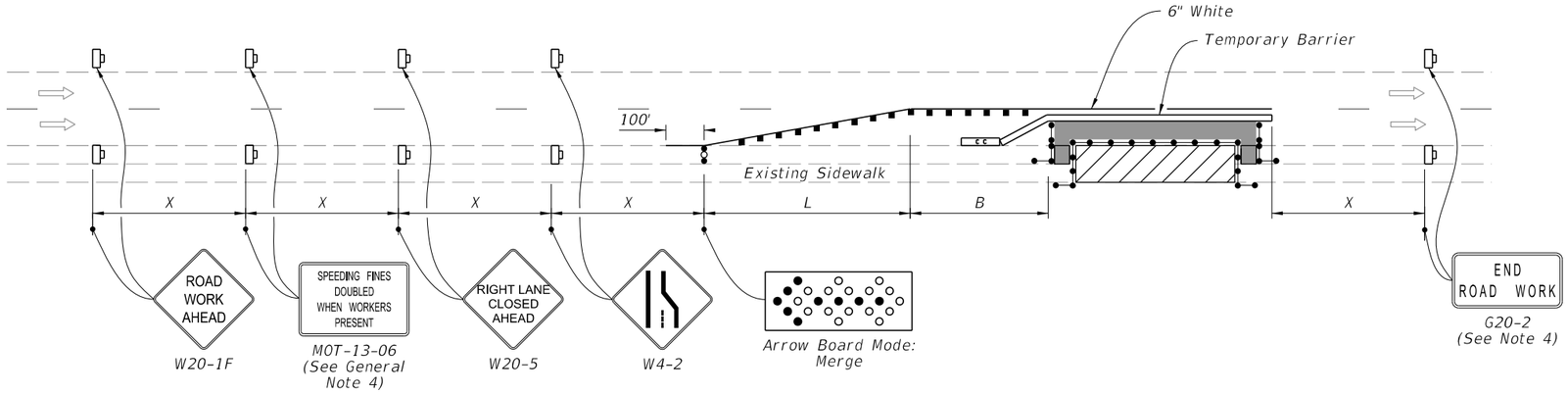
3. When temporary pedestrian ways require curb ramps, meet the requirements of Index 522-002. Detectable warnings are not required for curb ramps diverting pedestrian traffic into a closed lane.

4. The "Speeding Fines Doubled When Workers Present" signs (MOT-13-06) and "End Road Work" signs (G20-2), along with associated work zone sign distances, may be omitted when the work operation will be in place for 24 hours or less.

5. Pedestrian Diversion Option 2 may only be used when called for in the Plans or as approved by an Engineer.

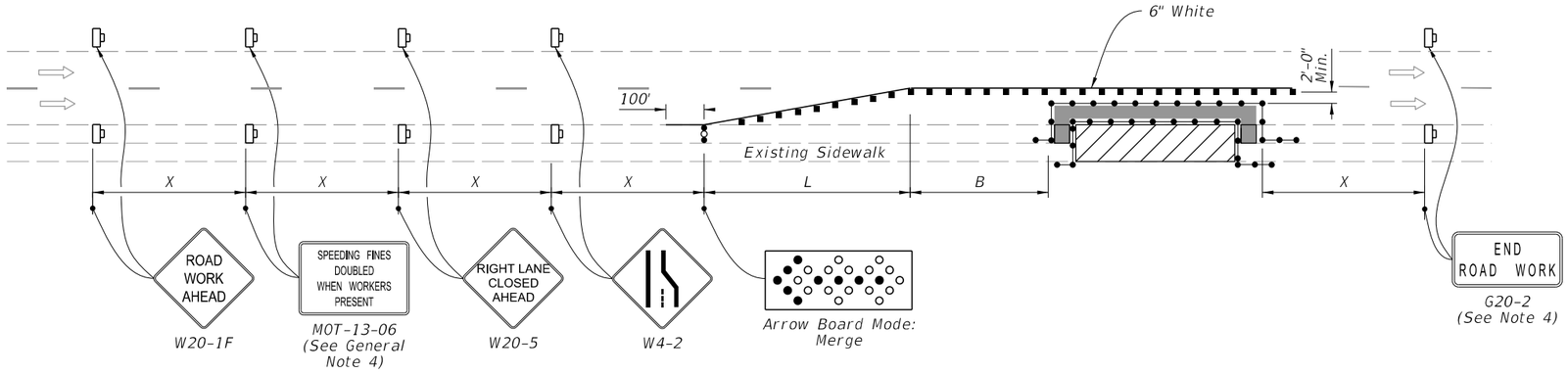
SYMBOLS:

- Work Area
- Temporary Pedestrian Way
- Channelizing Device (See Index 102-600)
- Pedestrian Longitudinal Channelizing Device (LCD)
- Work Zone Sign
- Arrow Board
- Crash Cushion
- Lane Identification and Direction of Traffic



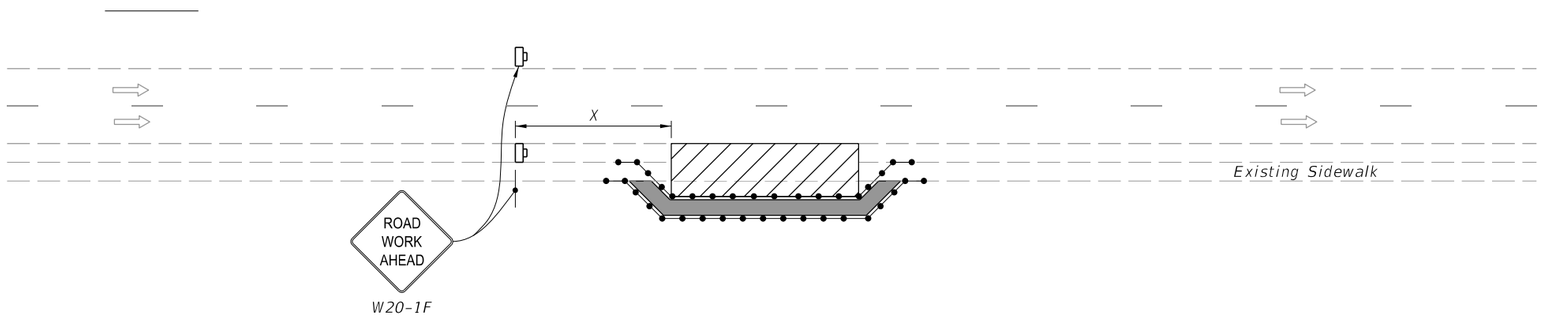
PEDESTRIAN DIVERSION - OPTION 1

(Temporary Barrier Shown, Low Profile Barrier Similar)



PEDESTRIAN DIVERSION - OPTION 2

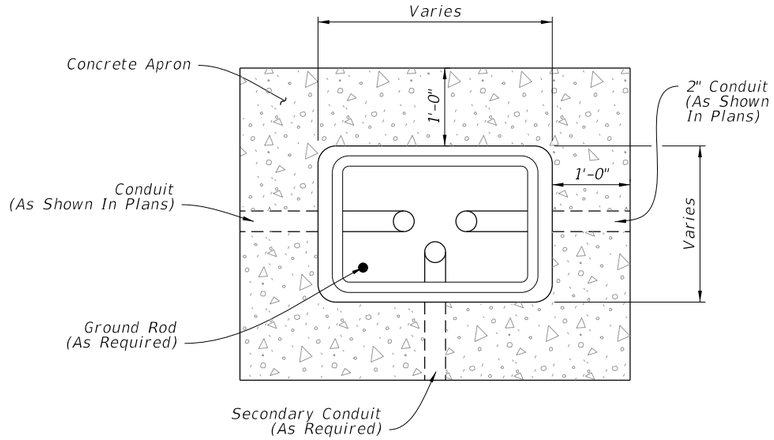
(Work Zone Speed 45 mph or Less)



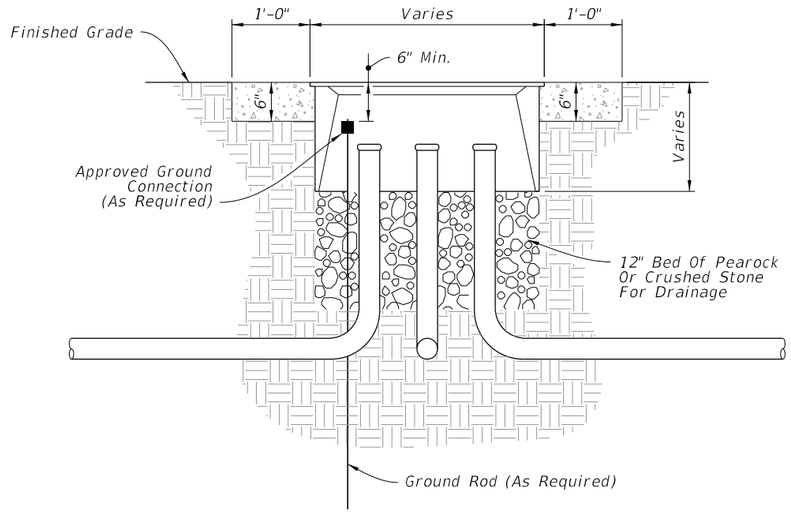
PEDESTRIAN SPECIAL DETOUR

9/10/2024 11:11:11 AM

LAST REVISION	REVISION	DESCRIPTION:			INDEX	SHEET
11/01/23			FY 2025-26 STANDARD PLANS	SIDEWALK CLOSURE	102-660	2 of 2

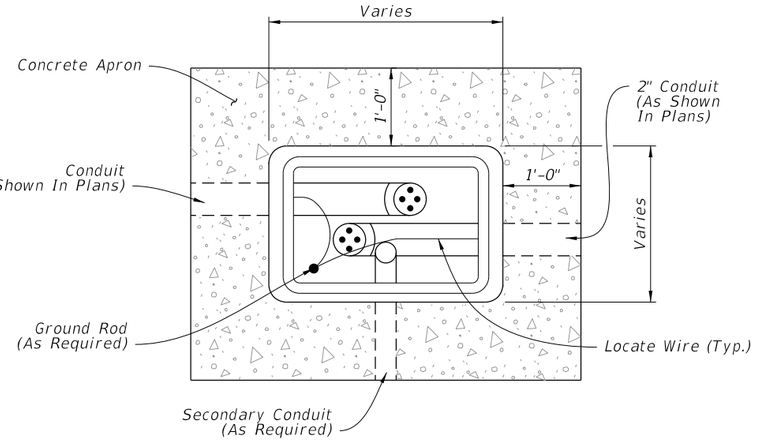


PLAN

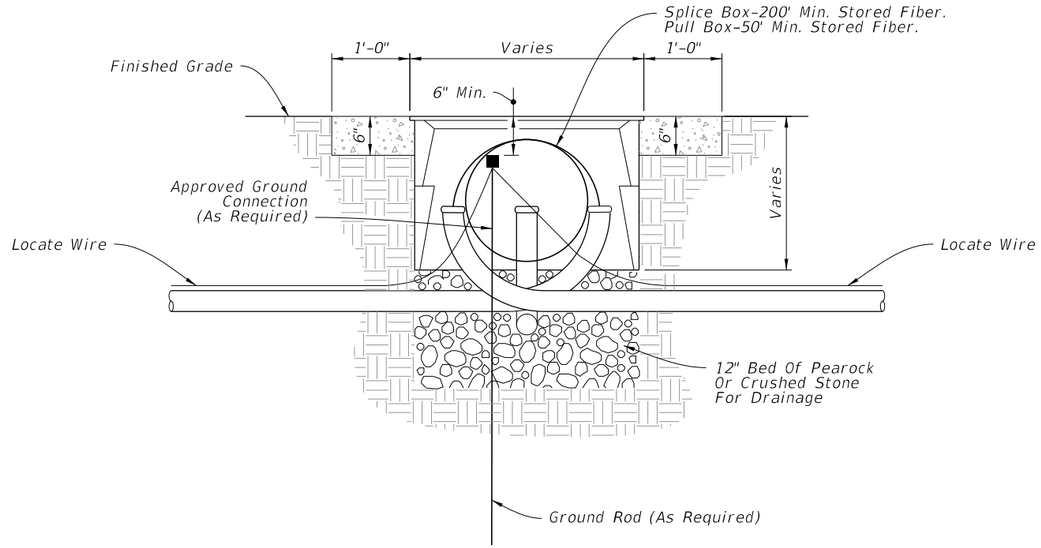


ELEVATION

PULL BOX



PLAN



ELEVATION

FIBER OPTIC BOX

NOTES:

1. Provide fiber optic splice boxes with cable hanger racks designed to support cables and splice enclosures.
2. Install a 1'-0" wide (Min.) concrete apron around all boxes using Class NS concrete. Slope the apron away from the box.
3. Where multiple pull boxes are placed side by side, maintain at least 8" between the pull boxes.
4. Rectangular boxes shown, others similar.

9/10/2024 2:16:11 PM

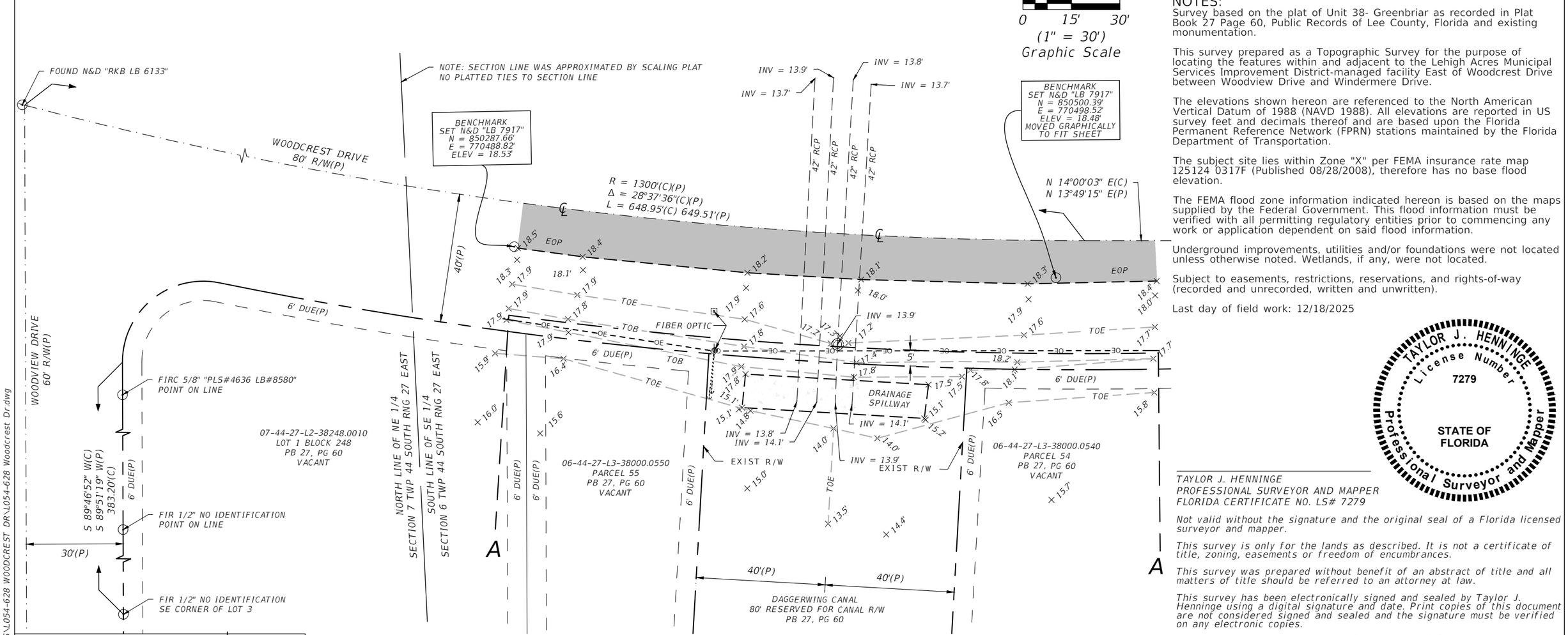
LAST REVISION	REVISION	DESCRIPTION:	FY 2025-26 STANDARD PLANS	PULL AND SPLICE BOXES	INDEX	SHEET
11/01/18					635-001	1 of 1

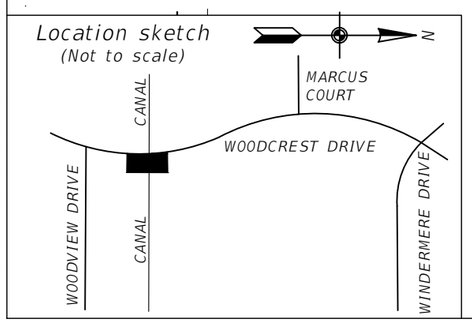
Topographic Survey of a Subject Project Site

lying within

Section 6, Township 44 South, Range 27 East

Lehigh Acres, Lee County, Florida





NOTES:

Survey based on the plat of Unit 38- Greenbriar as recorded in Plat Book 27 Page 60, Public Records of Lee County, Florida and existing monumentation.

This survey prepared as a Topographic Survey for the purpose of locating the features within and adjacent to the Lehigh Acres Municipal Services Improvement District-managed facility East of Woodcrest Drive between Woodview Drive and Windermere Drive.

The elevations shown hereon are referenced to the North American Vertical Datum of 1988 (NAVD 1988). All elevations are reported in US survey feet and decimals thereof and are based upon the Florida Permanent Reference Network (FPRN) stations maintained by the Florida Department of Transportation.

The subject site lies within Zone "X" per FEMA insurance rate map 125124 0317F (Published 08/28/2008), therefore has no base flood elevation.

The FEMA flood zone information indicated hereon is based on the maps supplied by the Federal Government. This flood information must be verified with all permitting regulatory entities prior to commencing any work or application dependent on said flood information.

Underground improvements, utilities and/or foundations were not located unless otherwise noted. Wetlands, if any, were not located.

Subject to easements, restrictions, reservations, and rights-of-way (recorded and unrecorded, written and unwritten).

Last day of field work: 12/18/2025

LEGEND:

(P)	= PER PLAT	L	= ARC LENGTH
(C)	= CALCULATED	N&D	= NAIL AND DISK
CB	= CATCH BASIN	NAVD 88	= NORTH AMERICAN VERTICAL DATUM 1988
Δ	= DELTA ANGLE	OR	= OFFICIAL RECORDS BOOK
℄	= CENTER LINE	PB	= PLAT BOOK
CONC	= CONCRETE	PG	= PAGE
CMP	= CORRUGATED METAL PIPE	R/W	= RIGHT OF WAY
CPP	= CORRUGATED PLASTIC PIPE	RCP	= REINFORCED CONCRETE PIPE
DUE	= DRAINAGE AND UTILITY EASEMENT	RNG	= RANGE
ELEV	= ELEVATION	S/W	= SIDEWALK
EOP	= EDGE OF PAVEMENT	SEC	= SECTION
EXIST	= EXISTING	TOB	= TOP OF BANK
FIRC	= FOUND IRON ROD AND CAP	TOE	= TOE OF SLOPE
INST#	= INSTRUMENT NUMBER	TWP	= TOWNSHIP
INV	= INVERT ELEVATION	(TYP)	= TYPICAL

⊙	= FOUND MONUMENT
OE	= OVERHEAD UTILITY LINE
+20.0'	= SPOT ELEVATION
	= TELEPHONE PEDESTAL
	= SUBSURFACE UTILITY MARKER
	= MANHOLE STORM WATER
	= GUY ANCHOR
	= ELECTRICAL POLE

TAYLOR J. HENNINGE
License Number
7279
STATE OF FLORIDA
Professional Surveyor and Mapper

TAYLOR J. HENNINGE
PROFESSIONAL SURVEYOR AND MAPPER
FLORIDA CERTIFICATE NO. LS# 7279

Not valid without the signature and the original seal of a Florida licensed surveyor and mapper.

This survey is only for the lands as described. It is not a certificate of title, zoning, easements or freedom of encumbrances.

This survey was prepared without benefit of an abstract of title and all matters of title should be referred to an attorney at law.

This survey has been electronically signed and sealed by Taylor J. Henninge using a digital signature and date. Print copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Woodcrest Drive, Lehigh Acres

TOPOGRAPHIC SURVEY-PLAN VIEW

McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name:	Field book/page:	Project No.:
L054-628 Woodcrest Dr.dwg	106981-1/37	106980001-L054

Survey date:	Drawn by:	Checked by:	Sheet No.:
12/18/2025	KB	TJH	01 OF 02

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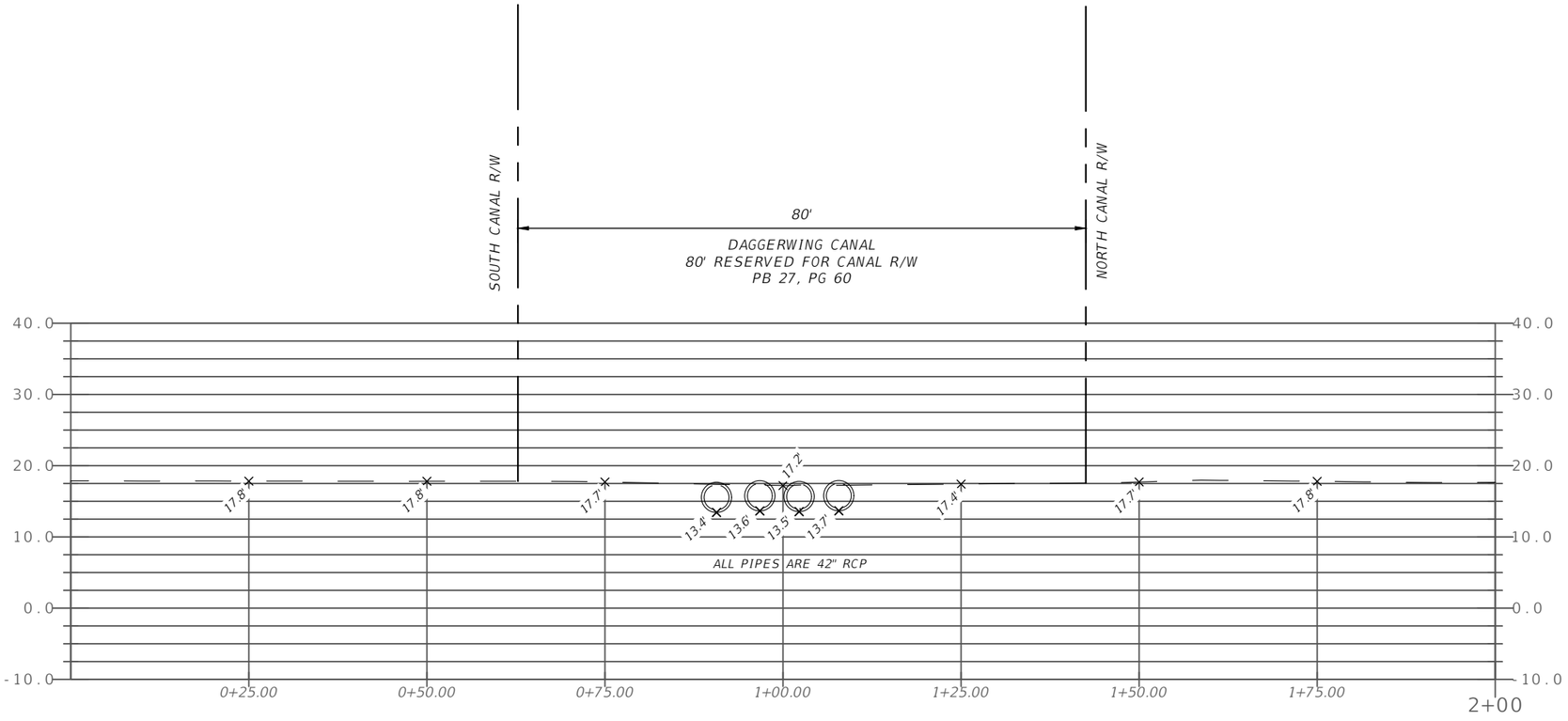
Topographic Survey of a
Subject Project Site
Section 6, Township 44 South, Range 27 East
Lehigh Acres, Lee County, Florida



A-A Profile View
1" = 20' HORIZONTAL
1" = 20' VERTICAL

SEE SHEET 01 FOR LEGEND

Woodcrest Drive, Lehigh Acres

TOPOGRAPHIC SURVEY-PROFILE VIEW

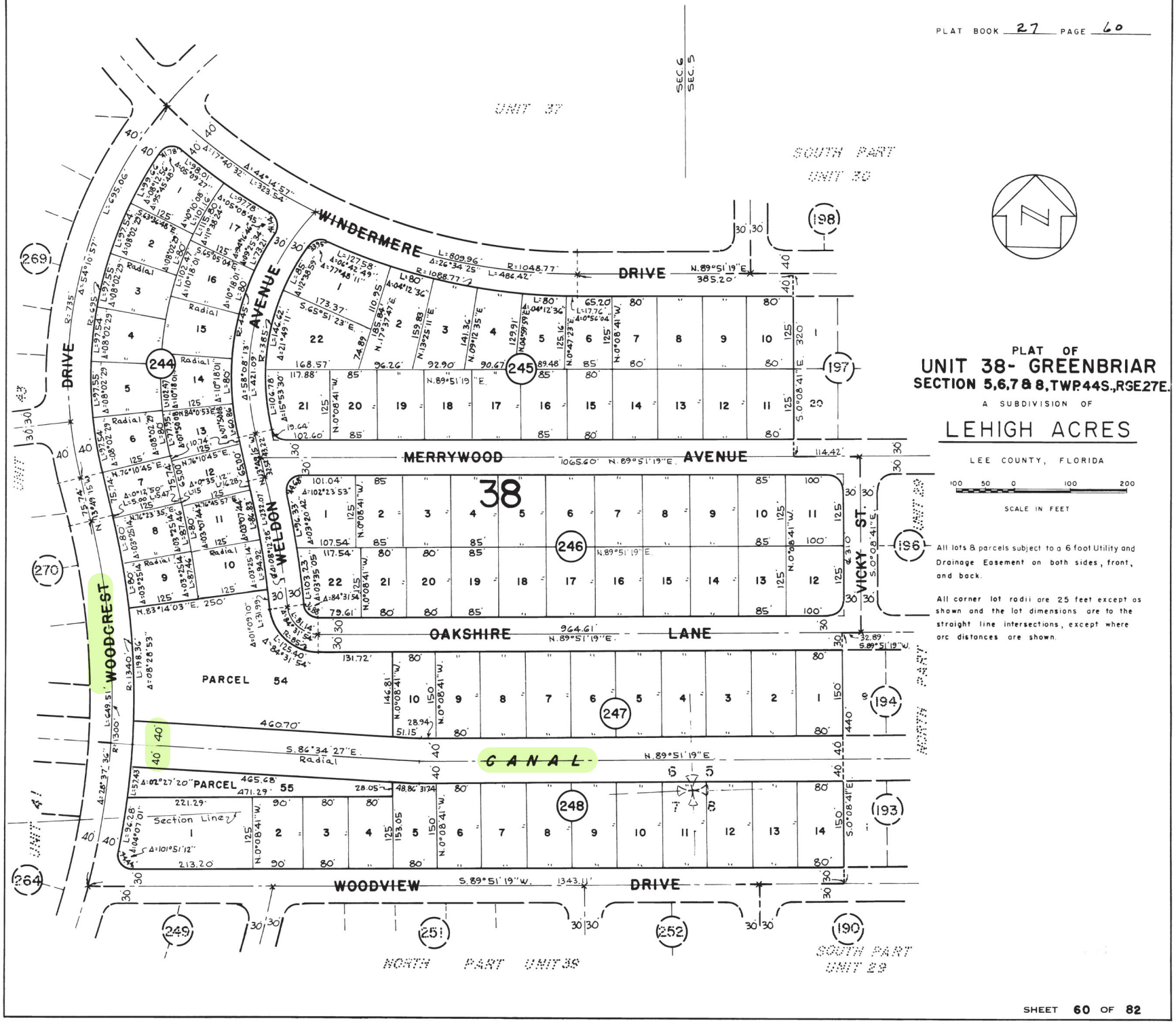
McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name:	Field book/page:	Project No.:
L054-628 Woodcrest Dr.dwg	106981-1/37	106980001-L054

Survey date:	Drawn by:	Checked by:	Sheet No.:
12/18/2025	KB	TJH	02 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L054-628 WOODCREST DR\L054-628 Woodcrest Dr.dwg

PLAT BOOK 27 PAGE 60



PLAT OF

UNIT 38- GREENBRIAR

SECTION 5,6,7 & 8, TWP. 44S., RGE 27E.

A SUBDIVISION OF

LEHIGH ACRES

LEE COUNTY, FLORIDA

100 50 0 100 200

SCALE IN FEET

All lots & parcels subject to a 6 foot Utility and Drainage Easement on both sides, front, and back.

All corner lot radii are 25 feet except as shown and the lot dimensions are to the straight line intersections, except where arc distances are shown.

PART IV #26-106

Recommended Action

Engineering Review:

By: _____6/17/2026 **Approved _X_ Denied __**

District Field Review:

By: _____ Approved ___ Denied ___

District Manager: _____ Date: _____

Comments:

The referenced permit application submitted by Lumos Fiber of Florida, LLC for a subaqueous crossing under Daggerwing Canal (47-6-4) at 628 Woodcrest Dr. in Lehigh Acres, has been reviewed and is recommended for approval with the following stipulations:

1. On sheet 8 of the plans, the culvert crossing detail specifies 24" minimum offset from culvert, if the detail is depicting a canal crossing, the offset should be 120" or 10'. If not, please include a note to clarify that the details do not apply to LA-MSID canal crossing.

2. Permanent above-ground cable markers must be placed at the canal right-of-way (R/W) line on each side of the crossing.

3. Any disturbed canal R/W must be restored with sod and maintained until fully established. Seeding will not be permitted.

4. Within 30 days of completing the improvements, provide LA-MSID with a copy of the survey record drawings indicating the location and elevation of utilities within the canal R/W.

5. The permittee will be responsible for any necessary repairs, alterations, or relocation of the utility if required for future maintenance or repairs of the canal.

6. Lee County DOT must review and approve any utility work proposed within the County Road R/W.

LEHIGH ACRES - MUNICIPAL SERVICES IMPROVEMENT DISTRICT
PERMIT

THIS PERMIT is granted this 20th day of July, 2026, by Lehigh Acres Municipal Services Improvement District (hereinafter referred to as "DISTRICT"), 601 East County Lane, Lehigh Acres, Florida 33936, to Lumos Fiber of Florida, LLC, 4100 Mendenhall Oaks Parkway, Suite 300, High Point, NC 27265, hereinafter referred to as the "Permittee") as a non-exclusive permit for a directional bore under Bald Eagle Canal (57-11-1), along the south side of Summa Blvd., between Western Ave. S. & Genoa Ave. S., in Lehigh Acres, FL.

W I T N E S S E T H:

1. In the event the DISTRICT is not the fee title owner of the real property (the "Property") to which this Permit is applicable, the Permittee agrees, prior to commencement, to obtain all necessary consents from the fee title owners of the Property.

2. This Permit does not constitute a waiver of the necessity by the Permittee to obtain such other necessary and appropriate permits required by other governmental bodies or agencies; therefore the Permittee, prior to commencement, is required to obtain any and all other applicable federal, state, and local permits required in connection with Permittee's use of the Property and agrees that at all times it will comply with the requirements of all federal, state and local laws, ordinances, rules and regulations applicable or pertaining to the use of the Property by the Permittee.

3. Permittee understands and agrees that the use of the Property pursuant to this Permit is subordinate to the rights and interests of the DISTRICT and to the extent applicable that of the fee title owner of the Property. Further, Permittee does hereby stipulate that the Permittee is not relying upon any representations whatsoever by the DISTRICT regarding the DISTRICT'S right, title, interest, or ownership as to the Property for which this Permit is applicable.

4. The Permittee, by accepting this permit, specifically agrees to allow authorized District Personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:
    a. Having access to and copying any records that must be kept under the conditions of the permit:
    b. Reviewing the facility, equipment, practices, or operations regulated or required under this permit; and
    c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or District rules.

5. The DISTRICT specifically reserves the right to maintain its facilities located over, under or upon the Property; to make improvements; add additional facilities; maintain, construct or alter its roads; maintain any facilities, devices, or improvements on the Property which aid in or are necessary to the DISTRICT'S operation; and the right to enter upon the Property at all times for such purposes. Permittee understands that in the exercise of such rights and interest, the DISTRICT may require Permittee, at no cost to DISTRICT, to relocate, alter, or remove the Permittee's facilities and equipment or other improvements made by Permittee pursuant to this Permit which interfere with or prevent the DISTRICT, in the DISTRICT'S opinion, from properly and faithfully constructing, improving and maintaining its facilities. If the Permittee should fail to relocate, alter, or remove the Permittee's facilities, equipment or other improvements made by the Permittee pursuant to this Permit within a reasonable time period following receipt of notice from the DISTRICT requesting same, then in that event the DISTRICT shall have the right to enter upon the lands and make such relocation, alterations or removal of the Permittee's facilities, equipment/or other improvements at no cost to DISTRICT.

6. Permittee agrees that it will not use the Property in any manner which interferes with the DISTRICT'S

use of the Property or causes a hazardous condition to exist.

7. The DISTRICT assumes no responsibility for the ownership, operation and/or maintenance of the Permittee's facilities as permitted herein.

8. The Permittee agrees to backfill any excavation it makes within the Property and to repair or replace (i) any below-grade authorized facilities and features located therein, including but not limited to: water, sewer, stormwater or irrigation facilities, structures or appurtenances and (ii) as to at or above-grade facilities and features, this requirement shall only be applicable to grasses and sod, sidewalks, and roadway improvements (the term roadway improvements shall include but not be limited to curbing, roadway base, sub grade and asphaltic or concrete surfaces) which are removed or damaged as a direct result of said excavation. Such repair or replacement shall substantially restore these features to their condition as it existed immediately prior to the event precipitating the excavation.

9. All below-grade Permittee installations, including water and sewer lines, whether sub aqueous or not, together with appurtenant facilities, shall be located underground and have a minimum ground cover of thirty inches (30") below original design profile grade, including District waterways and roadways.

10. All Permittee activity related to sub aqueous utility, water and/or sewer lines, including appurtenant facilities, shall be conducted in such fashion that the primary functional purpose of the canal or lake body facility, specifically flood control, within which the activity is taking place is not adversely affected. More specifically, sub aqueous construction shall conform to the criteria given in the Lehigh Acres Municipal Services Improvement District (Lehigh Acres – MSID) Administrative Policy and Procedures.

11. Permittee shall, at no expense to DISTRICT and within a reasonable time following notice, adjust the positions and elevations of its facilities as may be required in connection with future improvements to, or construction of, works of the DISTRICT.

12. Permittee does hereby indemnify and hold harmless the DISTRICT, its Board of Commissioners, officers, personnel, and it's Engineers against any claims, losses, damages (including consequential), expenses, or legal fees that might arise out or result from the implementation of the proposed project by the Permittee or that may be caused by a failure of DISTRICT facilities or property.

13. The Permittee shall be obligated at the time of submission of its Permit application, to provide a detail of any other existing improvements located over, under, upon or through the Property and the Permittee's accompanying plans and specifications shall clearly indicate how the Permittee will comply with required clearances between the requested permitted activity and existing improvements located over, under and upon the Property, including compliance with other permitted users duly adopted and published standards.

14. Permittee shall reimburse the DISTRICT for its legal, engineering and other expenses incurred as a result of the implementation of the proposed project.

15. If Permittee should violate any of the terms or conditions of the Permit and shall not correct or remedy same within ten (10) days of receiving written notice of said violation from the DISTRICT, then in that event, the DISTRICT may, at its option, revoke, cancel and terminate this Permit.

16. This Permit may not be assigned by the Permittee without the prior written approval of the DISTRICT.

17. Unless otherwise adjusted, modified or terminated as set forth hereinabove, including the Conditions attached hereto, this Permit shall continue in full force and effect so long as Permittee complies with the

terms of this Permit.

18. In any litigation, including breach, enforcement or interpretation arising out of this Permit, the prevailing party to this Permit shall be entitled to recover reasonable attorney's fees, costs and expenses related to said action from the non-prevailing party.

19. That attached hereto are Supplemental Conditions to this Permit which are incorporated herein and made a part hereof.

LEHIGH ACRES – MUNICIPAL SERVICES IMPROVEMENT DISTRICT

BY: _____

NAME TYPED: David E. Lindsay

TITLE: District Manager

SUPPLEMENTAL CONDITIONS TO PERMIT NO. 26-107

A. GENERAL CONDITIONS

1. Notification shall be given by the Permittee to the District Engineer, AIM Engineering, at 239-332-4569 forty-eight (48) hours prior to commencement of the permitted activity. The District Engineer shall establish points of construction, if applicable, which will require inspection by the District Engineer prior to construction of the permitted activity. When the Permittee considers the permitted activity complete, the Permittee shall notify the District Engineer and schedule an on-site final inspection which shall be held in the presence of a representative of the Permittee and the District Engineer.

2. The permitted activity shall be implemented, constructed and/or installed in full accordance with the approved plans and specifications within six (6) full calendar years from the date of permit approval. Deviations from the approved plans or specifications shall be coordinated with and approved by the District Engineer prior to implementation of any such deviation.

3. When working in a District road right-of-way, not more than one-half (½) of the road or street shall be closed and traffic shall be controlled so as to provide for the safety and minimum hindrance to the public. All traffic control operations shall conform to the most current issue of the Florida Department of Transportation publication "Manual on Traffic Controls and safe Practices for Street and Highway Construction, Maintenance and Utility Operations."

4. The District Engineer shall be the final authority as to the quality and quantity of the material and works required to satisfy the terms and conditions of this Permit as they relate to District improvements and facilities.

5. Upon completion of the permitted activity and after its final review and acceptance by the District Engineer THE PERMITTEE SHALL DELIVER TO THE DISTRICT OFFICE ONE COMPLETE SET OF THE FINAL "RECORD DRAWINGS." FAILURE TO PROVIDE THE FINAL RECORD DRAWINGS MAY RESULT IN THE REVOCATION, CANCELLATION AND TERMINATION OF THIS PERMIT.

6. The above Conditions shall be continuing obligations of the Permittee and shall be complied with in the event of any subsequent maintenance, repair, replacement or modification of the permitted improvement.

Stipulations:

1). Permit #26-107 is approved according to the plans submitted June 11th, 2026.

2). The proposed directional bore must maintain a minimum clearance of 10 feet below the bottom elevation of the canal for the entire 150' within the canal right of way.

3). Permanent utility markers, (at least 4' high) with the utility companies contact information clearly labeled on it, must be installed at each canal right of way line over top the proposed line.

4). All guy wires, poles, pull boxes, etc. must be located outside of the canal right of way and not interfere with the District's canal maintenance activities.

5). All canal R/W that is disturbed must be restored with sod and maintained until well established (no seeding will be allowed).

6). Boring contractor is not allowed to pump water out of the LAMSID canals for their boring operations unless they apply for and receive a water use permit from LAMSID.

7). The Permittee will be responsible for any repairs, alterations, or relocation of the utility if required for repairs or maintenance of the canal in the future.

8). Provide LAMSID with a copy of your record drawings and a copy of your bore depth logs showing where your utilities are located within the canal R/W and at what elevation they are located, within 30 days following completion of the improvements.

9). Lee County DOT must review and approve the utility work that is outside of the canal right of way along Summa Blvd.

06-18-26

26-107

APPLICATION FOR A PERMIT

*Note: The review of permit applications will be conducted per the Lehigh Acres Municipal Services Improvement District's Administrative Policy and Procedures

AGENT NAME: WILLIAM KIEFER **PHONE #:** (515) 306 - 3403

PROJECT NAME: LE1_007_FDH_009 352 GENOA SUMMA BLVD - BALD EAGLE CANAL 57-11-1

TOTAL ACREAGE: N/A

Property Address (STRAP associated with this address will be used as the primary STRAP for this project): 352 GENOA AVE S					
Mailing Address:	N/A				
City:	LEHIGH ACRES	**State:**	FLORIDA	**Zip:**	33974

STRAP NUMBERS (*attach additional sheet if necessary*)**:**

12-45-27-L1-05022-0140

Brief description of proposed project:

Application for: DIRECTIONAL BORE 2x1.25" HDPE SDR 11 CONDUIT 150' IN THE LAMSID ROW OF BALD EAGLE CANAL 57-11-1 ALONG SUMMA BLVD

RECEIVED
JUN 18 2026
LEHIGH ACRES
MUNICIPAL SERVICES
IMPROVEMENT DISTRICT

Is the project proposed to be developed in phases? ☐ Yes ☑ No

Estimated # of Phases:	1
***Permit Fee:**	$3000.00 **(to be verified by staff)**

750+(15*FT)

* See Administrative Policy and Procedures Sections 4.15 – 4.17 for current Permit Fee Amount.

PART II

OWNER/APPLICANT/ DEVELOPER INFORMATION

A.

Name of Applicant	LUMOS FIBER OF FLORIDA, LLC				
Mailing Address:	**Street:**	4100 MENDENHALL OAKS PKWY, SUITE 300			
City:	HIGH POINT	**State:**	NORTH CAROLINA	**Zip:**	27265
Phone No.	**Area Code:** 515	**Number:**	306 - 3403	**Ext.**	
Fax No.	**Area Code:**	**Number:**	-		
E-mail Address:	WILLIAM.KIEFER@LUMOSFIBER.COM				

B. Relationship of applicant to property*:

Owner* ☐ **Trustee*** ☐ **Option holder*** ☐ **Lessee*** ☐

Contract Purchaser* ☐ **Other (indicate)*** ☑ UTILITY

C.

Name of Developer:	MILENIUM DIRECTIONAL DRILLING, INC				
Mailing Address:	**Street:**	5395 COGSWELL DR			
WAYNE		**State:**	MI	**Zip:**	48184
	Area Code: (313)	**Number:**	326 - 2333	**Ext.**	
Fax No.	**Area Code:** ( )	**Number:**	-		
E-mail Address:	FELECAND@MILENIUMBORS.COM				

D.

Name of Authorized Agent(s):	CENTILLION SOLUTIONS						
Mailing Address:	Street:	6030 BETHELVIEW RD, SUITE 301					
City:	CUMMING	State:	GEORGIA		Zip:	30040	
Phone No.	Area Code:	(480)	Number:	442 - 0562	Ext.		
Fax No.	Area Code:	( )	Number:	-			
E-mail Address:	KYLE.PARKEY@CENTILLIONSOLUTIONS.COM						

E.

Name of Property owner:	N/A						
Mailing Address:	Street:						
City:		State:			Zip:		
Phone No.	Area Code:	( )	Number:	-	Ext.		
Fax No.	Area Code:	( )	Number:	-			
E-mail Address:							

*A disclosure of the name of all persons or entities having an ownership interest in the property is required (attached).

PART III

DISCLOSURE OF OWNERSHIP INTEREST FORM FORM:

PRIMARY STRAP NUMBER:

1. If the property is owned in the fee simple by an **INDIVIDUAL**, tenancy by the entirety, tenancy in common, or joint tenancy, list all parties with an ownership interest as well as the percentage of such interest.

Name and Address	Percentage of Ownership

2. If the property is owned by a **CORPORATION**, list the officers and stockholders and the percentage of stock owned by each.

Name, Address, Office	Percentage of Stock

3. If the property is in the name of a **TRUSTEE**, list the beneficiaries of the trust with percentages of interest.

Name and Address	Percentage of Interest

4. If the property is in the name of a **GENERAL PARTNERSHIP OR LIMITED PARTNERSHIP**, list the names of general and limited partners.

Name and Address	Percentage of Interest

5. If there is a **CONTACT FOR PURCHASE**, whether contingent on this application Or not, and whether a Corporation, Trustee, or Partnership, list the names of the contract purchasers below, including the officers, stockholders, beneficiaries, or partners.

Name and Address	Percentage of Interest

Date of Contract (mm/dd/yy): / /

6. If any contingency clause or contract terms involve additional parties, list all individuals or officers, if a corporation, partnership, or trust.

Name and Address	Percentage of Interest

For any changes of ownership of changes in contracts for purchase subsequent to the date of the application, but prior to the date of final certificate for compliance, a supplemental disclosure of interest must be filed.

The above is a full disclosure of all parties of interest in this application, to the best of my knowledge and belief.

William Kiefer
SIGNATURE OF APPLICANT

WILLIAM KIEFER
PRINTED OR TYPED NAME OF APPLICANT

STATE OF FLORIDA
COUNTY OF LEE

The foregoing instrument was acknowledged before me this 17th day of June (m), 2026 (y), by William Kiefer who is personally know to me or has produced _____ as identification.

Shandie N Bradshaw
SIGNATURE OF NOTARY PUBLIC

Shandie N Bradshaw
PRINTED NAME OF NOTARY PUBL

SHANDIE NICOLE BRADSHAW NOTARY PUBLIC REG. #7132142 MY COMMISSION EXPIRES August 31, 2026 COMMONWEALTH OF VIRGINIA

PART IV

EXPLANATION

All Permit Application sections must be completed and submitted.

Permit Application fees and submittal items (see Part VI) must be submitted with the application.

Any and all work involving the lands and/or facilities of the District shall not commence without a Board approved permit.

All set policies, procedures, technical requirements, and fee schedules can be found and reviewed in the 'Administrative Policy and Procedures Guide'. The Guide is available at the District Office located at 601 East County Lane, Lehigh Acres, FL or online at la-msid.com/.

PART V

PROFESSIONAL CONSULTANT FORM

ATTORNEY

Name:							
Mailing Address:							
City:		State:				Zip:	
Business No.	Area Code:	( )	Number:	-		Ext.	
Other Contact:							

ENGINEER

Name:	MCKIM & CREED						
Mailing Address:	5701 DIVISION DR, STE A						
City:	FORT MYERS	State:		FLORIDA		Zip:	33905
Business No.	Area Code:	(239)	Number:	980 - 3384		Ext.	
Other Contact:							

OTHER REPRESENTATIVE/PROFESSIONAL

Name:	BLAIR CONSULTING SERVICES, INC						
Mailing Address:	1428 SUNBLUSH LN						
City:	LAS VEGAS	State:		NV		Zip:	89117
Business No.	Area Code:	(813)	Number:	579 - 0128		Ext.	
Other Contact:							

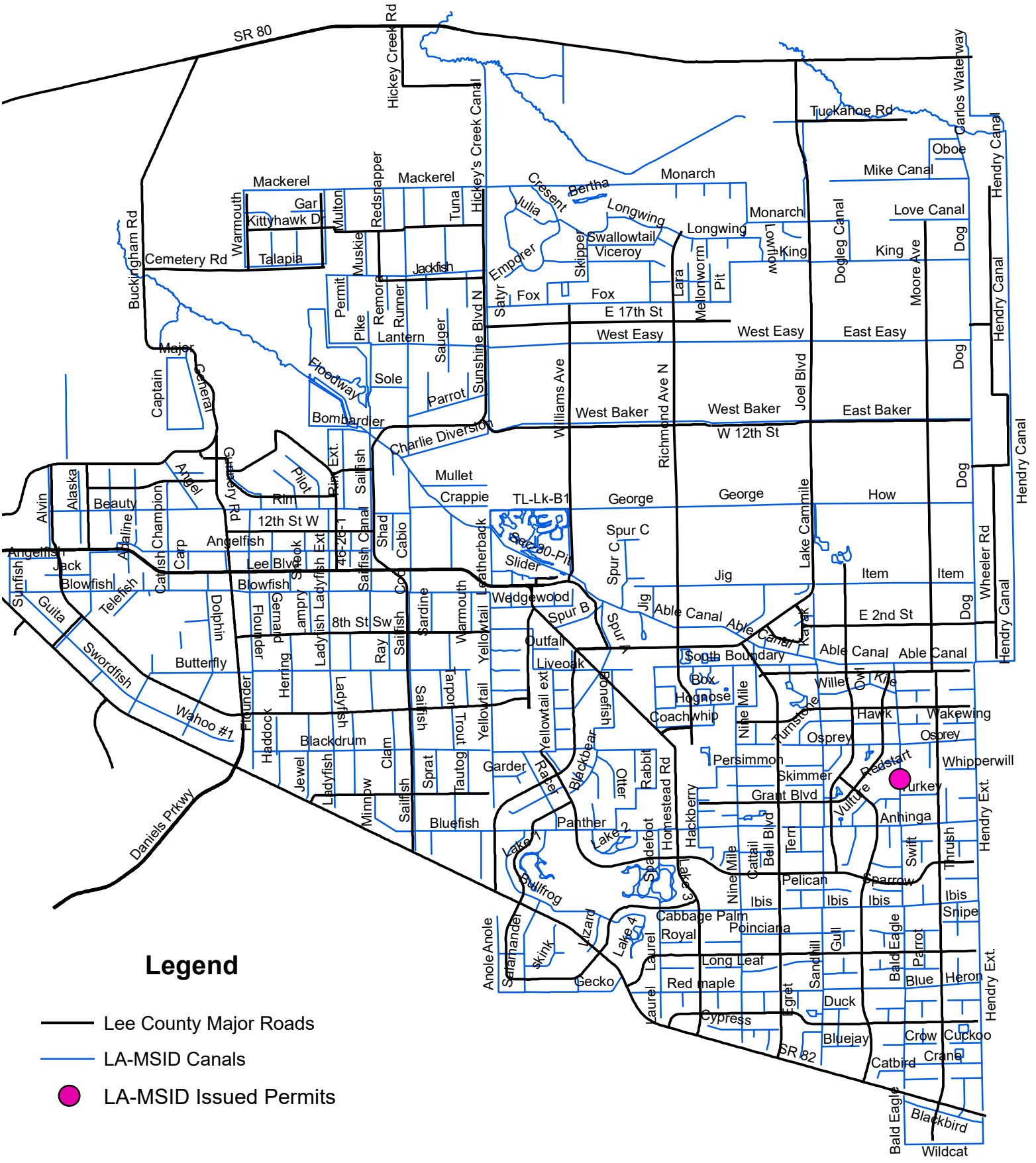
PART VI

SUBMITTALS

NO. OF COPIES		SUBMITTAL DOCUMENT
SUB'D	REQ'D	
		ITEMS REQUIRED FOR INITIAL SUBMITTAL
2	2	**Construction/Development Plans** signed and sealed by a Licensed Florida Professional Engineer including: 1. Location map showing the location of the proposed project in relation to adjacent streets and LA-MSID facilities. 2. Details of proposed works that fully communicate the work and/or use desired (i.e. Existing Conditions Survey, Proposed Site Plan, Paving Grading & Drainage Plan, Cross Sections, Element Details, and Erosion Control Plan sheets). 3. Sufficient survey data to determine elevations, property and ROW lines, limits of existing and proposed conditions, and notation of utilized vertical datum (NAVD/NGVD).
NA	2	**Stormwater Drainage Calculations** signed and sealed by a Licensed Florida Professional Engineer including, but not limited to, computer stormwater routing modeling data (ICPR4, Cascade, etc.) to verify compliance with the Design Criteria (input summary data below): **Water Quality Volume (Required):** _____(ACRE-FT) **Water Quality Volume (Provided):** _____(ACRE-FT) **Control Elevation:** _____(FT-NGVD) **Minimum Road/Parking Elevation:** _____(FT-NGVD) *(above the 10-year, 1-day design storm peak stage elevation)* **Minimum Perimeter Berm Elevation:** _____(FT-NGVD) *(above the 25-year, 3-day design storm peak stage elevation)* **Minimum Finished Floor Elevation:** _____(FT-NGVD) *(above the 100-year, 3-day design storm peak stage elevation and previously experienced high-water levels external to project)*
2	2	**Flash Drive / CD** containing plans in both AutoCAD (.dwg file drawn in "State Plane Coordinates") and PDF formats.
2	2	**Permit Application** (PARTS I & II)
2	2	**Disclosure of Owner Form (signed and notarized)** (PART III)
2	2	**Professional Consultant Form & Submittals** (PARTS V & VI)
NA	2	**Copy of Approved FDEP Notice of Intent (NOI)** for all sites one (1) acre and greater in size.
NA	2	**Copy of approved SWFMD permit**, for all sites required to get a permit, **or FDEP "10/2 Self-Certification"** approval.
1	1	**Check for appropriate Permit Fees** made out to LA-MSID.

Lehigh Acres Municipal Services Improvement District
♦601 East County Lane ♦Lehigh Acres, FL 33936 ♦Phone: (239) 368-0044
REVISED 7-20-2022

Permit # 2026-107

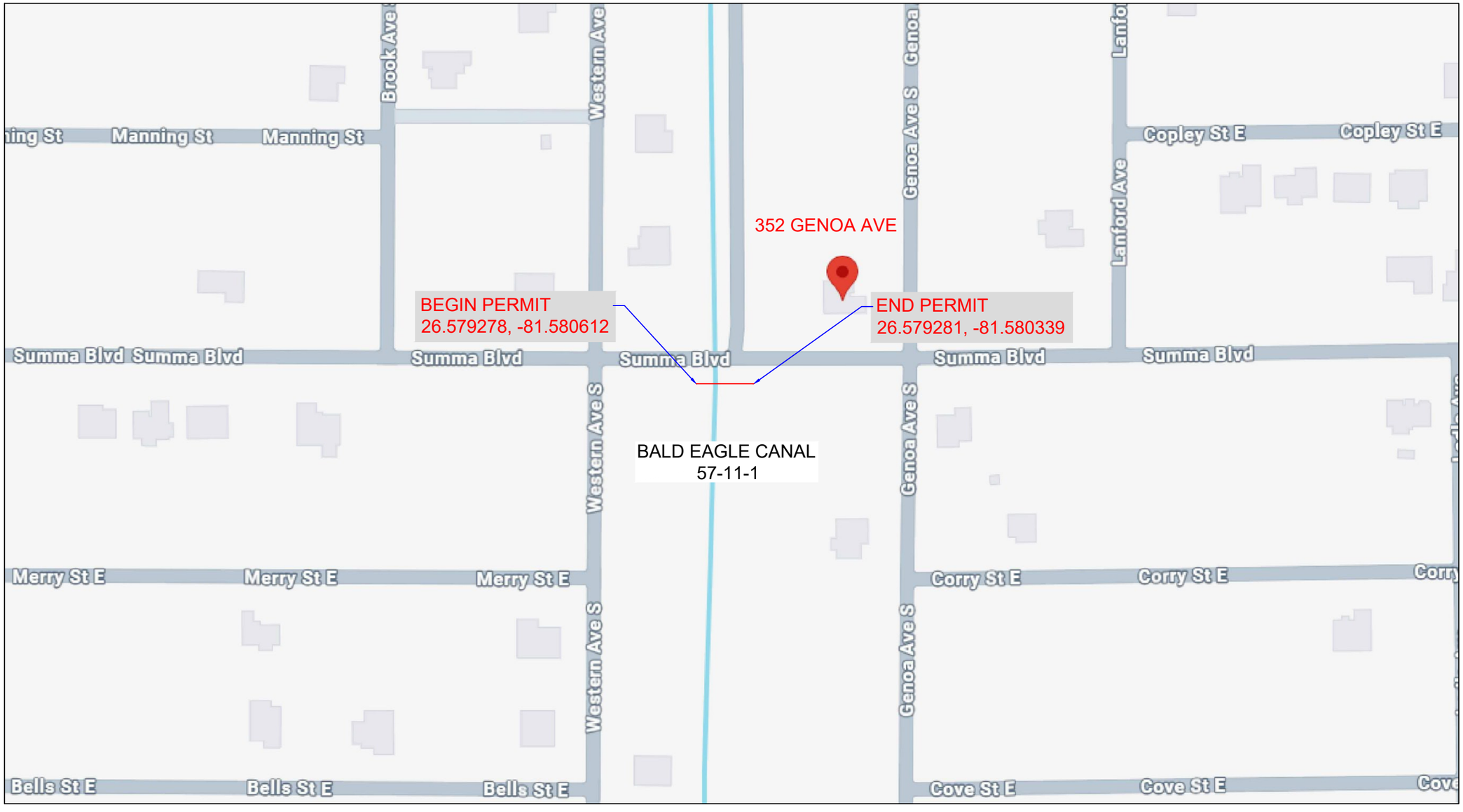


Legend

- Lee County Major Roads
- LA-MSID Canals
- LA-MSID Issued Permits

LE1_007_FDH_009 - LEHIGH ACRES_LEE COUNTY_FLORIDA - BALD EAGLE CANAL

352 GENOA SUMMA BLVD, LEHIGH ACRES, FL 33974 (26.579300, -81.580485)



PERMIT #:

PROJECT DESCRIPTION

- BURIED PLACEMENT OF 330' OF (2) 1.25" HDPE SDR 11 CONDUIT EQUIPPED WITH (1) 288-CT FIBER OPTIC CABLE. (0) PROPOSED HANDHOLES.
- PIPE TO BE INSTALLED BY MEANS OF HORIZONTAL DIRECTIONAL DRILLING AND HAND DIGGING METHODS.
- ALL AREAS DISTURBED BY INSTALLATION TO BE RESTORED TO EXISTING OR BETTER CONDITION.

DRAWING INDEX

SHEET NUMBER	SHEET TITLE	SHEET NUMBER	SHEET TITLE
1	COVER SHEET	7	PROFILE VIEW
2	SOW AND CONTACTS	8 - 9	IMAGES
3	LEGEND	10 - 12	TYPICALS
4 - 5	GENERAL NOTES		
6	PROJECT SHEETS		

PERMITTING AGENCY
LA - MSID

lumos

BLAIR CONSULTING SERVICES, Inc.

1428 SUNBLUSH LN
LAS VEGAS, NV 89117

811 Know what's below. Call before you dig.

Blair Consulting Services, INC
1428 Sunblush Ln, Las Vegas, NV 89117
Fabio Perassi - Project Manager
fsperassi@gmail.com

LUMOS
William Kiefer - OSP Project Engineer
william.kiefer@lumosfiber.com
Phone: (515) 306-3403

Jason Bush - Construction Manager
jason.bush@lumosfiber.com
Phone: (941)812-2913

EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND BASED ON AVAILABLE RECORDS AND FIELD OBSERVATIONS. CONTRACTOR IS RESPONSIBLE FOR CALLING 811 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES AND ANY DAMAGE TO THE UTILITIES SHALL BE IMMEDIATELY REPAIRED AT THE CONTRACTOR'S EXPENSE.

REVISION DATA

NO.	DESCRIPTION	BY	DATE
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SHEET TITLE:	COVER SHEET
PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_007_FDH_009
DESCRIPTION:	BALD EAGLE CANAL
DRAWING NAME:	LE1_007_FDH_009 - LEHIGH ACRES_LEE COUNTY_FLORIDA - BALD EAGLE CANAL
SHEET:	1 OF 12

SCOPE OF WORK

- BURIED PLACEMENT OF 330' OF (2) 1.25" HDPE SDR 11 CONDUIT EQUIPPED WITH (1) 288-CT MICROFIBER OPTIC CABLE. (0) PROPOSED HANDHOLES.
- PIPE TO BE INSTALLED BY MEANS OF HORIZONTAL DIRECTIONAL DRILLING AND HAND DIGGING METHODS.
- ALL AREAS DISTURBED BY INSTALLATION TO BE RESTORED TO EXISTING OR BETTER CONDITION.

UTILITY OWNER CONTACTS

LUMOS
William Kiefer - OSP Project Engineer
William.kiefer@lumosfiber.com
Phone: (515) 306-3403

Jason Bush - Construction Manager
jason.bush@lumosfiber.com
Phone: (941)812-2913

ENGINEERING COMPANY

Blair Consulting Services, INC
1428 Sunblush Ln,
Las Vegas, NV 89117

PROJECT MANAGER
Fabio Perassi
813-579-0128
fsperassi@gmail.com

UTILITIES CONTACTS

CENTURYLINK
BILL MCCLOUD
(850) 815-3144

LEE COUNTY ELECTRIC CO-OP
TOM BAILEY
(239) 656-2414

LUMOS FIBER OF FLORIDA, LLC
MARLON BROWN - SR DIRECTOR
MARLON.BROWN@LUMOSFIBER.COM
(540) 278-0304

FLORIDA GOVERNMENTAL UTILITIES AUTHORITY - LEHIGH
POTABLE WATER/SANITARY SEWER
LINA MARIA QUINTERO, PE
(727) 858-2396

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT
MICHAEL COOK
(239) 368-0044 Ext. 16
MCOOK@LA-MSID.COM
STORM WATER/CANALS

LEE COUNTY DEPARTMENT OF TRANSPORTATION (DOT)
COMMERCIAL RIGHT OF WAY USE PERMIT
(239) 533-8580
ROADS

FDOT
DISTRICT 1 - COUNTIES: CHARLOTTE, COLLIER, DESOTO, GLADES, HARDEE, HENDRY, HIGHLANDS, LEE, MANATEE, OKEECHOBEE, POLK, SARASOTA
801 N. BROADWAY AVENUE
BARTOW, FLORIDA 33830
PHONE: (800) 292-3368
PHONE: (239) 225-1900

PERMITTING AGENCY
LA - MSID

lumos

BLAIR CONSULTING SERVICES, Inc.

1428 SUNBLUSH LN
LAS VEGAS, NV 89117

811 Know what's below. Call before you dig.

EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND BASED ON AVAILABLE RECORDS AND FIELD OBSERVATIONS. CONTRACTOR IS RESPONSIBLE FOR CALLING 811 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES AND ANY DAMAGE TO THE UTILITIES SHALL BE IMMEDIATELY REPAIRED AT THE CONTRACTOR'S EXPENSE.

REVISION DATA

NO.	DESCRIPTION	BY	DATE
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SHEET TITLE:
SOW & CONTACTS

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_007_FDH_009
DESCRIPTION:	BALD EAGLE CANAL
DRAWING NAME:	LE1_007_FDH_009 - LEHIGH ACRES_LEE COUNTY_FLORIDA - BALD EAGLE CANAL
SHEET:	2 OF 12

LINETYPES

- UG FIBER – EXISTING
- UG FIBER – PROPOSED
- AERIAL FIBER – EXISTING
- AERIAL FIBER – PROPOSED
- COMMUNICATION (COM)
- RECLAIM WATER (RCW)
- DITCH
- GUARDRAIL
- ROAD CENTERLINE
- EASEMENT (ESMT)
- GAS (G)
- WATER (W)
- TELEPHONE (T)
- ELECTRIC (E)
- SANITARY SEWER (SEW)
- STORM DRAIN (SD)
- FENCE (X)
- CABLE TV (TV)
- STEAM (STM)
- OIL (OIL)
- UNKNOWN UTILITY (UNK)
- RIGHT OF WAY (R/W)
- EDGE OF PAVEMENT (EOP)
- SIDEWALK (S/W)

SYMBOL	DESCRIPTION
BP	BORE PIT
EOP	EDGE OF PAVEMENT
EOTW	EDGE OF TRAVEL WAY
FOC	FIBER OPTIC CABLE
HDPE	HIGH DENSITY POLYETHYLENE
HH	HANDHOLE
JB	JUNCTION BOX
MH	MANHOLE
MP	MILE POST
O/S	OFFSET
PVC	POLY VINYL CHLORIDE
RGS	RIGID GALVANIZED STEEL CONDUIT
ROW	RIGHT OF WAY
S/W	SIDEWALK
STA.	STATION

- CB — CABINET
- P — PEDESTAL
- E — ELECTRIC
- EM — ELECTRIC METER
- MH — MANHOLE
- R — RISER
- T — TELEPHONE
- P — POWER VAULT
- CATCH BASIN/INLET
- FIRE HYDRANT
- GROUND/BOND
- STREET LIGHT
- TREE
- CULVERT
- WING WALL
- BRIDGE
- U — MISC. UTILITY
- UTILITY POLE – EXISTING
- OWNER ID — POLE – PROPOSED
- HH — HANDHOLE – EXISTING
- HH — HANDHOLE – PROPOSED
- PD — PEDESTAL – PROPOSED
- MKR — PROMARK DOME MARKER POST
- BORE PIT – PROPOSED

- 0' — AERIAL STORAGE – EXISTING
- 0' — AERIAL STORAGE – PROPOSED
- 0' — VAULT/BUILDING STORAGE – EXISTING
- 0' — VAULT/BUILDING STORAGE – PROPOSED
- POLE ANCHOR/DOWN GUY – EXISTING
- POLE ANCHOR/DOWN GUY – PROPOSED
- PROPOSED DOWN GUY ON EXISTING ANCHOR
- FDP / NAME / SIZE / LOCATION — TERMINATION – EXISTING
- FDP / NAME / SIZE / LOCATION — TERMINATION – PROPOSED
- BUILDING / NAME / STREET — BUILDING CALLOUT – PROPOSED
- MANUFACTURER NAME — SPLICE POINT – EXISTING
- MANUFACTURER NAME — SPLICE POINT – PROPOSED

#F	
	IN: 0
	OUT: 0

SEQUENTIAL CALLOUT

#F	
	IN: 0
	TAIL: 0

SEQUENTIAL IN TAIL CALLOUT

#F	
	TAIL: 0
	OUT: 0

SEQUENTIAL TAIL OUT CALLOUT

POLE NO	N/A
UTILITY1	0'-0"

POLE ATTACHMENT CALLOUT – EXISTING
USE DYNAMIC PULL DOWN TO SELECT FROM 1 TO 6 ATTACHMENTS

POLE NO	N/A
UTILITY1	0'-0"

POLE ATTACHMENT CALLOUT – PROPOSED
USE DYNAMIC PULL DOWN TO SELECT FROM 1 TO 6 ATTACHMENTS

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REVISION DATA

NO.	DESCRIPTION	BY	DATE
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SHEET TITLE: LEGEND

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_007_FDH_009
DESCRIPTION:	BALD EAGLE CANAL
DRAWING NAME:	LE1_007_FDH_009 - LEHIGH ACRES_LEE COUNTY_FLORIDA - BALD EAGLE CANAL
SHEET:	3 OF 12

GENERAL NOTES

CONTRACTOR MUST OBTAIN LOCATES PRIOR TO DISTURBING THE GROUND.

CONTRACTOR MUST HAVE A COPY OF THE APPROVED PERMIT FROM THE APPROPRIATE AGENCY ON THE JOBSITE AT ALL TIMES.

ALL CABLE WILL BE PLACED AT A MINIMUM DEPTH OF 36" DEEP UNLESS OTHERWISE DIRECTED BY A REPRESENTATIVE OF THE UTILITY OWNER.

ANY LANDSCAPING WILL BE REPLACED TO EQUAL OR BETTER THAN THAT WHICH EXISTED PRIOR TO WORK, 72 HOURS AFTER COMPLETION OF WORK.

PROJECT SITE WILL BE PROPERLY SECURED PRIOR TO THE END OF EACH DAY.

ALL WORK IS TO BE IN ACCORDANCE WITH ALL AUTHORITIES HAVING JURISDICTION IN THE WORK ZONE.

CONTRACTORS ARE ADVISED TO CONTACT THE PROJECT MANAGER FOR ANY ADDITIONAL INFORMATION OR CLARIFICATION CONCERNING SCOPE OF WORK OR THE REQUIREMENTS NECESSARY FOR PROJECT COMPLETION.

CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY ALL DIMENSIONS, QUANTITIES AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION. IF A SIGNIFICANT CHANGE TO THE RUNNING LINE IS NEEDED, PLEASE CONTACT THE PROJECT MANAGER BEFORE PROCEEDING.

BEFORE CONSTRUCTION BEGINS, CONTRACTOR SHALL TAKE APPROPRIATE PRECAUTIONS TO AVOID ANY POTENTIAL OBSTRUCTIONS PRIOR TO PROCEEDING WITH WORK.

NO CONSTRUCTION ON PRIVATE PROPERTY WILL COMMENCE UNTIL APPROVAL IS GIVEN BY A REPRESENTATIVE OF THE UTILITY OWNER.

CONTRACTOR SHALL NOT PROCEED WITH WORK UNTIL THEY HAVE RECEIVED A PURCHASE ORDER AND HAVE BEEN DIRECTED TO DO SO BY AN AUTHORIZED REPRESENTATIVE OF THE UTILITY OWNER.

CONTRACTOR SHALL NOT EXCEED THE PURCHASE ORDER VALUE WITHOUT AUTHORIZATION IN WRITING FROM THE APPROPRIATE REPRESENTATIVE OF THE UTILITY OWNER.

AS-BUILTS WILL BE REQUIRED FOR EACH PROJECT INCLUDING CABLE FOOTAGE SEQUENTIALS AT EVERY ACCESS POINT, SLACK LOOP, SPLICE LOCATION, POLE AND TERMINATION POINT. CONTRACTOR SHOULD ALSO PROVIDE NOTES OF ALL CHANGES IN DEPTHS, RUNNING LINES, MH/HH LOCATIONS, AND ANY OTHER APPLICABLE NOTES TO DEPICT THE WORK THAT TOOK PLACE. NOTE: ALL MAJOR CHANGES NEED TO BE PRE-APPROVED BY AN AUTHORIZED REPRESENTATIVE OF THE UTILITY COMPANY PRIOR TO STARTING THE WORK.

SITE CONDITIONS

THE ACTUAL LOCATION OF EXISTING CONDUIT AND CABLES MAY VARY FROM THE LOCATION SHOWN. REPAIR OF ANY DAMAGED CONDUIT CONTAINING CABLE SHALL BE MADE BY USE OF PVC SPLIT DUCT. THE CONTRACTOR SHALL ENCLOSE THE EXISTING CABLES IN PVC.

THE LOCATIONS OF EXISTING UTILITIES SHOWN IN THIS PLAN ARE APPROXIMATE. WHEN WORK IS TO BE CONDUCTED IN THE VICINITY OF KNOWN UTILITIES, THEIR ACTUAL LOCATION MUST BE FIELD VERIFIED TO AVOID CONFLICTS OR DAMAGE TO THOSE UTILITIES. VARIATION IN LOCATION BETWEEN "RECORDED POSITIONS" AND ACTUAL POSITIONS SHOULD BE ANTICIPATED.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES. BURIED UTILITIES MAY EXIST IN THE AREA IN ADDITION TO THOSE SHOWN ON THE PLAN. THE CONTRACTOR SHALL CONTACT PROPERTY OWNERS WHEN WORKING WITHIN PRIVATE EASEMENTS FOR LOCATION OF UNDERGROUND TANKS, PIPELINES, DRAIN TILES, OR OTHER BURIED IMPROVEMENTS. THE CONTRACTOR SHALL ALSO NOTIFY THE UTILITY NOTIFICATION CENTER PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITIES.

THE CONTRACTOR MUST ASSUME ALL BURIED UTILITIES ENCOUNTERED ARE ALIVE AND ACTIVE UNLESS SPECIFICALLY INSTRUCTED OTHERWISE BY OWNERS OR OPERATORS OF SAID UTILITIES.

DAMAGE TO SUB-SURFACE STRUCTURES IS THE SOLE RESPONSIBILITY OF THE PLACING CONTRACTOR.

THE CONTRACTOR SHALL PROTECT THE EXISTING TRAFFIC CONTROL LOOPS. IF EXISTING TRAFFIC CONTROL LOOPS ARE DAMAGED DURING CONSTRUCTION, THE ENTIRE LOOP WIRE FROM TERMINAL TO TERMINAL SHALL BE REPLACED IN ACCORDANCE WITH GOVERNING AGENCY STANDARDS AND REGULATIONS AT CONTRACTOR'S EXPENSE.

REMOVAL OF EXISTING ASPHALT PAVEMENT, CONCRETE CURBS, AND CONCRETE SIDEWALKS WILL BE "NEAT LINE" WITH SAW OR PAVEMENT CUTTER, PER REQUIREMENTS AND SPECIFICATIONS OF THE AGENCY OR DEPARTMENT RESPONSIBLE FOR EACH LOCATION. IF CONCRETE PAVEMENT IS ENCOUNTERED WHILE EXCAVATING CONDUIT TRENCHES, THE CONCRETE REMOVAL WILL BE "NEAT LINE" WITH A PAVEMENT SAW.

IF CONCRETE CURB RETURNS AND/OR SIDEWALKS ARE REPLACED DUE TO CONDUIT OR MANHOLE INSTALLATION, THE CONTRACTOR SHALL PLACE APPROVED HANDICAPPED SIDEWALK AND CURB ACCESS RAMPS IN CONFORMANCE WITH THE APPROPRIATE STATE STATUTES.

ALL MATERIALS NECESSARY FOR THE REPAIR OF STREETS, CURBS, SIDEWALKS, SANITARY SEWERS, STORM SEWERS, AND PUBLIC SERVICE UTILITIES, AND THE INSTALLATION OF SUCH MATERIALS SHALL BE IN CONFORMANCE WITH THE REQUIREMENTS AND SPECIFICATIONS OF THE AGENCY OR DEPARTMENT RESPONSIBLE FOR THE OPERATION AND MAINTENANCE OF THE REPAIRED FACILITY.

ALL WORK SHALL CONFORM TO THE SPECIFICATIONS OF THE JURISDICTIONAL PERMIT AGENCY.

ALL OPEN TRENCH WILL BE CLEARLY MARKED WITH BARRICADES OR CONES. STEEL PLATES OR OTHER TYPES OF BRIDGING SHALL BE PROVIDED TO COVER OPEN TRENCH IN THE TRAVEL PORTION OF THE STREETS. THESE PLATES OR BRIDGING SHALL BE ADEQUATE TO SUPPORT THE NORMAL VEHICLE LOADS ANTICIPATED IN THIS AREA AND SHALL BE IN PLACE DURING ALL NON-WORKING AREAS.

ALL SURFACES TO BE RESTORED TO ORIGINAL CONDITION, AND BACKFILL TO BE COMPACTED AS SPECIFIED. TRENCH EXCAVATION IN SURFACES WHICH INCLUDE CONCRETE TREATED BASE SHALL FOLLOW LOCAL AREA SPECIFICATIONS.

HAZARDOUS MATERIALS

THE CONTRACTOR SHALL NOTIFY THE JURISDICTIONAL PERMIT AGENCY IMMEDIATELY IF ANY MATERIALS ARE ENCOUNTERED THAT ARE CONSIDERED HAZARDOUS BY THE EPA, DEQ, OR OSHA. IF POTENTIALLY HAZARDOUS MATERIALS ARE ENCOUNTERED THE CONTRACTOR SHALL SECURE THE SITE AND PREVENT THE ACCIDENTAL EXPOSURE BY THE PUBLIC OR THE CONTRACTOR'S PERSONNEL.

THE CONTRACTOR MAY EXCAVATE UP TO, BUT SHALL NOT DISTURB KNOWN HAZARDOUS MATERIALS SUCH AS ASBESTOS, OILS, ACID, ETC. THE REMOVAL OF ALL HAZARDOUS MATERIALS MUST BE DONE BY AN APPROVED OR CERTIFIED HAZARDOUS MATERIALS CONTRACTOR LICENSED IN THE APPROPRIATE STATE.

A COPY OF ALL CORRESPONDENCE PERTINENT TO THE REMOVAL OF HAZARDOUS MATERIALS SHALL BE TRANSMITTED TO OWNER AND A COPY SHALL BE AVAILABLE AT THE PROJECT OFFICE AND THE JOB SITE.

AERIAL NOTES

- AERIAL CONSTRUCTION TO BE PERFORMED TO INDUSTRY ACCEPTABLE STANDARDS.
- ALL HEIGHTS OF CABLE PLACEMENT WILL BE RECORDED AT TIME OF CONSTRUCTION. DOCUMENT ALL POINTS OF ATTACHMENT.
- ALL EXTENSION ARMS TO BE PLACED WILL BE EPOXY ARMS UNLESS OTHERWISE NOTED OR APPROVED BY THE INSPECTOR.
- BOND STRAND TO POWER MGN WHERE APPLICABLE. ANCHORS TO BE USED WILL BE 3/4 SCREW IN TYPE.
- ALL STRAPS WILL BE PLACED 4" BEFORE AND AFTER EVERY SUPPORTING CLAMP AT A MINIMUM OF 21" APART.
- P.O.A. = POINT OF ATTACHMENT.
- ADD MISSING GROUNDS.
- REPAIR/REPLACE EXISTING LASHING WIRE IF DAMAGED.

CONSTRUCTION STAKING

IN AREAS WHERE THE CONDUIT ALIGNMENT IS NOT CLEARLY DEFINED BY CURB LINES, FENCE LINES, OR OTHER EVIDENCE OF THE RIGHT-OF-WAY, THE ENGINEER WILL PROVIDE CENTERLINE STAKES OR PAINT MARKS WHERE REQUIRED TO MAKE THE PROPOSED CONDUIT ALIGNMENT EVIDENT.

MANHOLE CENTERS WILL BE FIELD STAKED BY THE ENGINEER WHEN REQUESTED WITH OFFSET STAKES AT RIGHT ANGLES (90°) TO THE CONDUIT ALIGNMENT.

CLOSURES IDENTIFIED IN THE PLANS SHALL BE LOCATED BY THE CONTRACTOR. DEVIATION FROM PLAN LAYOUT SHALL BE APPROVED BY THE ENGINEER PRIOR TO CONDUIT AND/OR CLOSURE INSTALLATION.

IF ADDITIONAL, FIELD STAKING OR LOCATION OF CONDUITS, MANHOLES, PROPERTY LINES, ETC., BECOMES NECESSARY, THE CONTRACTOR IS TO NOTIFY THE INSPECTOR OR THE ENGINEER TWO WORKING DAYS PRIOR TO BEGINNING THE WORK.

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SHEET TITLE:	GENERAL NOTES
PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_007_FDH_009
DESCRIPTION:	BALD EAGLE CANAL
DRAWING NAME:	LE1_007_FDH_009 - LEHIGH ACRES_LEE COUNTY_FLORIDA - BALD EAGLE CANAL
SHEET:	4 OF 12

PERMITS - FRANCHISES - EASEMENTS

PHYSICAL WORK SHALL NOT BE STARTED UNTIL THE GOVERNING AGENCY INSPECTOR AND THE CONTRACTOR ARE IN POSSESSION OF AND HAVE CAREFULLY REVIEWED AND FULLY UNDERSTAND ALL CONDITIONS AND SPECIFICATIONS SET FORTH IN THE REQUIRED PERMITS, FRANCHISES, AND/OR EASEMENTS.

PLACING FOREMAN TO HAVE A COPY OF THE PERMITS/EASEMENTS ON SITE AT ALL TIMES.

ANY CONFLICT BETWEEN WORK PRINT SPECIFICATIONS AND SPECIFICATIONS SET FORTH UNDER RELATED PERMITS, FRANCHISES, AND/OR EASEMENTS MUST BE CLEARED BY PROPER COMPANY AUTHORITY BEFORE PROGRESSING WITH WORK INVOLVED

TRAFFIC CONTROL

THIS PROJECT WILL INVOLVE WORKING ALONG A MAJOR ARTERIAL ROAD AND HEAVY TRAFFIC VOLUME SHOULD BE ANTICIPATED.

UNIFORM TRAFFIC FLOW SHALL BE MAINTAINED AT ALL TIMES. ONLY EQUIPMENT AND MATERIALS NECESSARY FOR IMMEDIATELY SCHEDULED OR IN PROGRESS WORK WILL BE MAINTAINED IN THE WORK AREA. ALL OTHER EQUIPMENT AND MATERIALS WILL BE "STORED OR STOCKPILED" IN SUCH A MANNER AS TO ELIMINATE HAZARDOUS CONDITIONS FOR TRAFFIC OR PEDESTRIANS DURING NON-WORKING OR SHUT DOWN PERIODS.

TRAFFIC WARNING DEVICES AND SIGNS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (U.S. GOVERNMENT PRINTING OFFICE) AND TO THE STATE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION. HIGH LEVEL WARNING TYPE DEVICES ARE TO BE USED AT ALL TIMES AND SPECIAL WARNING DEVICES MAY BE STIPULATED BY THE JURISDICTIONAL PERMIT AGENCY AT ANY TIME THE USE WILL ADD TO THE SAFETY AND PROTECTION OF TRAFFIC OR PEDESTRIANS IN THE CONSTRUCTION AREA.

ALL CONDUIT TRENCHING IN PAVED AREAS SHALL BE BACKFILLED WITH CRUSHED GRAVEL OR COMPLETELY COVERED AT THE COMPLETION OF EACH WORKING DAY. ANY BACKFILLED TRENCH SHALL BE CAPPED WITH A MINIMUM LAYER OF ASPHALTIC CONCRETE COLD PATCH AT THE END OF EACH WORKING DAY.

THE CONTRACTOR SHALL MARK THE CONDUIT TRENCH AND DEFINE HIS CONSTRUCTION AREA CLEARLY WITH BARRICADES, CONES, AND/OR OTHER VISIBLE METHODS THAT ALERT THE PUBLIC OF THE CONSTRUCTION ACTIVITY.

A TRAFFIC CONTROL PLAN SHALL BE PREPARED BY THE CONTRACTOR AS REQUIRED AND SUBMITTED TO EACH PERMITTING AGENCY REQUESTING SUCH PLAN FOR REVIEW AND APPROVAL OR REVISION PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITY FOR THIS PROJECT. THE APPROVED PLAN SHALL BE SUBMITTED TO THE AGENCY AND A COPY OF THE PLAN SHALL BE KEPT AT THE CONSTRUCTION SITE AND MUST BE READILY AVAILABLE REVIEW BY THE AGENCY REPRESENTATIVES.

SPECIAL UTILITY CLEARANCES

ALL WORK CONDUCTED ADJACENT TO WATER MAINS SHALL CONFORM TO THE FOLLOWING CONDITIONS:

A. WHEREVER POSSIBLE CONDUIT SHALL MAINTAIN A HORIZONTAL SEPARATION OF 3.0 FEET, MEASURED SURFACE TO SURFACE (OUTSIDE EDGE TO OUTSIDE EDGE), FROM PARALLEL WATER MAINS.

B. WHEREVER POSSIBLE, CONDUIT SHALL PASS UNDER EXISTING WATER MAINS AND MUST MAINTAIN 24" VERTICAL CLEAR SEPARATION. CONDUITS PASSING OVER WATER MAINS MUST ALSO MAINTAIN THE 24" VERTICAL SEPARATION.

C. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING THIS REQUIRED VERTICAL SEPARATION BY EITHER EXPOSING THE WATER MAIN EVERY 100 FEET IN THOSE AREAS WHERE HORIZONTAL SEPARATION IS LESS THAN 3.0 FEET OR BY UTILIZING THE DEPTHS OF ADJACENT WATER VALVES. IF THE CONTRACTOR UTILIZES THE ADJACENT WATER TO DETERMINE WATER MAIN DEPTH, HE SHALL CONTACT THE AGENCY AT EACH SUCH LOCATION AND THE AGENCY WILL DETERMINE THE NECESSARY DEPTH OF THE TOP OF THE CONDUIT AT THAT POINT.

D. THE VERTICAL AND HORIZONTAL SEPARATION SHALL BE MAINTAINED AT ALL TIMES UNLESS SPECIFICALLY REVISED BY AGREEMENT BETWEEN THE JURISDICTIONAL PERMIT AGENCY AND THE AGENCY ANY SPECIFIC DEVIATION IN VERTICAL AND HORIZONTAL SEPARATION FROM THOSE DESCRIBED SHALL BE REPORTED TO THE OWNER BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING VERTICAL AND HORIZONTAL SEPARATION AT ALL TIMES AND SHALL BE RESPONSIBLE FOR ANY AND ALL ENCROACHMENTS.

E. CLEARANCES TO STORM SEWERS AND SANITARY SEWERS SHALL BE EXACTLY THE SAME AS THOSE TO WATER MAINS.

STRUCTURE PROTECTION

MANHOLES AND CONDUIT TO BE PLACED ADJACENT TO EXISTING STRUCTURES SUCH AS BRIDGE BRIDGE FOOTINGS/PIERS, BUILDING FOUNDATIONS, WALLS, POWER AND TELEPHONE POLES, AND OTHER UTILITIES SHALL MAINTAIN A MINIMUM CLEARANCE AS SHOWN. THE CONTRACTOR SHALL NOT UNDERMINE ANY ADJACENT STRUCTURE WITHOUT SPECIFIC WRITTEN PERMISSION FROM THE OWNER/OPERATOR OF SUCH STRUCTURE.

SHORING USED AS FOUNDATION SUPPORT SHALL BE DESIGNED SPECIFICALLY FOR BOTH THE LIVE AND DEAD LOADS OF THE STRUCTURE, OR IF ONLY THE DEAD LOAD IS USED FOR DESIGN, THE CONTRACTOR SHALL PROVIDE A DETAILED LAYOUT AND PLAN OF THE METHOD OF ESTABLISHING AND MAINTAINING THE DESIGN LOAD CONDITIONS (I.E., ROAD DETOURS, TIEBACKS, ETC.).

SEE UTILITY CLEARANCE SECTION NOTES FOR CLEARANCE CRITERIA TO PARALLEL OR CROSS UTILITIES.

EXISTING UTILITIES EXPOSED DURING EXCAVATION SHALL BE 100% SUPPORTED BY EITHER TRENCH BRIDGING AND SUSPENSION OR BY THE USE OF LONGITUDINAL TRAYS OR PLATFORMS VERTICALLY SUPPORTED BY ADJUSTABLE BUILDING JACKS.

EXISTING SPLICE CASES AND CABLES SHALL BE SUPPORTED BY SUSPENSION FROM A CROSSING BEAM. SUPPORTS SHALL BE PLACED AT A MAXIMUM SPACING OF 4.0 FEET AND SHALL CONSIST OF A CANVAS SLING WITH NYLON BELTING OR ROPE. ALL CABLE SUPPORTS SHALL BE PLACED IN A MANNER THAN PREVENTS KINKS OR OTHER DAMAGE TO THE CABLE SHEATH.

AN ACCEPTABLE ALTERNATIVE TO CABLE SLINGS WOULD BE THE UTILIZATION OF A WIDE FLANGE "I" BEAM OR CHANNEL AS A "CABLE TRAY" WITH THE CABLES/CASES BANDED IN PLACE.

SHORING

THE CONTRACTOR SHALL PROVIDE SHORING FOR CONDUIT TRENCH EXCAVATION 42" OR MORE IN DEPTH AS MEASURED FROM THE HIGH SIDE OF THE TRENCH AND FOR ALL MANHOLE EXCAVATION.

MANHOLE SHORING SHALL BE TIGHT-SHEETED.

ALL SHORING SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF LOCAL COUNTY AND THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA).

SHORING SHALL BE DESIGNED TO MEET H-20 HIGHWAY LOADING.

THE CONTRACTOR SHALL PROVIDE ALL SHORING AND DESIGN CALCULATIONS TO THE PERMIT ISSUING AGENCY PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITY.

UTILITY NOTE:

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SOFT DIGS &/OR POTHOLING SHALL BE REQUIRED BY CONTRACTOR TO IDENTIFY EXISTING UTILITY DEPTHS.

MINIMUM 24" SEPARATION SHALL BE MAINTAINED FROM ALL EXISTING UTILITIES UNLESS SUPERVISED.

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SHEET TITLE:
GENERAL NOTES

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_007_FDH_009
DESCRIPTION:	BALD EAGLE CANAL
DRAWING NAME:	LE1_007_FDH_009 - LEHIGH ACRES_LEE COUNTY_FLORIDA - BALD EAGLE CANAL
SHEET:	5 OF 12

DIRECTIONAL BORE:
- (2) 1.25" HDPE SDR 11 CONDUIT
- 330'
- MINIMUM DEPTH = 186" STA– 00+90 TO 02+40

PROPOSED BORE
PIT 00+00

PROPOSED BORE
PIT 03+30

PROPOSED UTILITY
MARKER 00+90

PROPOSED UTILITY
MARKER 02+40

SUMMA BLVD

WESTERN AVE S

GENOA AVE S

BALD EAGLE CANAL
57-11-1

01+17

150'

6'

18'

80'

29'

ESMT

R/W

EOP

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0 10' 20' 30' 40'
SCALE: 1"=40'

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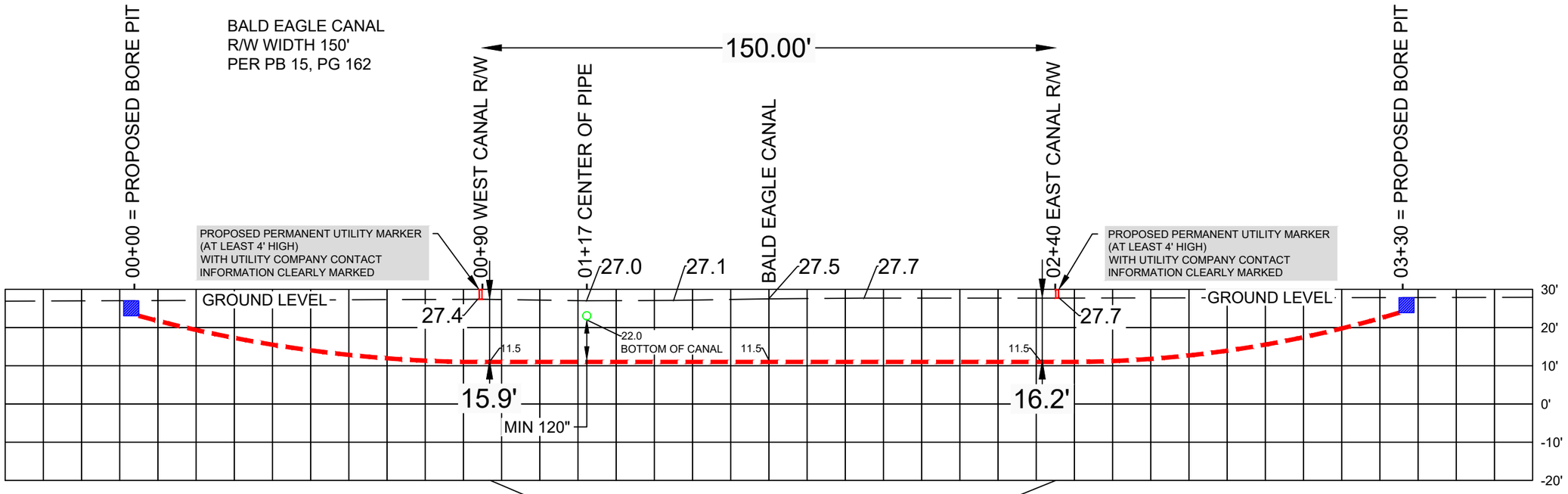
SHEET TITLE:
PROJECT SHEET

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_007_FDH_009
DESCRIPTION:	BALD EAGLE CANAL
DRAWING NAME:	LE1_007_FDH_009 - LEHIGH ACRES_LEE COUNTY_FLORIDA - BALD EAGLE CANAL
SHEET:	6 OF 12

SUB-GRADE VERTICAL PROFILE VIEW
SUMMA BLVD
LOOKING NORTH



MUST MAINTAIN MIN
10' BELOW BOTTOM OF
CANAL IN LA-MSID ROW

UTILITY NOTE:

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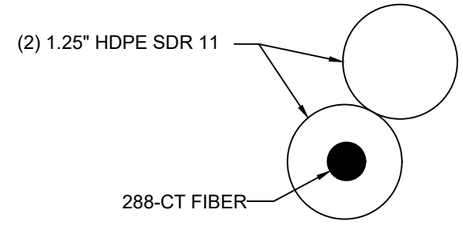
PIPE DETAIL



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0 10' 20' 30'
SCALE: 1"=30'

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SHEET TITLE:
PROFILE VIEW

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PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_007_FDH_009
DESCRIPTION:	BALD EAGLE CANAL
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SHEET:	7 OF 12

STREET LEVEL VIEW
STA 00+90
FACING EAST



05/20/2026 11:43AM
26.579278, -81.580612
401 WESTERN AVE S
LEHIGH ACRES, FL 33974

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1428 SUNBLUSH LN
LAS VEGAS, NV 89117

811 Know what's **below.** **Call** before you dig.

EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND BASED ON AVAILABLE RECORDS AND FIELD OBSERVATIONS. CONTRACTOR IS RESPONSIBLE FOR CALLING 811 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES AND ANY DAMAGE TO THE UTILITIES SHALL BE IMMEDIATELY REPAIRED AT THE CONTRACTOR'S EXPENSE.

REVISION DATA

NO.	DESCRIPTION	BY	DATE
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SHEET TITLE: IMAGES

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_007_FDH_009
DESCRIPTION:	BALD EAGLE CANAL
DRAWING NAME:	LE1_007_FDH_009 - LEHIGH ACRES_LEE COUNTY_FLORIDA - BALD EAGLE CANAL
SHEET:	8 OF 12



PERMITTING AGENCY

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SHEET TITLE: IMAGES

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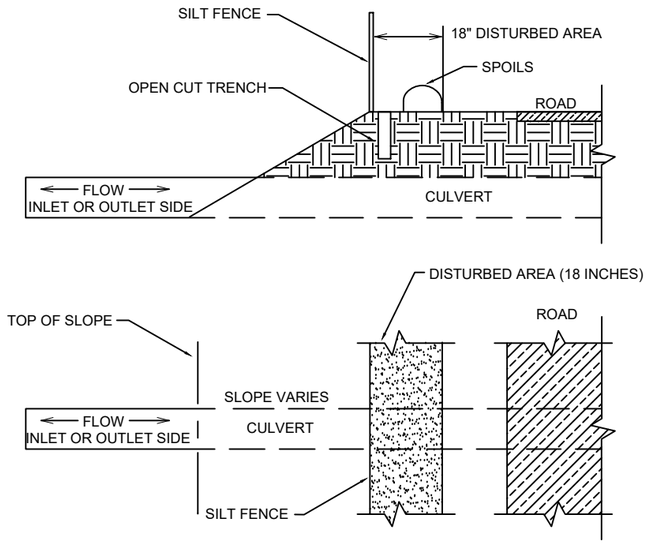
DESCRIPTION:	BALD EAGLE CANAL
DRAWING NAME:	LE1_007_FDH_009 - LEHIGH ACRES_LEE COUNTY_FLORIDA - BALD EAGLE CANAL
SHEET:	9 OF 12

TYPICALS

CULVERT CUT OVER ON ROADSIDE SHOULDER

NOT TO SCALE



GENERAL NOTES

1. INSTALL SILT FENCE TO PROTECT DOWNSTREAM AREAS FROM SEDIMENTATION PRIOR TO CONSTRUCTION.
2. INSTALL SILT FENCE AS NEEDED TO PROTECT DRAINAGE FEATURES, BUT NO LESS THAN 10' ON EITHER SIDE OF CULVERT.

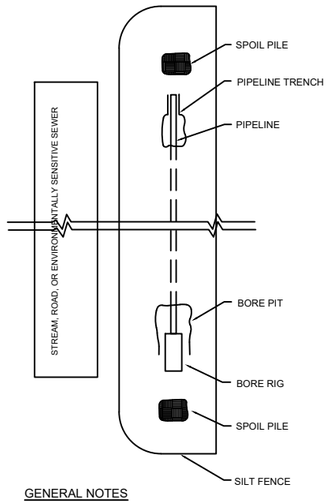
MAINTENANCE NOTES

INSPECT CULVERT CROSSING STRUCTURES WEEKLY AND AFTER EACH SIGNIFICANT RAINFALL EVENT (0.5" OR GREATER) TO SEE IF ANY EROSION AROUND OR BELOW THE SILT FENCE HAS OCCURRED, IMMEDIATELY MAKE ALL NEEDED REPAIRS TO PREVENT FURTHER DAMAGE.

*REF: 6.41.5 NC Erosion and Sediment Control Planning and Design Manual, 2006

DIRECTIONAL BORE DETAIL (PARALLEL)

NOT TO SCALE

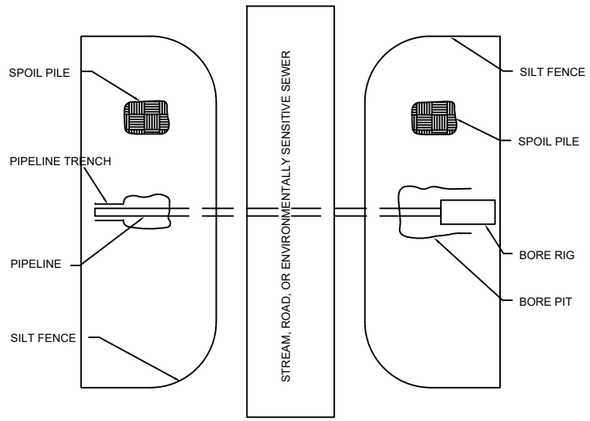


GENERAL NOTES

1. BORE PITS AND SPOILS PILES SHALL BE ENCLOSED ON THREE SIDES AS SHOWN WITH SILT FENCE

DIRECTIONAL BORE DETAIL (TRAVERSE)

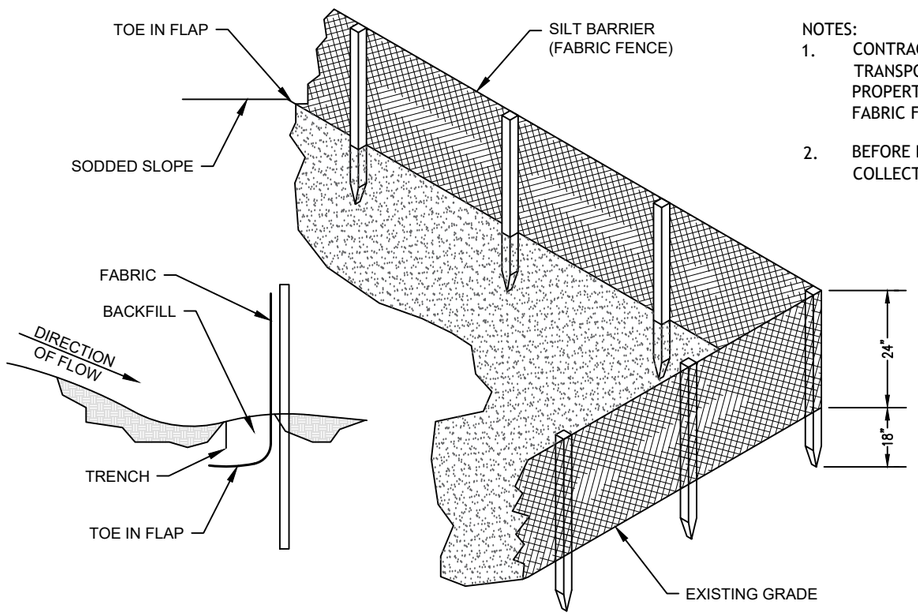
NOT TO SCALE



GENERAL NOTES

1. BORE PITS AND SPOILS PILES SHALL BE ENCLOSED ON THREE SIDES AS SHOWN WITH SILT FENCE

FABRIC FENCE SILT - BARRIER



NOTES:

1. CONTRACTOR IS REQUIRED TO PREVENT ANY SEDIMENT TRANSPORT FROM THE PROJECT SITE ON TO ADJACENT PROPERTY. INSTALLATION OF EITHER BALED HAY OR FABRIC FENCE TYPE SILT BARRIER IS ACCEPTABLE.
2. BEFORE REMOVING SILT BARRIER, CONTRACTOR SHALL COLLECT AND DISPOSE OF ANY ACCUMULATED SILT.

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SHEET TITLE: TYPICALS

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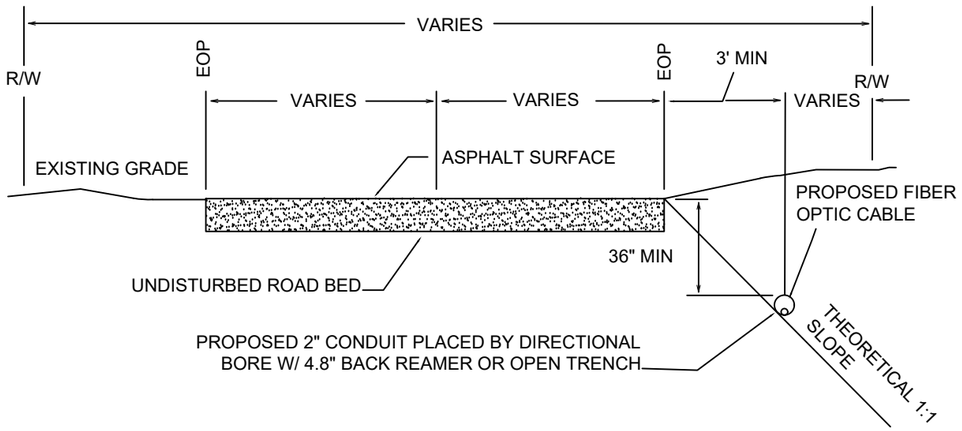
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_007_FDH_009
DESCRIPTION:	BALD EAGLE CANAL
DRAWING NAME:	LE1_007_FDH_009 - LEHIGH ACRES_LEE COUNTY_FLORIDA - BALD EAGLE CANAL
SHEET:	10 OF 12

TYPICALS

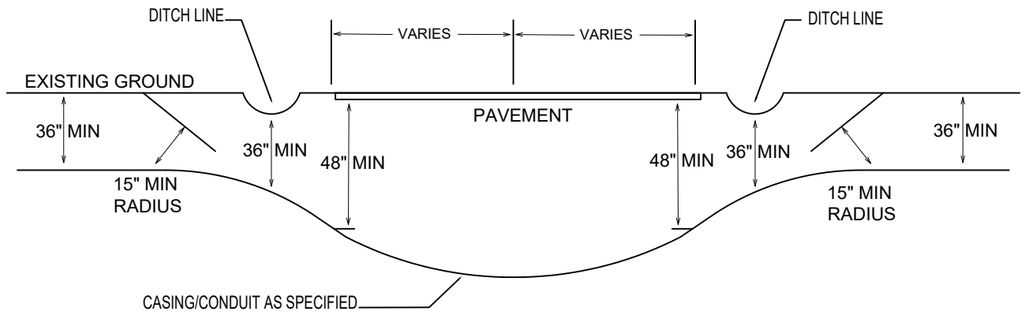
PARALLEL CONDUIT DETAIL FOR FDOT RIGHT-OF-WAY

NOT TO SCALE



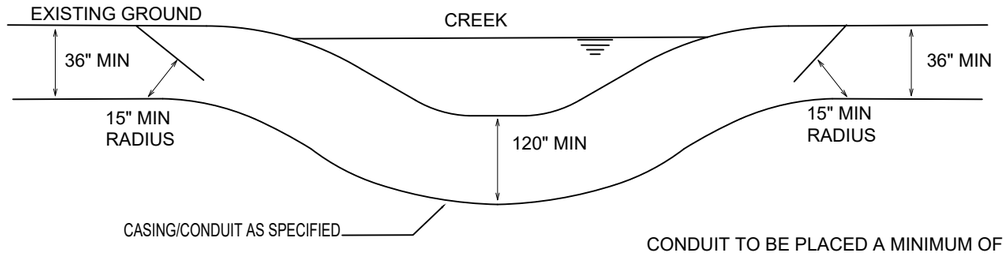
DIRECTIONAL BORE UNDER SECONDARY ROADWAY

NOT TO SCALE



DIRECTIONAL BORE UNDER CREEK BED

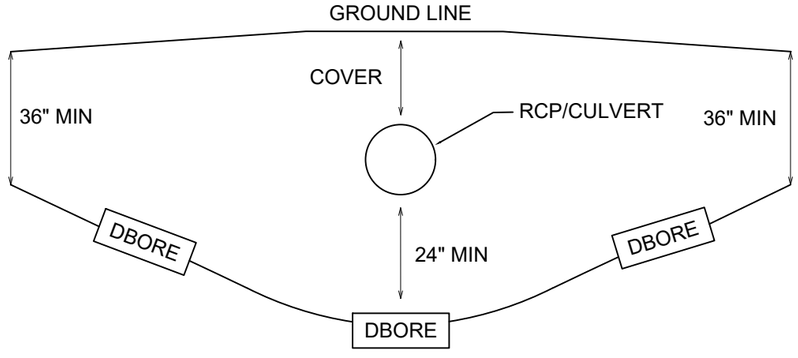
NOT TO SCALE



CONDUIT TO BE PLACED A MINIMUM OF 10 FEET BELOW CREEK BED

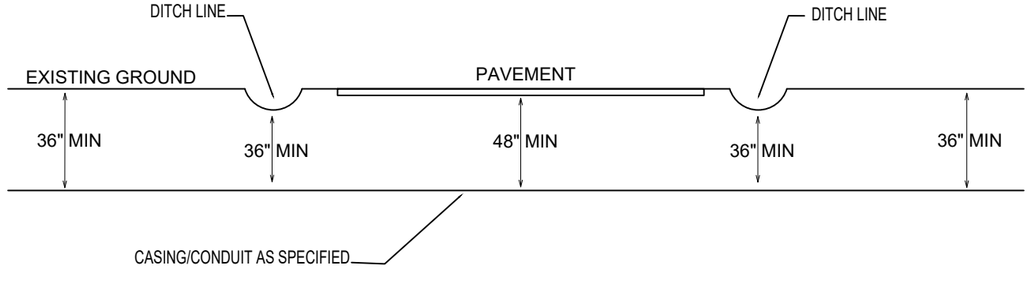
CULVERT CROSSING DETAIL

NOT TO SCALE



DRY BORE UNDER ROADWAY

NOT TO SCALE



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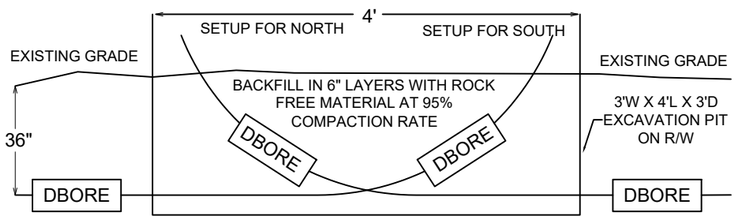
DRAWING NAME:	LE1_007_FDH_009 - LEHIGH ACRES_LEE COUNTY_FLORIDA - BALD EAGLE CANAL
SHEET:	11 OF 12

TYPICALS

DIRECTIONAL BORE TIE-IN DETAIL

NOT TO SCALE

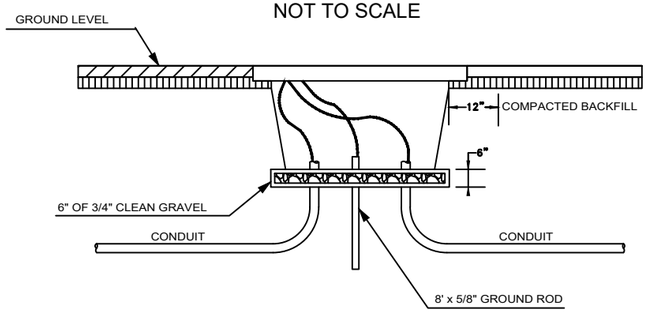


TIE-IN STATION

- BORE FROM EACH DIRECTION IS RUN AT DESIGN DEPTH TO 2 FEET PAST THE INTENDED TIE-IN. THEN TURNED UP TO DAYLIGHT.
- THE TIE-IN POINT IS EXCAVATED. THE CONDUITS CUT OFF WHERE THEY CROSS EACH OTHER AT DESIGN DEPTH, AND A COUPLER IS INSTALLED TO CONNECT THE TWO CONDUITS AT THE DESIGN DEPTH.
- ALL EXCAVATIONS OR TRENCHES 4 FEET OR GREATER IN DEPTH SHALL BE APPROPRIATELY BENCHED, SHORED, OR SLOPED IN OSHA'S EXCAVATION STANDARD, 29 CFR 1926.650, .651, AND .652

PULL BOX HANDHOLE

NOT TO SCALE



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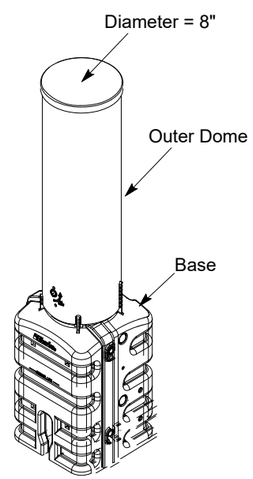
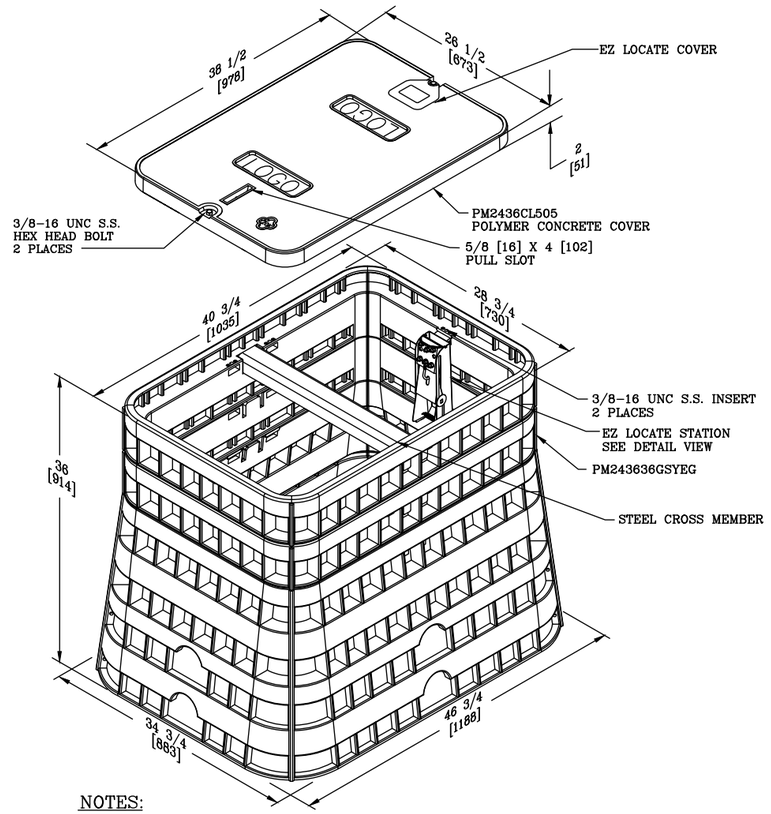
BDO204-EG

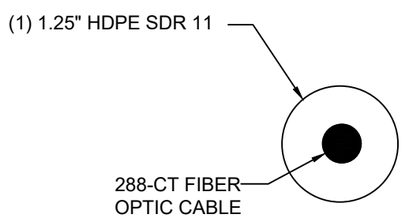




NOTES:

1. BOX MATERIAL TO BE HDPE PLASTIC, COVER MATERIAL TO BE POLYMER CONCRETE.
2. COLOR TO BE GREY.
3. THIS ASSEMBLY HAS A LOAD RATING OF 20,000 LBS. [88,960 N].

PIPE DETAIL



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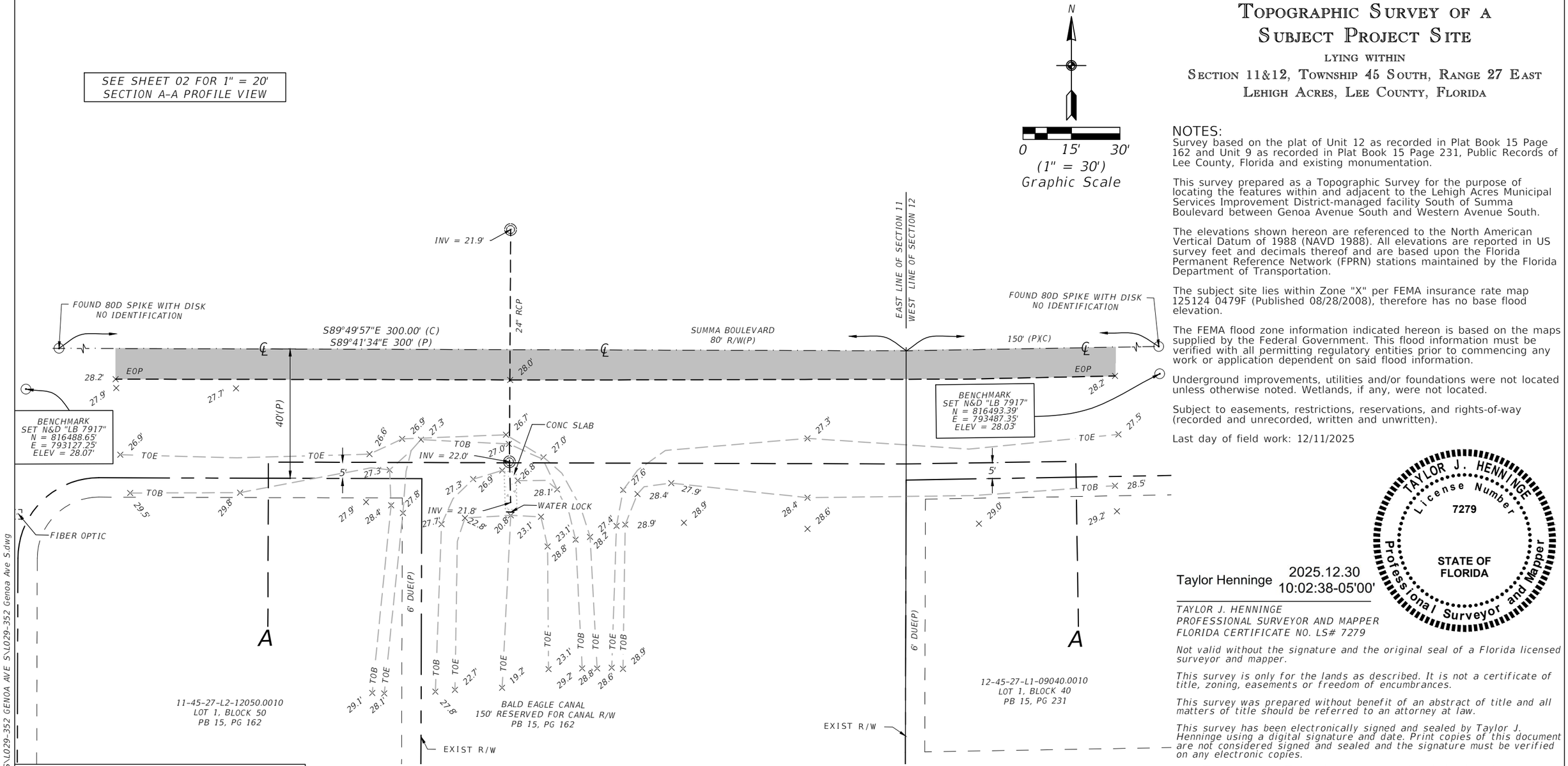
SHEET:	12 OF 12

Topographic Survey of a Subject Project Site

lying within

Section 11&12, Township 45 South, Range 27 East
Lehigh Acres, Lee County, Florida



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Survey based on the plat of Unit 12 as recorded in Plat Book 15 Page 162 and Unit 9 as recorded in Plat Book 15 Page 231, Public Records of Lee County, Florida and existing monumentation.

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The subject site lies within Zone "X" per FEMA insurance rate map 125124 0479F (Published 08/28/2008), therefore has no base flood elevation.

The FEMA flood zone information indicated hereon is based on the maps supplied by the Federal Government. This flood information must be verified with all permitting regulatory entities prior to commencing any work or application dependent on said flood information.

Underground improvements, utilities and/or foundations were not located unless otherwise noted. Wetlands, if any, were not located.

Subject to easements, restrictions, reservations, and rights-of-way (recorded and unrecorded, written and unwritten).

Last day of field work: 12/11/2025

TAYLOR J. HENNINGE
License Number
7279
STATE OF FLORIDA
Professional Surveyor and Mapper

Taylor Henninge 2025.12.30 10:02:38-05'00'

TAYLOR J. HENNINGE
PROFESSIONAL SURVEYOR AND MAPPER
FLORIDA CERTIFICATE NO. LS# 7279

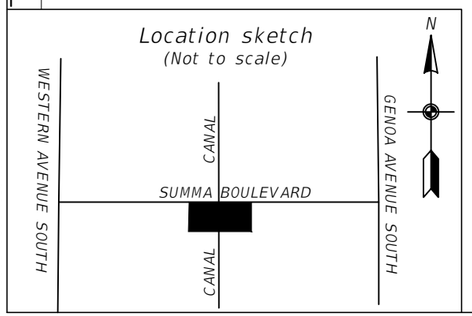
Not valid without the signature and the original seal of a Florida licensed surveyor and mapper.

This survey is only for the lands as described. It is not a certificate of title, zoning, easements or freedom of encumbrances.

This survey was prepared without benefit of an abstract of title and all matters of title should be referred to an attorney at law.

This survey has been electronically signed and sealed by Taylor J. Henninge using a digital signature and date. Print copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Summa Boulevard, Lehigh Acres



LEGEND:

(C)	= CALCULATED	N&D	= NAIL AND DISK
(F)	= PER PLAT	NAVD 88	= NORTH AMERICAN VERTICAL DATUM 1988
CB	= CATCH BASIN	OR	= OFFICIAL RECORDS BOOK
Δ	= DELTA ANGLE	PB	= PLAT BOOK
℄	= CENTER LINE	PG	= PAGE
CONC	= CONCRETE	R/W	= RIGHT OF WAY
CMP	= CORRUGATED METAL PIPE	RCP	= REINFORCED CONCRETE PIPE
CPP	= CORRUGATED PLASTIC PIPE	RNG	= RANGE
DUE	= DRAINAGE AND UTILITY EASEMENT	S/W	= SIDEWALK
ELEV	= ELEVATION	SEC	= SECTION
EOP	= EDGE OF PAVEMENT	TOB	= TOP OF BANK
EXIST	= EXISTING	TOE	= TOE OF SLOPE
FIRC	= FOUND IRON ROD AND CAP	TWP	= TOWNSHIP
INST#	= INSTRUMENT NUMBER	(TYP)	= TYPICAL
INV	= INVERT ELEVATION		

⊙	= FOUND MONUMENT
OE	= OVERHEAD UTILITY LINE
+20.0'	= SPOT ELEVATION
	= WIRE PULL BOX
	= MANHOLE STORM WATER

TOPOGRAPHIC SURVEY-PLAN VIEW

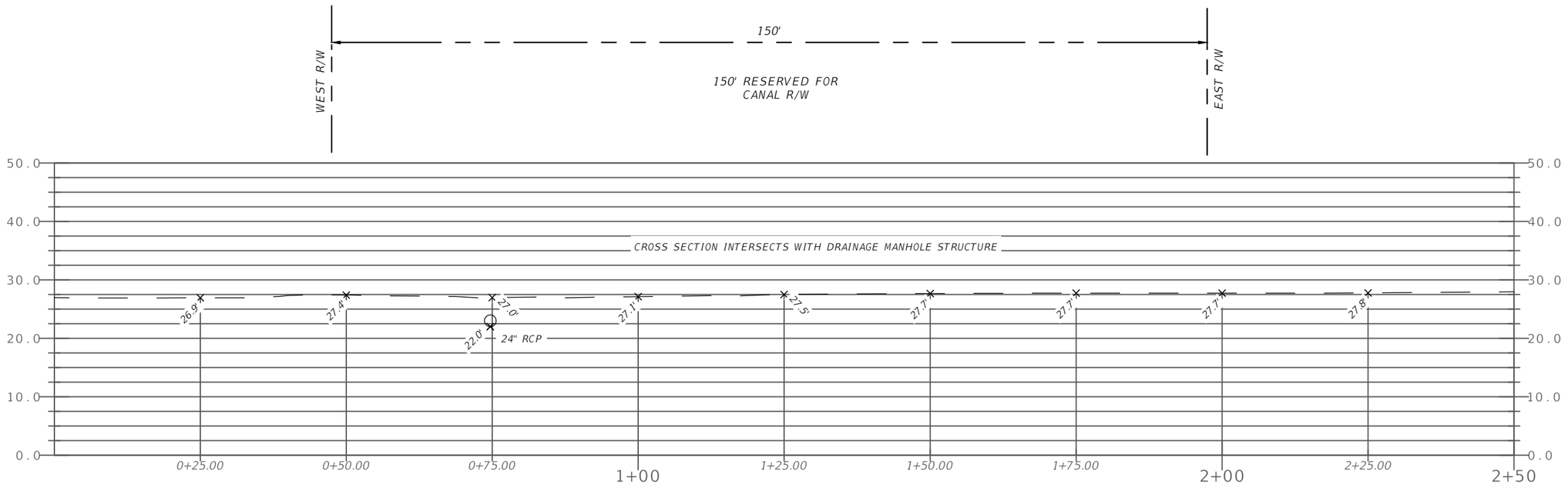
McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name:	Field book/page:	Project No.:
L029-352 Genoa Ave S.dwg	106981-1/29	106980001-L029

Survey date:	Drawn by:	Checked by:	Sheet No.:
12/11/2025	KB	TJH	01 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L029-352 GENOA AVE S\L029-352 Genoa Ave S.dwg

Topographic Survey of a
Subject Project Site
Section 11&12, Township 45 South, Range 27 East
Lehigh Acres, Lee County, Florida



A-A Profile View
1" = 20' HORIZONTAL
1" = 20' VERTICAL

SEE SHEET 01 FOR LEGEND

Summa Boulevard, Lehigh Acres

TOPOGRAPHIC SURVEY-PROFILE VIEW

McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

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Survey date:	Drawn by:	Checked by:	Sheet No.:
12/11/2025	KB	TJH	02 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L029-352 GENOA AVE S\L029-352 Genoa Ave S.dwg

NOTE:

1. This Index applies to Two-Lane, Two-Way and Multilane Roadways, including Medians of divided roadways, with work on the shoulder.

2. L = Taper Length
   X = Work Zone Sign Spacing
   B = Buffer Length
   See Index 102-600 for "L", "X", "B", and channelizing device spacing values.

3. Where work activities are between 2' and 15' from the edge of traveled way, the Engineer may omit signs and channelizing devices for work operations 60 minutes or less.

4. When four or more work vehicles enter the through traffic lanes in a one hour period (excluding establishing and terminating the work area), use a flagger or lane closure to accommodate work vehicle ingress and egress.

5. For work less than 2' from the traveled way and work zone speed is greater than 45 MPH, use a lane closure.

6. The "Speeding Fines Doubled When Workers Present" signs (M0T-13-06) and "End Road Work" Signs (G20-2) along with the associated work zone sign spacing distances may be omitted when the work operation is in place for 24 hours or less.

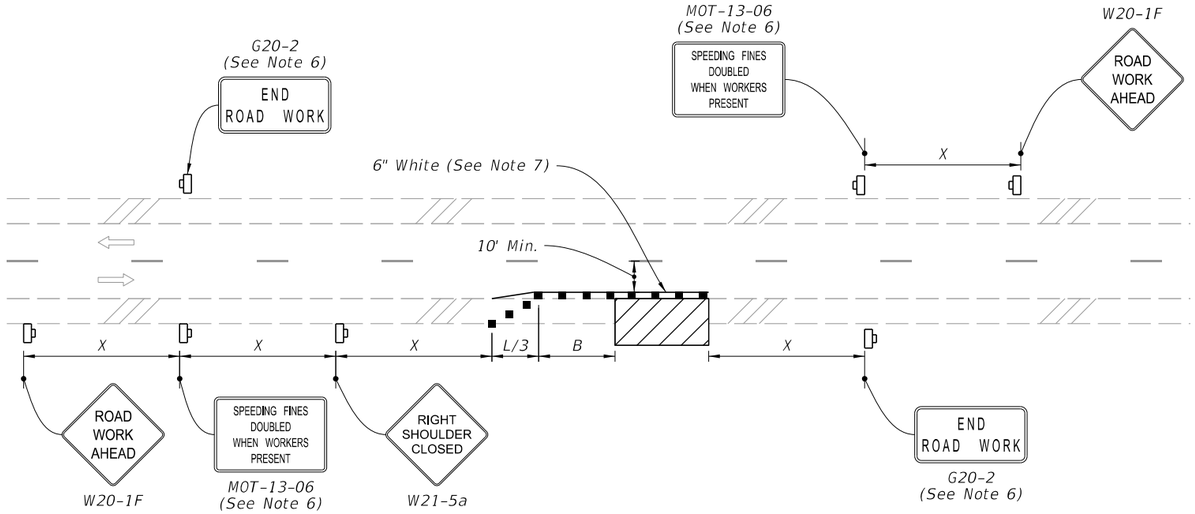
7. Temporary pavement markings may be omitted when the work operation is in place for 3 days or less.

8. Omit "Shoulder Closed" signs (W21-5a) along with associated work zone sign spacing distances for work on the median.

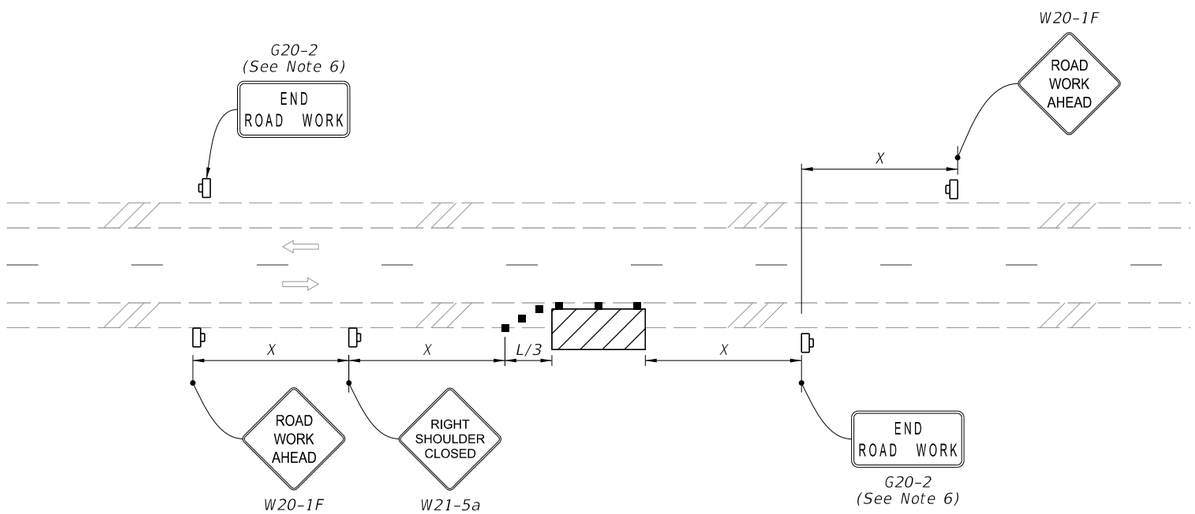
9. When there is no paved shoulder, the "Worker" sign (W21-1) may be used instead of the "Shoulder Closed" sign (W21-5a).

SYMBOLS:

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Lane Identification and Direction of Traffic



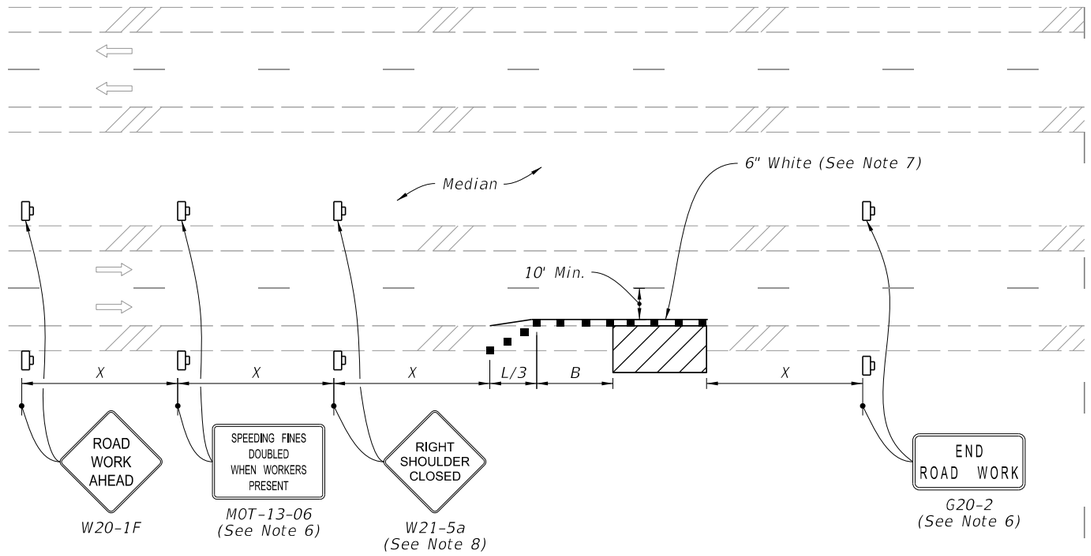
TWO-LANE ROADWAY
SHOULDER WORK LESS THAN 2' FROM THE TRAVELED WAY
WITH WORK ZONE SPEED OF 45 MPH OR LESS



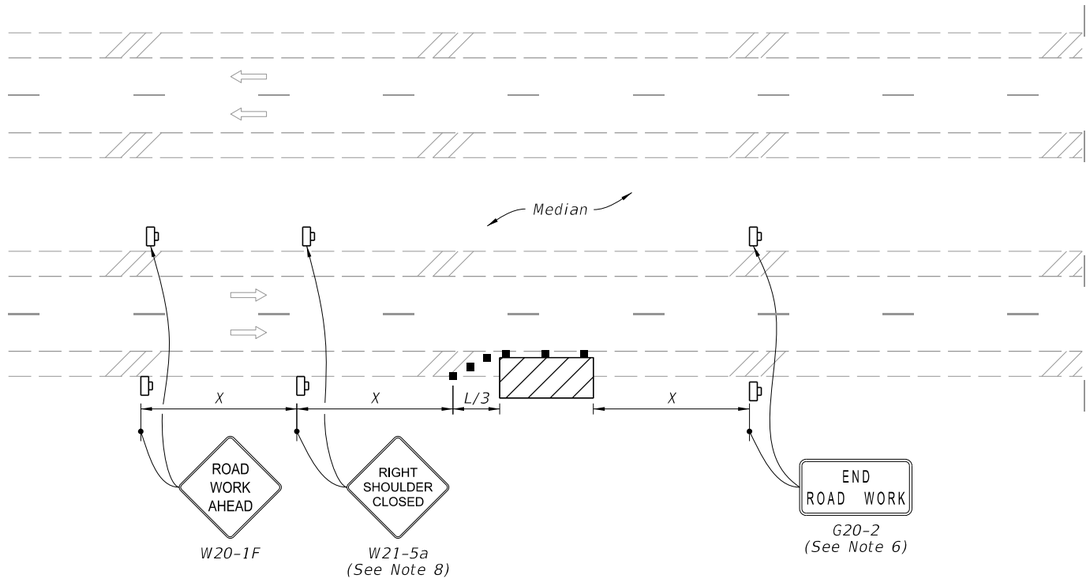
TWO-LANE ROADWAY
SHOULDER WORK BETWEEN 2' AND 15' FROM THE TRAVELED WAY

9/10/2024 10:45:37 AM

LAST REVISION	REVISION	DESCRIPTION:			INDEX	SHEET
11/01/21			FY 2025-26 STANDARD PLANS	TWO-LANE AND MULTILANE, WORK ON SHOULDER	102-602	1 of 2



MULTILANE ROADWAY
SHOULDER WORK LESS THAN 2' FROM THE TRAVELED WAY
WITH WORK ZONE SPEED OF 45 MPH OR LESS



SYMBOLS:

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Lane Identification and Direction of Traffic

MULTILANE ROADWAY
SHOULDER WORK BETWEEN 2' AND 15' FROM THE TRAVELED WAY

9/10/2024 10:45:44 AM

LAST REVISION	REVISION	DESCRIPTION:				
11/01/20			FDOT FY 2025-26 STANDARD PLANS	TWO-LANE AND MULTILANE, WORK ON SHOULDER	INDEX 102-602	SHEET 2 of 2

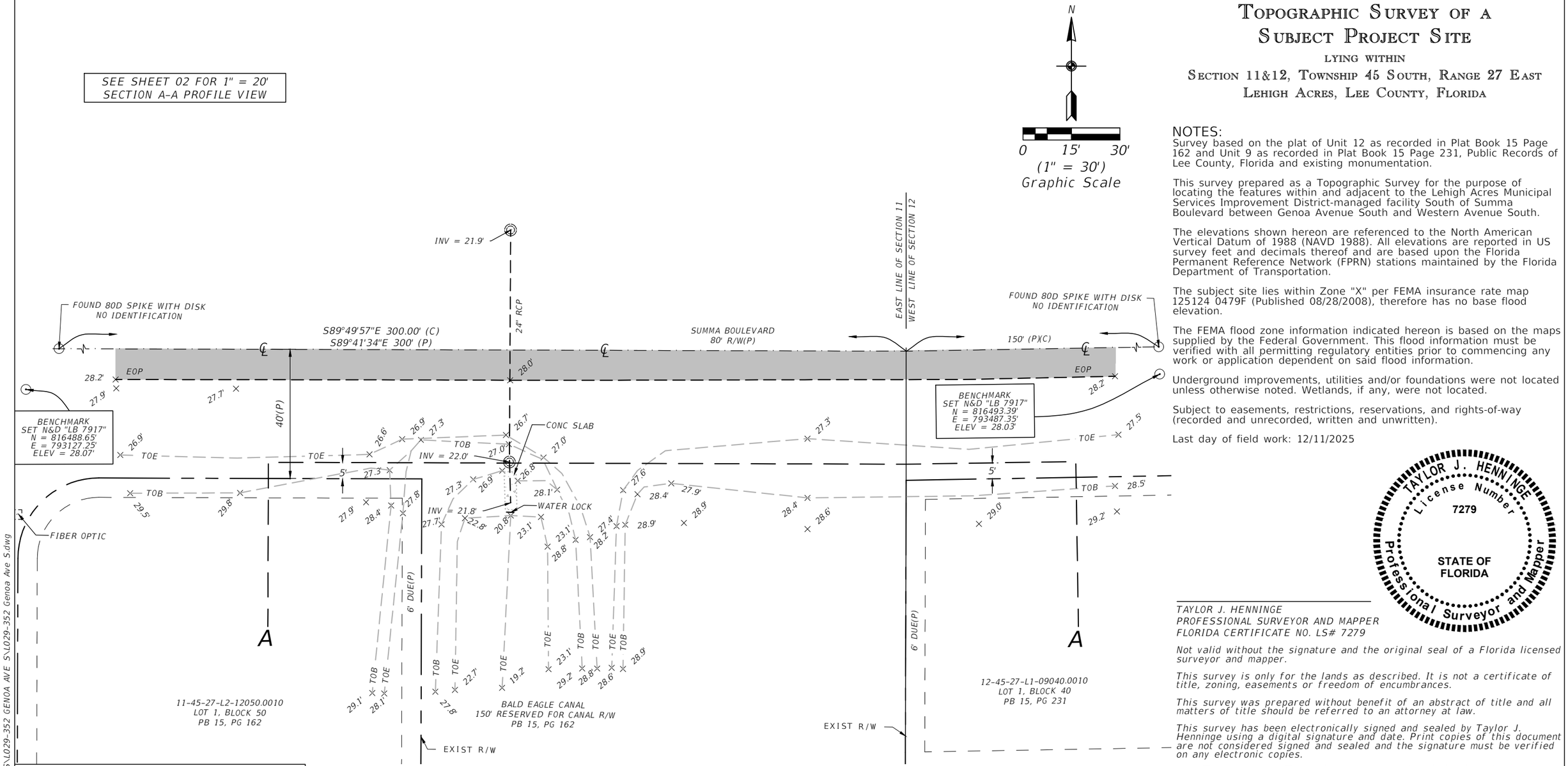
Topographic Survey of a Subject Project Site

lying within

Section 11&12, Township 45 South, Range 27 East

Lehigh Acres, Lee County, Florida

SEE SHEET 02 FOR 1" = 20'
SECTION A-A PROFILE VIEW



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The subject site lies within Zone "X" per FEMA insurance rate map 125124 0479F (Published 08/28/2008), therefore has no base flood elevation.

The FEMA flood zone information indicated hereon is based on the maps supplied by the Federal Government. This flood information must be verified with all permitting regulatory entities prior to commencing any work or application dependent on said flood information.

Underground improvements, utilities and/or foundations were not located unless otherwise noted. Wetlands, if any, were not located.

Subject to easements, restrictions, reservations, and rights-of-way (recorded and unrecorded, written and unwritten).

Last day of field work: 12/11/2025

TAYLOR J. HENNINGE
License Number
7279
STATE OF FLORIDA
Professional Surveyor and Mapper

TAYLOR J. HENNINGE
PROFESSIONAL SURVEYOR AND MAPPER
FLORIDA CERTIFICATE NO. LS# 7279

Not valid without the signature and the original seal of a Florida licensed surveyor and mapper.

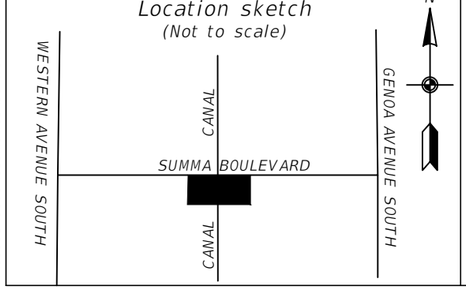
This survey is only for the lands as described. It is not a certificate of title, zoning, easements or freedom of encumbrances.

This survey was prepared without benefit of an abstract of title and all matters of title should be referred to an attorney at law.

This survey has been electronically signed and sealed by Taylor J. Henninge using a digital signature and date. Print copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Summa Boulevard, Lehigh Acres

Location sketch
(Not to scale)



LEGEND:

(C)	= CALCULATED	N&D	= NAIL AND DISK
(F)	= PER PLAT	NAVD 88	= NORTH AMERICAN VERTICAL DATUM 1988
CB	= CATCH BASIN	OR	= OFFICIAL RECORDS BOOK
Δ	= DELTA ANGLE	PB	= PLAT BOOK
℄	= CENTER LINE	PG	= PAGE
CONC	= CONCRETE	R/W	= RIGHT OF WAY
CMP	= CORRUGATED METAL PIPE	RCP	= REINFORCED CONCRETE PIPE
CPP	= CORRUGATED PLASTIC PIPE	RNG	= RANGE
DUE	= DRAINAGE AND UTILITY EASEMENT	S/W	= SIDEWALK
ELEV	= ELEVATION	SEC	= SECTION
EOP	= EDGE OF PAVEMENT	TOB	= TOP OF BANK
EXIST	= EXISTING	TOE	= TOE OF SLOPE
FIRC	= FOUND IRON ROD AND CAP	TWP	= TOWNSHIP
INST#	= INSTRUMENT NUMBER	(TYP)	= TYPICAL
INV	= INVERT ELEVATION		

= FOUND MONUMENT
OE = OVERHEAD UTILITY LINE
+20.0 = SPOT ELEVATION
= WIRE PULL BOX
= MANHOLE STORM WATER

TOPOGRAPHIC SURVEY-PLAN VIEW

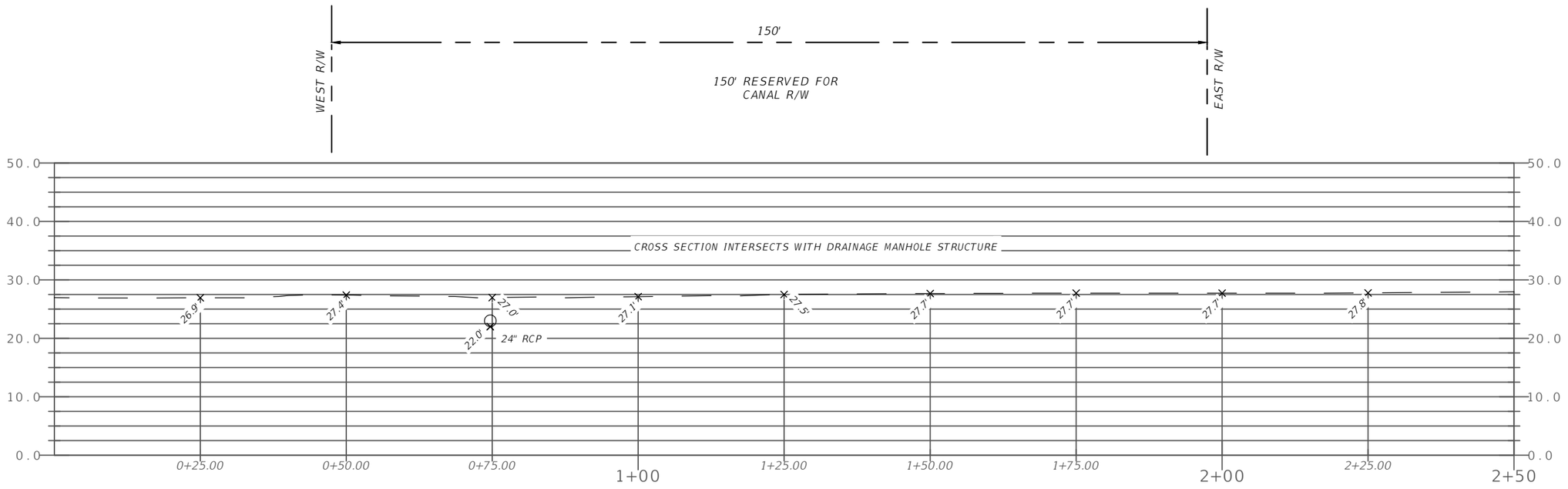
McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name:	Field book/page:	Project No.:
L029-352 Genoa Ave S.dwg	106981-1/29	106980001-L029

Survey date:	Drawn by:	Checked by:	Sheet No.:
12/11/2025	KB	TJH	01 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L029-352 GENOA AVE S\L029-352 Genoa Ave S.dwg

Topographic Survey of a
Subject Project Site
Section 11&12, Township 45 South, Range 27 East
Lehigh Acres, Lee County, Florida



A-A Profile View
1" = 20' HORIZONTAL
1" = 20' VERTICAL

SEE SHEET 01 FOR LEGEND

Summa Boulevard, Lehigh Acres

TOPOGRAPHIC SURVEY-PROFILE VIEW

McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

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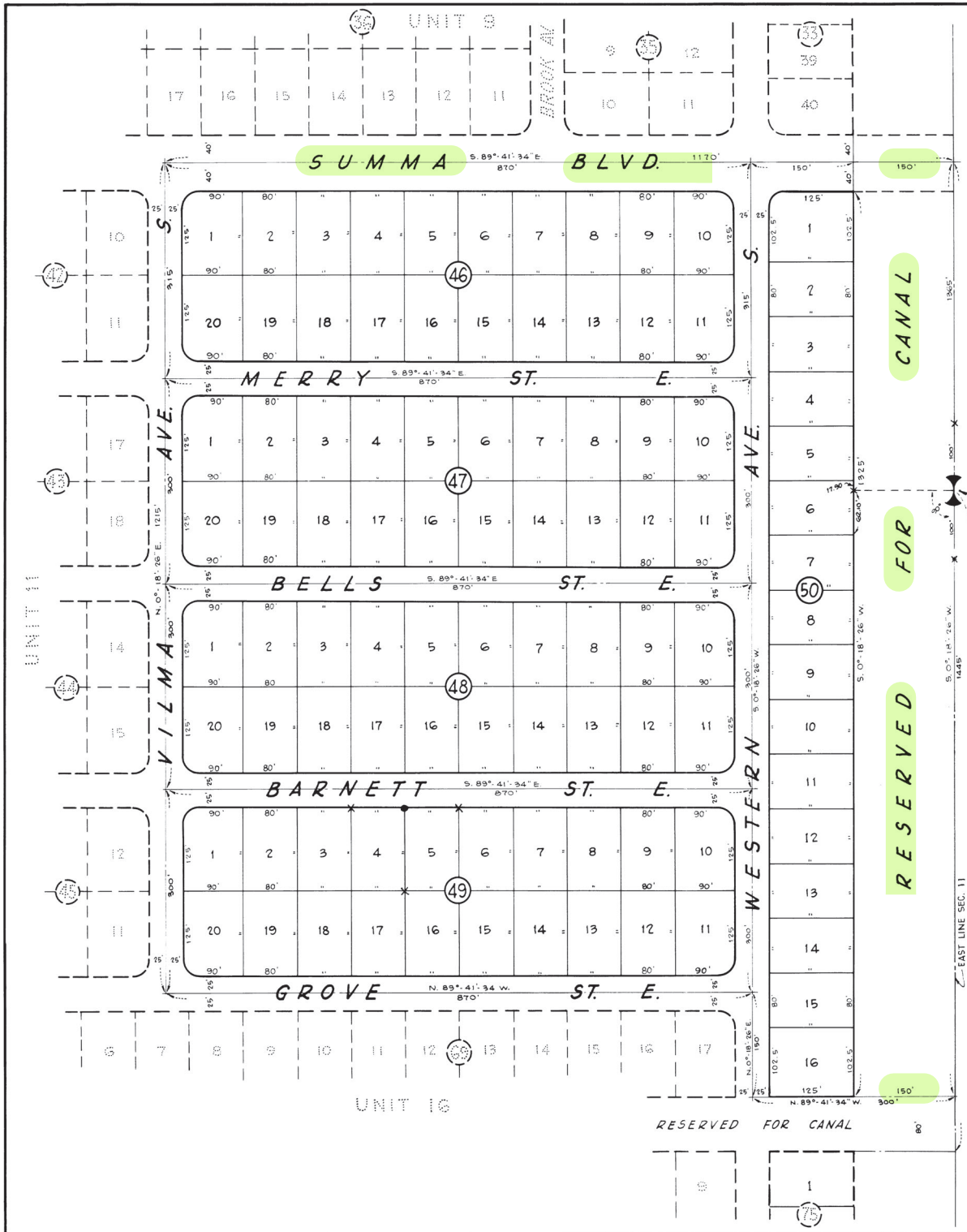
Survey date:	Drawn by:	Checked by:	Sheet No.:
12/11/2025	KB	TJH	02 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L029-352 GENOA AVE S\L029-352 Genoa Ave S.dwg

PLAT BOOK 15 PAGE 162



PLAT OF UNIT 12
SECTION 11, TWP. 45 S., RGE. 27 E.
A SUBDIVISION OF

LEHIGH ACRES

LEE COUNTY, FLORIDA.

100 50 0 100 200
SCALE IN FEET

All lots subject to a 6 foot Utility Easement on both sides and back, and a 6 foot Drainage Easement on the front and sides of lot on 50 foot R/W.

Interior P.R.M.s are 4"x4"x24" concrete.

• Denotes P.R.M.s

All corner lot radii are 25 feet, except as shown and the lot dimensions are to the straight line intersections, except where arc distances are shown.

All Canals to be dedicated to East County Water Control District.

x Witness Monument.

PLAT OF SECTION 11

A SUBDIVISION OF

LEHIGH ACRES

LEE COUNTY, FLORIDA

LEE COUNTY LAND AND TITLE COMPANY

DEVELOPERS

DESCRIPTION

ALL OF SECTION 11, TOWNSHIP 45 SOUTH, RANGE 27 EAST, LEE COUNTY, FLORIDA

KNOW ALL MEN BY THESE PRESENTS, THAT LEE COUNTY LAND AND TITLE COMPANY, A CORPORATION UNDER THE LAWS OF FLORIDA, BEING THE OWNER OF THE LAND DESCRIBED IN THE CAPTION HEREON HAS CAUSED THIS **PLAT OF SECTION 11,** LEHIGH ACRES TO BE MADE AND DO HEREBY DEDICATE TO THE PERPETUAL USE OF THE PUBLIC STREETS, ROADS, DRIVES AND/OR LANES SHOWN HEREON. ALL CANAL RIGHTS OF WAY ARE HEREBY DEDICATED TO THE EAST COUNTY WATER CONTROL DISTRICT.

IN WITNESS WHEREOF GERALD H. GOULD AND EDWARD SHAPIRO, RESPECTIVELY PRESIDENT AND SECRETARY OF LEE COUNTY LAND AND TITLE COMPANY, BY AND WITH AUTHORITY OF IT'S BOARD OF DIRECTORS HAVE EXECUTED THESE PRESENTS FOR AND ON BEHALF OF SAID CORPORATION AND CAUSED IT'S CORPORATE SEAL TO BE AFFIXED THIS 19 DAY OF December A.D. 1962

LEE COUNTY LAND AND TITLE CO.

BY Gerald H. Gould
President

ATTEST: Edward Shapiro
Secretary

STATE OF FLORIDA
COUNTY OF LEE

I HEREBY CERTIFY THAT ON THIS DAY, BEFORE ME AN OFFICER DULY AUTHORIZED TO TAKE ACKNOWLEDGEMENTS, PERSONALLY APPEARED GERALD H. GOULD AND EDWARD SHAPIRO, RESPECTIVELY PRESIDENT AND SECRETARY OF LEE COUNTY LAND AND TITLE COMPANY, TO ME KNOWN TO BE THE PERSONS DESCRIBED IN AND WHO EXECUTED THE FOREGOING DEDICATION AS PRESIDENT AND SECRETARY RESPECTIVELY OF LEE COUNTY LAND AND TITLE COMPANY FOR THE PURPOSES THEREIN SET FORTH.

WITNESS MY HAND AND OFFICIAL SEAL AT FORT MYERS, SAID COUNTY AND STATE THIS 19th DAY OF December A.D. 1962

Jean Welchle
NOTARY PUBLIC, STATE OF FLORIDA AT LARGE
My Commission Expires July 19, 1964

ALL BEARINGS ARE FROM TRUE MERIDIAN BASED ON OBSERVATION OF POLARIS AT S.W. CORNER OF SECTION 30, TOWNSHIP 44 S., RANGE 27 E., LEE COUNTY, FLORIDA

APPROVALS

THIS PLAT APPROVED THIS 19th DAY OF Dec. A.D. 1962 IN OPEN MEETING OF THE BOARD OF COUNTY COMMISSIONERS OF LEE COUNTY, FLORIDA

APPROVED George S. Hunter
Chairman
D. L. Farabee
Clerk

Frank H. Pavese
County Attorney
[illegible]
County Engineer

I HEREBY CERTIFY THAT THIS **PLAT OF SECTION 11,** LEHIGH ACRES, HAS BEEN EXAMINED BY ME AND FROM MY EXAMINATION I FIND THAT SAID PLAT COMPLIES IN FORM WITH THE REQUIREMENTS OF SURVEY LAWS OF FLORIDA.

I FURTHER CERTIFY THAT SAID PLAT WAS FILED FOR RECORD AT FORT MYERS THIS 31st DAY OF Dec. A.D. 1962, AND DULY RECORDED IN PLAT BOOK 15 ON PAGE 148-168 OF PUBLIC RECORDS OF LEE COUNTY, FLORIDA

D. L. Farabee
Clerk Of The Circuit Court In And For Lee County

CERTIFICATE OF SURVEY

I HEREBY CERTIFY THAT THIS PLAT IS A CORRECT REPRESENTATION OF A SURVEY MADE UNDER MY DIRECTION AND THAT PERMANENT REFERENCE MONUMENTS HAVE BEEN PLACED AS SHOWN

K. V. Lamme
FLORIDA REGISTERED LAND SURVEYOR No. 1196

THE OWNER DOES HEREBY DEDICATE TO THE PERPETUAL USE OF THE EAST COUNTY WATER CONTROL DISTRICT THE CANAL RIGHTS OF WAY SHOWN HEREON AND ALL PRESENT AND FUTURE WORKS BUILT OR CONSTRUCTED WITHIN THESE RIGHTS OF WAY SHALL BE OWNED AND MAINTAINED BY SAID EAST COUNTY WATER CONTROL DISTRICT.

PART IV #26-107

Recommended Action

Engineering Review:

By: _____6/18/2026 **Approved _X_ Denied __**

District Field Review:

By: _____ **Approved ___ Denied ___**

District Manager: _____ **Date**: _____

Comments:

The referenced permit application submitted by Lumos Fiber of Florida, LLC for a subaqueous crossing under Bald Eagle Canal (57-11-1) at 352 Genoa Summa Blvd. in Lehigh Acres, has been reviewed and is recommended for approval with the following stipulations:

1. On sheet 7 of the plans, please remove or modify dimensions of 15.9' and 16.2', as well as make the bore elevations (11.5') more noticeable to avoid construction site mistakes.

2. On sheet 7 of the plans, minimum 10' offset from canal bottom, Disturbed R/W sodding requirements, and 48" minimum bore offsets from pavement notes are missing, please revise.

3. On sheet 11 of the plans, the culvert crossing detail specifies 24" minimum offset from culvert, if the detail is depicting a canal crossing, the offset should be 120" or 10'. If not, please include a note to clarify that the details do not apply to LA-MSID canal crossing.

4. Permanent above-ground cable markers must be placed at the canal right-of-way (R/W) line on each side of the crossing.

5. Any disturbed canal R/W must be restored with sod and maintained until fully established. Seeding will not be permitted.

6. Within 30 days of completing the improvements, provide LA-MSID with a copy of the survey record drawings indicating the location and elevation of utilities within the canal R/W.

7. The permittee will be responsible for any necessary repairs, alterations, or relocation of the utility if required for future maintenance or repairs of the canal.

8. Lee County DOT must review and approve any utility work proposed within the County Road R/W.

LEHIGH ACRES - MUNICIPAL SERVICES IMPROVEMENT DISTRICT
PERMIT

THIS PERMIT is granted this 20th day of July, 2026, by Lehigh Acres Municipal Services Improvement District (hereinafter referred to as "DISTRICT"), 601 East County Lane, Lehigh Acres, Florida 33936, to Lumos Fiber of Florida, LLC, 4100 Mendenhall Oaks Parkway, Suite 300, High Point, NC 27265, hereinafter referred to as the "Permittee") as a non-exclusive permit for a directional bore under Osprey Canal (57-1-2), along the west side of Columbus Blvd., between Randolph St. & Cherry St. E., in Lehigh Acres, FL.

W I T N E S S E T H:

1. In the event the DISTRICT is not the fee title owner of the real property (the "Property") to which this Permit is applicable, the Permittee agrees, prior to commencement, to obtain all necessary consents from the fee title owners of the Property.

2. This Permit does not constitute a waiver of the necessity by the Permittee to obtain such other necessary and appropriate permits required by other governmental bodies or agencies; therefore the Permittee, prior to commencement, is required to obtain any and all other applicable federal, state, and local permits required in connection with Permittee's use of the Property and agrees that at all times it will comply with the requirements of all federal, state and local laws, ordinances, rules and regulations applicable or pertaining to the use of the Property by the Permittee.

3. Permittee understands and agrees that the use of the Property pursuant to this Permit is subordinate to the rights and interests of the DISTRICT and to the extent applicable that of the fee title owner of the Property. Further, Permittee does hereby stipulate that the Permittee is not relying upon any representations whatsoever by the DISTRICT regarding the DISTRICT'S right, title, interest, or ownership as to the Property for which this Permit is applicable.

4. The Permittee, by accepting this permit, specifically agrees to allow authorized District Personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:
    a. Having access to and copying any records that must be kept under the conditions of the permit:
    b. Reviewing the facility, equipment, practices, or operations regulated or required under this permit; and
    c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or District rules.

5. The DISTRICT specifically reserves the right to maintain its facilities located over, under or upon the Property; to make improvements; add additional facilities; maintain, construct or alter its roads; maintain any facilities, devices, or improvements on the Property which aid in or are necessary to the DISTRICT'S operation; and the right to enter upon the Property at all times for such purposes. Permittee understands that in the exercise of such rights and interest, the DISTRICT may require Permittee, at no cost to DISTRICT, to relocate, alter, or remove the Permittee's facilities and equipment or other improvements made by Permittee pursuant to this Permit which interfere with or prevent the DISTRICT, in the DISTRICT'S opinion, from properly and faithfully constructing, improving and maintaining its facilities. If the Permittee should fail to relocate, alter, or remove the Permittee's facilities, equipment or other improvements made by the Permittee pursuant to this Permit within a reasonable time period following receipt of notice from the DISTRICT requesting same, then in that event the DISTRICT shall have the right to enter upon the lands and make such relocation, alterations or removal of the Permittee's facilities, equipment/or other improvements at no cost to DISTRICT.

6. Permittee agrees that it will not use the Property in any manner which interferes with the DISTRICT'S

use of the Property or causes a hazardous condition to exist.

7. The DISTRICT assumes no responsibility for the ownership, operation and/or maintenance of the Permittee's facilities as permitted herein.

8. The Permittee agrees to backfill any excavation it makes within the Property and to repair or replace (i) any below-grade authorized facilities and features located therein, including but not limited to: water, sewer, stormwater or irrigation facilities, structures or appurtenances and (ii) as to at or above-grade facilities and features, this requirement shall only be applicable to grasses and sod, sidewalks, and roadway improvements (the term roadway improvements shall include but not be limited to curbing, roadway base, sub grade and asphaltic or concrete surfaces) which are removed or damaged as a direct result of said excavation. Such repair or replacement shall substantially restore these features to their condition as it existed immediately prior to the event precipitating the excavation.

9. All below-grade Permittee installations, including water and sewer lines, whether sub aqueous or not, together with appurtenant facilities, shall be located underground and have a minimum ground cover of thirty inches (30") below original design profile grade, including District waterways and roadways.

10. All Permittee activity related to sub aqueous utility, water and/or sewer lines, including appurtenant facilities, shall be conducted in such fashion that the primary functional purpose of the canal or lake body facility, specifically flood control, within which the activity is taking place is not adversely affected. More specifically, sub aqueous construction shall conform to the criteria given in the Lehigh Acres Municipal Services Improvement District (Lehigh Acres – MSID) Administrative Policy and Procedures.

11. Permittee shall, at no expense to DISTRICT and within a reasonable time following notice, adjust the positions and elevations of its facilities as may be required in connection with future improvements to, or construction of, works of the DISTRICT.

12. Permittee does hereby indemnify and hold harmless the DISTRICT, its Board of Commissioners, officers, personnel, and it's Engineers against any claims, losses, damages (including consequential), expenses, or legal fees that might arise out or result from the implementation of the proposed project by the Permittee or that may be caused by a failure of DISTRICT facilities or property.

13. The Permittee shall be obligated at the time of submission of its Permit application, to provide a detail of any other existing improvements located over, under, upon or through the Property and the Permittee's accompanying plans and specifications shall clearly indicate how the Permittee will comply with required clearances between the requested permitted activity and existing improvements located over, under and upon the Property, including compliance with other permitted users duly adopted and published standards.

14. Permittee shall reimburse the DISTRICT for its legal, engineering and other expenses incurred as a result of the implementation of the proposed project.

15. If Permittee should violate any of the terms or conditions of the Permit and shall not correct or remedy same within ten (10) days of receiving written notice of said violation from the DISTRICT, then in that event, the DISTRICT may, at its option, revoke, cancel and terminate this Permit.

16. This Permit may not be assigned by the Permittee without the prior written approval of the DISTRICT.

17. Unless otherwise adjusted, modified or terminated as set forth hereinabove, including the Conditions attached hereto, this Permit shall continue in full force and effect so long as Permittee complies with the

terms of this Permit.

18. In any litigation, including breach, enforcement or interpretation arising out of this Permit, the prevailing party to this Permit shall be entitled to recover reasonable attorney's fees, costs and expenses related to said action from the non-prevailing party.

19. That attached hereto are Supplemental Conditions to this Permit which are incorporated herein and made a part hereof.

LEHIGH ACRES – MUNICIPAL SERVICES IMPROVEMENT DISTRICT

BY: _____

NAME TYPED: David E. Lindsay

TITLE: District Manager

SUPPLEMENTAL CONDITIONS TO PERMIT NO. 26-108

A. GENERAL CONDITIONS

1. Notification shall be given by the Permittee to the District Engineer, AIM Engineering, at 239-332-4569 forty-eight (48) hours prior to commencement of the permitted activity. The District Engineer shall establish points of construction, if applicable, which will require inspection by the District Engineer prior to construction of the permitted activity. When the Permittee considers the permitted activity complete, the Permittee shall notify the District Engineer and schedule an on-site final inspection which shall be held in the presence of a representative of the Permittee and the District Engineer.

2. The permitted activity shall be implemented, constructed and/or installed in full accordance with the approved plans and specifications within six (6) full calendar years from the date of permit approval. Deviations from the approved plans or specifications shall be coordinated with and approved by the District Engineer prior to implementation of any such deviation.

3. When working in a District road right-of-way, not more than one-half (½) of the road or street shall be closed and traffic shall be controlled so as to provide for the safety and minimum hindrance to the public. All traffic control operations shall conform to the most current issue of the Florida Department of Transportation publication "Manual on Traffic Controls and safe Practices for Street and Highway Construction, Maintenance and Utility Operations."

4. The District Engineer shall be the final authority as to the quality and quantity of the material and works required to satisfy the terms and conditions of this Permit as they relate to District improvements and facilities.

5. Upon completion of the permitted activity and after its final review and acceptance by the District Engineer THE PERMITTEE SHALL DELIVER TO THE DISTRICT OFFICE ONE COMPLETE SET OF THE FINAL "RECORD DRAWINGS." FAILURE TO PROVIDE THE FINAL RECORD DRAWINGS MAY RESULT IN THE REVOCATION, CANCELLATION AND TERMINATION OF THIS PERMIT.

6. The above Conditions shall be continuing obligations of the Permittee and shall be complied with in the event of any subsequent maintenance, repair, replacement or modification of the permitted improvement.

Stipulations:

1). Permit #26-108 is approved according to the plans submitted June 11th, 2026.

2). The proposed directional bore must maintain a minimum clearance of 10 feet below the bottom elevation of the canal for the entire 100' within the canal right of way.

3). Permanent utility markers, (at least 4' high) with the utility companies contact information clearly labeled on it, must be installed at each canal right of way line over top the proposed line.

4). All guy wires, poles, pull boxes, etc. must be located outside of the canal right of way and not interfere with the District's canal maintenance activities.

5). All canal R/W that is disturbed must be restored with sod and maintained until well established (no seeding will be allowed).

6). Boring contractor is not allowed to pump water out of the LAMSID canals for their boring operations unless they apply for and receive a water use permit from LAMSID.

7). The Permittee will be responsible for any repairs, alterations, or relocation of the utility if required for repairs or maintenance of the canal in the future.

8). Provide LAMSID with a copy of your record drawings and a copy of your bore depth logs showing where your utilities are located within the canal R/W and at what elevation they are located, within 30 days following completion of the improvements.

9). Lee County DOT must review and approve the utility work that is outside of the canal right of way along Columbus Blvd.

05 - 28 - 26

Z6 - 108

APPLICATION FOR A PERMIT

*Note: The review of permit applications will be conducted per the Lehigh Acres Municipal Services Improvement District's Administrative Policy and Procedures

AGENT NAME: WILLIAM KIEFER **PHONE #:** (515) 306 - 3403

PROJECT NAME: LE1_007_FDH_004 1203 CHERRY ST E COLUMBUS BLVD S OSPREY CANAL 57-1-2

TOTAL ACREAGE: N/A

Property Address (STRAP associated with this address will be used as the primary STRAP for this project): 1203 CHERRY ST E					
Mailing Address:	N/A				
City:	LEHIGH ACRES	**State:**	FLORIDA	**Zip:**	33974

STRAP NUMBERS (*attach additional sheet if necessary*):

12 - 45 - 27 - L1 - 03020 - 0010

Brief description of proposed project:

Application for: DIRECTIONAL BORE 2x1.25" HDPE SDR 11 CONDUIT 100' IN THE LAMSID ROW OF OSPREY CANAL 57-1-2 ALONG COLUMBUS BLVD

RECEIVED
JUN 18 2026
MUNICIPAL SERVICES IMPROVEMENT DISTRICT

Is the project proposed to be developed in phases? ☐ Yes ☑ No

Estimated # of Phases:	1
***Permit Fee:**	$2250.00 **(to be verified by staff)**

* See Administrative Policy and Procedures Sections 4.15 – 4.17 for current Permit Fee Amount.

PART II

OWNER/APPLICANT/ DEVELOPER INFORMATION

A.

Name of Applicant	LUMOS FIBER OF FLORIDA, LLC				
Mailing Address:	**Street:**	4100 MENDENHALL OAKS PKWY, SUITE 300			
City:	HIGH POINT	**State:**	NORTH CAROLINA	**Zip:**	27265
Phone No.	**Area Code:** 515	**Number:**	306 - 3403	**Ext.**	
Fax No.	**Area Code:**	**Number:**	-		
E-mail Address:	WILLIAM.KIEFER@LUMOSFIBER.COM				

B. Relationship of applicant to property*:
Owner* ☐ **Trustee*** ☐ **Option holder*** ☐ **Lessee*** ☐

Contract Purchaser* ☐ **Other (indicate)*** ☑ UTILITY

C.

Name of Developer:	MILENIUM DIRECTIONAL DRILLING, INC				
Mailing Address:	**Street:**	5395 COGSWELL DR			
WAYNE		**State:**	MI	**Zip:**	48184
	Area Code: (313)	**Number:**	326 - 2333	**Ext.**	
Fax No.	**Area Code:** ( )	**Number:**	-		
E-mail Address:	FELECAND@MILENIUMBORS.COM				

D.

Name of Authorized Agent(s):	CENTILLION SOLUTIONS						
Mailing Address:	**Street:**	6030 BETHELVIEW RD, SUITE 301					
City:	CUMMING	**State:**	GEORGIA		**Zip:**	30040	
Phone No.	**Area Code:**	(480)	**Number:**	442 - 0562	**Ext.**		
Fax No.	**Area Code:**	( )	**Number:**	-			
E-mail Address:	KYLE.PARKEY@CENTILLIONSOLUTIONS.COM						

E.

Name of Property owner:	N/A						
Mailing Address:	**Street:**						
City:		**State:**			**Zip:**		
Phone No.	**Area Code:**	( )	**Number:**	-	**Ext.**		
Fax No.	**Area Code:**	( )	**Number:**	-			
E-mail Address:							

*A disclosure of the name of all persons or entities having an ownership interest in the property is required (attached).

PART III

DISCLOSURE OF OWNERSHIP INTEREST FORM FORM:

	-	-	-	-	-

PRIMARY STRAP NUMBER:

1. If the property is owned in the fee simple by an **INDIVIDUAL**, tenancy by the entirety, tenancy in common, or joint tenancy, list all parties with an ownership interest as well as the percentage of such interest.

Name and Address	Percentage of Ownership

2. If the property is owned by a **CORPORATION**, list the officers and stockholders and the percentage of stock owned by each.

Name, Address, Office	Percentage of Stock

3. If the property is in the name of a **TRUSTEE**, list the beneficiaries of the trust with percentages of interest.

Name and Address	Percentage of Interest

4. If the property is in the name of a **GENERAL PARTNERSHIP OR LIMITED PARTNERSHIP**, list the names of general and limited partners.

Name and Address	Percentage of Interest

5. If there is a **CONTACT FOR PURCHASE**, whether contingent on this application Or not, and whether a Corporation, Trustee, or Partnership, list the names of the contract purchasers below, including the officers, stockholders, beneficiaries, or partners.

Name and Address	Percentage of Interest

Date of Contract (mm/dd/yy): / /

6. If any contingency clause or contract terms involve additional parties, list all individuals or officers, if a corporation, partnership, or trust.

Name and Address	Percentage of Interest

For any changes of ownership of changes in contracts for purchase subsequent to the date of the application, but prior to the date of final certificate for compliance, a supplemental disclosure of interest must be filed.

The above is a full disclosure of all parties of interest in this application, to the best of my knowledge and belief.

William Kiefer
SIGNATURE OF APPLICANT

WILLIAM KIEFER
PRINTED OR TYPED NAME OF APPLICANT

STATE OF FLORIDA
COUNTY OF LEE

The foregoing instrument was acknowledged before me this 17th day of June (m), 2026 (y), by William Kiefer who is personally know to me or has produced _____ as identification.

Shandie N Bradshaw
SIGNATURE OF NOTARY PUBLIC

Shandie N Bradshaw
PRINTED NAME OF NOTARY PUBL

SHANDIE NICOLE BRADSHAW NOTARY PUBLIC REG. #7132142 MY COMMISSION EXPIRES August 31, 2026 COMMONWEALTH OF VIRGINIA

PART IV

EXPLANATION

All Permit Application sections must be completed and submitted.

Permit Application fees and submittal items (see Part VI) must be submitted with the application.

Any and all work involving the lands and/or facilities of the District shall not commence without a Board approved permit.

All set policies, procedures, technical requirements, and fee schedules can be found and reviewed in the 'Administrative Policy and Procedures Guide'. The Guide is available at the District Office located at 601 East County Lane, Lehigh Acres, FL or online at la-msid.com/.

PART V

PROFESSIONAL CONSULTANT FORM

ATTORNEY

Name:					
Mailing Address:					
City:		**State:**		**Zip:**	
Business No.	**Area Code:** ( )	**Number:**	-	**Ext.**	
Other Contact:					

ENGINEER

Name:	MCKIM & CREED				
Mailing Address:	5701 DIVISION DR, STE A				
City:	FORT MYERS	**State:**	FLORIDA	**Zip:**	33905
Business No.	**Area Code:** (239)	**Number:**	980 - 3384	**Ext.**	
Other Contact:					

OTHER REPRESENTATIVE/PROFESSIONAL

Name:	BLAIR CONSULTING SERVICES, INC				
Mailing Address:	1428 SUNBLUSH LN				
City:	LAS VEGAS	**State:**	NV	**Zip:**	89117
Business No.	**Area Code:** (813)	**Number:**	579 - 0128	**Ext.**	
Other Contact:					

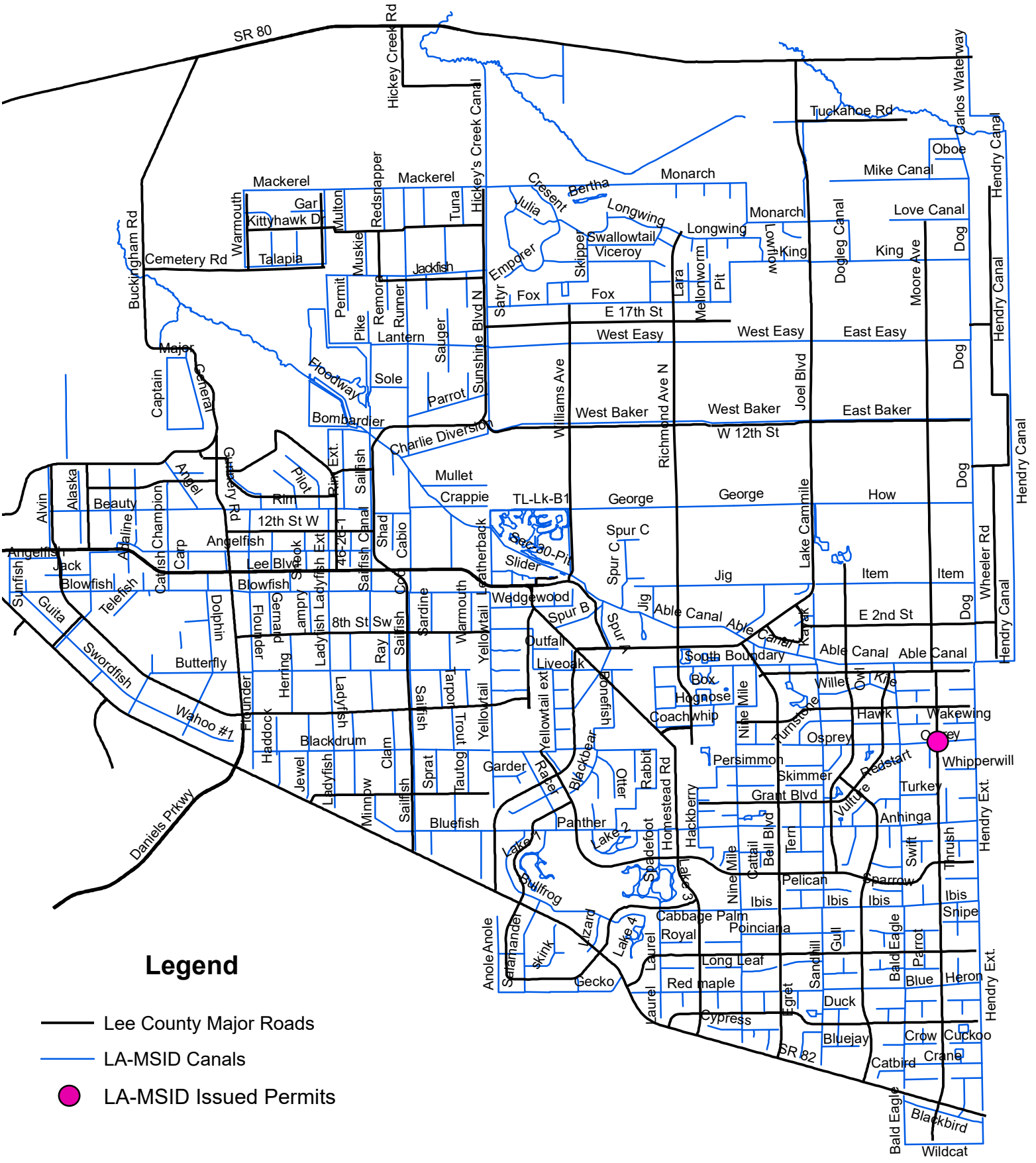
PART VI

SUBMITTALS

NO. OF COPIES		SUBMITTAL DOCUMENT
SUB'D	REQ'D	
		ITEMS REQUIRED FOR INITIAL SUBMITTAL
2	2	**Construction/Development Plans** signed and sealed by a Licensed Florida Professional Engineer including: 1. Location map showing the location of the proposed project in relation to adjacent streets and LA-MSID facilities. 2. Details of proposed works that fully communicate the work and/or use desired (i.e. Existing Conditions Survey, Proposed Site Plan, Paving Grading & Drainage Plan, Cross Sections, Element Details, and Erosion Control Plan sheets). 3. Sufficient survey data to determine elevations, property and ROW lines, limits of existing and proposed conditions, and notation of utilized vertical datum (NAVD/NGVD).
NA	2	**Stormwater Drainage Calculations** signed and sealed by a Licensed Florida Professional Engineer including, but not limited to, computer stormwater routing modeling data (ICPR4, Cascade, etc.) to verify compliance with the Design Criteria (input summary data below): **Water Quality Volume (Required):** _____(ACRE-FT) **Water Quality Volume (Provided):** _____(ACRE-FT) **Control Elevation:** _____(FT-NGVD) **Minimum Road/Parking Elevation:** _____(FT-NGVD) *(above the 10-year, 1-day design storm peak stage elevation)* **Minimum Perimeter Berm Elevation:** _____(FT-NGVD) *(above the 25-year, 3-day design storm peak stage elevation)* **Minimum Finished Floor Elevation:** _____(FT-NGVD) *(above the 100-year, 3-day design storm peak stage elevation and previously experienced high-water levels external to project)*
2	2	**Flash Drive / CD** containing plans in both AutoCAD (.dwg file drawn in "State Plane Coordinates") and PDF formats.
2	2	**Permit Application** (PARTS I & II)
2	2	**Disclosure of Owner Form (signed and notarized)** (PART III)
2	2	**Professional Consultant Form & Submittals** (PARTS V & VI)
NA	2	**Copy of Approved FDEP Notice of Intent (NOI)** for all sites one (1) acre and greater in size.
NA	2	**Copy of approved SWFMD permit**, for all sites required to get a permit, **or FDEP "10/2 Self-Certification"** approval.
1	1	**Check for appropriate Permit Fees** made out to LA-MSID.

Lehigh Acres Municipal Services Improvement District
♦601 East County Lane ♦Lehigh Acres, FL 33936 ♦Phone: (239) 368-0044

Permit # 2026-108

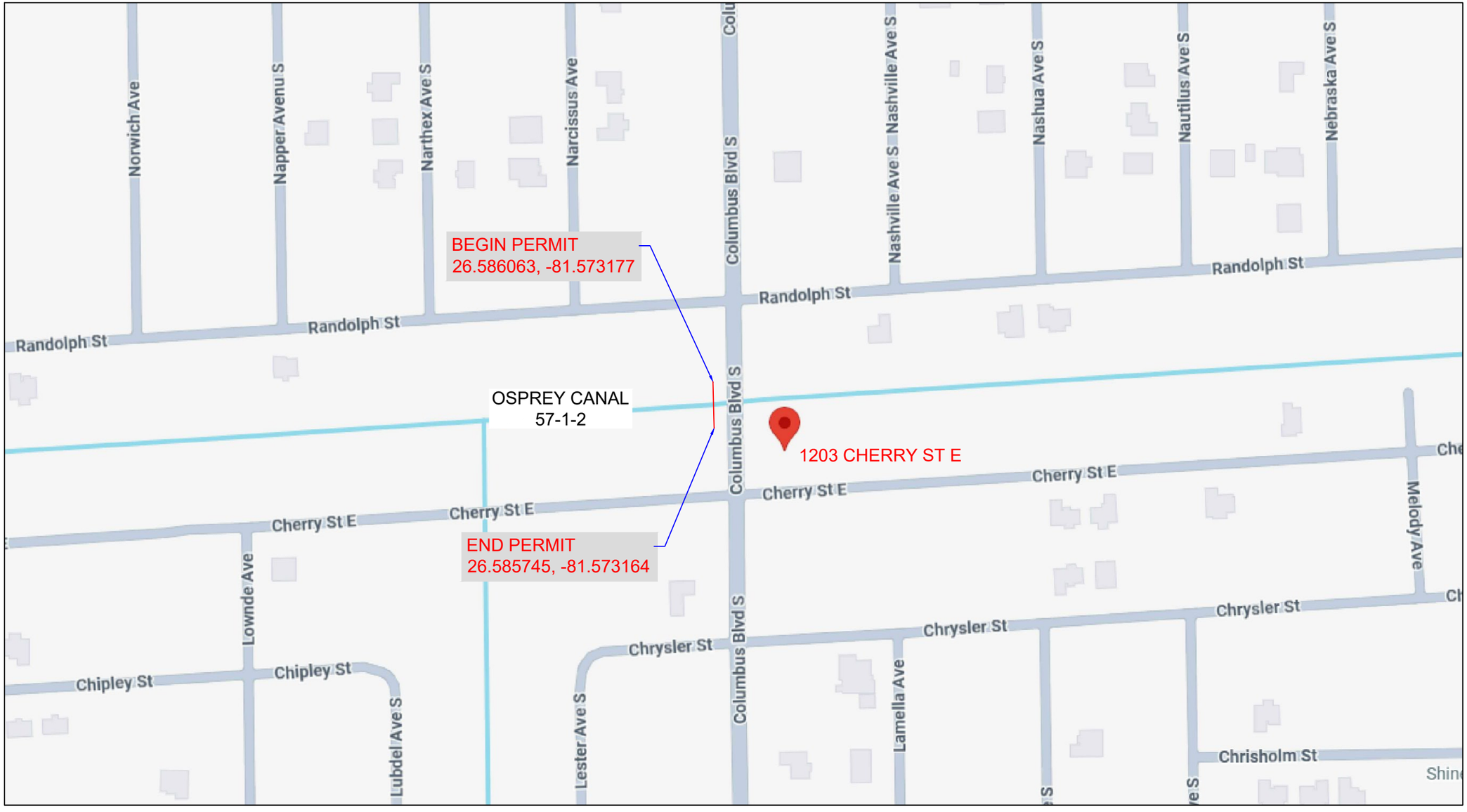


Legend

- Lee County Major Roads
- LA-MSID Canals
- LA-MSID Issued Permits

LE1_007_FDH_004 - LEHIGH ACRES_LEE COUNTY_FLORIDA - OSPREY CANAL

1203 CHERRY ST, LEHIGH ACRES, FL 33974 (26.585874, -81.573130)



PERMIT #:

PROJECT DESCRIPTION

- BURIED PLACEMENT OF 340' OF (2) 1.25" HDPE SDR 11 CONDUIT EQUIPPED WITH (1) 288-CT FIBER OPTIC CABLE. (0) PROPOSED HANDHOLES.
- PIPE TO BE INSTALLED BY MEANS OF HORIZONTAL DIRECTIONAL DRILLING AND HAND DIGGING METHODS.
- ALL AREAS DISTURBED BY INSTALLATION TO BE RESTORED TO EXISTING OR BETTER CONDITION.

DRAWING INDEX

SHEET NUMBER	SHEET TITLE	SHEET NUMBER	SHEET TITLE
1	COVER SHEET	7	PROFILE VIEW
2	SOW AND CONTACTS	8 - 9	IMAGES
3	LEGEND	10 - 12	TYPICALS
4 - 5	GENERAL NOTES		
6	PROJECT SHEETS		

PERMITTING AGENCY
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BLAIR CONSULTING SERVICES, Inc.

1428 SUNBLUSH LN
LAS VEGAS, NV 89117

811 Know what's below. Call before you dig.

Blair Consulting Services, INC
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fsperassi@gmail.com

LUMOS
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william.kiefer@lumosfiber.com
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Jason Bush - Construction Manager
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Phone: (941)812-2913

EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND BASED ON AVAILABLE RECORDS AND FIELD OBSERVATIONS. CONTRACTOR IS RESPONSIBLE FOR CALLING 811 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES AND ANY DAMAGE TO THE UTILITIES SHALL BE IMMEDIATELY REPAIRED AT THE CONTRACTOR'S EXPENSE.

REVISION DATA

NO.	DESCRIPTION	BY	DATE
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SHEET TITLE: COVER SHEET

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_007_FDH_004
DESCRIPTION:	OSPREY CANAL
DRAWING NAME:	LE1_007_FDH_004 - LEHIGH ACRES_LEE COUNTY_FLORIDA - OSPREY CANAL
SHEET:	1 OF 12

SCOPE OF WORK

- BURIED PLACEMENT OF 340' OF (2) 1.25" HDPE SDR 11 CONDUIT EQUIPPED WITH (1) 288-CT MICROFIBER OPTIC CABLE. (0) PROPOSED HANDHOLES.
- PIPE TO BE INSTALLED BY MEANS OF HORIZONTAL DIRECTIONAL DRILLING AND HAND DIGGING METHODS.
- ALL AREAS DISTURBED BY INSTALLATION TO BE RESTORED TO EXISTING OR BETTER CONDITION.

UTILITY OWNER CONTACTS

LUMOS
William Kiefer - OSP Project Engineer
William.kiefer@lumosfiber.com
Phone: (515) 306-3403

Jason Bush - Construction Manager
jason.bush@lumosfiber.com
Phone: (941)812-2913

ENGINEERING COMPANY

Blair Consulting Services, INC
1428 Sunblush Ln,
Las Vegas, NV 89117

PROJECT MANAGER
Fabio Perassi
813-579-0128
fsperassi@gmail.com

UTILITIES CONTACTS

CENTURYLINK
BILL MCCLOUD
(850) 815-3144

LEE COUNTY ELECTRIC CO-OP
TOM BAILEY
(239) 656-2414

LUMOS FIBER OF FLORIDA, LLC
MARLON BROWN - SR DIRECTOR
MARLON.BROWN@LUMOSFIBER.COM
(540) 278-0304

FLORIDA GOVERNMENTAL UTILITIES AUTHORITY - LEHIGH
POTABLE WATER/SANITARY SEWER
LINA MARIA QUINTERO, PE
(727) 858-2396

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT
MICHAEL COOK
(239) 368-0044 Ext. 16
MCOOK@LA-MSID.COM
STORM WATER/CANALS

LEE COUNTY DEPARTMENT OF TRANSPORTATION (DOT)
COMMERCIAL RIGHT OF WAY USE PERMIT
(239) 533-8580
ROADS

FDOT
DISTRICT 1 - COUNTIES: CHARLOTTE, COLLIER, DESOTO, GLADES, HARDEE, HENDRY, HIGHLANDS, LEE, MANATEE, OKEECHOBEE, POLK, SARASOTA
801 N. BROADWAY AVENUE
BARTOW, FLORIDA 33830
PHONE: (800) 292-3368
PHONE: (239) 225-1900

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REVISION DATA

NO.	DESCRIPTION	BY	DATE
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SHEET TITLE: SOW & CONTACTS

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_007_FDH_004
DESCRIPTION:	OSPREY CANAL
DRAWING NAME:	LE1_007_FDH_004 - LEHIGH ACRES_LEE COUNTY_FLORIDA - OSPREY CANAL
SHEET:	2 OF 12

LINETYPES

- UG FIBER – EXISTING
- UG FIBER – PROPOSED
- AERIAL FIBER – EXISTING
- AERIAL FIBER – PROPOSED
- COMMUNICATION (COM)
- RECLAIM WATER (RCW)
- DITCH
- GUARDRAIL
- ROAD CENTERLINE
- EASEMENT (ESMT)
- GAS (G)
- WATER (W)
- TELEPHONE (T)
- ELECTRIC (E)
- SANITARY SEWER (SEW)
- STORM DRAIN (SD)
- FENCE (X)
- CABLE TV (TV)
- STEAM (STM)
- OIL (OIL)
- UNKNOWN UTILITY (UNK)
- RIGHT OF WAY (R/W)
- EDGE OF PAVEMENT (EOP)
- SIDEWALK (S/W)

SYMBOL	DESCRIPTION
BP	BORE PIT
EOP	EDGE OF PAVEMENT
EOTW	EDGE OF TRAVEL WAY
FOC	FIBER OPTIC CABLE
HDPE	HIGH DENSITY POLYETHYLENE
HH	HANDHOLE
JB	JUNCTION BOX
MH	MANHOLE
MP	MILE POST
O/S	OFFSET
PVC	POLY VINYL CHLORIDE
RGS	RIGID GALVANIZED STEEL CONDUIT
ROW	RIGHT OF WAY
S/W	SIDEWALK
STA.	STATION

- CB — CABINET
- P — PEDESTAL
- E — ELECTRIC
- EM — ELECTRIC METER
- MH — MANHOLE
- R — RISER
- T — TELEPHONE
- P — POWER VAULT
- CATCH BASIN/INLET
- FIRE HYDRANT
- GROUND/BOND
- STREET LIGHT
- TREE
- CULVERT
- WING WALL
- BRIDGE
- U — MISC. UTILITY
- UTILITY POLE – EXISTING
- OWNER ID — POLE – PROPOSED
- HH — HANDHOLE – EXISTING
- HH — HANDHOLE – PROPOSED
- PD — PEDESTAL – PROPOSED
- MKR — PROMARK DOME MARKER POST
- BORE PIT – PROPOSED

- 0' — AERIAL STORAGE – EXISTING
- 0' — AERIAL STORAGE – PROPOSED
- 0' — VAULT/BUILDING STORAGE – EXISTING
- 0' — VAULT/BUILDING STORAGE – PROPOSED
- POLE ANCHOR/DOWN GUY – EXISTING
- POLE ANCHOR/DOWN GUY – PROPOSED
- PROPOSED DOWN GUY ON EXISTING ANCHOR
- FDP / NAME / SIZE / LOCATION — TERMINATION – EXISTING
- FDP / NAME / SIZE / LOCATION — TERMINATION – PROPOSED
- BUILDING / NAME / STREET — BUILDING CALLOUT – PROPOSED
- MANUFACTURER NAME — SPLICE POINT – EXISTING
- MANUFACTURER NAME — SPLICE POINT – PROPOSED

#F	
	IN: 0
	OUT: 0

SEQUENTIAL CALLOUT

#F	
	IN: 0
	TAIL: 0

SEQUENTIAL IN TAIL CALLOUT

#F	
	TAIL: 0
	OUT: 0

SEQUENTIAL TAIL OUT CALLOUT

POLE NO	N/A
UTILITY1	0'-0"

POLE ATTACHMENT CALLOUT – EXISTING
USE DYNAMIC PULL DOWN TO SELECT FROM 1 TO 6 ATTACHMENTS

POLE NO	N/A
UTILITY1	0'-0"

POLE ATTACHMENT CALLOUT – PROPOSED
USE DYNAMIC PULL DOWN TO SELECT FROM 1 TO 6 ATTACHMENTS

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LAS VEGAS, NV 89117

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REVISION DATA

NO.	DESCRIPTION	BY	DATE
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SHEET TITLE: LEGEND

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_007_FDH_004
DESCRIPTION:	OSPREY CANAL
DRAWING NAME:	LE1_007_FDH_004 - LEHIGH ACRES_LEE COUNTY_FLORIDA - OSPREY CANAL
SHEET:	3 OF 12

GENERAL NOTES

CONTRACTOR MUST OBTAIN LOCATES PRIOR TO DISTURBING THE GROUND.

CONTRACTOR MUST HAVE A COPY OF THE APPROVED PERMIT FROM THE APPROPRIATE AGENCY ON THE JOBSITE AT ALL TIMES.

ALL CABLE WILL BE PLACED AT A MINIMUM DEPTH OF 36" DEEP UNLESS OTHERWISE DIRECTED BY A REPRESENTATIVE OF THE UTILITY OWNER.

ANY LANDSCAPING WILL BE REPLACED TO EQUAL OR BETTER THAN THAT WHICH EXISTED PRIOR TO WORK, 72 HOURS AFTER COMPLETION OF WORK.

PROJECT SITE WILL BE PROPERLY SECURED PRIOR TO THE END OF EACH DAY.

ALL WORK IS TO BE IN ACCORDANCE WITH ALL AUTHORITIES HAVING JURISDICTION IN THE WORK ZONE.

CONTRACTORS ARE ADVISED TO CONTACT THE PROJECT MANAGER FOR ANY ADDITIONAL INFORMATION OR CLARIFICATION CONCERNING SCOPE OF WORK OR THE REQUIREMENTS NECESSARY FOR PROJECT COMPLETION.

CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY ALL DIMENSIONS, QUANTITIES AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION. IF A SIGNIFICANT CHANGE TO THE RUNNING LINE IS NEEDED, PLEASE CONTACT THE PROJECT MANAGER BEFORE PROCEEDING.

BEFORE CONSTRUCTION BEGINS, CONTRACTOR SHALL TAKE APPROPRIATE PRECAUTIONS TO AVOID ANY POTENTIAL OBSTRUCTIONS PRIOR TO PROCEEDING WITH WORK.

NO CONSTRUCTION ON PRIVATE PROPERTY WILL COMMENCE UNTIL APPROVAL IS GIVEN BY A REPRESENTATIVE OF THE UTILITY OWNER.

CONTRACTOR SHALL NOT PROCEED WITH WORK UNTIL THEY HAVE RECEIVED A PURCHASE ORDER AND HAVE BEEN DIRECTED TO DO SO BY AN AUTHORIZED REPRESENTATIVE OF THE UTILITY OWNER.

CONTRACTOR SHALL NOT EXCEED THE PURCHASE ORDER VALUE WITHOUT AUTHORIZATION IN WRITING FROM THE APPROPRIATE REPRESENTATIVE OF THE UTILITY OWNER.

AS-BUILTS WILL BE REQUIRED FOR EACH PROJECT INCLUDING CABLE FOOTAGE SEQUENTIALS AT EVERY ACCESS POINT, SLACK LOOP, SPLICE LOCATION, POLE AND TERMINATION POINT. CONTRACTOR SHOULD ALSO PROVIDE NOTES OF ALL CHANGES IN DEPTHS, RUNNING LINES, MH/HH LOCATIONS, AND ANY OTHER APPLICABLE NOTES TO DEPICT THE WORK THAT TOOK PLACE. NOTE: ALL MAJOR CHANGES NEED TO BE PRE-APPROVED BY AN AUTHORIZED REPRESENTATIVE OF THE UTILITY COMPANY PRIOR TO STARTING THE WORK.

SITE CONDITIONS

THE ACTUAL LOCATION OF EXISTING CONDUIT AND CABLES MAY VARY FROM THE LOCATION SHOWN. REPAIR OF ANY DAMAGED CONDUIT CONTAINING CABLE SHALL BE MADE BY USE OF PVC SPLIT DUCT. THE CONTRACTOR SHALL ENCLOSE THE EXISTING CABLES IN PVC.

THE LOCATIONS OF EXISTING UTILITIES SHOWN IN THIS PLAN ARE APPROXIMATE. WHEN WORK IS TO BE CONDUCTED IN THE VICINITY OF KNOWN UTILITIES, THEIR ACTUAL LOCATION MUST BE FIELD VERIFIED TO AVOID CONFLICTS OR DAMAGE TO THOSE UTILITIES. VARIATION IN LOCATION BETWEEN "RECORDED POSITIONS" AND ACTUAL POSITIONS SHOULD BE ANTICIPATED.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES. BURIED UTILITIES MAY EXIST IN THE AREA IN ADDITION TO THOSE SHOWN ON THE PLAN. THE CONTRACTOR SHALL CONTACT PROPERTY OWNERS WHEN WORKING WITHIN PRIVATE EASEMENTS FOR LOCATION OF UNDERGROUND TANKS, PIPELINES, DRAIN TILES, OR OTHER BURIED IMPROVEMENTS. THE CONTRACTOR SHALL ALSO NOTIFY THE UTILITY NOTIFICATION CENTER PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITIES.

THE CONTRACTOR MUST ASSUME ALL BURIED UTILITIES ENCOUNTERED ARE ALIVE AND ACTIVE UNLESS SPECIFICALLY INSTRUCTED OTHERWISE BY OWNERS OR OPERATORS OF SAID UTILITIES.

DAMAGE TO SUB-SURFACE STRUCTURES IS THE SOLE RESPONSIBILITY OF THE PLACING CONTRACTOR.

THE CONTRACTOR SHALL PROTECT THE EXISTING TRAFFIC CONTROL LOOPS. IF EXISTING TRAFFIC CONTROL LOOPS ARE DAMAGED DURING CONSTRUCTION, THE ENTIRE LOOP WIRE FROM TERMINAL TO TERMINAL SHALL BE REPLACED IN ACCORDANCE WITH GOVERNING AGENCY STANDARDS AND REGULATIONS AT CONTRACTOR'S EXPENSE.

REMOVAL OF EXISTING ASPHALT PAVEMENT, CONCRETE CURBS, AND CONCRETE SIDEWALKS WILL BE "NEAT LINE" WITH SAW OR PAVEMENT CUTTER, PER REQUIREMENTS AND SPECIFICATIONS OF THE AGENCY OR DEPARTMENT RESPONSIBLE FOR EACH LOCATION. IF CONCRETE PAVEMENT IS ENCOUNTERED WHILE EXCAVATING CONDUIT TRENCHES, THE CONCRETE REMOVAL WILL BE "NEAT LINE" WITH A PAVEMENT SAW.

IF CONCRETE CURB RETURNS AND/OR SIDEWALKS ARE REPLACED DUE TO CONDUIT OR MANHOLE INSTALLATION, THE CONTRACTOR SHALL PLACE APPROVED HANDICAPPED SIDEWALK AND CURB ACCESS RAMPS IN CONFORMANCE WITH THE APPROPRIATE STATE STATUTES.

ALL MATERIALS NECESSARY FOR THE REPAIR OF STREETS, CURBS, SIDEWALKS, SANITARY SEWERS, STORM SEWERS, AND PUBLIC SERVICE UTILITIES, AND THE INSTALLATION OF SUCH MATERIALS SHALL BE IN CONFORMANCE WITH THE REQUIREMENTS AND SPECIFICATIONS OF THE AGENCY OR DEPARTMENT RESPONSIBLE FOR THE OPERATION AND MAINTENANCE OF THE REPAIRED FACILITY.

ALL WORK SHALL CONFORM TO THE SPECIFICATIONS OF THE JURISDICTIONAL PERMIT AGENCY.

ALL OPEN TRENCH WILL BE CLEARLY MARKED WITH BARRICADES OR CONES. STEEL PLATES OR OTHER TYPES OF BRIDGING SHALL BE PROVIDED TO COVER OPEN TRENCH IN THE TRAVEL PORTION OF THE STREETS. THESE PLATES OR BRIDGING SHALL BE ADEQUATE TO SUPPORT THE NORMAL VEHICLE LOADS ANTICIPATED IN THIS AREA AND SHALL BE IN PLACE DURING ALL NON-WORKING AREAS.

ALL SURFACES TO BE RESTORED TO ORIGINAL CONDITION, AND BACKFILL TO BE COMPACTED AS SPECIFIED. TRENCH EXCAVATION IN SURFACES WHICH INCLUDE CONCRETE TREATED BASE SHALL FOLLOW LOCAL AREA SPECIFICATIONS.

HAZARDOUS MATERIALS

THE CONTRACTOR SHALL NOTIFY THE JURISDICTIONAL PERMIT AGENCY IMMEDIATELY IF ANY MATERIALS ARE ENCOUNTERED THAT ARE CONSIDERED HAZARDOUS BY THE EPA, DEQ, OR OSHA. IF POTENTIALLY HAZARDOUS MATERIALS ARE ENCOUNTERED THE CONTRACTOR SHALL SECURE THE SITE AND PREVENT THE ACCIDENTAL EXPOSURE BY THE PUBLIC OR THE CONTRACTOR'S PERSONNEL.

THE CONTRACTOR MAY EXCAVATE UP TO, BUT SHALL NOT DISTURB KNOWN HAZARDOUS MATERIALS SUCH AS ASBESTOS, OILS, ACID, ETC. THE REMOVAL OF ALL HAZARDOUS MATERIALS MUST BE DONE BY AN APPROVED OR CERTIFIED HAZARDOUS MATERIALS CONTRACTOR LICENSED IN THE APPROPRIATE STATE.

A COPY OF ALL CORRESPONDENCE PERTINENT TO THE REMOVAL OF HAZARDOUS MATERIALS SHALL BE TRANSMITTED TO OWNER AND A COPY SHALL BE AVAILABLE AT THE PROJECT OFFICE AND THE JOB SITE.

AERIAL NOTES

- AERIAL CONSTRUCTION TO BE PERFORMED TO INDUSTRY ACCEPTABLE STANDARDS.
- ALL HEIGHTS OF CABLE PLACEMENT WILL BE RECORDED AT TIME OF CONSTRUCTION. DOCUMENT ALL POINTS OF ATTACHMENT.
- ALL EXTENSION ARMS TO BE PLACED WILL BE EPOXY ARMS UNLESS OTHERWISE NOTED OR APPROVED BY THE INSPECTOR.
- BOND STRAND TO POWER MGN WHERE APPLICABLE. ANCHORS TO BE USED WILL BE 3/4 SCREW IN TYPE.
- ALL STRAPS WILL BE PLACED 4" BEFORE AND AFTER EVERY SUPPORTING CLAMP AT A MINIMUM OF 21" APART.
- P.O.A. = POINT OF ATTACHMENT.
- ADD MISSING GROUNDS.
- REPAIR/REPLACE EXISTING LASHING WIRE IF DAMAGED.

CONSTRUCTION STAKING

IN AREAS WHERE THE CONDUIT ALIGNMENT IS NOT CLEARLY DEFINED BY CURB LINES, FENCE LINES, OR OTHER EVIDENCE OF THE RIGHT-OF-WAY, THE ENGINEER WILL PROVIDE CENTERLINE STAKES OR PAINT MARKS WHERE REQUIRED TO MAKE THE PROPOSED CONDUIT ALIGNMENT EVIDENT.

MANHOLE CENTERS WILL BE FIELD STAKED BY THE ENGINEER WHEN REQUESTED WITH OFFSET STAKES AT RIGHT ANGLES (90°) TO THE CONDUIT ALIGNMENT.

CLOSURES IDENTIFIED IN THE PLANS SHALL BE LOCATED BY THE CONTRACTOR. DEVIATION FROM PLAN LAYOUT SHALL BE APPROVED BY THE ENGINEER PRIOR TO CONDUIT AND/OR CLOSURE INSTALLATION.

IF ADDITIONAL, FIELD STAKING OR LOCATION OF CONDUITS, MANHOLES, PROPERTY LINES, ETC., BECOMES NECESSARY, THE CONTRACTOR IS TO NOTIFY THE INSPECTOR OR THE ENGINEER TWO WORKING DAYS PRIOR TO BEGINNING THE WORK.

PERMITTING AGENCY

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LAS VEGAS, NV 89117

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REVISION DATA

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SHEET TITLE: GENERAL NOTES

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_007_FDH_004
DESCRIPTION:	OSPREY CANAL
DRAWING NAME:	LE1_007_FDH_004 - LEHIGH ACRES_LEE COUNTY_FLORIDA - OSPREY CANAL
SHEET:	4 OF 12

PERMITS - FRANCHISES - EASEMENTS

PHYSICAL WORK SHALL NOT BE STARTED UNTIL THE GOVERNING AGENCY INSPECTOR AND THE CONTRACTOR ARE IN POSSESSION OF AND HAVE CAREFULLY REVIEWED AND FULLY UNDERSTAND ALL CONDITIONS AND SPECIFICATIONS SET FORTH IN THE REQUIRED PERMITS, FRANCHISES, AND/OR EASEMENTS.

PLACING FOREMAN TO HAVE A COPY OF THE PERMITS/EASEMENTS ON SITE AT ALL TIMES.

ANY CONFLICT BETWEEN WORK PRINT SPECIFICATIONS AND SPECIFICATIONS SET FORTH UNDER RELATED PERMITS, FRANCHISES, AND/OR EASEMENTS MUST BE CLEARED BY PROPER COMPANY AUTHORITY BEFORE PROGRESSING WITH WORK INVOLVED

TRAFFIC CONTROL

THIS PROJECT WILL INVOLVE WORKING ALONG A MAJOR ARTERIAL ROAD AND HEAVY TRAFFIC VOLUME SHOULD BE ANTICIPATED.

UNIFORM TRAFFIC FLOW SHALL BE MAINTAINED AT ALL TIMES. ONLY EQUIPMENT AND MATERIALS NECESSARY FOR IMMEDIATELY SCHEDULED OR IN PROGRESS WORK WILL BE MAINTAINED IN THE WORK AREA. ALL OTHER EQUIPMENT AND MATERIALS WILL BE "STORED OR STOCKPILED" IN SUCH A MANNER AS TO ELIMINATE HAZARDOUS CONDITIONS FOR TRAFFIC OR PEDESTRIANS DURING NON-WORKING OR SHUT DOWN PERIODS.

TRAFFIC WARNING DEVICES AND SIGNS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (U.S. GOVERNMENT PRINTING OFFICE) AND TO THE STATE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION. HIGH LEVEL WARNING TYPE DEVICES ARE TO BE USED AT ALL TIMES AND SPECIAL WARNING DEVICES MAY BE STIPULATED BY THE JURISDICTIONAL PERMIT AGENCY AT ANY TIME THE USE WILL ADD TO THE SAFETY AND PROTECTION OF TRAFFIC OR PEDESTRIANS IN THE CONSTRUCTION AREA.

ALL CONDUIT TRENCHING IN PAVED AREAS SHALL BE BACKFILLED WITH CRUSHED GRAVEL OR COMPLETELY COVERED AT THE COMPLETION OF EACH WORKING DAY. ANY BACKFILLED TRENCH SHALL BE CAPPED WITH A MINIMUM LAYER OF ASPHALTIC CONCRETE COLD PATCH AT THE END OF EACH WORKING DAY.

THE CONTRACTOR SHALL MARK THE CONDUIT TRENCH AND DEFINE HIS CONSTRUCTION AREA CLEARLY WITH BARRICADES, CONES, AND/OR OTHER VISIBLE METHODS THAT ALERT THE PUBLIC OF THE CONSTRUCTION ACTIVITY.

A TRAFFIC CONTROL PLAN SHALL BE PREPARED BY THE CONTRACTOR AS REQUIRED AND SUBMITTED TO EACH PERMITTING AGENCY REQUESTING SUCH PLAN FOR REVIEW AND APPROVAL OR REVISION PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITY FOR THIS PROJECT. THE APPROVED PLAN SHALL BE SUBMITTED TO THE AGENCY AND A COPY OF THE PLAN SHALL BE KEPT AT THE CONSTRUCTION SITE AND MUST BE READILY AVAILABLE REVIEW BY THE AGENCY REPRESENTATIVES.

SPECIAL UTILITY CLEARANCES

ALL WORK CONDUCTED ADJACENT TO WATER MAINS SHALL CONFORM TO THE FOLLOWING CONDITIONS:

A. WHEREVER POSSIBLE CONDUIT SHALL MAINTAIN A HORIZONTAL SEPARATION OF 3.0 FEET, MEASURED SURFACE TO SURFACE (OUTSIDE EDGE TO OUTSIDE EDGE), FROM PARALLEL WATER MAINS.

B. WHEREVER POSSIBLE, CONDUIT SHALL PASS UNDER EXISTING WATER MAINS AND MUST MAINTAIN 24" VERTICAL CLEAR SEPARATION. CONDUITS PASSING OVER WATER MAINS MUST ALSO MAINTAIN THE 24" VERTICAL SEPARATION.

C. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING THIS REQUIRED VERTICAL SEPARATION BY EITHER EXPOSING THE WATER MAIN EVERY 100 FEET IN THOSE AREAS WHERE HORIZONTAL SEPARATION IS LESS THAN 3.0 FEET OR BY UTILIZING THE DEPTHS OF ADJACENT WATER VALVES. IF THE CONTRACTOR UTILIZES THE ADJACENT WATER TO DETERMINE WATER MAIN DEPTH, HE SHALL CONTACT THE AGENCY AT EACH SUCH LOCATION AND THE AGENCY WILL DETERMINE THE NECESSARY DEPTH OF THE TOP OF THE CONDUIT AT THAT POINT.

D. THE VERTICAL AND HORIZONTAL SEPARATION SHALL BE MAINTAINED AT ALL TIMES UNLESS SPECIFICALLY REVISED BY AGREEMENT BETWEEN THE JURISDICTIONAL PERMIT AGENCY AND THE AGENCY ANY SPECIFIC DEVIATION IN VERTICAL AND HORIZONTAL SEPARATION FROM THOSE DESCRIBED SHALL BE REPORTED TO THE OWNER BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING VERTICAL AND HORIZONTAL SEPARATION AT ALL TIMES AND SHALL BE RESPONSIBLE FOR ANY AND ALL ENCROACHMENTS.

E. CLEARANCES TO STORM SEWERS AND SANITARY SEWERS SHALL BE EXACTLY THE SAME AS THOSE TO WATER MAINS.

STRUCTURE PROTECTION

MANHOLES AND CONDUIT TO BE PLACED ADJACENT TO EXISTING STRUCTURES SUCH AS BRIDGE BRIDGE FOOTINGS/PIERS, BUILDING FOUNDATIONS, WALLS, POWER AND TELEPHONE POLES, AND OTHER UTILITIES SHALL MAINTAIN A MINIMUM CLEARANCE AS SHOWN. THE CONTRACTOR SHALL NOT UNDERMINE ANY ADJACENT STRUCTURE WITHOUT SPECIFIC WRITTEN PERMISSION FROM THE OWNER/OPERATOR OF SUCH STRUCTURE.

SHORING USED AS FOUNDATION SUPPORT SHALL BE DESIGNED SPECIFICALLY FOR BOTH THE LIVE AND DEAD LOADS OF THE STRUCTURE, OR IF ONLY THE DEAD LOAD IS USED FOR DESIGN, THE CONTRACTOR SHALL PROVIDE A DETAILED LAYOUT AND PLAN OF THE METHOD OF ESTABLISHING AND MAINTAINING THE DESIGN LOAD CONDITIONS (I.E., ROAD DETOURS, TIEBACKS, ETC.).

SEE UTILITY CLEARANCE SECTION NOTES FOR CLEARANCE CRITERIA TO PARALLEL OR CROSS UTILITIES.

EXISTING UTILITIES EXPOSED DURING EXCAVATION SHALL BE 100% SUPPORTED BY EITHER TRENCH BRIDGING AND SUSPENSION OR BY THE USE OF LONGITUDINAL TRAYS OR PLATFORMS VERTICALLY SUPPORTED BY ADJUSTABLE BUILDING JACKS.

EXISTING SPLICE CASES AND CABLES SHALL BE SUPPORTED BY SUSPENSION FROM A CROSSING BEAM. SUPPORTS SHALL BE PLACED AT A MAXIMUM SPACING OF 4.0 FEET AND SHALL CONSIST OF A CANVAS SLING WITH NYLON BELTING OR ROPE. ALL CABLE SUPPORTS SHALL BE PLACED IN A MANNER THAN PREVENTS KINKS OR OTHER DAMAGE TO THE CABLE SHEATH.

AN ACCEPTABLE ALTERNATIVE TO CABLE SLINGS WOULD BE THE UTILIZATION OF A WIDE FLANGE "I" BEAM OR CHANNEL AS A "CABLE TRAY" WITH THE CABLES/CASES BANDED IN PLACE.

SHORING

THE CONTRACTOR SHALL PROVIDE SHORING FOR CONDUIT TRENCH EXCAVATION 42" OR MORE IN DEPTH AS MEASURED FROM THE HIGH SIDE OF THE TRENCH AND FOR ALL MANHOLE EXCAVATION.

MANHOLE SHORING SHALL BE TIGHT-SHEETED.

ALL SHORING SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF LOCAL COUNTY AND THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA).

SHORING SHALL BE DESIGNED TO MEET H-20 HIGHWAY LOADING.

THE CONTRACTOR SHALL PROVIDE ALL SHORING AND DESIGN CALCULATIONS TO THE PERMIT ISSUING AGENCY PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITY.

UTILITY NOTE:

EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND BASED ON AVAILABLE RECORDS, VERBAL INFORMATION AND/OR PHYSICAL FEATURES. PRIOR TO CONSTRUCTION (AT LEAST 72 HOURS OR THE MORE RESTRICTIVE MINIMUM NOTIFICATION PERIOD), THE CONTRACTOR SHALL CONTACT SUNSHINE 811 TO ALLOW MARKING OF EXISTING BURIED UTILITIES WITHIN THE SCOPE OF THE PROPOSED WORKZONE.

SOFT DIGS &/OR POTHOLING SHALL BE REQUIRED BY CONTRACTOR TO IDENTIFY EXISTING UTILITY DEPTHS.

MINIMUM 24" SEPARATION SHALL BE MAINTAINED FROM ALL EXISTING UTILITIES UNLESS SUPERVISED.

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REVISION DATA

NO.	DESCRIPTION	BY	DATE
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SHEET TITLE:
GENERAL NOTES

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_007_FDH_004
DESCRIPTION:	OSPREY CANAL
DRAWING NAME:	LE1_007_FDH_004 - LEHIGH ACRES_LEE COUNTY_FLORIDA - OSPREY CANAL
SHEET:	5 OF 12

RANDOLF ST E

CHERRY ST E

COLUMBUS BLVD – 20'

PROPOSED BORE
PIT 00+00

PROPOSED UTILITY
MARKER 01+20

PROPOSED UTILITY
MARKER 02+20

PROPOSED BORE
PIT 03+40

DIRECTIONAL BORE:
- (2) 1.25" HDPE SDR 11 CONDUIT
- 340'
- MINIMUM DEPTH = 244.8" STA– 01+20 TO 02+20

01+83

OSPREY CANAL
57-1-2

41'

106'

100'

6'

EOP

R/W

ESMT

JOINT

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0 10' 20' 30' 40'
SCALE: 1"=40'

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REVISION DATA

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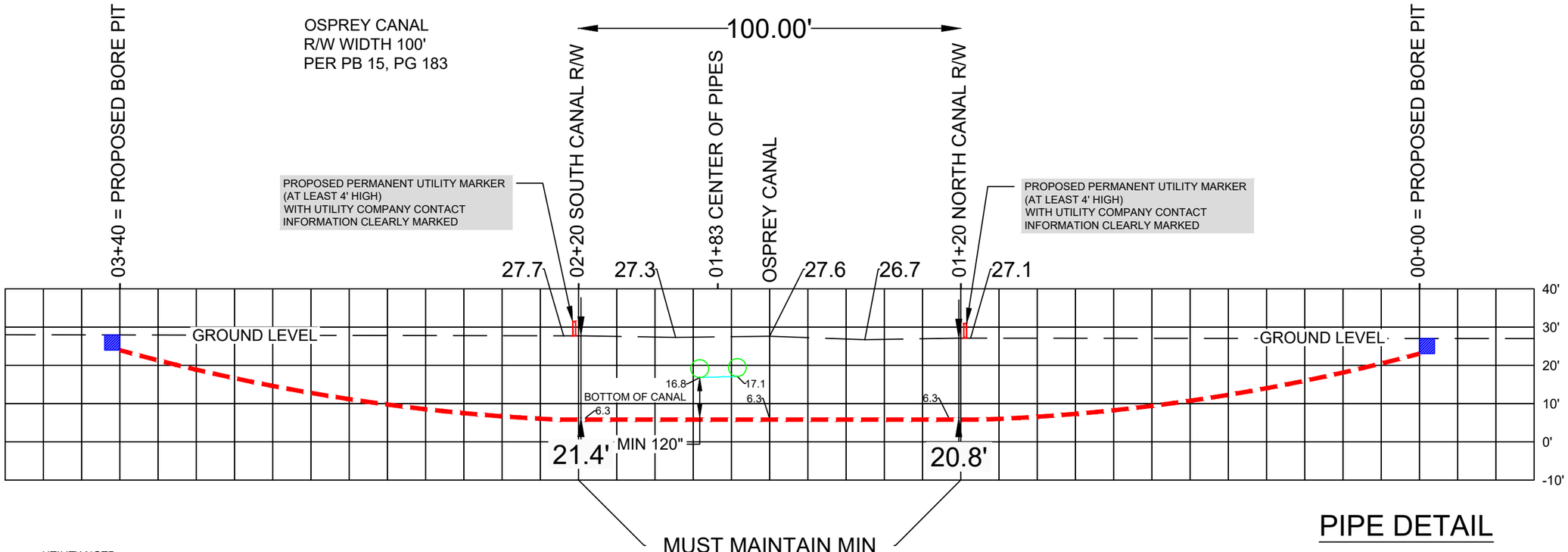
SHEET TITLE:
PROJECT SHEET

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_007_FDH_004
DESCRIPTION:	OSPREY CANAL
DRAWING NAME:	LE1_007_FDH_004 - LEHIGH ACRES_LEE COUNTY_FLORIDA - OSPREY CANAL
SHEET:	6 OF 12

SUB-GRADE VERTICAL PROFILE VIEW
COLUMBUS BLVD
LOOKING WEST



MUST MAINTAIN MIN
10' BELOW BOTTOM OF
CANAL IN LA-MSID ROW

UTILITY NOTE:

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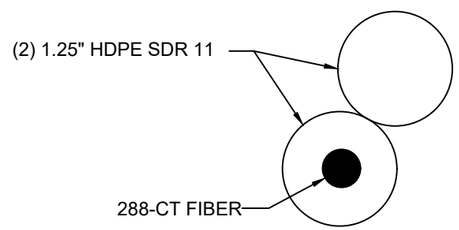
PIPE DETAIL



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LAS VEGAS, NV 89117

811 Know what's below. Call before you dig.

0 10' 20' 30'
SCALE: 1"=30'

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REVISION DATA

NO.	DESCRIPTION	BY	DATE
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SHEET TITLE:
PROFILE VIEW

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_007_FDH_004
DESCRIPTION:	OSPREY CANAL
DRAWING NAME:	LE1_007_FDH_004 - LEHIGH ACRES_LEE COUNTY_FLORIDA - OSPREY CANAL
SHEET:	7 OF 12

STREET LEVEL VIEW
STA 01+20
FACING SOUTH



05/20/2026 11:48AM
26.586063, -81.573177
1152 RANDOLPH ST E
LEHIGH ACRES, FL 33974

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REVISION DATA

NO.	DESCRIPTION	BY	DATE
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SHEET TITLE:	IMAGES
PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_007_FDH_004
DESCRIPTION:	OSPREY CANAL
DRAWING NAME:	LE1_007_FDH_004 - LEHIGH ACRES_LEE COUNTY_FLORIDA - OSPREY CANAL
SHEET:	8 OF 12



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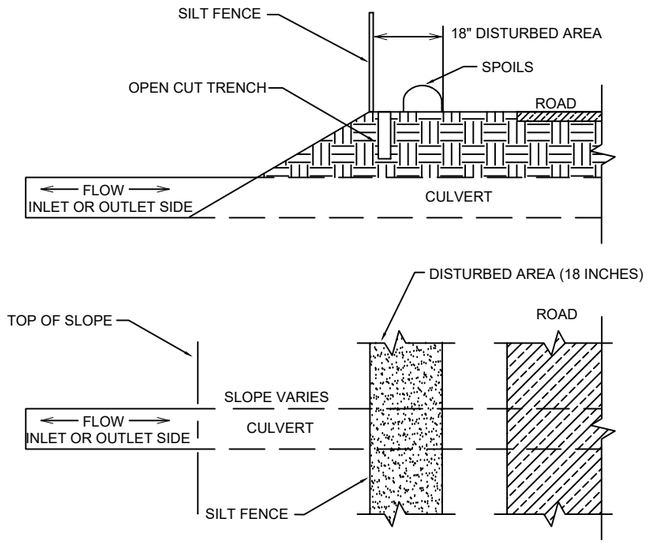
SHEET TITLE: IMAGES

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_007_FDH_004
DESCRIPTION:	OSPREY CANAL
DRAWING NAME:	LE1_007_FDH_004 - LEHIGH ACRES_LEE COUNTY_FLORIDA - OSPREY CANAL

TYPICALS

CULVERT CUT OVER ON ROADSIDE SHOULDER

NOT TO SCALE



GENERAL NOTES

1. INSTALL SILT FENCE TO PROTECT DOWNSTREAM AREAS FROM SEDIMENTATION PRIOR TO CONSTRUCTION.
2. INSTALL SILT FENCE AS NEEDED TO PROTECT DRAINAGE FEATURES, BUT NO LESS THAN 10' ON EITHER SIDE OF CULVERT.

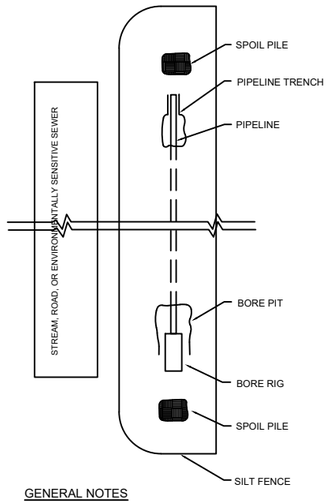
MAINTENANCE NOTES

INSPECT CULVERT CROSSING STRUCTURES WEEKLY AND AFTER EACH SIGNIFICANT RAINFALL EVENT (0.5" OR GREATER) TO SEE IF ANY EROSION AROUND OR BELOW THE SILT FENCE HAS OCCURRED, IMMEDIATELY MAKE ALL NEEDED REPAIRS TO PREVENT FURTHER DAMAGE.

*REF: 6.41.5 NC Erosion and Sediment Control Planning and Design Manual, 2006

DIRECTIONAL BORE DETAIL (PARALLEL)

NOT TO SCALE

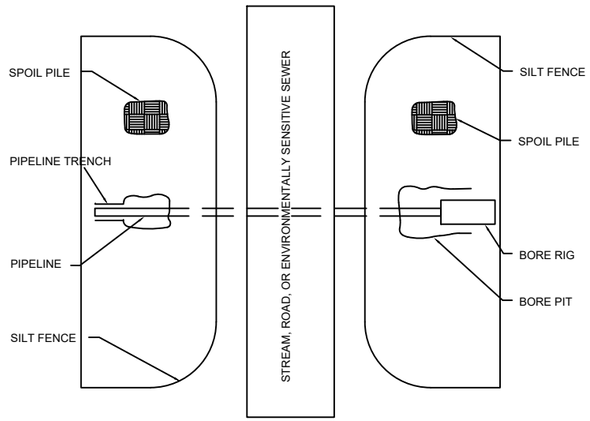


GENERAL NOTES

1. BORE PITS AND SPOILS PILES SHALL BE ENCLOSED ON THREE SIDES AS SHOWN WITH SILT FENCE

DIRECTIONAL BORE DETAIL (TRAVERSE)

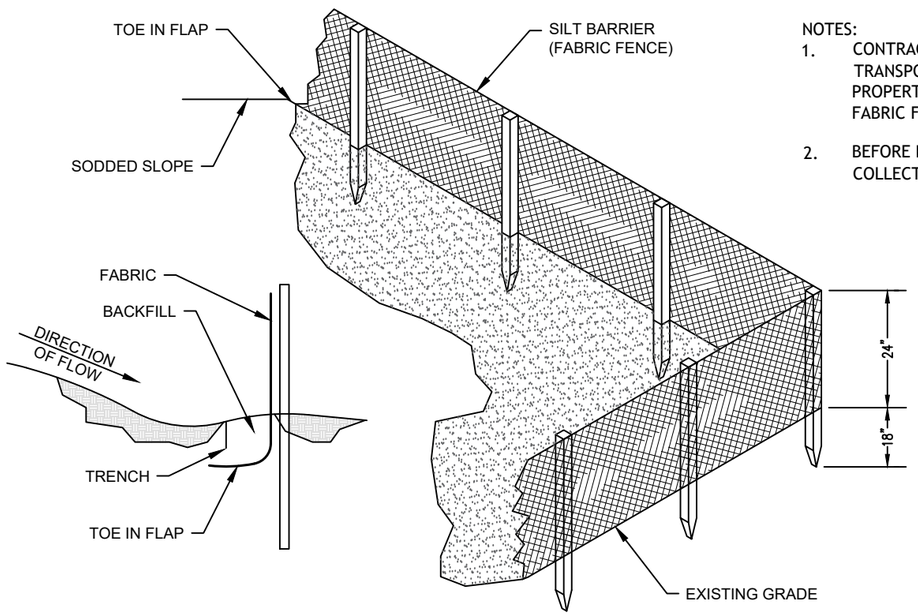
NOT TO SCALE



GENERAL NOTES

1. BORE PITS AND SPOILS PILES SHALL BE ENCLOSED ON THREE SIDES AS SHOWN WITH SILT FENCE

FABRIC FENCE SILT - BARRIER



NOTES:

1. CONTRACTOR IS REQUIRED TO PREVENT ANY SEDIMENT TRANSPORT FROM THE PROJECT SITE ON TO ADJACENT PROPERTY. INSTALLATION OF EITHER BALED HAY OR FABRIC FENCE TYPE SILT BARRIER IS ACCEPTABLE.
2. BEFORE REMOVING SILT BARRIER, CONTRACTOR SHALL COLLECT AND DISPOSE OF ANY ACCUMULATED SILT.

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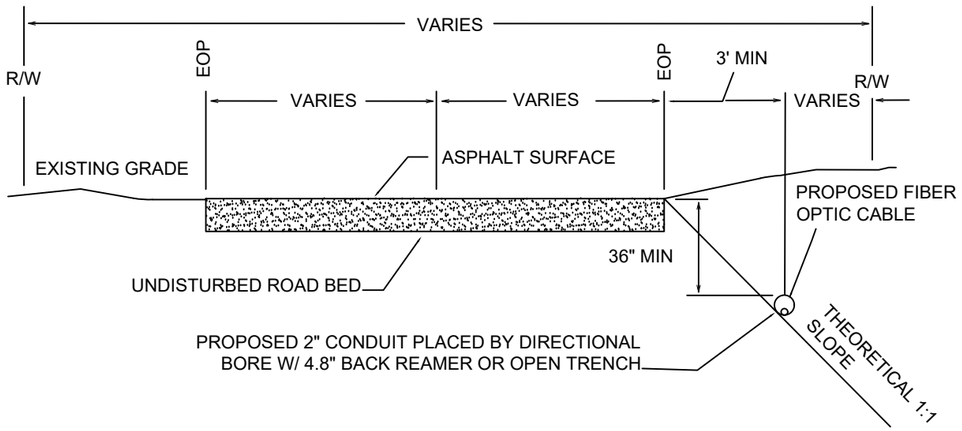
SHEET TITLE: TYPICALS

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_007_FDH_004
DESCRIPTION:	OSPREY CANAL
DRAWING NAME:	LE1_007_FDH_004 - LEHIGH ACRES_LEE COUNTY_FLORIDA - OSPREY CANAL
SHEET:	10 OF 12

TYPICALS

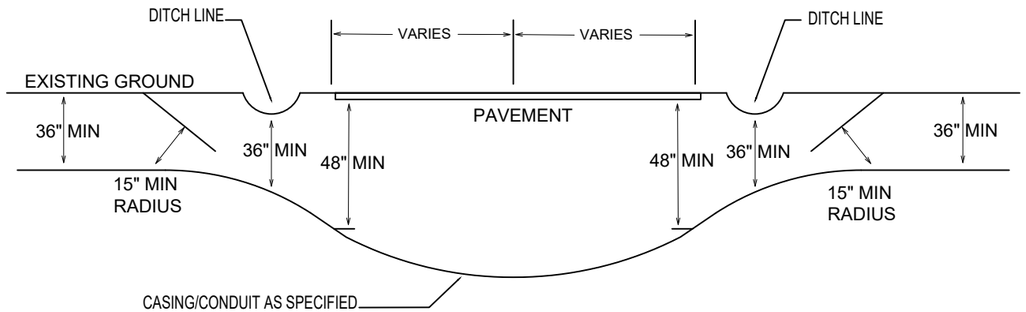
PARALLEL CONDUIT DETAIL FOR FDOT RIGHT-OF-WAY

NOT TO SCALE



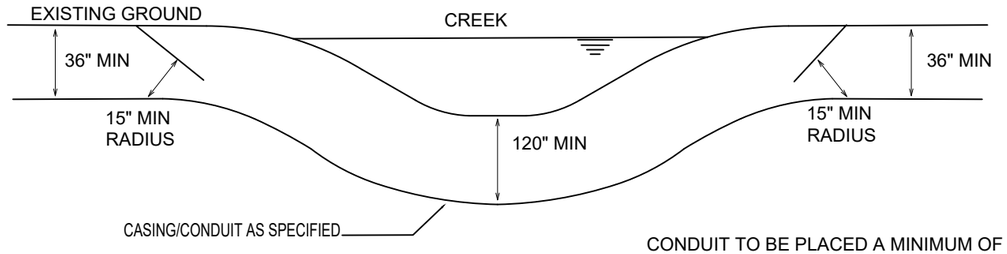
DIRECTIONAL BORE UNDER SECONDARY ROADWAY

NOT TO SCALE



DIRECTIONAL BORE UNDER CREEK BED

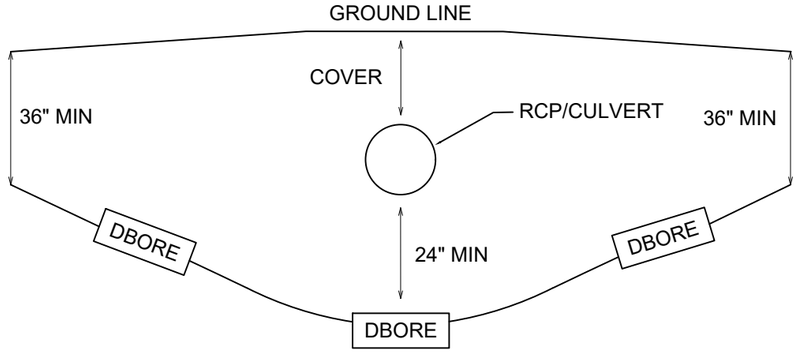
NOT TO SCALE



CONDUIT TO BE PLACED A MINIMUM OF 10 FEET BELOW CREEK BED

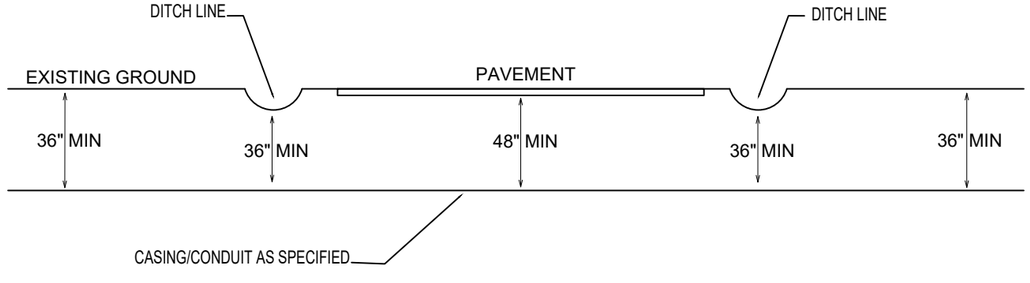
CULVERT CROSSING DETAIL

NOT TO SCALE



DRY BORE UNDER ROADWAY

NOT TO SCALE



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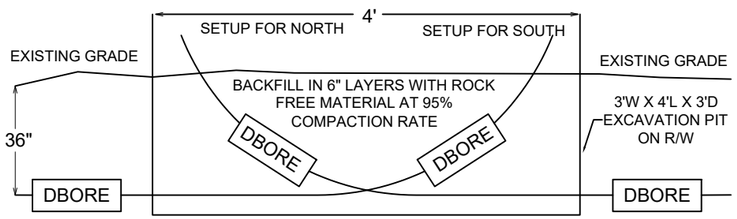
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_007_FDH_004
DESCRIPTION:	OSPREY CANAL
DRAWING NAME:	LE1_007_FDH_004 - LEHIGH ACRES_LEE COUNTY_FLORIDA - OSPREY CANAL
SHEET:	11 OF 12

TYPICALS

DIRECTIONAL BORE TIE-IN DETAIL

NOT TO SCALE

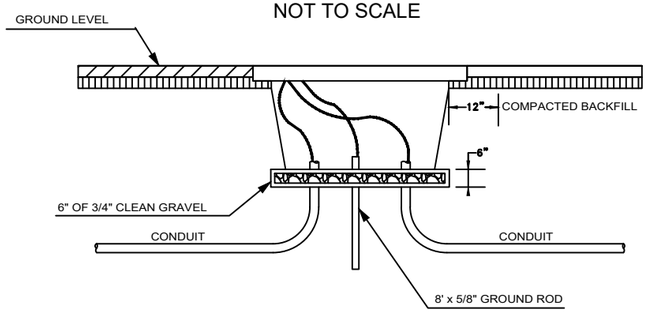


TIE-IN STATION

- BORE FROM EACH DIRECTION IS RUN AT DESIGN DEPTH TO 2 FEET PAST THE INTENDED TIE-IN. THEN TURNED UP TO DAYLIGHT.
- THE TIE-IN POINT IS EXCAVATED. THE CONDUITS CUT OFF WHERE THEY CROSS EACH OTHER AT DESIGN DEPTH, AND A COUPLER IS INSTALLED TO CONNECT THE TWO CONDUITS AT THE DESIGN DEPTH.
- ALL EXCAVATIONS OR TRENCHES 4 FEET OR GREATER IN DEPTH SHALL BE APPROPRIATELY BENCHED, SHORED, OR SLOPED IN OSHA'S EXCAVATION STANDARD, 29 CFR 1926.650, .651, AND .652

PULL BOX HANDHOLE

NOT TO SCALE



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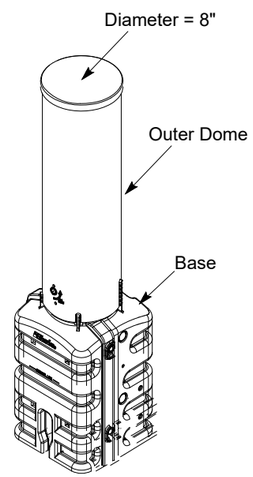
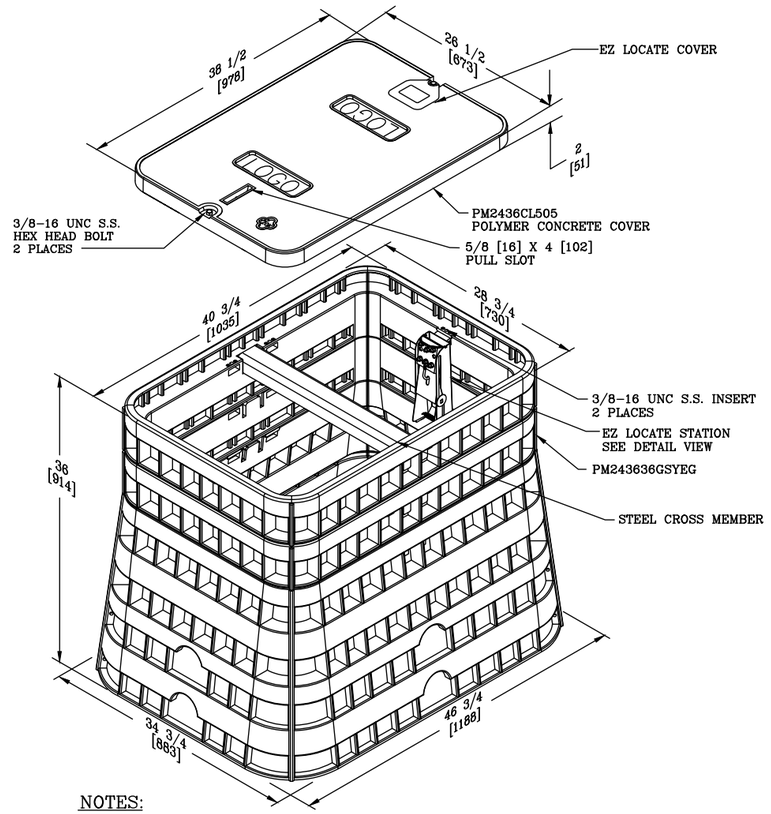
BDO204-EG

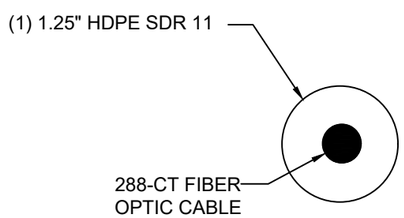




NOTES:

1. BOX MATERIAL TO BE HDPE PLASTIC, COVER MATERIAL TO BE POLYMER CONCRETE.
2. COLOR TO BE GREY.
3. THIS ASSEMBLY HAS A LOAD RATING OF 20,000 LBS. [88,960 N].

PIPE DETAIL



PERMITTING AGENCY

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LAS VEGAS, NV 89117

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SHEET TITLE:	TYPICALS
PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_007_FDH_004
DESCRIPTION:	OSPREY CANAL
DRAWING NAME:	LE1_007_FDH_004 - LEHIGH ACRES_LEE COUNTY_FLORIDA - OSPREY CANAL
SHEET:	12 OF 12

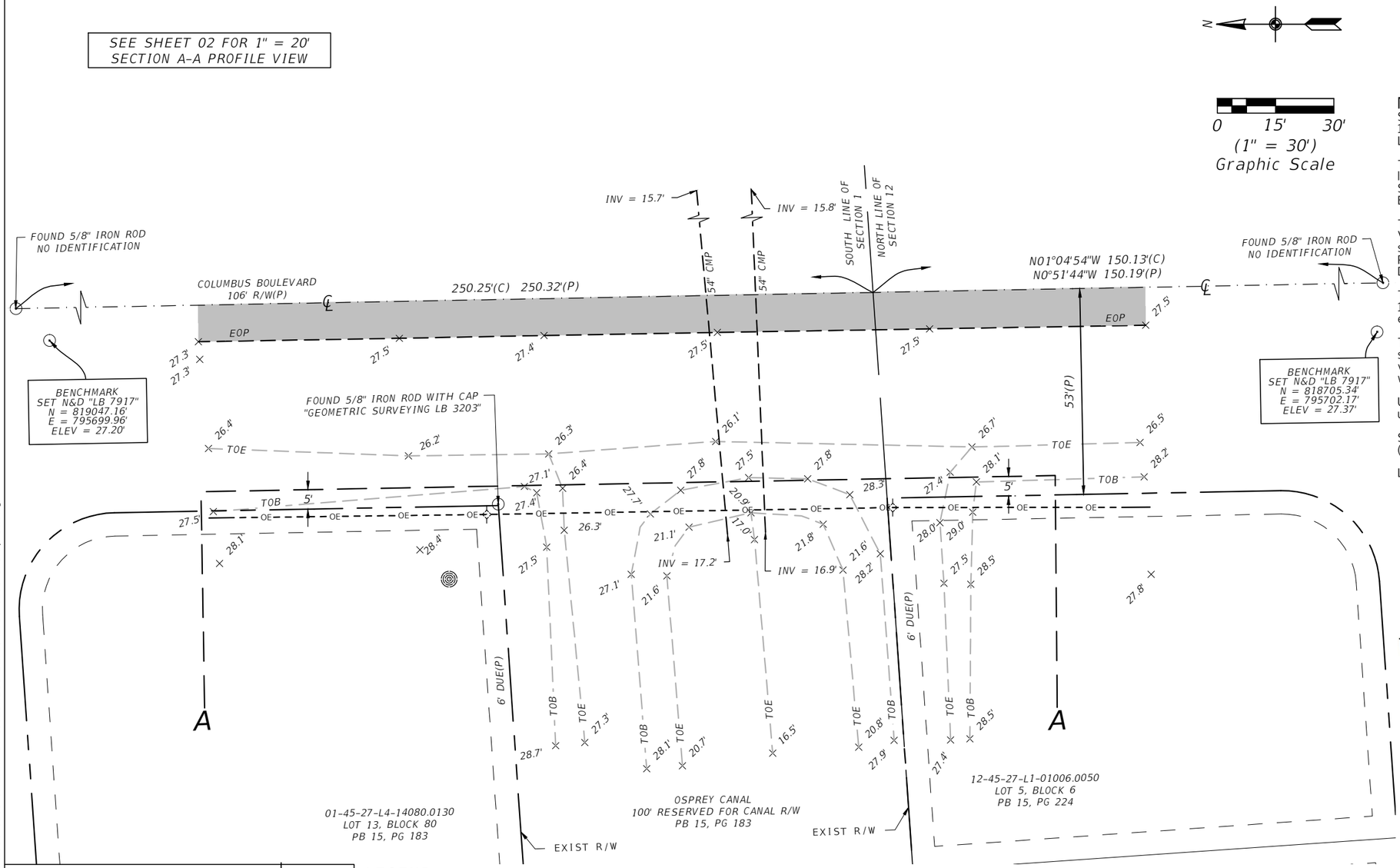
Topographic Survey of a Subject Project Site

lying within

Section 1 & 12, Township 45 South, Range 27 East

Lehigh Acres, Lee County, Florida

SEE SHEET 02 FOR 1" = 20'
SECTION A-A PROFILE VIEW



0 15' 30'
(1" = 30')
Graphic Scale

NOTES:

Survey based on the plat of Unit 14 as recorded in Plat Book 15 Page 183 and Unit 2 as recorded in Plat Book 15 Page 224, Public Records of Lee County, Florida and existing monumentation.

This survey prepared as a Topographic Survey for the purpose of locating the features within and adjacent to the Lehigh Acres Municipal Services Improvement District-managed facility West of Columbus Boulevard South between Randolph Street and Cherry Street East.

The elevations shown hereon are referenced to the North American Vertical Datum of 1988 (NAVD 1988). All elevations are reported in US survey feet and decimals thereof and are based upon the Florida Permanent Reference Network (FPRN) stations maintained by the Florida Department of Transportation.

The subject site lies within Zone "X" per FEMA insurance rate map 125124 0479F (Published 08/28/2008), therefore has no base flood elevation.

The FEMA flood zone information indicated hereon is based on the maps supplied by the Federal Government. This flood information must be verified with all permitting regulatory entities prior to commencing any work or application dependent on said flood information.

Underground improvements, utilities and/or foundations were not located unless otherwise noted. Wetlands, if any, were not located.

Subject to easements, restrictions, reservations, and rights-of-way (recorded and unrecorded, written and unwritten).

Last day of field work: 12/11/2025

TAYLOR J. HENNINGE
License Number
7279
STATE OF FLORIDA
Professional Surveyor and Mapper

Taylor Henninge 2025.12.30 14:28:13-05'00'

TAYLOR J. HENNINGE
PROFESSIONAL SURVEYOR AND MAPPER
FLORIDA CERTIFICATE NO. LS# 7279

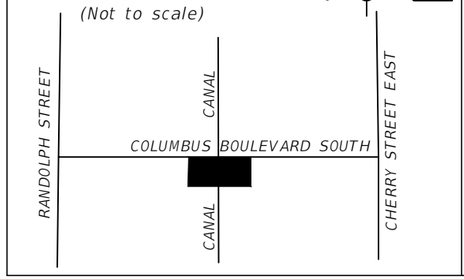
Not valid without the signature and the original seal of a Florida licensed surveyor and mapper.

This survey is only for the lands as described. It is not a certificate of title, zoning, easements or freedom of encumbrances.

This survey was prepared without benefit of an abstract of title and all matters of title should be referred to an attorney at law.

This survey has been electronically signed and sealed by Taylor J. Henninge using a digital signature and date. Print copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Location sketch
(Not to scale)



LEGEND:

(C)	= CALCULATED	N&D	= NAIL AND DISK
(P)	= PER PLAT	NAVD 88	= NORTH AMERICAN VERTICAL DATUM 1988
CB	= CATCH BASIN	OR	= OFFICIAL RECORDS BOOK
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= FOUND MONUMENT
OE = OVERHEAD UTILITY LINE
20.0 = SPOT ELEVATION
= ELECTRICAL POLE
= WELL

Columbus Boulevard, Lehigh Acres

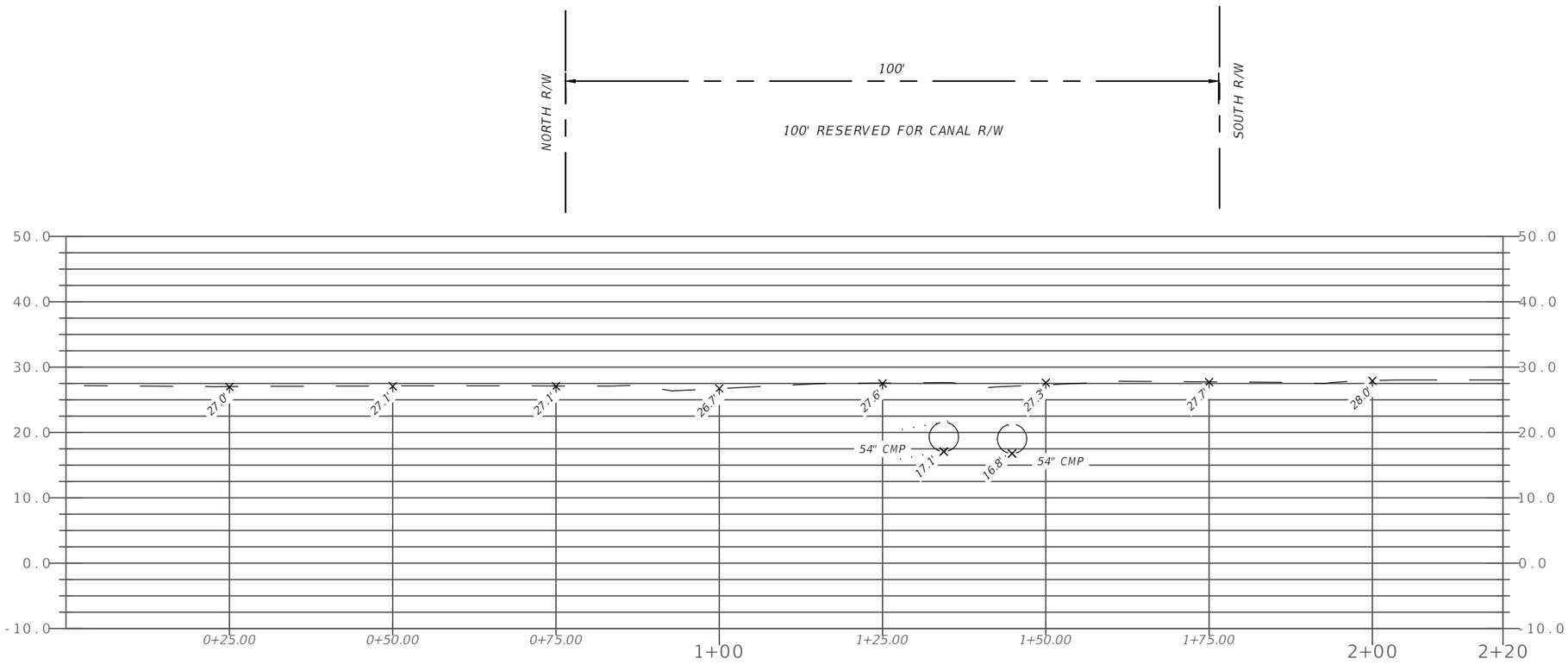
TOPOGRAPHIC SURVEY-PLAN VIEW

McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name:	Field book/page:	Project No.:
L030-1203 Cherry St.dwg	106981-1/28	106980001-L030

Survey date:	Drawn by:	Checked by:	Sheet No.:
12/11/2025	KB	TJH	01 OF 02

Topographic Survey of a
Subject Project Site
Section 1 & 12, Township 45 South, Range 27 East
Lehigh Acres, Lee County, Florida



A-A Profile View
1" = 20' HORIZONTAL
1" = 20' VERTICAL

SEE SHEET 01 FOR LEGEND

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I:\10698\0001\Geomatics\90-WORK ORDERS\L030-1203 CHERRY ST (COLUMBUS BLVD)\L030-1203 Cherry St.dwg

NOTE:

1. This Index applies to Two-Lane, Two-Way and Multilane Roadways, including Medians of divided roadways, with work on the shoulder.

2. L = Taper Length
   X = Work Zone Sign Spacing
   B = Buffer Length
   See Index 102-600 for "L", "X", "B", and channelizing device spacing values.

3. Where work activities are between 2' and 15' from the edge of traveled way, the Engineer may omit signs and channelizing devices for work operations 60 minutes or less.

4. When four or more work vehicles enter the through traffic lanes in a one hour period (excluding establishing and terminating the work area), use a flagger or lane closure to accommodate work vehicle ingress and egress.

5. For work less than 2' from the traveled way and work zone speed is greater than 45 MPH, use a lane closure.

6. The "Speeding Fines Doubled When Workers Present" signs (M0T-13-06) and "End Road Work" Signs (G20-2) along with the associated work zone sign spacing distances may be omitted when the work operation is in place for 24 hours or less.

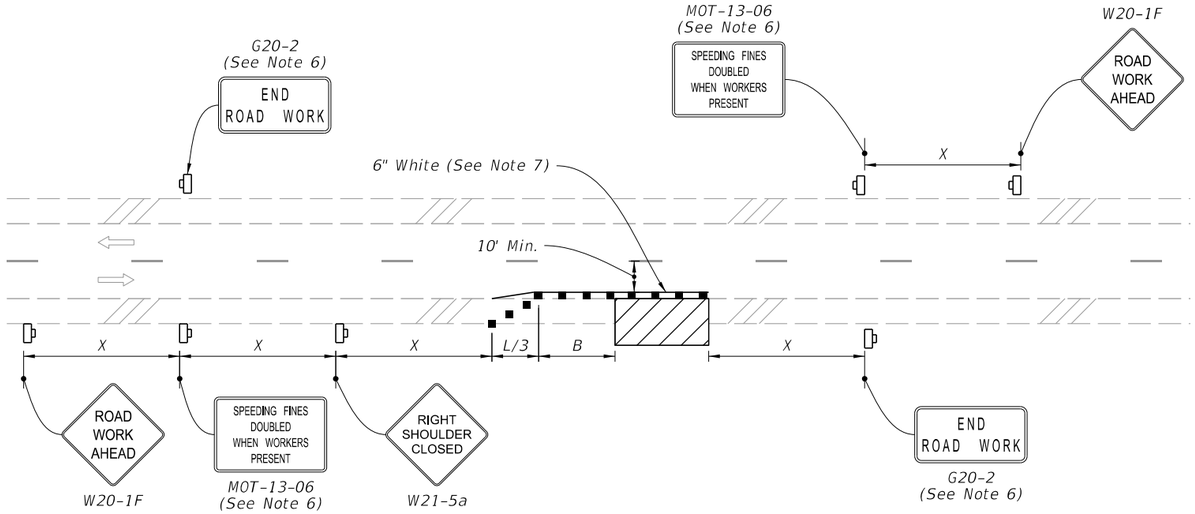
7. Temporary pavement markings may be omitted when the work operation is in place for 3 days or less.

8. Omit "Shoulder Closed" signs (W21-5a) along with associated work zone sign spacing distances for work on the median.

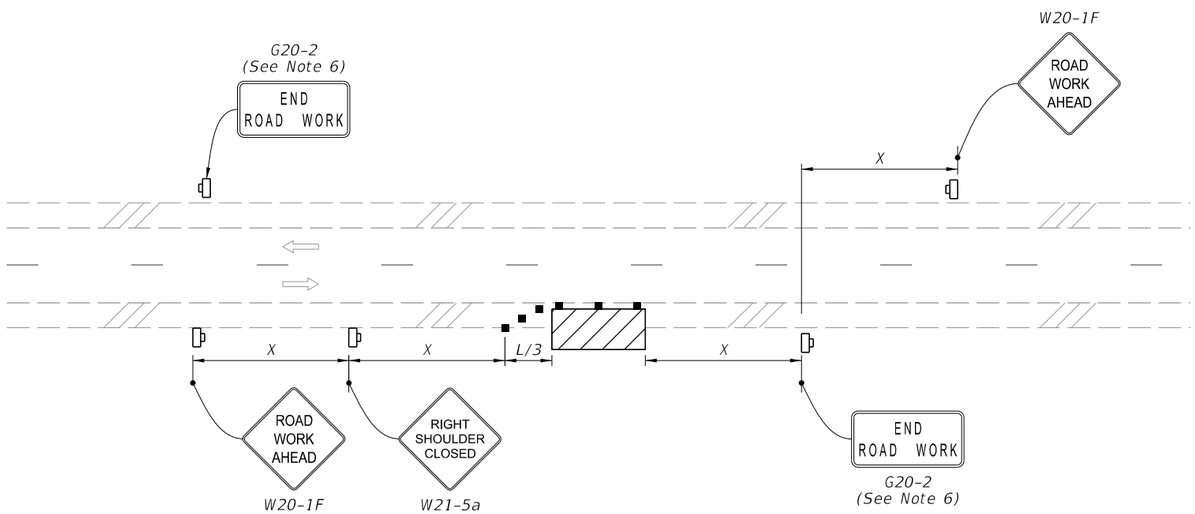
9. When there is no paved shoulder, the "Worker" sign (W21-1) may be used instead of the "Shoulder Closed" sign (W21-5a).

SYMBOLS:

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Lane Identification and Direction of Traffic



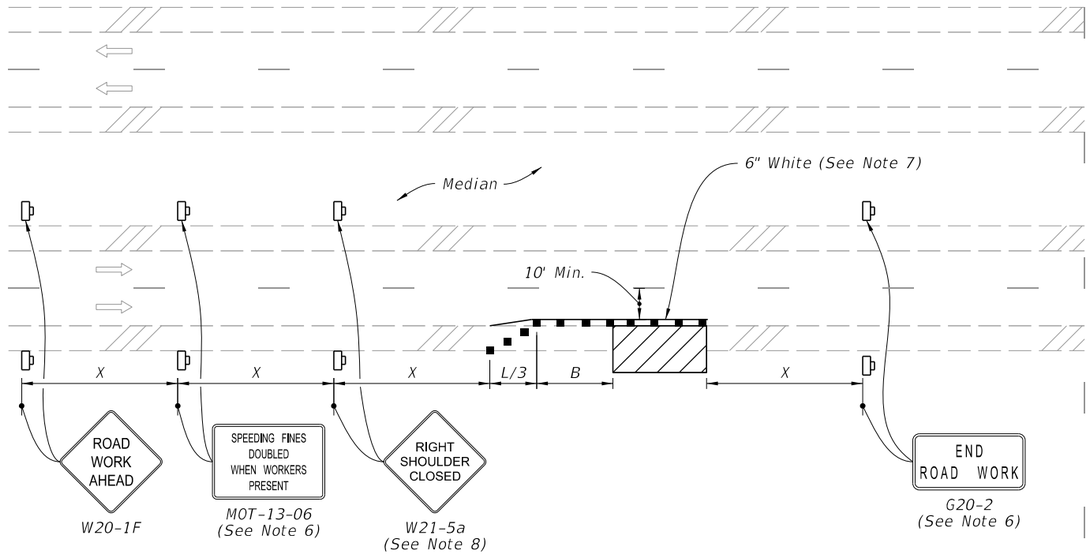
TWO-LANE ROADWAY
SHOULDER WORK LESS THAN 2' FROM THE TRAVELED WAY
WITH WORK ZONE SPEED OF 45 MPH OR LESS



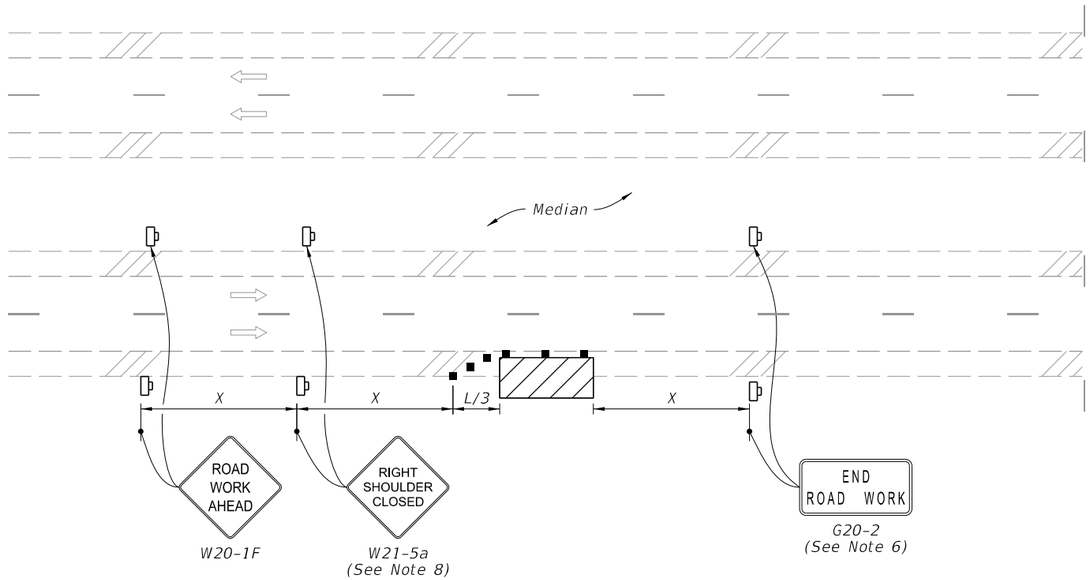
TWO-LANE ROADWAY
SHOULDER WORK BETWEEN 2' AND 15' FROM THE TRAVELED WAY

9/10/2024 10:45:37 AM

LAST REVISION	REVISION	DESCRIPTION:			INDEX	SHEET
11/01/21			FY 2025-26 STANDARD PLANS	TWO-LANE AND MULTILANE, WORK ON SHOULDER	102-602	1 of 2



MULTILANE ROADWAY
SHOULDER WORK LESS THAN 2' FROM THE TRAVELED WAY
WITH WORK ZONE SPEED OF 45 MPH OR LESS



SYMBOLS:

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Lane Identification and Direction of Traffic

MULTILANE ROADWAY
SHOULDER WORK BETWEEN 2' AND 15' FROM THE TRAVELED WAY

9/10/2024 10:45:44 AM

LAST REVISION	REVISION	DESCRIPTION:				
11/01/20			FDOT FY 2025-26 STANDARD PLANS	TWO-LANE AND MULTILANE, WORK ON SHOULDER	INDEX 102-602	SHEET 2 of 2

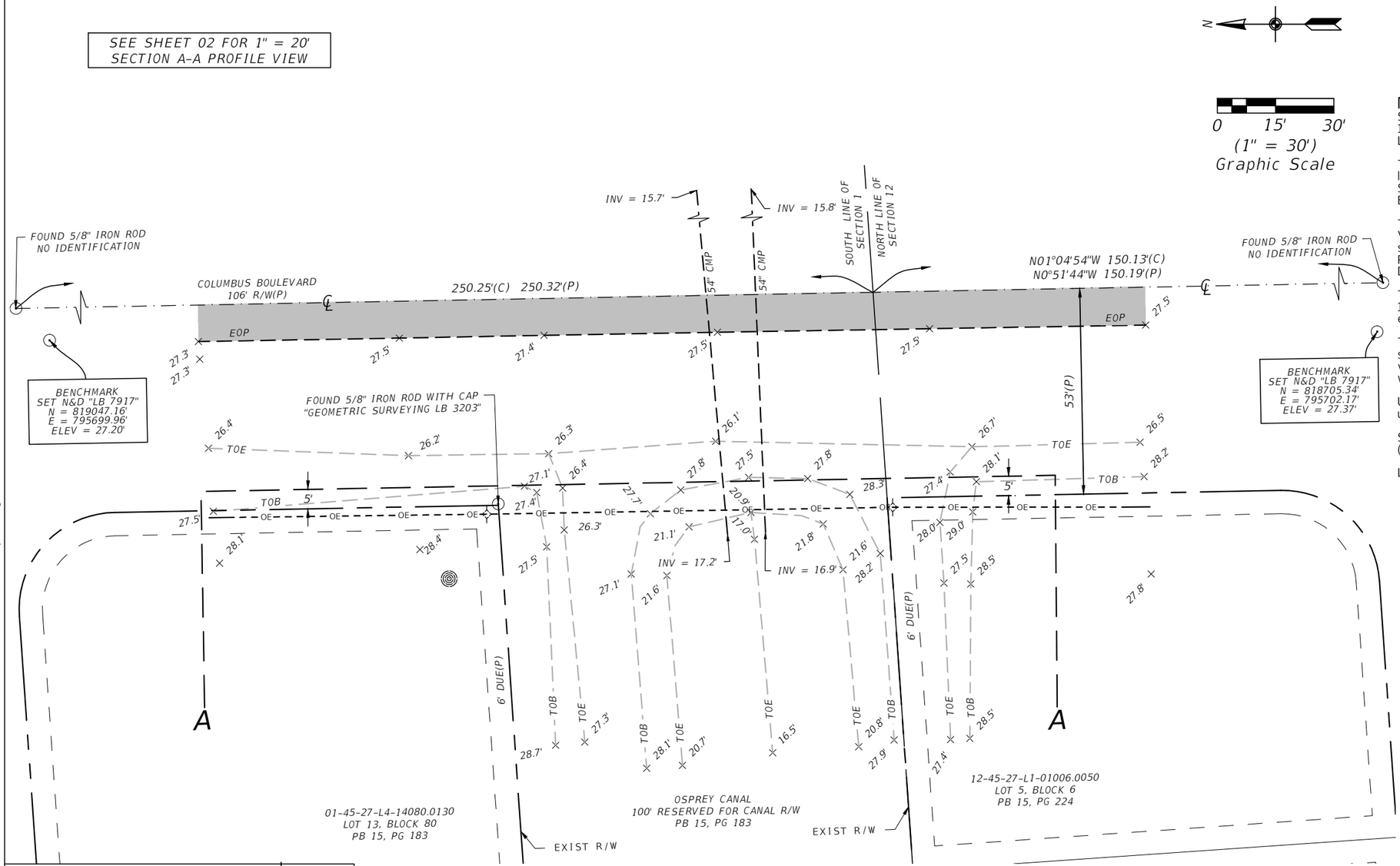
Topographic Survey of a Subject Project Site

lying within

Section 1 & 12, Township 45 South, Range 27 East

Lehigh Acres, Lee County, Florida

SEE SHEET 02 FOR 1" = 20'
SECTION A-A PROFILE VIEW



0 15' 30'
(1" = 30')
Graphic Scale

NOTES:

Survey based on the plat of Unit 14 as recorded in Plat Book 15 Page 183 and Unit 2 as recorded in Plat Book 15 Page 224, Public Records of Lee County, Florida and existing monumentation.

This survey prepared as a Topographic Survey for the purpose of locating the features within and adjacent to the Lehigh Acres Municipal Services Improvement District-managed facility West of Columbus Boulevard South between Randolph Street and Cherry Street East.

The elevations shown hereon are referenced to the North American Vertical Datum of 1988 (NAVD 1988). All elevations are reported in US survey feet and decimals thereof and are based upon the Florida Permanent Reference Network (FPRN) stations maintained by the Florida Department of Transportation.

The subject site lies within Zone "X" per FEMA insurance rate map 125124 0479F (Published 08/28/2008), therefore has no base flood elevation.

The FEMA flood zone information indicated hereon is based on the maps supplied by the Federal Government. This flood information must be verified with all permitting regulatory entities prior to commencing any work or application dependent on said flood information.

Underground improvements, utilities and/or foundations were not located unless otherwise noted. Wetlands, if any, were not located.

Subject to easements, restrictions, reservations, and rights-of-way (recorded and unrecorded, written and unwritten).

Last day of field work: 12/11/2025

TAYLOR J. HENNINGE
License Number
7279
STATE OF FLORIDA
Professional Surveyor and Mapper

TAYLOR J. HENNINGE
PROFESSIONAL SURVEYOR AND MAPPER
FLORIDA CERTIFICATE NO. LS# 7279

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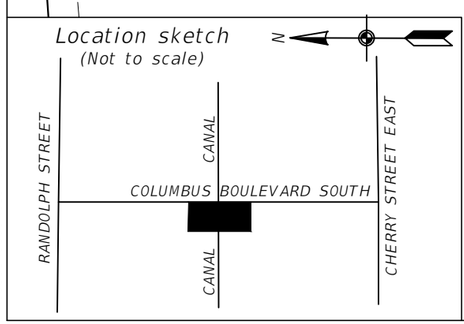

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File name: L030-1203 Cherry St.dwg	Field book/page: 106981-1/28	Project No.: 106980001-L030	
Survey date: 12/11/2025	Drawn by: KB	Checked by: TJH	Sheet No.: 01 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L030-1203 CHERRY ST (COLUMBUS BLVD)\L030-1203 Cherry St.dwg

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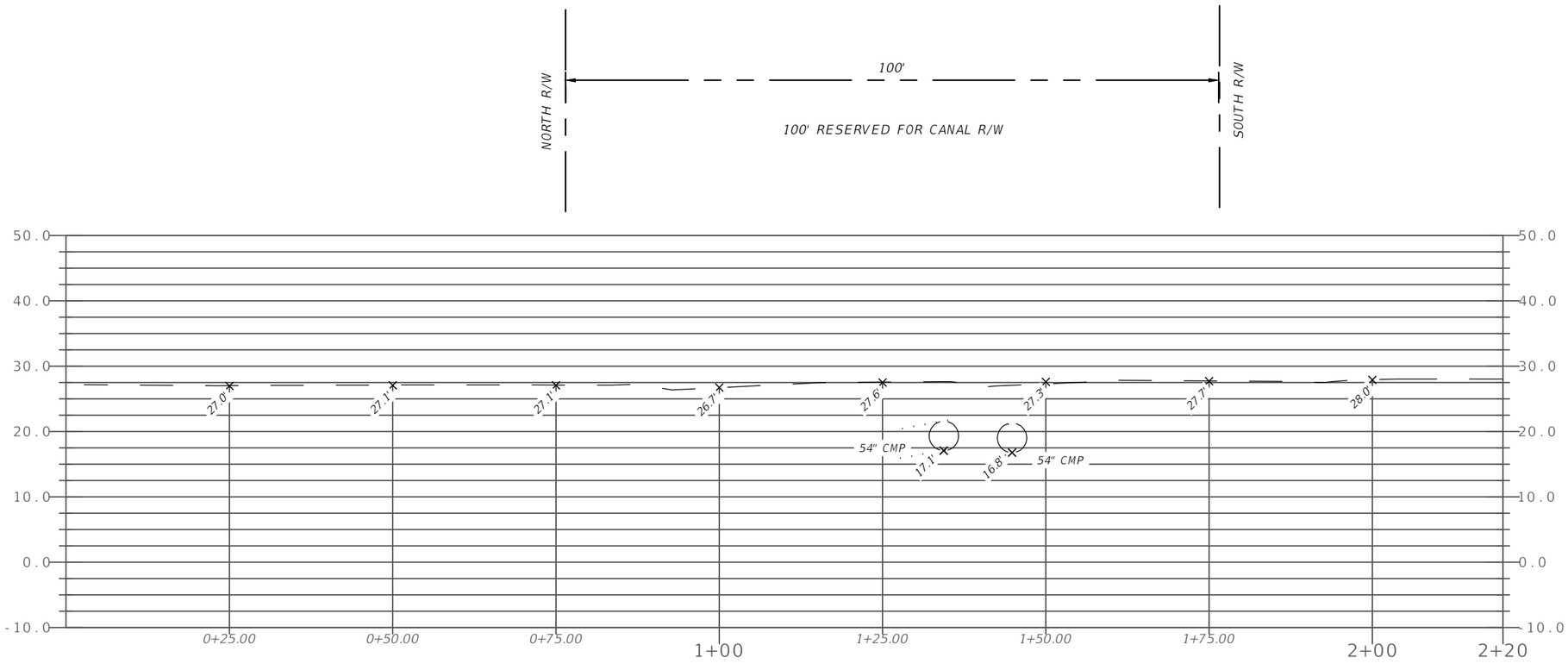

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Columbus Boulevard, Lehigh Acres

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I:\10698\0001\Geomatics\90-WORK ORDERS\L030-1203 CHERRY ST (COLUMBUS BLVD)\L030-1203 Cherry St.dwg

PLAT BOOK 15 PAGE 183



PLAT OF UNIT 14
SECTION 1, TWP. 45 S., RGE. 27 E.
A SUBDIVISION OF

LEHIGH ACRES

LEE COUNTY, FLORIDA

100 50 0 100 200
SCALE IN FEET

All lots subject to a 6 foot Utility Easement on both sides and back, and a 6 foot Drainage Easement on the front and sides of lot on 50 foot R/W.

Interior P.R.M.s are 4" x 4" x 24" concrete.

• Denotes P.R.M.s

All corner lot radii are 25 feet except as shown and the lot dimensions are to the straight line intersections, except where arc distances are shown.

All Canals are hereby dedicated to East County Water Control District.

x Witness Monument.

PLAT OF SECTION I

A SUBDIVISION OF

LEHIGH ACRES

LEE COUNTY, FLORIDA
LEE COUNTY LAND AND TITLE COMPANY
DEVELOPERS

DESCRIPTION

ALL OF SECTION I, TOWNSHIP 45 SOUTH, RANGE 27 EAST, LEE COUNTY, FLORIDA

KNOW ALL MEN BY THESE PRESENTS, THAT LEE COUNTY LAND AND TITLE COMPANY, A CORPORATION UNDER THE LAWS OF FLORIDA, BEING THE OWNER OF THE LAND DESCRIBED IN THE CAPTION HEREON HAS CAUSED THIS PLAT OF SECTION I, LEHIGH ACRES TO BE MADE AND DO HEREBY DEDICATE TO THE PERPETUAL USE OF THE PUBLIC STREETS, ROADS, DRIVES AND/OR LANES SHOWN HEREON. ALL CANAL RIGHTS OF WAY ARE HEREBY DEDICATED TO THE EAST COUNTY WATER CONTROL DISTRICT.

IN WITNESS WHEREOF GERALD H. GOULD AND EDWARD SHAPIRO, RESPECTIVELY PRESIDENT AND SECRETARY OF LEE COUNTY LAND AND TITLE COMPANY, BY AND WITH AUTHORITY OF IT'S BOARD OF DIRECTORS HAVE EXECUTED THESE PRESENTS FOR AND ON BEHALF OF SAID CORPORATION AND CAUSED IT'S CORPORATE SEAL TO BE AFFIXED THIS 19 DAY OF December A.D. 1962

LEE COUNTY LAND AND TITLE CO.

BY Gerald H. Gould
President

ATTEST Edward Shapiro
Secretary

STATE OF FLORIDA
COUNTY OF LEE

I HEREBY CERTIFY THAT ON THIS DAY, BEFORE ME AN OFFICER DULY AUTHORIZED TO TAKE ACKNOWLEDGEMENTS, PERSONALLY APPEARED GERALD H. GOULD AND EDWARD SHAPIRO, RESPECTIVELY PRESIDENT AND SECRETARY OF LEE COUNTY LAND AND TITLE COMPANY, TO ME KNOWN TO BE THE PERSONS DESCRIBED IN AND WHO EXECUTED THE FOREGOING DEDICATION AS PRESIDENT AND SECRETARY RESPECTIVELY OF LEE COUNTY LAND AND TITLE COMPANY FOR THE PURPOSES THEREIN SET FORTH.

WITNESS MY HAND AND OFFICIAL SEAL AT FORT MYERS, SAID COUNTY AND STATE THIS 19th DAY OF December A.D. 1962

Jean Weledle
NOTARY PUBLIC STATE OF FLORIDA AT LARGE
My Commission Expires Notary Public State of Florida at Large
My Commission Expires May 19, 1964

ALL BEARINGS ARE FROM TRUE MERIDIAN BASED ON OBSERVATION OF POLARIS AT S.W. CORNER OF SECTION 30, TOWNSHIP 44 S., RANGE 27 E., LEE COUNTY, FLORIDA

APPROVALS

THIS PLAT APPROVED THIS 19th DAY OF Dec. A.D. 1962 IN OPEN MEETING OF THE BOARD OF COUNTY COMMISSIONERS OF LEE COUNTY, FLORIDA.

APPROVED George S. Hunter
Chairman

D. L. Farahee
Clerk

Frank H. Carver
County Attorney

[illegible]
County Engineer

I HEREBY CERTIFY THAT THIS PLAT OF SECTION I, LEHIGH ACRES, HAS BEEN EXAMINED BY ME AND FROM MY EXAMINATION I FIND THAT SAID PLAT COMPLIES IN FORM WITH THE REQUIREMENTS OF SURVEY LAWS OF FLORIDA.

I FURTHER CERTIFY THAT SAID PLAT WAS FILED FOR RECORD AT FORT MYERS THIS 31st DAY OF Dec. A.D. 1962, AND DULY RECORDED IN PLAT BOOK 15 ON PAGE 169-185 OF PUBLIC RECORDS OF LEE COUNTY, FLORIDA.

D. L. Farahee
Clerk Of The Circuit Court In And For Lee County

CERTIFICATE OF SURVEY

I HEREBY CERTIFY THAT THIS PLAT IS A CORRECT REPRESENTATION OF A SURVEY MADE UNDER MY DIRECTION AND THAT PERMANENT REFERENCE MONUMENTS HAVE BEEN PLACED AS SHOWN.

[illegible]
FLORIDA REGISTERED LAND SURVEYOR No. 1198

THE OWNER DOES HEREBY DEDICATE TO THE PERPETUAL USE OF THE EAST COUNTY WATER CONTROL DISTRICT THE CANAL RIGHTS OF WAY SHOWN HEREON AND ALL PRESENT AND FUTURE WORKS BUILT OR CONSTRUCTED WITHIN THESE RIGHTS OF WAY SHALL BE OWNED AND MAINTAINED BY SAID EAST COUNTY WATER CONTROL DISTRICT.

PART IV #26-108

Recommended Action

Engineering Review:

By: _____6/18/2026 **Approved _X_ Denied __**

District Field Review:

By: _____ Approved ___ Denied ___

District Manager: _____ Date: _____

Comments:

The referenced permit application submitted by Lumos Fiber of Florida, LLC for a subaqueous crossing under Osprey Canal (57-1-2) at 1208 Cherry St. in Lehigh Acres, has been reviewed and is recommended for approval with the following stipulations:

1. On sheet 7 of the plans, please remove or modify dimensions of 21.4' and 20.8', as well as make the bore elevations (6.3') more noticeable to avoid construction site mistakes.

2. On sheet 7 of the plans, minimum 10' offset from canal bottom, Disturbed R/W sodding requirements, and 48" minimum bore offsets from pavement notes are missing, please revise.

3. On sheet 11 of the plans, the culvert crossing detail specifies 24" minimum offset from culvert, if the detail is depicting a canal crossing, the offset should be 120" or 10'. If not, please include a note to clarify that the details do not apply to LA-MSID canal crossing.

4. Permanent above-ground cable markers must be placed at the canal right-of-way (R/W) line on each side of the crossing.

5. Any disturbed canal R/W must be restored with sod and maintained until fully established. Seeding will not be permitted.

6. Within 30 days of completing the improvements, provide LA-MSID with a copy of the survey record drawings indicating the location and elevation of utilities within the canal R/W.

7. The permittee will be responsible for any necessary repairs, alterations, or relocation of the utility if required for future maintenance or repairs of the canal.

8. Lee County DOT must review and approve any utility work proposed within the County Road R/W.

LEHIGH ACRES - MUNICIPAL SERVICES IMPROVEMENT DISTRICT
PERMIT

THIS PERMIT is granted this 20th day of July, 2026, by Lehigh Acres Municipal Services Improvement District (hereinafter referred to as "DISTRICT"), 601 East County Lane, Lehigh Acres, Florida 33936, to Lumos Fiber of Florida, LLC, 4100 Mendenhall Oaks Parkway, Suite 300, High Point, NC 27265, hereinafter referred to as the "Permittee") as a non-exclusive permit for a directional bore under Kite Canal (57-2-2), along the west side of Grant Blvd., between Auburn Ave. S. & Anderson St., in Lehigh Acres, FL.

W I T N E S S E T H:

1. In the event the DISTRICT is not the fee title owner of the real property (the "Property") to which this Permit is applicable, the Permittee agrees, prior to commencement, to obtain all necessary consents from the fee title owners of the Property.

2. This Permit does not constitute a waiver of the necessity by the Permittee to obtain such other necessary and appropriate permits required by other governmental bodies or agencies; therefore the Permittee, prior to commencement, is required to obtain any and all other applicable federal, state, and local permits required in connection with Permittee's use of the Property and agrees that at all times it will comply with the requirements of all federal, state and local laws, ordinances, rules and regulations applicable or pertaining to the use of the Property by the Permittee.

3. Permittee understands and agrees that the use of the Property pursuant to this Permit is subordinate to the rights and interests of the DISTRICT and to the extent applicable that of the fee title owner of the Property. Further, Permittee does hereby stipulate that the Permittee is not relying upon any representations whatsoever by the DISTRICT regarding the DISTRICT'S right, title, interest, or ownership as to the Property for which this Permit is applicable.

4. The Permittee, by accepting this permit, specifically agrees to allow authorized District Personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:
    a. Having access to and copying any records that must be kept under the conditions of the permit:
    b. Reviewing the facility, equipment, practices, or operations regulated or required under this permit; and
    c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or District rules.

5. The DISTRICT specifically reserves the right to maintain its facilities located over, under or upon the Property; to make improvements; add additional facilities; maintain, construct or alter its roads; maintain any facilities, devices, or improvements on the Property which aid in or are necessary to the DISTRICT'S operation; and the right to enter upon the Property at all times for such purposes. Permittee understands that in the exercise of such rights and interest, the DISTRICT may require Permittee, at no cost to DISTRICT, to relocate, alter, or remove the Permittee's facilities and equipment or other improvements made by Permittee pursuant to this Permit which interfere with or prevent the DISTRICT, in the DISTRICT'S opinion, from properly and faithfully constructing, improving and maintaining its facilities. If the Permittee should fail to relocate, alter, or remove the Permittee's facilities, equipment or other improvements made by the Permittee pursuant to this Permit within a reasonable time period following receipt of notice from the DISTRICT requesting same, then in that event the DISTRICT shall have the right to enter upon the lands and make such relocation, alterations or removal of the Permittee's facilities, equipment/or other improvements at no cost to DISTRICT.

6. Permittee agrees that it will not use the Property in any manner which interferes with the DISTRICT'S

use of the Property or causes a hazardous condition to exist.

7. The DISTRICT assumes no responsibility for the ownership, operation and/or maintenance of the Permittee's facilities as permitted herein.

8. The Permittee agrees to backfill any excavation it makes within the Property and to repair or replace (i) any below-grade authorized facilities and features located therein, including but not limited to: water, sewer, stormwater or irrigation facilities, structures or appurtenances and (ii) as to at or above-grade facilities and features, this requirement shall only be applicable to grasses and sod, sidewalks, and roadway improvements (the term roadway improvements shall include but not be limited to curbing, roadway base, sub grade and asphaltic or concrete surfaces) which are removed or damaged as a direct result of said excavation. Such repair or replacement shall substantially restore these features to their condition as it existed immediately prior to the event precipitating the excavation.

9. All below-grade Permittee installations, including water and sewer lines, whether sub aqueous or not, together with appurtenant facilities, shall be located underground and have a minimum ground cover of thirty inches (30") below original design profile grade, including District waterways and roadways.

10. All Permittee activity related to sub aqueous utility, water and/or sewer lines, including appurtenant facilities, shall be conducted in such fashion that the primary functional purpose of the canal or lake body facility, specifically flood control, within which the activity is taking place is not adversely affected. More specifically, sub aqueous construction shall conform to the criteria given in the Lehigh Acres Municipal Services Improvement District (Lehigh Acres – MSID) Administrative Policy and Procedures.

11. Permittee shall, at no expense to DISTRICT and within a reasonable time following notice, adjust the positions and elevations of its facilities as may be required in connection with future improvements to, or construction of, works of the DISTRICT.

12. Permittee does hereby indemnify and hold harmless the DISTRICT, its Board of Commissioners, officers, personnel, and it's Engineers against any claims, losses, damages (including consequential), expenses, or legal fees that might arise out or result from the implementation of the proposed project by the Permittee or that may be caused by a failure of DISTRICT facilities or property.

13. The Permittee shall be obligated at the time of submission of its Permit application, to provide a detail of any other existing improvements located over, under, upon or through the Property and the Permittee's accompanying plans and specifications shall clearly indicate how the Permittee will comply with required clearances between the requested permitted activity and existing improvements located over, under and upon the Property, including compliance with other permitted users duly adopted and published standards.

14. Permittee shall reimburse the DISTRICT for its legal, engineering and other expenses incurred as a result of the implementation of the proposed project.

15. If Permittee should violate any of the terms or conditions of the Permit and shall not correct or remedy same within ten (10) days of receiving written notice of said violation from the DISTRICT, then in that event, the DISTRICT may, at its option, revoke, cancel and terminate this Permit.

16. This Permit may not be assigned by the Permittee without the prior written approval of the DISTRICT.

17. Unless otherwise adjusted, modified or terminated as set forth hereinabove, including the Conditions attached hereto, this Permit shall continue in full force and effect so long as Permittee complies with the

terms of this Permit.

18. In any litigation, including breach, enforcement or interpretation arising out of this Permit, the prevailing party to this Permit shall be entitled to recover reasonable attorney's fees, costs and expenses related to said action from the non-prevailing party.

19. That attached hereto are Supplemental Conditions to this Permit which are incorporated herein and made a part hereof.

LEHIGH ACRES – MUNICIPAL SERVICES IMPROVEMENT DISTRICT

BY: _____

NAME TYPED: David E. Lindsay

TITLE: District Manager

SUPPLEMENTAL CONDITIONS TO PERMIT NO. 26-109

A. GENERAL CONDITIONS

1. Notification shall be given by the Permittee to the District Engineer, AIM Engineering, at 239-332-4569 forty-eight (48) hours prior to commencement of the permitted activity. The District Engineer shall establish points of construction, if applicable, which will require inspection by the District Engineer prior to construction of the permitted activity. When the Permittee considers the permitted activity complete, the Permittee shall notify the District Engineer and schedule an on-site final inspection which shall be held in the presence of a representative of the Permittee and the District Engineer.

2. The permitted activity shall be implemented, constructed and/or installed in full accordance with the approved plans and specifications within six (6) full calendar years from the date of permit approval. Deviations from the approved plans or specifications shall be coordinated with and approved by the District Engineer prior to implementation of any such deviation.

3. When working in a District road right-of-way, not more than one-half (½) of the road or street shall be closed and traffic shall be controlled so as to provide for the safety and minimum hindrance to the public. All traffic control operations shall conform to the most current issue of the Florida Department of Transportation publication "Manual on Traffic Controls and safe Practices for Street and Highway Construction, Maintenance and Utility Operations."

4. The District Engineer shall be the final authority as to the quality and quantity of the material and works required to satisfy the terms and conditions of this Permit as they relate to District improvements and facilities.

5. Upon completion of the permitted activity and after its final review and acceptance by the District Engineer THE PERMITTEE SHALL DELIVER TO THE DISTRICT OFFICE ONE COMPLETE SET OF THE FINAL "RECORD DRAWINGS." FAILURE TO PROVIDE THE FINAL RECORD DRAWINGS MAY RESULT IN THE REVOCATION, CANCELLATION AND TERMINATION OF THIS PERMIT.

6. The above Conditions shall be continuing obligations of the Permittee and shall be complied with in the event of any subsequent maintenance, repair, replacement or modification of the permitted improvement.

Stipulations:

1). Permit #26-109 is approved according to the plans submitted June 11th, 2026.

2). The proposed directional bore must maintain a minimum clearance of 10 feet below the bottom elevation of the canal for the entire 80' within the canal right of way.

3). Permanent utility markers, (at least 4' high) with the utility companies contact information clearly labeled on it, must be installed at each canal right of way line over top the proposed line.

4). All guy wires, poles, pull boxes, etc. must be located outside of the canal right of way and not interfere with the District's canal maintenance activities.

5). All canal R/W that is disturbed must be restored with sod and maintained until well established (no seeding will be allowed).

6). Boring contractor is not allowed to pump water out of the LAMSID canals for their boring operations unless they apply for and receive a water use permit from LAMSID.

7). The Permittee will be responsible for any repairs, alterations, or relocation of the utility if required for repairs or maintenance of the canal in the future.

8). Provide LAMSID with a copy of your record drawings and a copy of your bore depth logs showing where your utilities are located within the canal R/W and at what elevation they are located, within 30 days following completion of the improvements.

9). Lee County DOT must review and approve the utility work that is outside of the canal right of way along Grant Blvd.

05 - 38 - 26
26 - 109

APPLICATION FOR A PERMIT

*Note: The review of permit applications will be conducted per the Lehigh Acres Municipal Services Improvement District's Administrative Policy and Procedures

AGENT NAME: WILLIAM KIEFER **PHONE #:** (515) 306 - 3403

PROJECT NAME: LE1_007_FDH_005 1051 ANDERSON ST - KITE CANAL 57-2-2

TOTAL ACREAGE: N/A

Property Address (STRAP associated with this address will be used as the primary STRAP for this project): 1051 ANDERSON ST E					
Mailing Address:	N/A				
City:	LEHIGH ACRES	**State:**	FLORIDA	**Zip:**	33974

STRAP NUMBERS (*attach additional sheet if necessary*)**:**

02 - 45 - 27 - L2 - 05033 - 0640

Brief description of proposed project:

Application for: DIRECTIONAL BORE 2x1.25" HDPE SDR 11 CONDUIT 80' IN THE LAMSID ROW OF KITE CANAL 57-2-2 ALONG GRANT BLVD

RECEIVED
JUN 18 2026
LEHIGH ACRES
MUNICIPAL SERVICES
IMPROVEMENT DISTRICT

Is the project proposed to be developed in phases? ☐ Yes ☑ No

Estimated # of Phases:	1
***Permit Fee:**	$ 1950.00 **(to be verified by staff)**

* See Administrative Policy and Procedures Sections 4.15 – 4.17 for current Permit Fee Amount.

PART II

OWNER/APPLICANT/ DEVELOPER INFORMATION

A.

Name of Applicant	LUMOS FIBER OF FLORIDA, LLC						
Mailing Address:	**Street:**	4100 MENDENHALL OAKS PKWY, SUITE 300					
City:	HIGH POINT	**State:**	NORTH CAROLINA		**Zip:**	27265	
Phone No.	**Area Code:**	515	**Number:**	306 - 3403	**Ext.**		
Fax No.	**Area Code:**		**Number:**	-			
E-mail Address:	WILLIAM.KIEFER@LUMOSFIBER.COM						

B. Relationship of applicant to property*:

Owner* ☐ **Trustee*** ☐ **Option holder*** ☐ **Lessee*** ☐

Contract Purchaser* ☐ **Other (indicate)*** ☑ UTILITY

C.

Name of Developer:	MILENIUM DIRECTIONAL DRILLING, INC						
Mailing Address:	**Street:**	5395 COGSWELL DR					
	WAYNE	**State:**	MI		**Zip:**	48184	
	Area Code:	(313)	**Number:**	326 - 2333	**Ext.**		
Fax No.	**Area Code:**	( )	**Number:**	-			
E-mail Address:	FELECAND@MILENIUMBORS.COM						

D.

Name of Authorized Agent(s):	CENTILLION SOLUTIONS						
Mailing Address:	Street:	6030 BETHELVIEW RD, SUITE 301					
City:	CUMMING	State:	GEORGIA		Zip:	30040	
Phone No.	Area Code:	(480)	Number:	442 - 0562	Ext.		
Fax No.	Area Code:	( )	Number:	-			
E-mail Address:	KYLE.PARKEY@CENTILLIONSOLUTIONS.COM						

E.

Name of Property owner:	N/A						
Mailing Address:	Street:						
City:		State:			Zip:		
Phone No.	Area Code:	( )	Number:	-	Ext.		
Fax No.	Area Code:	( )	Number:	-			
E-mail Address:							

*A disclosure of the name of all persons or entities having an ownership interest in the property is required (attached).

PART III

DISCLOSURE OF OWNERSHIP INTEREST FORM FORM:

PRIMARY STRAP NUMBER:

1. If the property is owned in the fee simple by an **INDIVIDUAL**, tenancy by the entirety, tenancy in common, or joint tenancy, list all parties with an ownership interest as well as the percentage of such interest.

Name and Address	Percentage of Ownership

2. If the property is owned by a **CORPORATION**, list the officers and stockholders and the percentage of stock owned by each.

Name, Address, Office	Percentage of Stock

3. If the property is in the name of a **TRUSTEE**, list the beneficiaries of the trust with percentages of interest.

Name and Address	Percentage of Interest

4. If the property is in the name of a **GENERAL PARTNERSHIP OR LIMITED PARTNERSHIP**, list the names of general and limited partners.

Name and Address	Percentage of Interest

5. If there is a **CONTACT FOR PURCHASE**, whether contingent on this application Or not, and whether a Corporation, Trustee, or Partnership, list the names of the contract purchasers below, including the officers, stockholders, beneficiaries, or partners.

Name and Address	Percentage of Interest

Date of Contract (mm/dd/yy): / /

6. If any contingency clause or contract terms involve additional parties, list all individuals or officers, if a corporation, partnership, or trust.

Name and Address	Percentage of Interest

For any changes of ownership of changes in contracts for purchase subsequent to the date of the application, but prior to the date of final certificate for compliance, a supplemental disclosure of interest must be filed.

The above is a full disclosure of all parties of interest in this application, to the best of my knowledge and belief.

William Kiefer
SIGNATURE OF APPLICANT

WILLIAM KIEFER
PRINTED OR TYPED NAME OF APPLICANT

STATE OF FLORIDA
COUNTY OF LEE

The foregoing instrument was acknowledged before me this 17th day of June (m), 2026 (y), by William Kiefer who is personally know to me or has produced _____ as identification.

Shandie N Bradshaw
SIGNATURE OF NOTARY PUBLIC

Shandie N Bradshaw
PRINTED NAME OF NOTARY PUBL

SHANDIE NICOLE BRADSHAW NOTARY PUBLIC REG. #7132142 MY COMMISSION EXPIRES August 31, 2026 COMMONWEALTH OF VIRGINIA

PART IV

EXPLANATION

All Permit Application sections must be completed and submitted.

Permit Application fees and submittal items (see Part VI) must be submitted with the application.

Any and all work involving the lands and/or facilities of the District shall not commence without a Board approved permit.

All set policies, procedures, technical requirements, and fee schedules can be found and reviewed in the 'Administrative Policy and Procedures Guide'. The Guide is available at the District Office located at 601 East County Lane, Lehigh Acres, FL or online at la-msid.com/.

PART V

PROFESSIONAL CONSULTANT FORM

ATTORNEY

Name:							
Mailing Address:							
City:		**State:**			**Zip:**		
Business No.	**Area Code:**	( )	**Number:**	-	**Ext.**		
Other Contact:							

ENGINEER

Name:	MCKIM & CREED						
Mailing Address:	5701 DIVISION DR, STE A						
City:	FORT MYERS	**State:**		FLORIDA	**Zip:**	33905	
Business No.	**Area Code:**	(239)	**Number:**	980 - 3384	**Ext.**		
Other Contact:							

OTHER REPRESENTATIVE/PROFESSIONAL

Name:	BLAIR CONSULTING SERVICES, INC						
Mailing Address:	1428 SUNBLUSH LN						
City:	LAS VEGAS	**State:**		NV	**Zip:**	89117	
Business No.	**Area Code:**	(813)	**Number:**	579 - 0128	**Ext.**		
Other Contact:							

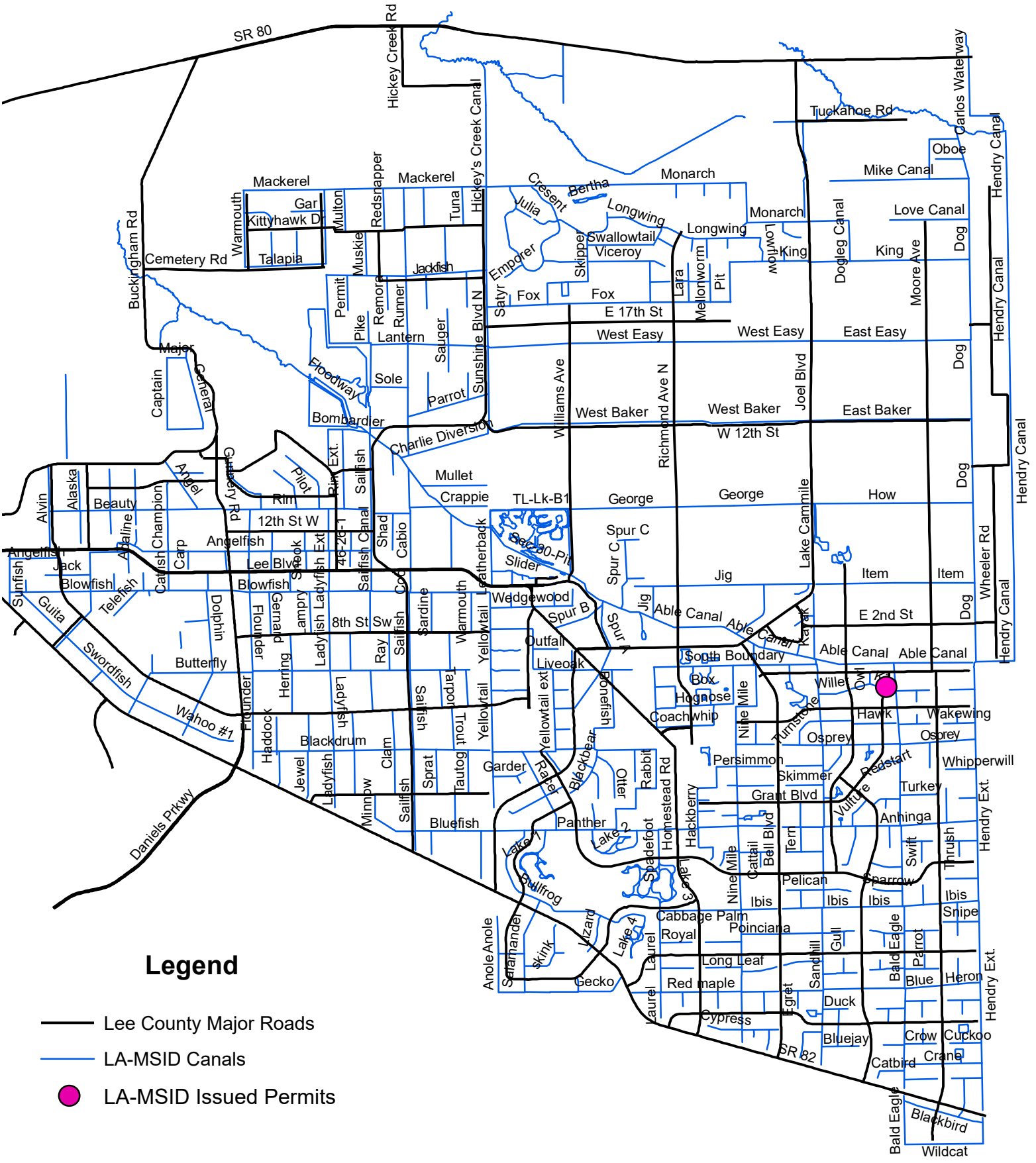
PART VI

SUBMITTALS

NO. OF COPIES		SUBMITTAL DOCUMENT
SUB'D	REQ'D	
		ITEMS REQUIRED FOR INITIAL SUBMITTAL
2	2	**Construction/Development Plans** signed and sealed by a Licensed Florida Professional Engineer including: 1. Location map showing the location of the proposed project in relation to adjacent streets and LA-MSID facilities. 2. Details of proposed works that fully communicate the work and/or use desired (i.e. Existing Conditions Survey, Proposed Site Plan, Paving Grading & Drainage Plan, Cross Sections, Element Details, and Erosion Control Plan sheets). 3. Sufficient survey data to determine elevations, property and ROW lines, limits of existing and proposed conditions, and notation of utilized vertical datum (NAVD/NGVD).
NA	2	**Stormwater Drainage Calculations** signed and sealed by a Licensed Florida Professional Engineer including, but not limited to, computer stormwater routing modeling data (ICPR4, Cascade, etc.) to verify compliance with the Design Criteria (input summary data below): **Water Quality Volume (Required):** _____(ACRE-FT) **Water Quality Volume (Provided):** _____(ACRE-FT) **Control Elevation:** _____(FT-NGVD) **Minimum Road/Parking Elevation:** _____(FT-NGVD) *(above the 10-year, 1-day design storm peak stage elevation)* **Minimum Perimeter Berm Elevation:** _____(FT-NGVD) *(above the 25-year, 3-day design storm peak stage elevation)* **Minimum Finished Floor Elevation:** _____(FT-NGVD) *(above the 100-year, 3-day design storm peak stage elevation and previously experienced high-water levels external to project)*
2	2	**Flash Drive / CD** containing plans in both AutoCAD (.dwg file drawn in "State Plane Coordinates") and PDF formats.
2	2	**Permit Application** (PARTS I & II)
2	2	**Disclosure of Owner Form (signed and notarized)** (PART III)
2	2	**Professional Consultant Form & Submittals** (PARTS V & VI)
NA	2	**Copy of Approved FDEP Notice of Intent (NOI)** for all sites one (1) acre and greater in size.
NA	2	**Copy of approved SWFMD permit**, for all sites required to get a permit, **or FDEP "10/2 Self-Certification"** approval.
1	1	**Check for appropriate Permit Fees** made out to LA-MSID.

Lehigh Acres Municipal Services Improvement District
♦601 East County Lane ♦Lehigh Acres, FL 33936 ♦Phone: (239) 368-0044

Permit # 2026-109

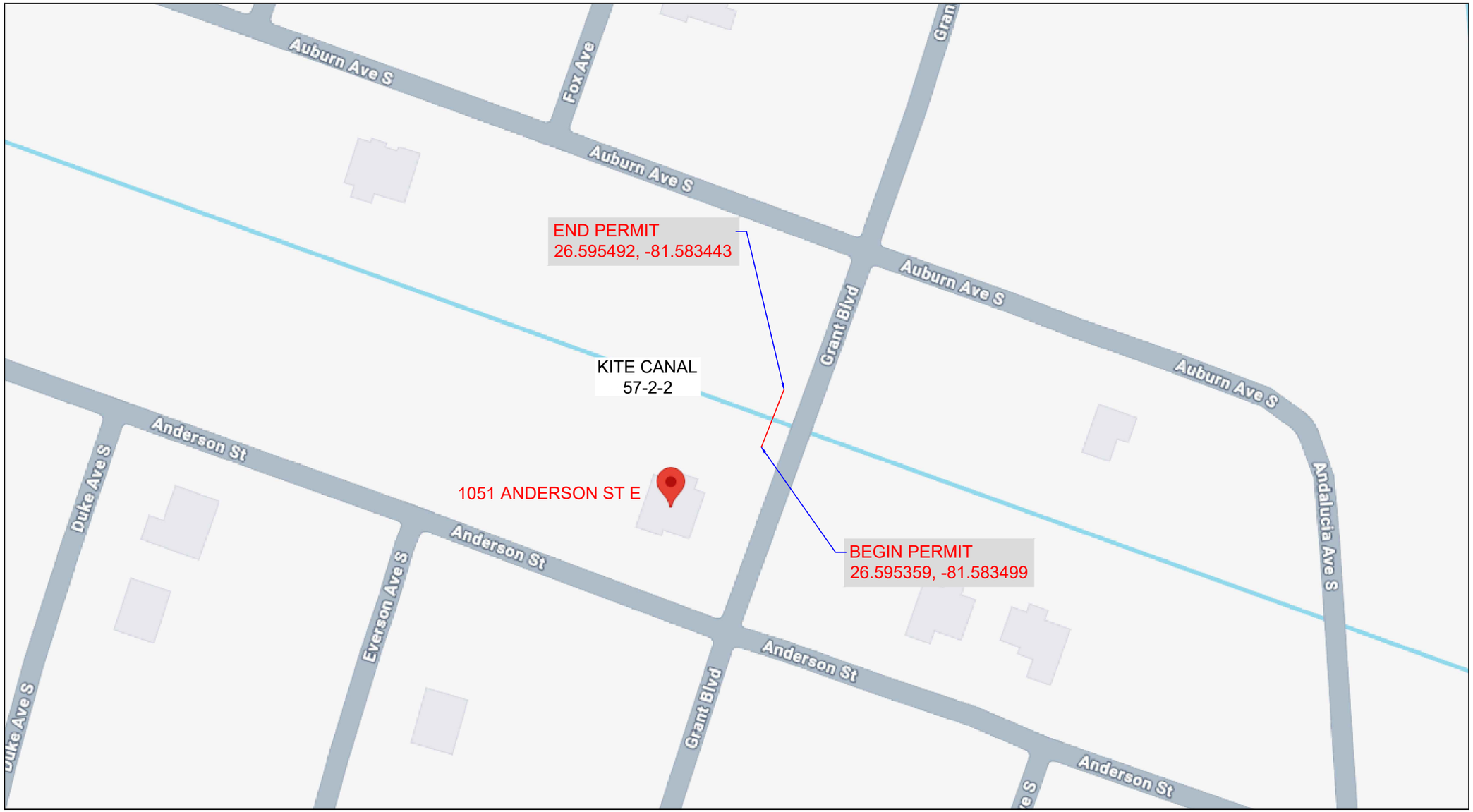


Legend

- Lee County Major Roads
- LA-MSID Canals
- LA-MSID Issued Permits

LE1_007_FDH_005 - LEHIGH ACRES_LEE COUNTY_FLORIDA - KITE CANAL

1051 ANDERSON ST E, LEHIGH ACRES, FL 33974 (26.595411, -81.583466)



PERMIT #:

PROJECT DESCRIPTION

- BURIED PLACEMENT OF 290' OF (2) 1.25" HDPE SDR 11 CONDUIT EQUIPPED WITH (1) 48-CT FIBER OPTIC CABLE. (0) PROPOSED HANDHOLES.
- PIPE TO BE INSTALLED BY MEANS OF HORIZONTAL DIRECTIONAL DRILLING AND HAND DIGGING METHODS.
- ALL AREAS DISTURBED BY INSTALLATION TO BE RESTORED TO EXISTING OR BETTER CONDITION.

DRAWING INDEX

SHEET NUMBER	SHEET TITLE	SHEET NUMBER	SHEET TITLE
1	COVER SHEET	7	PROFILE VIEW
2	SOW AND CONTACTS	8 - 9	IMAGES
3	LEGEND	10 - 12	TYPICALS
4 - 5	GENERAL NOTES		
6	PROJECT SHEETS		

PERMITTING AGENCY
LA - MSID

lumos

BLAIR CONSULTING SERVICES, Inc.

1428 SUNBLUSH LN
LAS VEGAS, NV 89117

811 Know what's below. Call before you dig.

Blair Consulting Services, INC
1428 Sunblush Ln, Las Vegas, NV 89117
Fabio Perassi - Project Manager
fsperassi@gmail.com

LUMOS
William Kiefer - OSP Project Engineer
william.kiefer@lumosfiber.com
Phone: (515) 306-3403

Jason Bush - Construction Manager
jason.bush@lumosfiber.com
Phone: (941)812-2913

EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND BASED ON AVAILABLE RECORDS AND FIELD OBSERVATIONS. CONTRACTOR IS RESPONSIBLE FOR CALLING 811 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES AND ANY DAMAGE TO THE UTILITIES SHALL BE IMMEDIATELY REPAIRED AT THE CONTRACTOR'S EXPENSE.

REVISION DATA

NO.	DESCRIPTION	BY	DATE
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SHEET TITLE:	COVER SHEET
PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_007_FDH_005
DESCRIPTION:	KITE CANAL
DRAWING NAME:	LE1_007_FDH_005 - LEHIGH ACRES_LEE COUNTY_FLORIDA - KITE CANAL
SHEET:	1 OF 12

SCOPE OF WORK

- BURIED PLACEMENT OF 290' OF (2) 1.25" HDPE SDR 11 CONDUIT EQUIPPED WITH (1) 48-CT MICROFIBER OPTIC CABLE. (0) PROPOSED HANDHOLES.
- PIPE TO BE INSTALLED BY MEANS OF HORIZONTAL DIRECTIONAL DRILLING AND HAND DIGGING METHODS.
- ALL AREAS DISTURBED BY INSTALLATION TO BE RESTORED TO EXISTING OR BETTER CONDITION.

UTILITY OWNER CONTACTS

LUMOS
William Kiefer - OSP Project Engineer
William.kiefer@lumosfiber.com
Phone: (515) 306-3403

Jason Bush - Construction Manager
jason.bush@lumosfiber.com
Phone: (941)812-2913

ENGINEERING COMPANY

Blair Consulting Services, INC
1428 Sunblush Ln,
Las Vegas, NV 89117

PROJECT MANAGER
Fabio Perassi
813-579-0128
fsperassi@gmail.com

UTILITIES CONTACTS

CENTURYLINK
BILL MCCLOUD
(850) 815-3144

LEE COUNTY ELECTRIC CO-OP
TOM BAILEY
(239) 656-2414

LUMOS FIBER OF FLORIDA, LLC
MARLON BROWN - SR DIRECTOR
MARLON.BROWN@LUMOSFIBER.COM
(540) 278-0304

FLORIDA GOVERNMENTAL UTILITIES AUTHORITY - LEHIGH
POTABLE WATER/SANITARY SEWER
LINA MARIA QUINTERO, PE
(727) 858-2396

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT
MICHAEL COOK
(239) 368-0044 Ext. 16
MCOOK@LA-MSID.COM
STORM WATER/CANALS

LEE COUNTY DEPARTMENT OF TRANSPORTATION (DOT)
COMMERCIAL RIGHT OF WAY USE PERMIT
(239) 533-8580
ROADS

FDOT
DISTRICT 1 - COUNTIES: CHARLOTTE, COLLIER, DESOTO, GLADES, HARDEE, HENDRY, HIGHLANDS, LEE, MANATEE, OKEECHOBEE, POLK, SARASOTA
801 N. BROADWAY AVENUE
BARTOW, FLORIDA 33830
PHONE: (800) 292-3368
PHONE: (239) 225-1900

PERMITTING AGENCY
LA - MSID

lumos

BLAIR CONSULTING SERVICES, Inc.

1428 SUNBLUSH LN
LAS VEGAS, NV 89117

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REVISION DATA

NO.	DESCRIPTION	BY	DATE
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SHEET TITLE: SOW & CONTACTS

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_007_FDH_005
DESCRIPTION:	KITE CANAL
DRAWING NAME:	LE1_007_FDH_005 - LEHIGH ACRES_LEE COUNTY_FLORIDA - KITE CANAL
SHEET:	2 OF 12

LINETYPES

- UG FIBER – EXISTING
- UG FIBER – PROPOSED
- AERIAL FIBER – EXISTING
- AERIAL FIBER – PROPOSED
- COMMUNICATION (COM)
- RECLAIM WATER (RCW)
- DITCH
- GUARDRAIL
- ROAD CENTERLINE
- EASEMENT (ESMT)
- GAS (G)
- WATER (W)
- TELEPHONE (T)
- ELECTRIC (E)
- SANITARY SEWER (SEW)
- STORM DRAIN (SD)
- FENCE (X)
- CABLE TV (TV)
- STEAM (STM)
- OIL (OIL)
- UNKNOWN UTILITY (UNK)
- RIGHT OF WAY (R/W)
- EDGE OF PAVEMENT (EOP)
- SIDEWALK (S/W)

SYMBOL	DESCRIPTION
BP	BORE PIT
EOP	EDGE OF PAVEMENT
EOTW	EDGE OF TRAVEL WAY
FOC	FIBER OPTIC CABLE
HDPE	HIGH DENSITY POLYETHYLENE
HH	HANDHOLE
JB	JUNCTION BOX
MH	MANHOLE
MP	MILE POST
O/S	OFFSET
PVC	POLY VINYL CHLORIDE
RGS	RIGID GALVANIZED STEEL CONDUIT
ROW	RIGHT OF WAY
S/W	SIDEWALK
STA.	STATION

- CB — CABINET
- P — PEDESTAL
- E — ELECTRIC
- EM — ELECTRIC METER
- MH — MANHOLE
- R — RISER
- T — TELEPHONE
- P — POWER VAULT
- CATCH BASIN/INLET
- FIRE HYDRANT
- GROUND/BOND
- STREET LIGHT
- TREE
- CULVERT
- WING WALL
- BRIDGE
- U — MISC. UTILITY
- UTILITY POLE – EXISTING
- OWNER ID — POLE – PROPOSED
- HH — HANDHOLE – EXISTING
- HH — HANDHOLE – PROPOSED
- PD — PEDESTAL – PROPOSED
- MKR — PROMARK DOME MARKER POST
- BORE PIT – PROPOSED

- 0' — AERIAL STORAGE – EXISTING
- 0' — AERIAL STORAGE – PROPOSED
- 0' — VAULT/BUILDING STORAGE – EXISTING
- 0' — VAULT/BUILDING STORAGE – PROPOSED
- POLE ANCHOR/DOWN GUY – EXISTING
- POLE ANCHOR/DOWN GUY – PROPOSED
- PROPOSED DOWN GUY ON EXISTING ANCHOR
- FDP / NAME / SIZE / LOCATION — TERMINATION – EXISTING
- FDP / NAME / SIZE / LOCATION — TERMINATION – PROPOSED
- BUILDING / NAME / STREET — BUILDING CALLOUT – PROPOSED
- MANUFACTURER NAME — SPLICE POINT – EXISTING
- MANUFACTURER NAME — SPLICE POINT – PROPOSED

#F	
	IN: 0
	OUT: 0

SEQUENTIAL CALLOUT

#F	
	IN: 0
	TAIL: 0

SEQUENTIAL IN TAIL CALLOUT

#F	
	TAIL: 0
	OUT: 0

SEQUENTIAL TAIL OUT CALLOUT

POLE NO	N/A
UTILITY1	0'-0"

POLE ATTACHMENT CALLOUT – EXISTING
USE DYNAMIC PULL DOWN TO SELECT FROM 1 TO 6 ATTACHMENTS

POLE NO	N/A
UTILITY1	0'-0"

POLE ATTACHMENT CALLOUT – PROPOSED
USE DYNAMIC PULL DOWN TO SELECT FROM 1 TO 6 ATTACHMENTS

PERMITTING AGENCY
LA - MSID

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BLAIR CONSULTING SERVICES, Inc.
1428 SUNBLUSH LN
LAS VEGAS, NV 89117

811 Know what's below. Call before you dig.

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REVISION DATA

NO.	DESCRIPTION	BY	DATE
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SHEET TITLE: LEGEND

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_007_FDH_005
DESCRIPTION:	KITE CANAL
DRAWING NAME:	LE1_007_FDH_005 - LEHIGH ACRES_LEE COUNTY_FLORIDA - KITE CANAL
SHEET:	3 OF 12

GENERAL NOTES

CONTRACTOR MUST OBTAIN LOCATES PRIOR TO DISTURBING THE GROUND.

CONTRACTOR MUST HAVE A COPY OF THE APPROVED PERMIT FROM THE APPROPRIATE AGENCY ON THE JOBSITE AT ALL TIMES.

ALL CABLE WILL BE PLACED AT A MINIMUM DEPTH OF 36" DEEP UNLESS OTHERWISE DIRECTED BY A REPRESENTATIVE OF THE UTILITY OWNER.

ANY LANDSCAPING WILL BE REPLACED TO EQUAL OR BETTER THAN THAT WHICH EXISTED PRIOR TO WORK, 72 HOURS AFTER COMPLETION OF WORK.

PROJECT SITE WILL BE PROPERLY SECURED PRIOR TO THE END OF EACH DAY.

ALL WORK IS TO BE IN ACCORDANCE WITH ALL AUTHORITIES HAVING JURISDICTION IN THE WORK ZONE.

CONTRACTORS ARE ADVISED TO CONTACT THE PROJECT MANAGER FOR ANY ADDITIONAL INFORMATION OR CLARIFICATION CONCERNING SCOPE OF WORK OR THE REQUIREMENTS NECESSARY FOR PROJECT COMPLETION.

CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY ALL DIMENSIONS, QUANTITIES AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION. IF A SIGNIFICANT CHANGE TO THE RUNNING LINE IS NEEDED, PLEASE CONTACT THE PROJECT MANAGER BEFORE PROCEEDING.

BEFORE CONSTRUCTION BEGINS, CONTRACTOR SHALL TAKE APPROPRIATE PRECAUTIONS TO AVOID ANY POTENTIAL OBSTRUCTIONS PRIOR TO PROCEEDING WITH WORK.

NO CONSTRUCTION ON PRIVATE PROPERTY WILL COMMENCE UNTIL APPROVAL IS GIVEN BY A REPRESENTATIVE OF THE UTILITY OWNER.

CONTRACTOR SHALL NOT PROCEED WITH WORK UNTIL THEY HAVE RECEIVED A PURCHASE ORDER AND HAVE BEEN DIRECTED TO DO SO BY AN AUTHORIZED REPRESENTATIVE OF THE UTILITY OWNER.

CONTRACTOR SHALL NOT EXCEED THE PURCHASE ORDER VALUE WITHOUT AUTHORIZATION IN WRITING FROM THE APPROPRIATE REPRESENTATIVE OF THE UTILITY OWNER.

AS-BUILTS WILL BE REQUIRED FOR EACH PROJECT INCLUDING CABLE FOOTAGE SEQUENTIALS AT EVERY ACCESS POINT, SLACK LOOP, SPLICE LOCATION, POLE AND TERMINATION POINT. CONTRACTOR SHOULD ALSO PROVIDE NOTES OF ALL CHANGES IN DEPTHS, RUNNING LINES, MH/HH LOCATIONS, AND ANY OTHER APPLICABLE NOTES TO DEPICT THE WORK THAT TOOK PLACE. NOTE: ALL MAJOR CHANGES NEED TO BE PRE-APPROVED BY AN AUTHORIZED REPRESENTATIVE OF THE UTILITY COMPANY PRIOR TO STARTING THE WORK.

SITE CONDITIONS

THE ACTUAL LOCATION OF EXISTING CONDUIT AND CABLES MAY VARY FROM THE LOCATION SHOWN. REPAIR OF ANY DAMAGED CONDUIT CONTAINING CABLE SHALL BE MADE BY USE OF PVC SPLIT DUCT. THE CONTRACTOR SHALL ENCLOSE THE EXISTING CABLES IN PVC.

THE LOCATIONS OF EXISTING UTILITIES SHOWN IN THIS PLAN ARE APPROXIMATE. WHEN WORK IS TO BE CONDUCTED IN THE VICINITY OF KNOWN UTILITIES, THEIR ACTUAL LOCATION MUST BE FIELD VERIFIED TO AVOID CONFLICTS OR DAMAGE TO THOSE UTILITIES. VARIATION IN LOCATION BETWEEN "RECORDED POSITIONS" AND ACTUAL POSITIONS SHOULD BE ANTICIPATED.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES. BURIED UTILITIES MAY EXIST IN THE AREA IN ADDITION TO THOSE SHOWN ON THE PLAN. THE CONTRACTOR SHALL CONTACT PROPERTY OWNERS WHEN WORKING WITHIN PRIVATE EASEMENTS FOR LOCATION OF UNDERGROUND TANKS, PIPELINES, DRAIN TILES, OR OTHER BURIED IMPROVEMENTS. THE CONTRACTOR SHALL ALSO NOTIFY THE UTILITY NOTIFICATION CENTER PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITIES.

THE CONTRACTOR MUST ASSUME ALL BURIED UTILITIES ENCOUNTERED ARE ALIVE AND ACTIVE UNLESS SPECIFICALLY INSTRUCTED OTHERWISE BY OWNERS OR OPERATORS OF SAID UTILITIES.

DAMAGE TO SUB-SURFACE STRUCTURES IS THE SOLE RESPONSIBILITY OF THE PLACING CONTRACTOR.

THE CONTRACTOR SHALL PROTECT THE EXISTING TRAFFIC CONTROL LOOPS. IF EXISTING TRAFFIC CONTROL LOOPS ARE DAMAGED DURING CONSTRUCTION, THE ENTIRE LOOP WIRE FROM TERMINAL TO TERMINAL SHALL BE REPLACED IN ACCORDANCE WITH GOVERNING AGENCY STANDARDS AND REGULATIONS AT CONTRACTOR'S EXPENSE.

REMOVAL OF EXISTING ASPHALT PAVEMENT, CONCRETE CURBS, AND CONCRETE SIDEWALKS WILL BE "NEAT LINE" WITH SAW OR PAVEMENT CUTTER, PER REQUIREMENTS AND SPECIFICATIONS OF THE AGENCY OR DEPARTMENT RESPONSIBLE FOR EACH LOCATION. IF CONCRETE PAVEMENT IS ENCOUNTERED WHILE EXCAVATING CONDUIT TRENCHES, THE CONCRETE REMOVAL WILL BE "NEAT LINE" WITH A PAVEMENT SAW.

IF CONCRETE CURB RETURNS AND/OR SIDEWALKS ARE REPLACED DUE TO CONDUIT OR MANHOLE INSTALLATION, THE CONTRACTOR SHALL PLACE APPROVED HANDICAPPED SIDEWALK AND CURB ACCESS RAMPS IN CONFORMANCE WITH THE APPROPRIATE STATE STATUTES.

ALL MATERIALS NECESSARY FOR THE REPAIR OF STREETS, CURBS, SIDEWALKS, SANITARY SEWERS, STORM SEWERS, AND PUBLIC SERVICE UTILITIES, AND THE INSTALLATION OF SUCH MATERIALS SHALL BE IN CONFORMANCE WITH THE REQUIREMENTS AND SPECIFICATIONS OF THE AGENCY OR DEPARTMENT RESPONSIBLE FOR THE OPERATION AND MAINTENANCE OF THE REPAIRED FACILITY.

ALL WORK SHALL CONFORM TO THE SPECIFICATIONS OF THE JURISDICTIONAL PERMIT AGENCY.

ALL OPEN TRENCH WILL BE CLEARLY MARKED WITH BARRICADES OR CONES. STEEL PLATES OR OTHER TYPES OF BRIDGING SHALL BE PROVIDED TO COVER OPEN TRENCH IN THE TRAVEL PORTION OF THE STREETS. THESE PLATES OR BRIDGING SHALL BE ADEQUATE TO SUPPORT THE NORMAL VEHICLE LOADS ANTICIPATED IN THIS AREA AND SHALL BE IN PLACE DURING ALL NON-WORKING AREAS.

ALL SURFACES TO BE RESTORED TO ORIGINAL CONDITION, AND BACKFILL TO BE COMPACTED AS SPECIFIED. TRENCH EXCAVATION IN SURFACES WHICH INCLUDE CONCRETE TREATED BASE SHALL FOLLOW LOCAL AREA SPECIFICATIONS.

HAZARDOUS MATERIALS

THE CONTRACTOR SHALL NOTIFY THE JURISDICTIONAL PERMIT AGENCY IMMEDIATELY IF ANY MATERIALS ARE ENCOUNTERED THAT ARE CONSIDERED HAZARDOUS BY THE EPA, DEQ, OR OSHA. IF POTENTIALLY HAZARDOUS MATERIALS ARE ENCOUNTERED THE CONTRACTOR SHALL SECURE THE SITE AND PREVENT THE ACCIDENTAL EXPOSURE BY THE PUBLIC OR THE CONTRACTOR'S PERSONNEL.

THE CONTRACTOR MAY EXCAVATE UP TO, BUT SHALL NOT DISTURB KNOWN HAZARDOUS MATERIALS SUCH AS ASBESTOS, OILS, ACID, ETC. THE REMOVAL OF ALL HAZARDOUS MATERIALS MUST BE DONE BY AN APPROVED OR CERTIFIED HAZARDOUS MATERIALS CONTRACTOR LICENSED IN THE APPROPRIATE STATE.

A COPY OF ALL CORRESPONDENCE PERTINENT TO THE REMOVAL OF HAZARDOUS MATERIALS SHALL BE TRANSMITTED TO OWNER AND A COPY SHALL BE AVAILABLE AT THE PROJECT OFFICE AND THE JOB SITE.

AERIAL NOTES

- AERIAL CONSTRUCTION TO BE PERFORMED TO INDUSTRY ACCEPTABLE STANDARDS.
- ALL HEIGHTS OF CABLE PLACEMENT WILL BE RECORDED AT TIME OF CONSTRUCTION. DOCUMENT ALL POINTS OF ATTACHMENT.
- ALL EXTENSION ARMS TO BE PLACED WILL BE EPOXY ARMS UNLESS OTHERWISE NOTED OR APPROVED BY THE INSPECTOR.
- BOND STRAND TO POWER MGN WHERE APPLICABLE. ANCHORS TO BE USED WILL BE 3/4 SCREW IN TYPE.
- ALL STRAPS WILL BE PLACED 4" BEFORE AND AFTER EVERY SUPPORTING CLAMP AT A MINIMUM OF 21" APART.
- P.O.A. = POINT OF ATTACHMENT.
- ADD MISSING GROUNDS.
- REPAIR/REPLACE EXISTING LASHING WIRE IF DAMAGED.

CONSTRUCTION STAKING

IN AREAS WHERE THE CONDUIT ALIGNMENT IS NOT CLEARLY DEFINED BY CURB LINES, FENCE LINES, OR OTHER EVIDENCE OF THE RIGHT-OF-WAY, THE ENGINEER WILL PROVIDE CENTERLINE STAKES OR PAINT MARKS WHERE REQUIRED TO MAKE THE PROPOSED CONDUIT ALIGNMENT EVIDENT.

MANHOLE CENTERS WILL BE FIELD STAKED BY THE ENGINEER WHEN REQUESTED WITH OFFSET STAKES AT RIGHT ANGLES (90°) TO THE CONDUIT ALIGNMENT.

CLOSURES IDENTIFIED IN THE PLANS SHALL BE LOCATED BY THE CONTRACTOR. DEVIATION FROM PLAN LAYOUT SHALL BE APPROVED BY THE ENGINEER PRIOR TO CONDUIT AND/OR CLOSURE INSTALLATION.

IF ADDITIONAL, FIELD STAKING OR LOCATION OF CONDUITS, MANHOLES, PROPERTY LINES, ETC., BECOMES NECESSARY, THE CONTRACTOR IS TO NOTIFY THE INSPECTOR OR THE ENGINEER TWO WORKING DAYS PRIOR TO BEGINNING THE WORK.

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REVISION DATA

NO.	DESCRIPTION	BY	DATE
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SHEET TITLE:	GENERAL NOTES
PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_007_FDH_005
DESCRIPTION:	KITE CANAL
DRAWING NAME:	LE1_007_FDH_005 - LEHIGH ACRES_LEE COUNTY_FLORIDA - KITE CANAL
SHEET:	4 OF 12

PERMITS - FRANCHISES - EASEMENTS

PHYSICAL WORK SHALL NOT BE STARTED UNTIL THE GOVERNING AGENCY INSPECTOR AND THE CONTRACTOR ARE IN POSSESSION OF AND HAVE CAREFULLY REVIEWED AND FULLY UNDERSTAND ALL CONDITIONS AND SPECIFICATIONS SET FORTH IN THE REQUIRED PERMITS, FRANCHISES, AND/OR EASEMENTS.

PLACING FOREMAN TO HAVE A COPY OF THE PERMITS/EASEMENTS ON SITE AT ALL TIMES.

ANY CONFLICT BETWEEN WORK PRINT SPECIFICATIONS AND SPECIFICATIONS SET FORTH UNDER RELATED PERMITS, FRANCHISES, AND/OR EASEMENTS MUST BE CLEARED BY PROPER COMPANY AUTHORITY BEFORE PROGRESSING WITH WORK INVOLVED

TRAFFIC CONTROL

THIS PROJECT WILL INVOLVE WORKING ALONG A MAJOR ARTERIAL ROAD AND HEAVY TRAFFIC VOLUME SHOULD BE ANTICIPATED.

UNIFORM TRAFFIC FLOW SHALL BE MAINTAINED AT ALL TIMES. ONLY EQUIPMENT AND MATERIALS NECESSARY FOR IMMEDIATELY SCHEDULED OR IN PROGRESS WORK WILL BE MAINTAINED IN THE WORK AREA. ALL OTHER EQUIPMENT AND MATERIALS WILL BE "STORED OR STOCKPILED" IN SUCH A MANNER AS TO ELIMINATE HAZARDOUS CONDITIONS FOR TRAFFIC OR PEDESTRIANS DURING NON-WORKING OR SHUT DOWN PERIODS.

TRAFFIC WARNING DEVICES AND SIGNS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (U.S. GOVERNMENT PRINTING OFFICE) AND TO THE STATE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION. HIGH LEVEL WARNING TYPE DEVICES ARE TO BE USED AT ALL TIMES AND SPECIAL WARNING DEVICES MAY BE STIPULATED BY THE JURISDICTIONAL PERMIT AGENCY AT ANY TIME THE USE WILL ADD TO THE SAFETY AND PROTECTION OF TRAFFIC OR PEDESTRIANS IN THE CONSTRUCTION AREA.

ALL CONDUIT TRENCHING IN PAVED AREAS SHALL BE BACKFILLED WITH CRUSHED GRAVEL OR COMPLETELY COVERED AT THE COMPLETION OF EACH WORKING DAY. ANY BACKFILLED TRENCH SHALL BE CAPPED WITH A MINIMUM LAYER OF ASPHALTIC CONCRETE COLD PATCH AT THE END OF EACH WORKING DAY.

THE CONTRACTOR SHALL MARK THE CONDUIT TRENCH AND DEFINE HIS CONSTRUCTION AREA CLEARLY WITH BARRICADES, CONES, AND/OR OTHER VISIBLE METHODS THAT ALERT THE PUBLIC OF THE CONSTRUCTION ACTIVITY.

A TRAFFIC CONTROL PLAN SHALL BE PREPARED BY THE CONTRACTOR AS REQUIRED AND SUBMITTED TO EACH PERMITTING AGENCY REQUESTING SUCH PLAN FOR REVIEW AND APPROVAL OR REVISION PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITY FOR THIS PROJECT. THE APPROVED PLAN SHALL BE SUBMITTED TO THE AGENCY AND A COPY OF THE PLAN SHALL BE KEPT AT THE CONSTRUCTION SITE AND MUST BE READILY AVAILABLE REVIEW BY THE AGENCY REPRESENTATIVES.

SPECIAL UTILITY CLEARANCES

ALL WORK CONDUCTED ADJACENT TO WATER MAINS SHALL CONFORM TO THE FOLLOWING CONDITIONS:

A. WHEREVER POSSIBLE CONDUIT SHALL MAINTAIN A HORIZONTAL SEPARATION OF 3.0 FEET, MEASURED SURFACE TO SURFACE (OUTSIDE EDGE TO OUTSIDE EDGE), FROM PARALLEL WATER MAINS.

B. WHEREVER POSSIBLE, CONDUIT SHALL PASS UNDER EXISTING WATER MAINS AND MUST MAINTAIN 24" VERTICAL CLEAR SEPARATION. CONDUITS PASSING OVER WATER MAINS MUST ALSO MAINTAIN THE 24" VERTICAL SEPARATION.

C. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING THIS REQUIRED VERTICAL SEPARATION BY EITHER EXPOSING THE WATER MAIN EVERY 100 FEET IN THOSE AREAS WHERE HORIZONTAL SEPARATION IS LESS THAN 3.0 FEET OR BY UTILIZING THE DEPTHS OF ADJACENT WATER VALVES. IF THE CONTRACTOR UTILIZES THE ADJACENT WATER TO DETERMINE WATER MAIN DEPTH, HE SHALL CONTACT THE AGENCY AT EACH SUCH LOCATION AND THE AGENCY WILL DETERMINE THE NECESSARY DEPTH OF THE TOP OF THE CONDUIT AT THAT POINT.

D. THE VERTICAL AND HORIZONTAL SEPARATION SHALL BE MAINTAINED AT ALL TIMES UNLESS SPECIFICALLY REVISED BY AGREEMENT BETWEEN THE JURISDICTIONAL PERMIT AGENCY AND THE AGENCY ANY SPECIFIC DEVIATION IN VERTICAL AND HORIZONTAL SEPARATION FROM THOSE DESCRIBED SHALL BE REPORTED TO THE OWNER BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING VERTICAL AND HORIZONTAL SEPARATION AT ALL TIMES AND SHALL BE RESPONSIBLE FOR ANY AND ALL ENCROACHMENTS.

E. CLEARANCES TO STORM SEWERS AND SANITARY SEWERS SHALL BE EXACTLY THE SAME AS THOSE TO WATER MAINS.

STRUCTURE PROTECTION

MANHOLES AND CONDUIT TO BE PLACED ADJACENT TO EXISTING STRUCTURES SUCH AS BRIDGE BRIDGE FOOTINGS/PIERS, BUILDING FOUNDATIONS, WALLS, POWER AND TELEPHONE POLES, AND OTHER UTILITIES SHALL MAINTAIN A MINIMUM CLEARANCE AS SHOWN. THE CONTRACTOR SHALL NOT UNDERMINE ANY ADJACENT STRUCTURE WITHOUT SPECIFIC WRITTEN PERMISSION FROM THE OWNER/OPERATOR OF SUCH STRUCTURE.

SHORING USED AS FOUNDATION SUPPORT SHALL BE DESIGNED SPECIFICALLY FOR BOTH THE LIVE AND DEAD LOADS OF THE STRUCTURE, OR IF ONLY THE DEAD LOAD IS USED FOR DESIGN, THE CONTRACTOR SHALL PROVIDE A DETAILED LAYOUT AND PLAN OF THE METHOD OF ESTABLISHING AND MAINTAINING THE DESIGN LOAD CONDITIONS (I.E., ROAD DETOURS, TIEBACKS, ETC.).

SEE UTILITY CLEARANCE SECTION NOTES FOR CLEARANCE CRITERIA TO PARALLEL OR CROSS UTILITIES.

EXISTING UTILITIES EXPOSED DURING EXCAVATION SHALL BE 100% SUPPORTED BY EITHER TRENCH BRIDGING AND SUSPENSION OR BY THE USE OF LONGITUDINAL TRAYS OR PLATFORMS VERTICALLY SUPPORTED BY ADJUSTABLE BUILDING JACKS.

EXISTING SPLICE CASES AND CABLES SHALL BE SUPPORTED BY SUSPENSION FROM A CROSSING BEAM. SUPPORTS SHALL BE PLACED AT A MAXIMUM SPACING OF 4.0 FEET AND SHALL CONSIST OF A CANVAS SLING WITH NYLON BELTING OR ROPE. ALL CABLE SUPPORTS SHALL BE PLACED IN A MANNER THAN PREVENTS KINKS OR OTHER DAMAGE TO THE CABLE SHEATH.

AN ACCEPTABLE ALTERNATIVE TO CABLE SLINGS WOULD BE THE UTILIZATION OF A WIDE FLANGE "I" BEAM OR CHANNEL AS A "CABLE TRAY" WITH THE CABLES/CASES BANDED IN PLACE.

SHORING

THE CONTRACTOR SHALL PROVIDE SHORING FOR CONDUIT TRENCH EXCAVATION 42" OR MORE IN DEPTH AS MEASURED FROM THE HIGH SIDE OF THE TRENCH AND FOR ALL MANHOLE EXCAVATION.

MANHOLE SHORING SHALL BE TIGHT-SHEETED.

ALL SHORING SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF LOCAL COUNTY AND THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA).

SHORING SHALL BE DESIGNED TO MEET H-20 HIGHWAY LOADING.

THE CONTRACTOR SHALL PROVIDE ALL SHORING AND DESIGN CALCULATIONS TO THE PERMIT ISSUING AGENCY PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITY.

UTILITY NOTE:

EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND BASED ON AVAILABLE RECORDS, VERBAL INFORMATION AND/OR PHYSICAL FEATURES. PRIOR TO CONSTRUCTION (AT LEAST 72 HOURS OR THE MORE RESTRICTIVE MINIMUM NOTIFICATION PERIOD), THE CONTRACTOR SHALL CONTACT SUNSHINE 811 TO ALLOW MARKING OF EXISTING BURIED UTILITIES WITHIN THE SCOPE OF THE PROPOSED WORKZONE.

SOFT DIGS &/OR POTHOLING SHALL BE REQUIRED BY CONTRACTOR TO IDENTIFY EXISTING UTILITY DEPTHS.

MINIMUM 24" SEPARATION SHALL BE MAINTAINED FROM ALL EXISTING UTILITIES UNLESS SUPERVISED.

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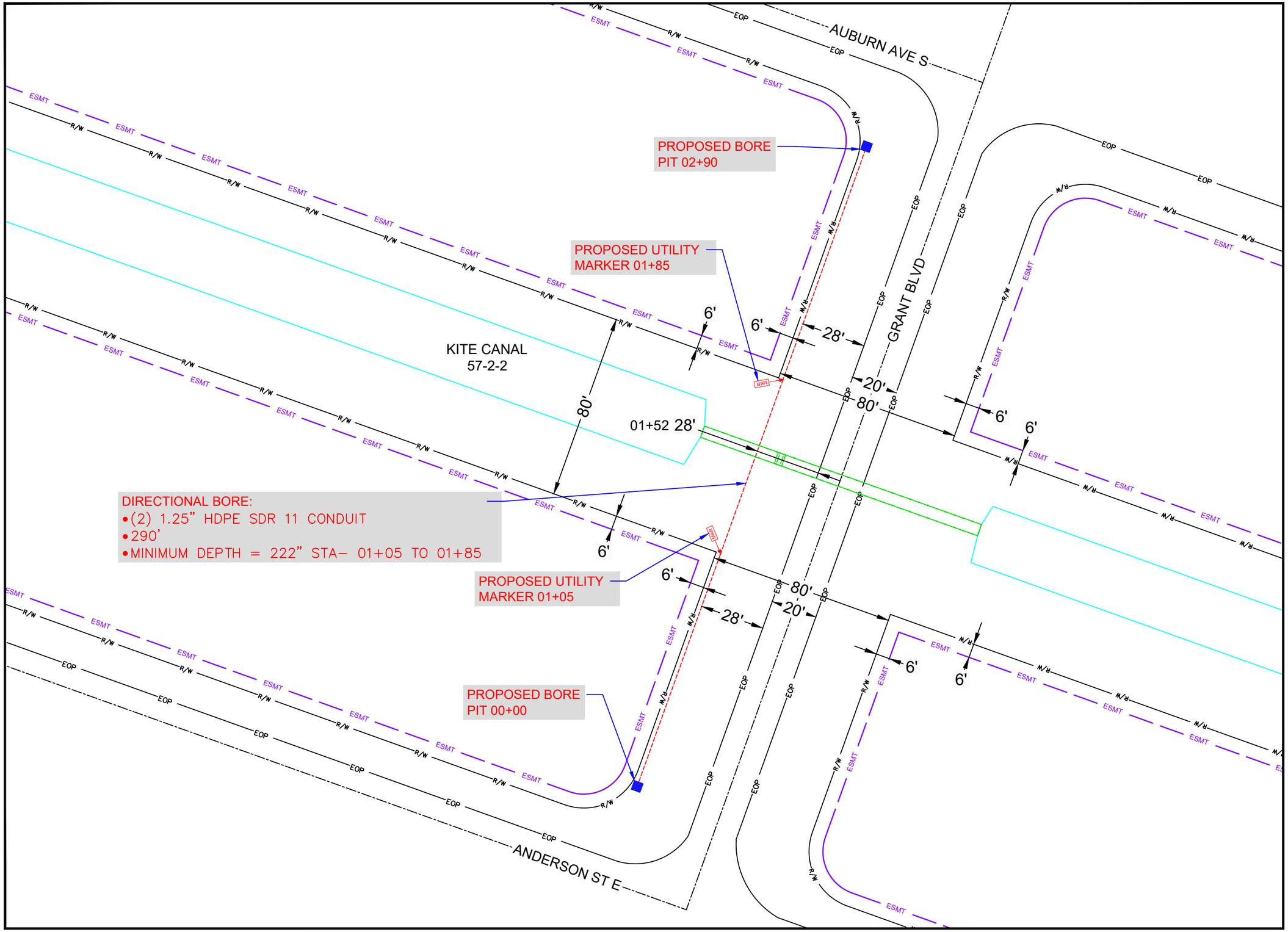
SHEET TITLE:
GENERAL NOTES

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_007_FDH_005
DESCRIPTION:	KITE CANAL
DRAWING NAME:	LE1_007_FDH_005 - LEHIGH ACRES_LEE COUNTY_FLORIDA - KITE CANAL
SHEET:	5 OF 12



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0 10' 20' 30' 40'
SCALE: 1"=40'

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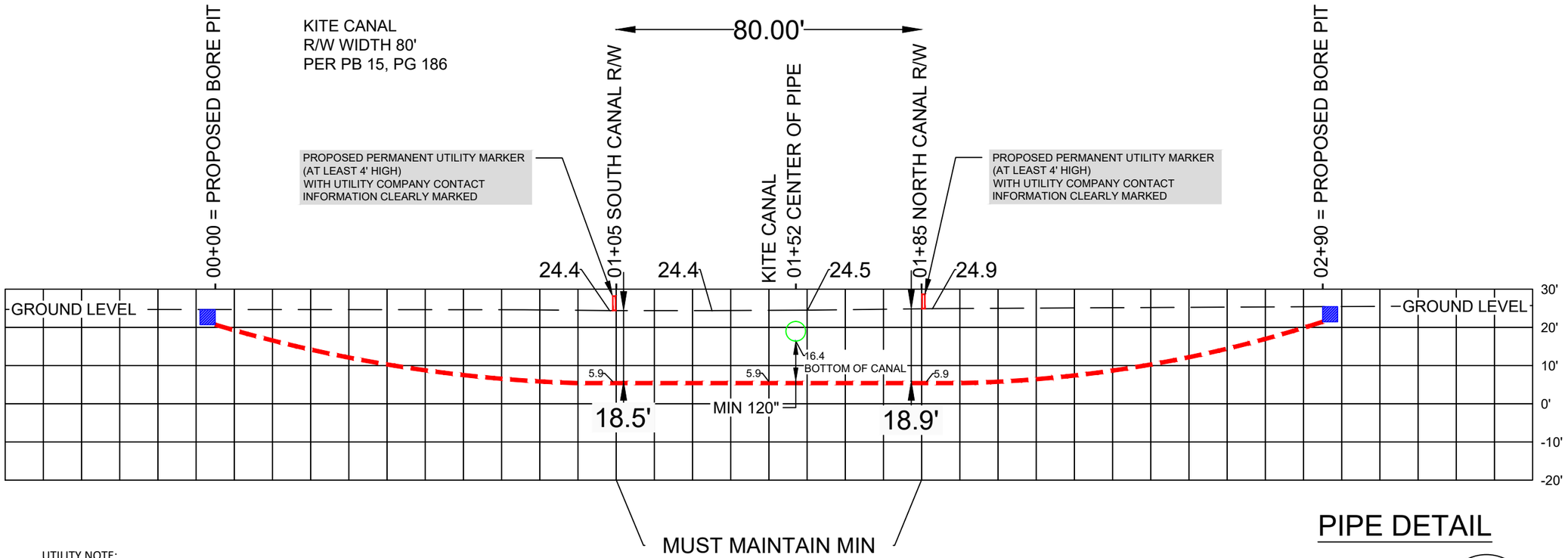
SHEET TITLE:
PROJECT SHEET

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_007_FDH_005
DESCRIPTION:	KITE CANAL
DRAWING NAME:	LE1_007_FDH_005 - LEHIGH ACRES_LEE COUNTY_FLORIDA - KITE CANAL
SHEET:	6 OF 12

SUB-GRADE VERTICAL PROFILE VIEW
GRANT BLVD
LOOKING WEST



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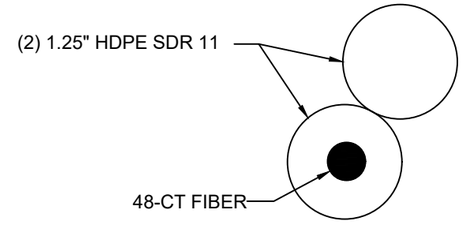
PIPE DETAIL



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0 10' 20' 30'
SCALE: 1"=30'

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SHEET TITLE:
PROFILE VIEW

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_007_FDH_005
DESCRIPTION:	KITE CANAL
DRAWING NAME:	LE1_007_FDH_005 - LEHIGH ACRES_LEE COUNTY_FLORIDA - KITE CANAL
SHEET:	7 OF 12

STREET LEVEL VIEW
STA 01+05
FACING NORTH



05/20/2026 12:07PM
26.595359, -81.583499
1051 ANDERSON ST E
LEHIGH ACRES, FL 33974

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SHEET TITLE: IMAGES

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_007_FDH_005
DESCRIPTION:	KITE CANAL
DRAWING NAME:	LE1_007_FDH_005 - LEHIGH ACRES_LEE COUNTY_FLORIDA - KITE CANAL
SHEET:	8 OF 12

STREET LEVEL VIEW
STA 01+85
FACING SOUTH



05/20/2026 12:06PM
26.595492, -81.583443
152 AUBURN AVE S
LEHIGH ACRES, FL 33974

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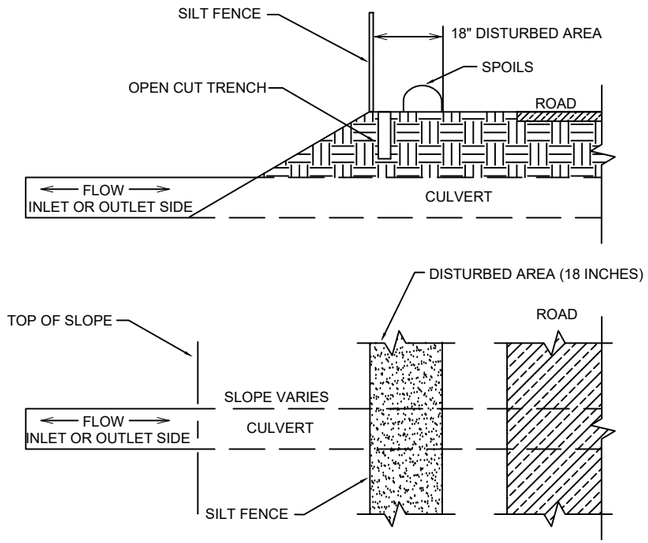
SHEET TITLE:	IMAGES
PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_007_FDH_005
DESCRIPTION:	KITE CANAL
DRAWING NAME:	LE1_007_FDH_005 - LEHIGH ACRES_LEE COUNTY_FLORIDA - KITE CANAL
SHEET:	9 OF 12

TYPICALS

CULVERT CUT OVER ON ROADSIDE SHOULDER

NOT TO SCALE



GENERAL NOTES

1. INSTALL SILT FENCE TO PROTECT DOWNSTREAM AREAS FROM SEDIMENTATION PRIOR TO CONSTRUCTION.
2. INSTALL SILT FENCE AS NEEDED TO PROTECT DRAINAGE FEATURES, BUT NO LESS THAN 10' ON EITHER SIDE OF CULVERT.

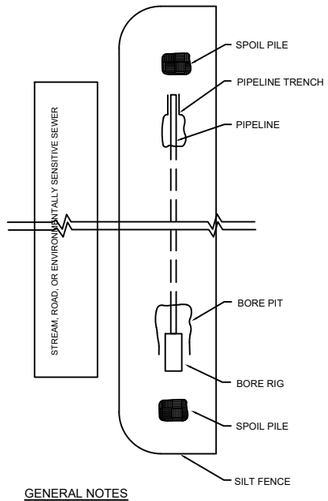
MAINTENANCE NOTES

INSPECT CULVERT CROSSING STRUCTURES WEEKLY AND AFTER EACH SIGNIFICANT RAINFALL EVENT (0.5" OR GREATER) TO SEE IF ANY EROSION AROUND OR BELOW THE SILT FENCE HAS OCCURRED, IMMEDIATELY MAKE ALL NEEDED REPAIRS TO PREVENT FURTHER DAMAGE.

*REF: 6.41.5 NC Erosion and Sediment Control Planning and Design Manual, 2006

DIRECTIONAL BORE DETAIL (PARALLEL)

NOT TO SCALE

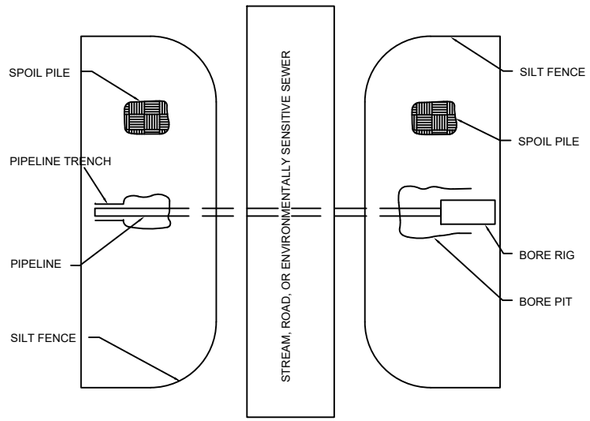


GENERAL NOTES

1. BORE PITS AND SPOILS PILES SHALL BE ENCLOSED ON THREE SIDES AS SHOWN WITH SILT FENCE

DIRECTIONAL BORE DETAIL (TRAVERSE)

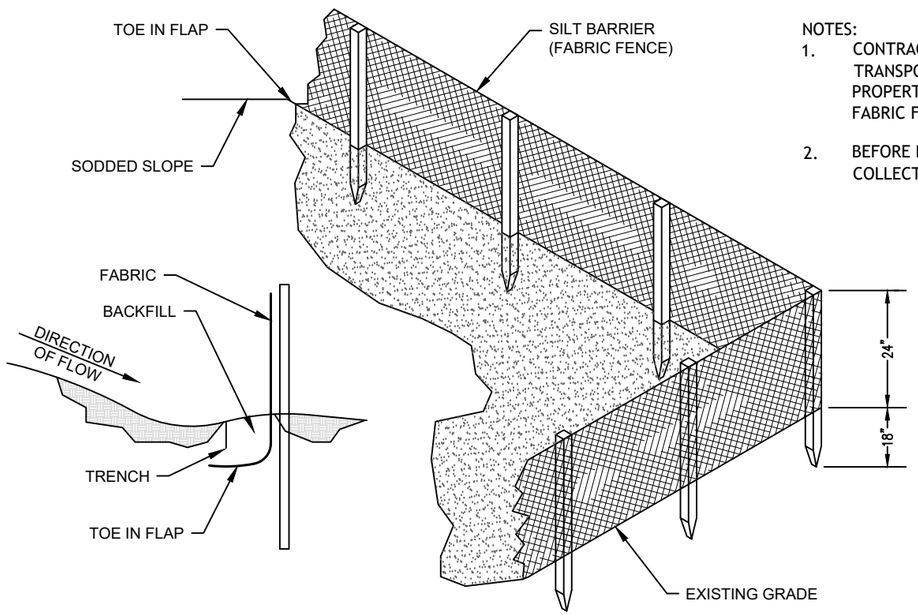
NOT TO SCALE



GENERAL NOTES

1. BORE PITS AND SPOILS PILES SHALL BE ENCLOSED ON THREE SIDES AS SHOWN WITH SILT FENCE

FABRIC FENCE SILT - BARRIER



NOTES:

1. CONTRACTOR IS REQUIRED TO PREVENT ANY SEDIMENT TRANSPORT FROM THE PROJECT SITE ON TO ADJACENT PROPERTY. INSTALLATION OF EITHER BALED HAY OR FABRIC FENCE TYPE SILT BARRIER IS ACCEPTABLE.
2. BEFORE REMOVING SILT BARRIER, CONTRACTOR SHALL COLLECT AND DISPOSE OF ANY ACCUMULATED SILT.

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SHEET TITLE: TYPICALS

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_007_FDH_005
DESCRIPTION:	KITE CANAL
DRAWING NAME:	LE1_007_FDH_005 - LEHIGH ACRES_LEE COUNTY_FLORIDA - KITE CANAL
SHEET:	10 OF 12

TYPICALS

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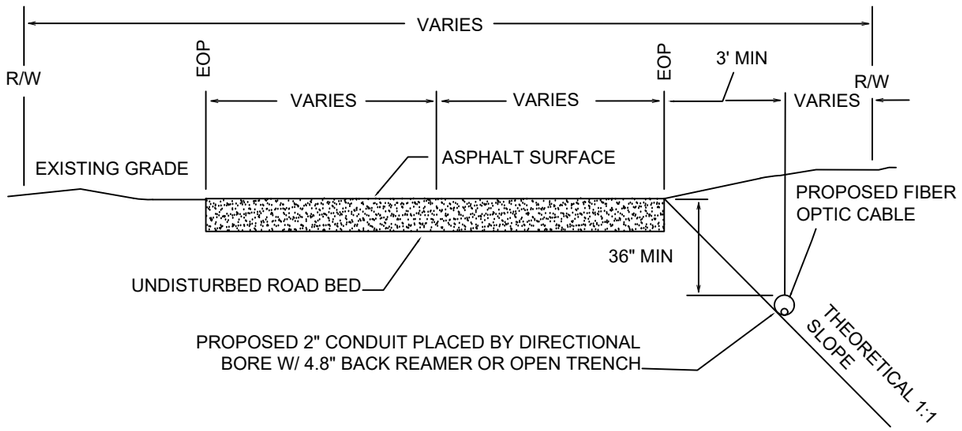
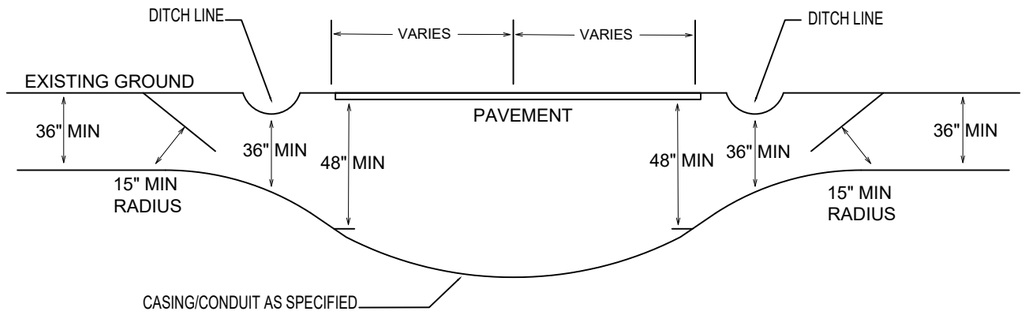
PARALLEL CONDUIT DETAIL FOR FDOT RIGHT-OF-WAY

NOT TO SCALE



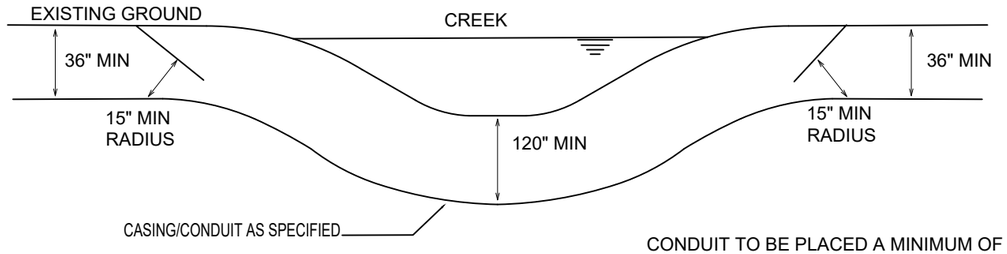
DIRECTIONAL BORE UNDER SECONDARY ROADWAY

NOT TO SCALE



DIRECTIONAL BORE UNDER CREEK BED

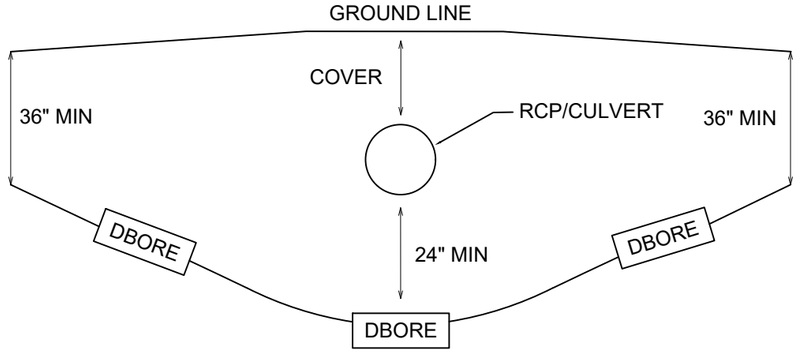
NOT TO SCALE



CONDUIT TO BE PLACED A MINIMUM OF 10 FEET BELOW CREEK BED

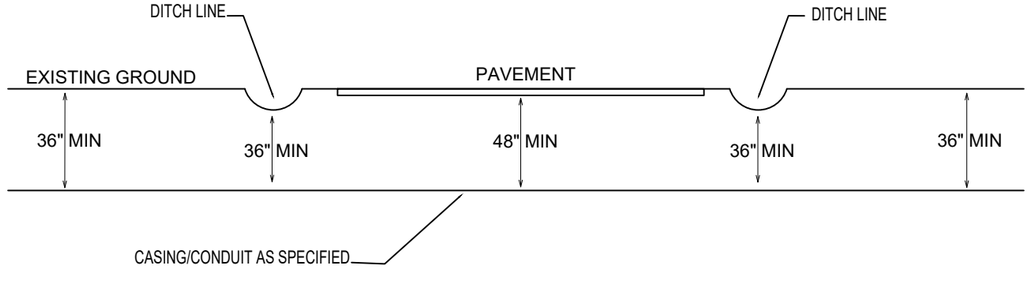
CULVERT CROSSING DETAIL

NOT TO SCALE



DRY BORE UNDER ROADWAY

NOT TO SCALE



EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND BASED ON AVAILABLE RECORDS AND FIELD OBSERVATIONS. CONTRACTOR IS RESPONSIBLE FOR CALLING 811 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES AND ANY DAMAGE TO THE UTILITIES SHALL BE IMMEDIATELY REPAIRED AT THE CONTRACTOR'S EXPENSE.

REVISION DATA

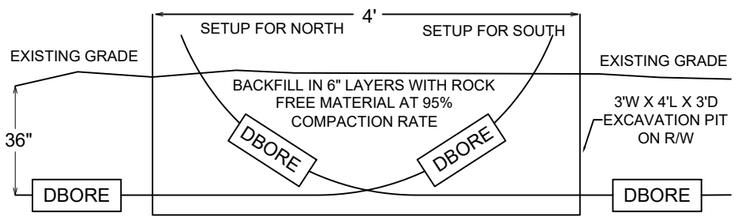
NO.	DESCRIPTION	BY	DATE
----	----	----	----
----	----	----	----

SHEET TITLE:	TYPICALS
PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_007_FDH_005
DESCRIPTION:	KITE CANAL
DRAWING NAME:	LE1_007_FDH_005 - LEHIGH ACRES_LEE COUNTY_FLORIDA - KITE CANAL
SHEET:	11 OF 12

TYPICALS

DIRECTIONAL BORE TIE-IN DETAIL

NOT TO SCALE

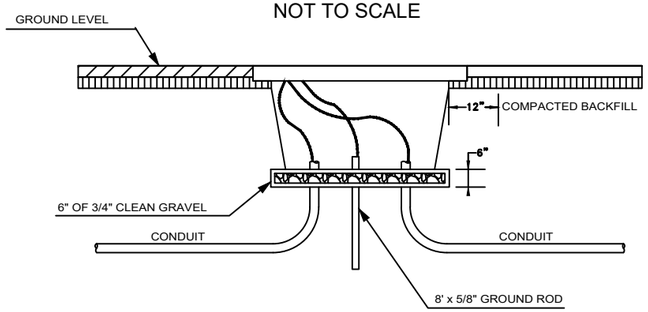


TIE-IN STATION

- BORE FROM EACH DIRECTION IS RUN AT DESIGN DEPTH TO 2 FEET PAST THE INTENDED TIE-IN. THEN TURNED UP TO DAYLIGHT.
- THE TIE-IN POINT IS EXCAVATED. THE CONDUITS CUT OFF WHERE THEY CROSS EACH OTHER AT DESIGN DEPTH, AND A COUPLER IS INSTALLED TO CONNECT THE TWO CONDUITS AT THE DESIGN DEPTH.
- ALL EXCAVATIONS OR TRENCHES 4 FEET OR GREATER IN DEPTH SHALL BE APPROPRIATELY BENCHED, SHORED, OR SLOPED IN OSHA'S EXCAVATION STANDARD, 29 CFR 1926.650, .651, AND .652

PULL BOX HANDHOLE

NOT TO SCALE



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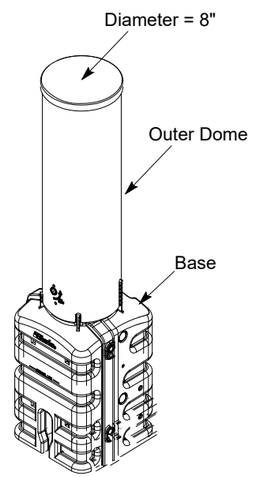
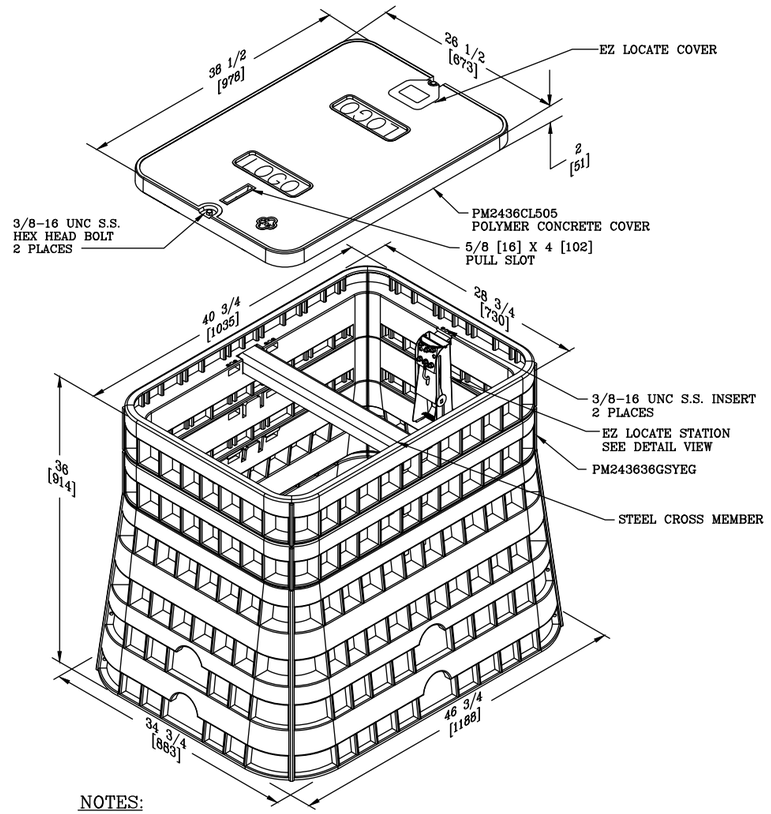
BDO204-EG

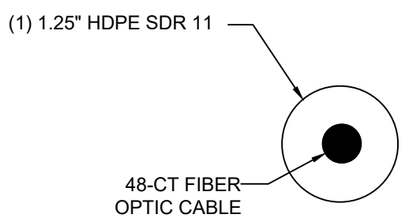




NOTES:

1. BOX MATERIAL TO BE HDPE PLASTIC, COVER MATERIAL TO BE POLYMER CONCRETE.
2. COLOR TO BE GREY.
3. THIS ASSEMBLY HAS A LOAD RATING OF 20,000 LBS. [88,960 N].

PIPE DETAIL



PERMITTING AGENCY

LA - MSID

lumos

BLAIR CONSULTING SERVICES, Inc.

1428 SUNBLUSH LN
LAS VEGAS, NV 89117

811 Know what's below. Call before you dig.

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PROJECT MANAGER:	FABIO PERASSI
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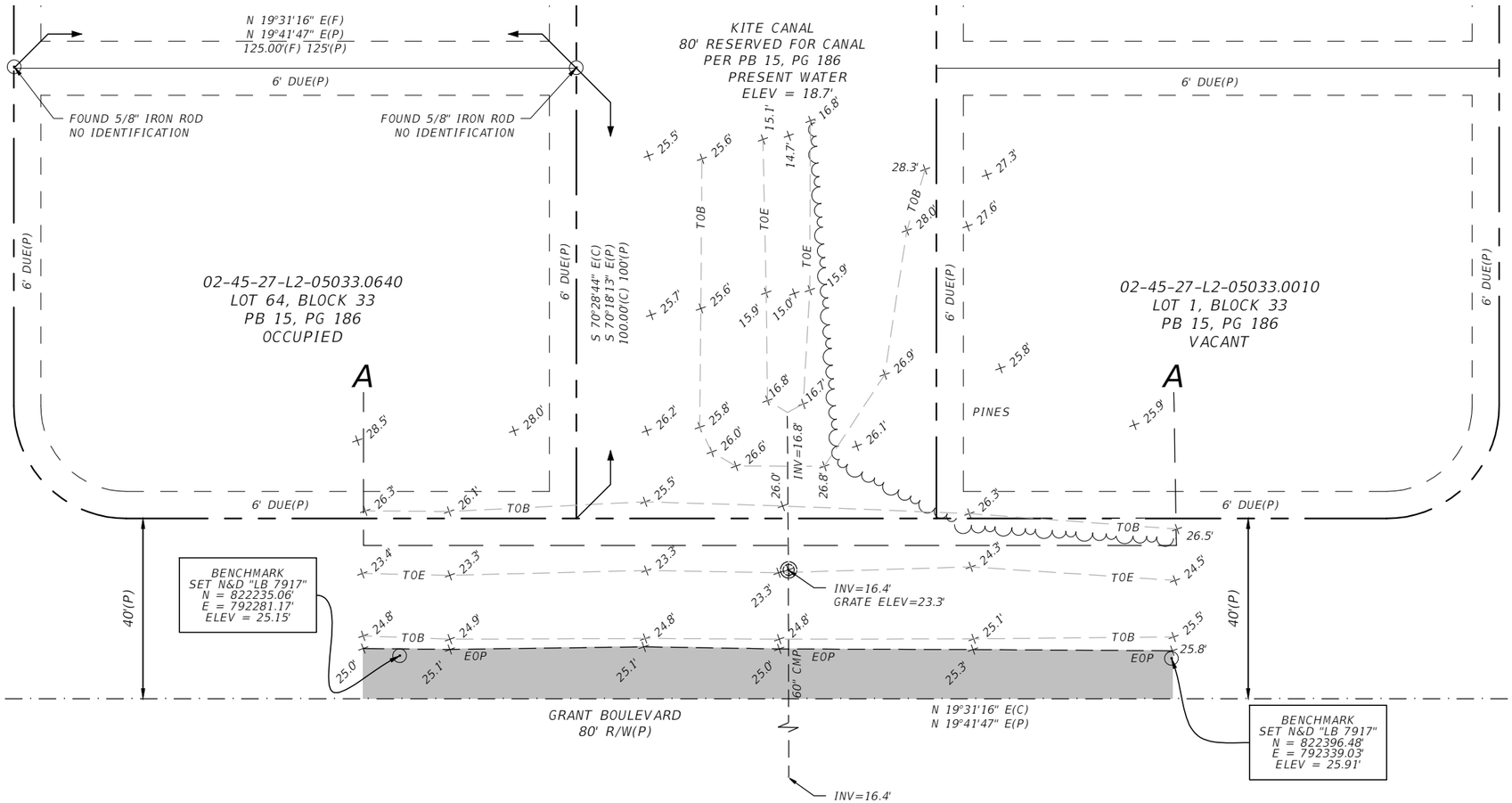
DESCRIPTION:	KITE CANAL
DRAWING NAME:	LE1_007_FDH_005 - LEHIGH ACRES_LEE COUNTY_FLORIDA - KITE CANAL
SHEET:	12 OF 12

Topographic Survey of a Subject Project Site

lying within

Section 2, Township 45 South, Range 27 East

Lehigh Acres, Lee County, Florida



NOTES:

Survey based on the plat of Plat of Section 2 of Lehigh Acres as recorded in Plat Book 15 Page 186, Public Records of Lee County, Florida and existing monumentation.

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Subject to easements, restrictions, reservations, and rights-of-way (recorded and unrecorded, written and unwritten).

Last day of field work: 12/10/2025

TAYLOR J. HENNINGE License Number 7279 STATE OF FLORIDA Professional Surveyor and Mapper

Taylor Henninge 2026.03.04 06:23:08-05'00'

TAYLOR J. HENNINGE
PROFESSIONAL SURVEYOR AND MAPPER
FLORIDA CERTIFICATE NO. LS# 7279

Not valid without the signature and the original seal of a Florida licensed surveyor and mapper.

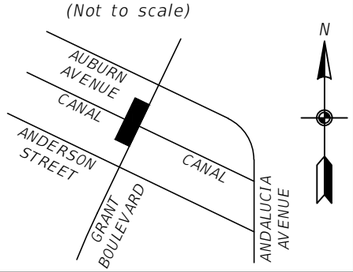
This survey is only for the lands as described. It is not a certificate of title, zoning, easements or freedom of encumbrances.

This survey was prepared without benefit of an abstract of title and all matters of title should be referred to an attorney at law.

This survey has been electronically signed and sealed by Taylor J. Henninge using a digital signature and date. Print copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Anderson Street, Lehigh Acres

Location sketch
(Not to scale)



LEGEND:

(C)	= CALCULATED	INV	= INVERT ELEVATION
(F)	= FIELD MEASURED	N&D	= NAIL AND DISK
(P)	= PER PLAT	NAVD 88	= NORTH AMERICAN VERTICAL DATUM 1988
CB	= CATCH BASIN	OR	= OFFICIAL RECORDS BOOK
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EXIST	= EXISTING	TOE	= TOE OF SLOPE
FIRC	= FOUND IRON ROD AND CAP	TWP	= TOWNSHIP
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	= VALVE
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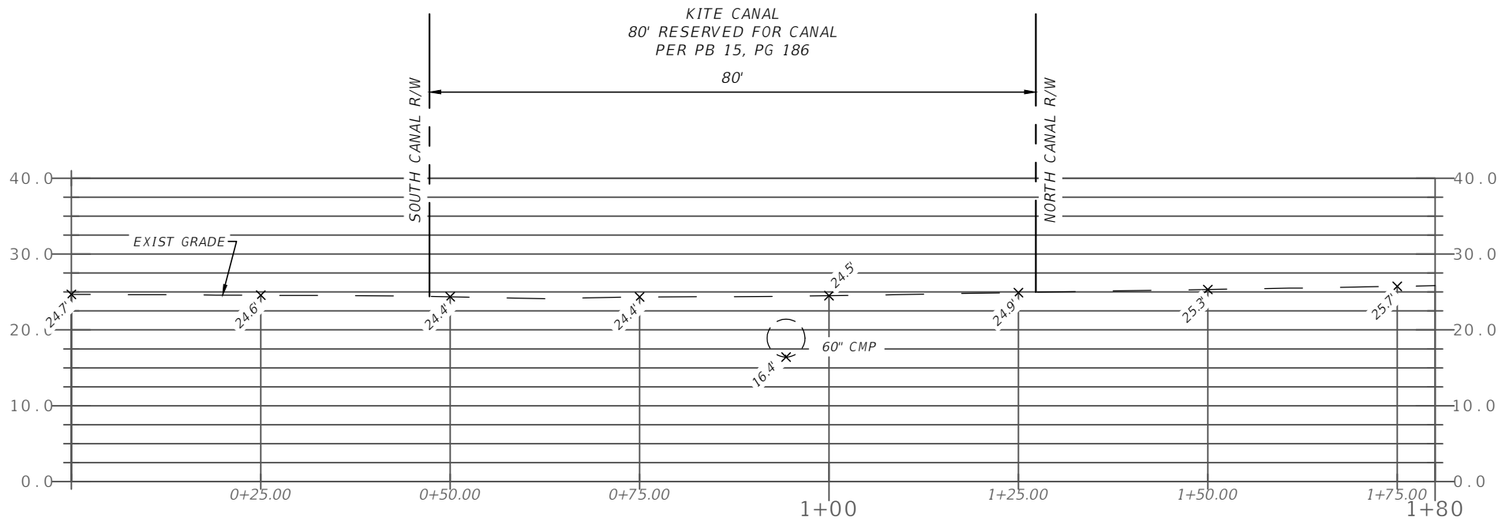
TOPOGRAPHIC SURVEY-PLAN VIEW

McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name: L023-1051 Anderson St.dwg	Field book/page: 106981-3/15	Project No.: 106980001-L023
Survey date: 12/10/2025	Drawn by: BWL	Checked by: TJH	Sheet No.: 01 OF 02

\\mckimcreed.com\nasuni\Data\Proj\10698\0001\Geomatics\90-WORK ORDERS\L023-1051 ANDERSON ST\L023-1051 Anderson St.dwg

Topographic Survey of a
Subject Project Site
Section 2, Township 45 South, Range 27 East
Lehigh Acres, Lee County, Florida



A-A Profile View
1" = 20' HORIZONTAL
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SEE SHEET 01 FOR LEGEND

Anderson Street, Lehigh Acres

TOPOGRAPHIC SURVEY-PROFILE VIEW

McKIM&CREED
5701 Division Drive, Suite A
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Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

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Survey date:	Drawn by:	Checked by:	Sheet No.:
12/10/2025	BWL	TJH	02 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L023-1051 ANDERSON ST\L023-1051 Anderson St.dwg

NOTE:

1. This Index applies to Two-Lane, Two-Way and Multilane Roadways, including Medians of divided roadways, with work on the shoulder.

2. L = Taper Length
   X = Work Zone Sign Spacing
   B = Buffer Length
   See Index 102-600 for "L", "X", "B", and channelizing device spacing values.

3. Where work activities are between 2' and 15' from the edge of traveled way, the Engineer may omit signs and channelizing devices for work operations 60 minutes or less.

4. When four or more work vehicles enter the through traffic lanes in a one hour period (excluding establishing and terminating the work area), use a flagger or lane closure to accommodate work vehicle ingress and egress.

5. For work less than 2' from the traveled way and work zone speed is greater than 45 MPH, use a lane closure.

6. The "Speeding Fines Doubled When Workers Present" signs (M0T-13-06) and "End Road Work" Signs (G20-2) along with the associated work zone sign spacing distances may be omitted when the work operation is in place for 24 hours or less.

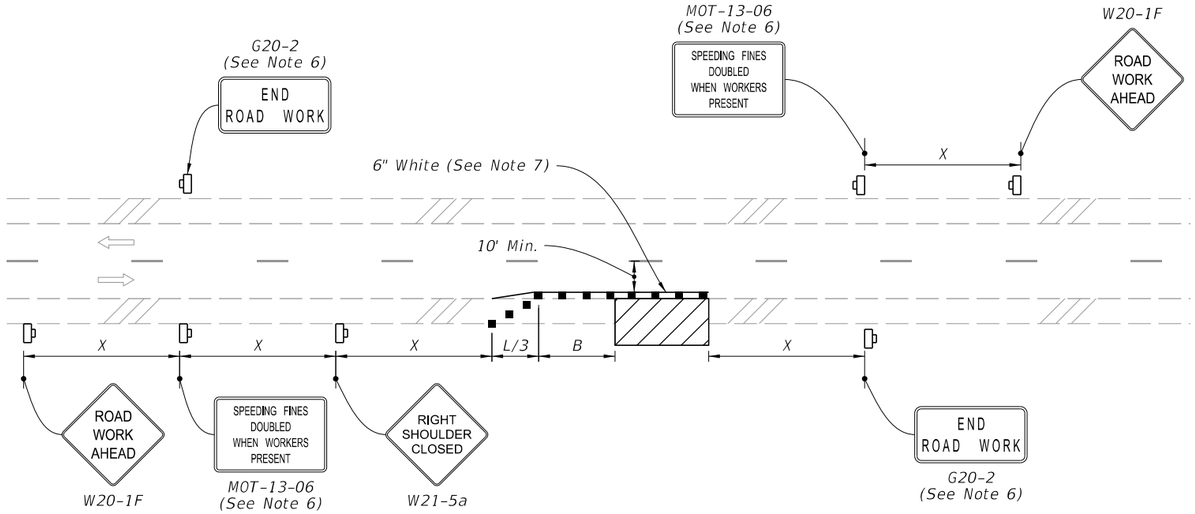
7. Temporary pavement markings may be omitted when the work operation is in place for 3 days or less.

8. Omit "Shoulder Closed" signs (W21-5a) along with associated work zone sign spacing distances for work on the median.

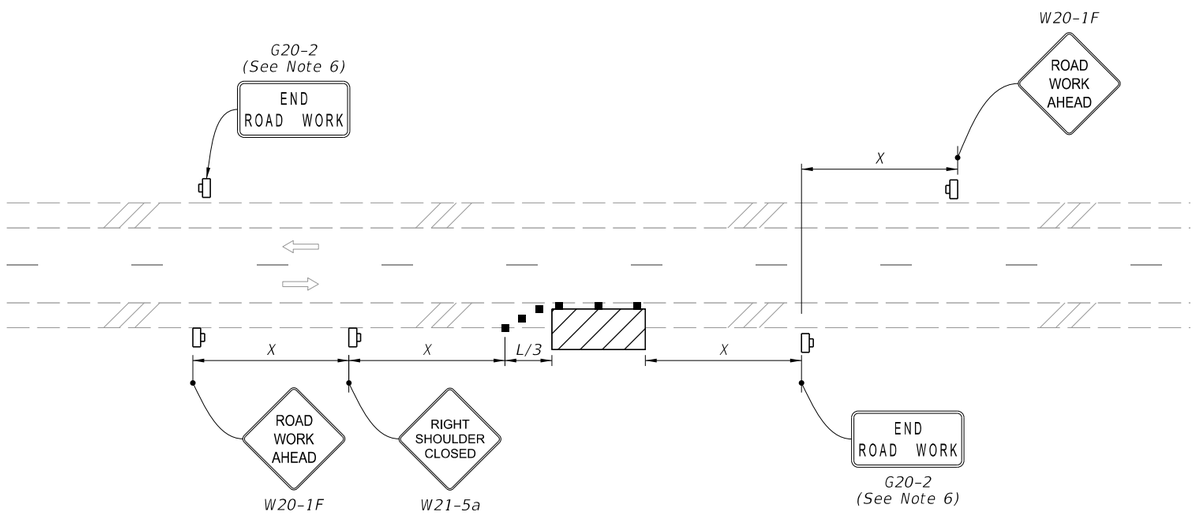
9. When there is no paved shoulder, the "Worker" sign (W21-1) may be used instead of the "Shoulder Closed" sign (W21-5a).

SYMBOLS:

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Lane Identification and Direction of Traffic



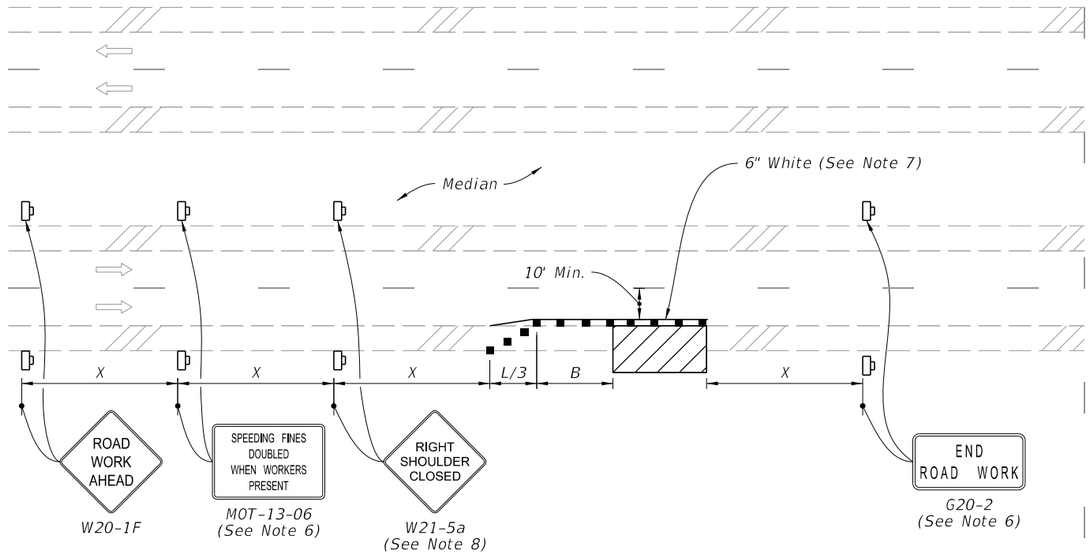
TWO-LANE ROADWAY
SHOULDER WORK LESS THAN 2' FROM THE TRAVELED WAY
WITH WORK ZONE SPEED OF 45 MPH OR LESS



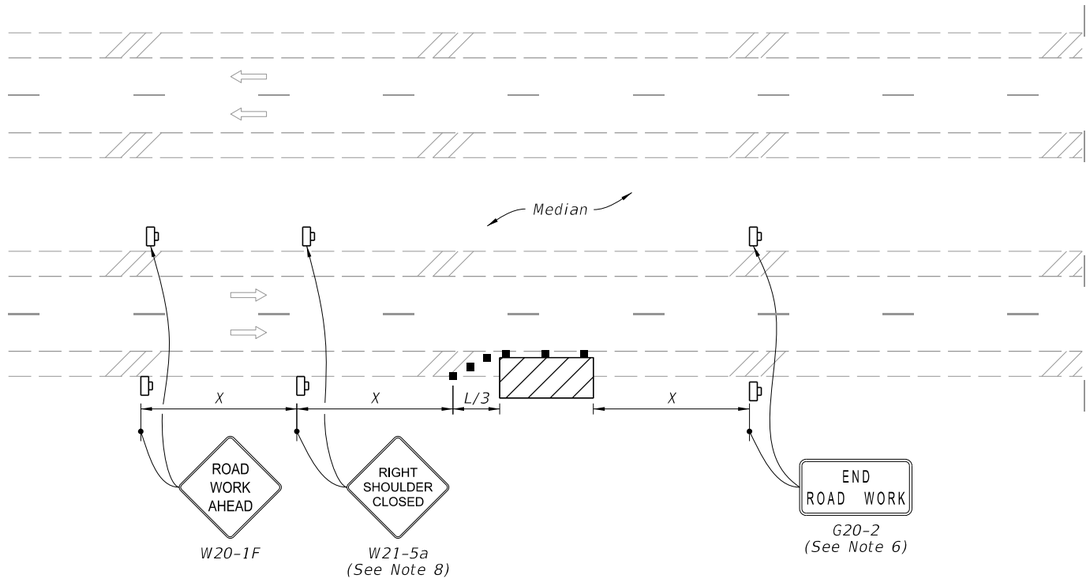
TWO-LANE ROADWAY
SHOULDER WORK BETWEEN 2' AND 15' FROM THE TRAVELED WAY

9/10/2024 10:45:37 AM

LAST REVISION	REVISION	DESCRIPTION:			INDEX	SHEET
11/01/21			FY 2025-26 STANDARD PLANS	TWO-LANE AND MULTILANE, WORK ON SHOULDER	102-602	1 of 2



MULTILANE ROADWAY
SHOULDER WORK LESS THAN 2' FROM THE TRAVELED WAY
WITH WORK ZONE SPEED OF 45 MPH OR LESS



SYMBOLS:

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- Work Zone Sign
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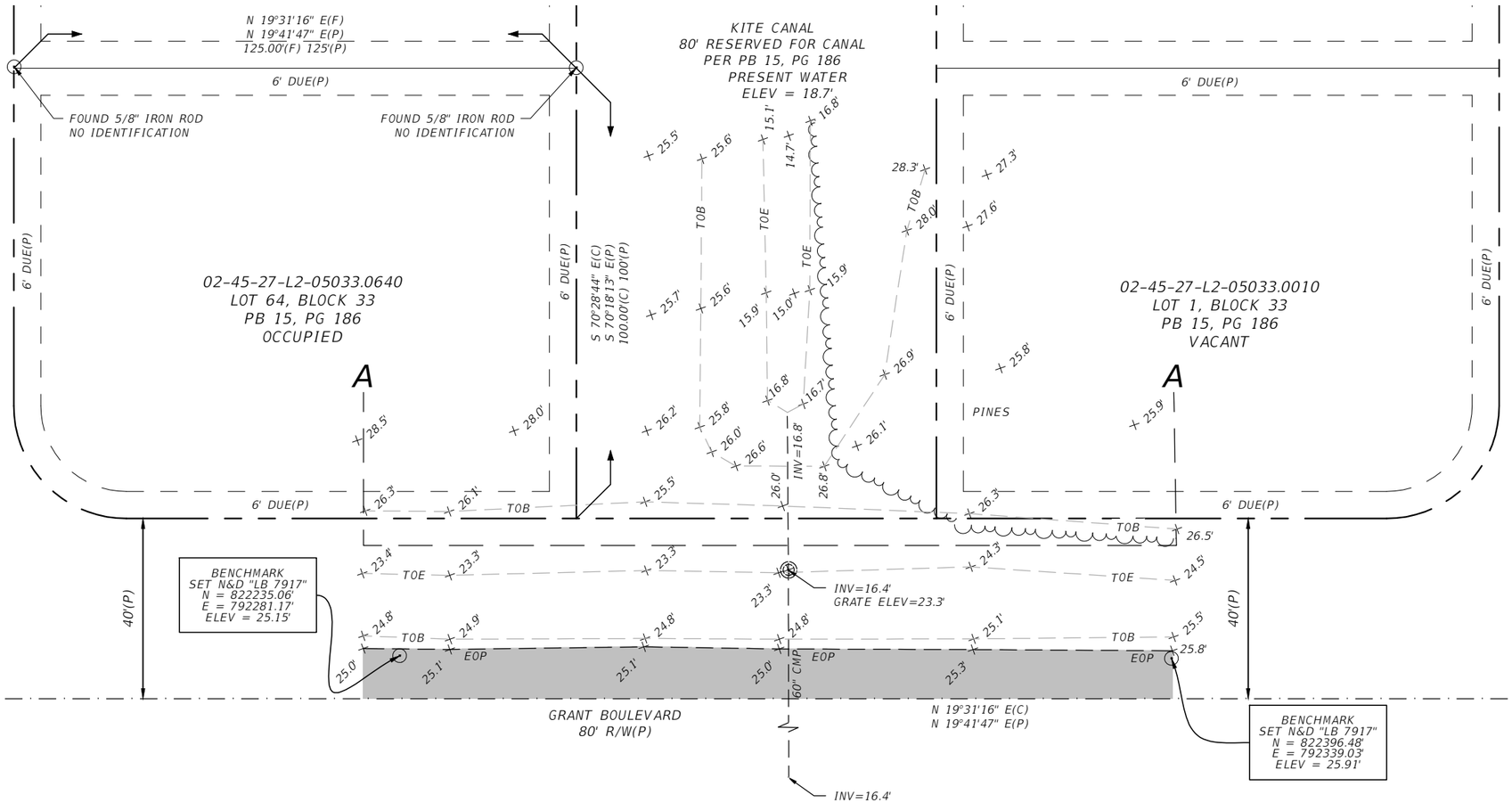
MULTILANE ROADWAY
SHOULDER WORK BETWEEN 2' AND 15' FROM THE TRAVELED WAY

9/10/2024 10:45:44 AM

LAST REVISION	REVISION	DESCRIPTION:				
11/01/20			FDOT FY 2025-26 STANDARD PLANS	TWO-LANE AND MULTILANE, WORK ON SHOULDER	INDEX 102-602	SHEET 2 of 2

SEE SHEET 02 FOR 1" = 20'
SECTION A-A PROFILE VIEW



N

0 15' 30'
(1" = 30')
Graphic Scale

Topographic Survey of a Subject Project Site

lying within

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STATE OF FLORIDA
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Anderson Street, Lehigh Acres

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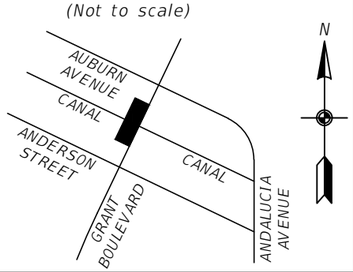

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File name: L023-1051 Anderson St.dwg	Field book/page: 106981-3/15	Project No.: 106980001-L023
Survey date: 12/10/2025	Drawn by: BWL	Checked by: TJH	Sheet No.: 01 OF 02

\\mckimcreed.com\nasuni\Data\Proj\10698\0001\Geomatics\90-WORK ORDERS\L023-1051 ANDERSON ST\L023-1051 Anderson St.dwg

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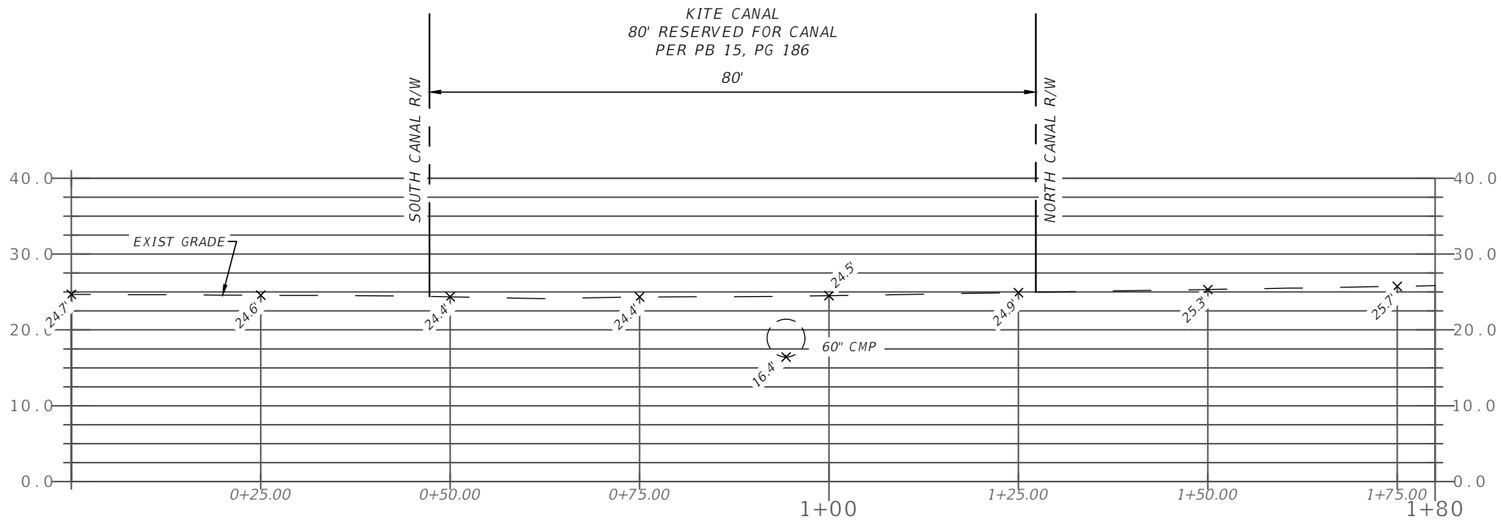

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1" = 20' VERTICAL

SEE SHEET 01 FOR LEGEND

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L023-1051 Anderson St.dwg	106981-3/15	106980001-L023

Survey date:	Drawn by:	Checked by:	Sheet No.:
12/10/2025	BWL	TJH	02 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L023-1051 ANDERSON ST\L023-1051 Anderson St.dwg

PART IV #26-109

Recommended Action

Engineering Review:

By: _____6/18/2026 **Approved _X_ Denied __**

District Field Review:

By: _____ Approved ___ Denied ___

District Manager: _____ Date: _____

Comments:

The referenced permit application submitted by Lumos Fiber of Florida, LLC for a subaqueous crossing under Kite Canal (57-2-2) at 1051 Anderson St. in Lehigh Acres, has been reviewed and is recommended for approval with the following stipulations:

1. On sheet 7 of the plans, please remove or modify dimensions of 18.5' and 18.9', as well as make the bore elevations (5.9') more noticeable to avoid construction site mistakes.

2. On sheet 7 of the plans, minimum 10' offset from canal bottom, Disturbed R/W sodding requirements, and 48" minimum bore offsets from pavement notes are missing, please revise.

3. On sheet 11 of the plans, the culvert crossing detail specifies 24" minimum offset from culvert, if the detail is depicting a canal crossing, the offset should be 120" or 10'. If not, please include a note to clarify that the details do not apply to LA-MSID canal crossing.

4. Permanent above-ground cable markers must be placed at the canal right-of-way (R/W) line on each side of the crossing.

5. Any disturbed canal R/W must be restored with sod and maintained until fully established. Seeding will not be permitted.

6. Within 30 days of completing the improvements, provide LA-MSID with a copy of the survey record drawings indicating the location and elevation of utilities within the canal R/W.

7. The permittee will be responsible for any necessary repairs, alterations, or relocation of the utility if required for future maintenance or repairs of the canal.

8. Lee County DOT must review and approve any utility work proposed within the County Road R/W.

LEHIGH ACRES - MUNICIPAL SERVICES IMPROVEMENT DISTRICT
PERMIT

THIS PERMIT is granted this 20th day of July, 2026, by Lehigh Acres Municipal Services Improvement District (hereinafter referred to as "DISTRICT"), 601 East County Lane, Lehigh Acres, Florida 33936, to Lumos Fiber of Florida, LLC, 4100 Mendenhall Oaks Parkway, Suite 300, High Point, NC 27265, hereinafter referred to as the "Permittee") as a non-exclusive permit for a directional bore under Bald Eagle Canal (57-2-1), along the south side of Sentinela Blvd., between Grant Blvd. & Genoa Ave. S., in Lehigh Acres, FL.

W I T N E S S E T H:

1. In the event the DISTRICT is not the fee title owner of the real property (the "Property") to which this Permit is applicable, the Permittee agrees, prior to commencement, to obtain all necessary consents from the fee title owners of the Property.

2. This Permit does not constitute a waiver of the necessity by the Permittee to obtain such other necessary and appropriate permits required by other governmental bodies or agencies; therefore the Permittee, prior to commencement, is required to obtain any and all other applicable federal, state, and local permits required in connection with Permittee's use of the Property and agrees that at all times it will comply with the requirements of all federal, state and local laws, ordinances, rules and regulations applicable or pertaining to the use of the Property by the Permittee.

3. Permittee understands and agrees that the use of the Property pursuant to this Permit is subordinate to the rights and interests of the DISTRICT and to the extent applicable that of the fee title owner of the Property. Further, Permittee does hereby stipulate that the Permittee is not relying upon any representations whatsoever by the DISTRICT regarding the DISTRICT'S right, title, interest, or ownership as to the Property for which this Permit is applicable.

4. The Permittee, by accepting this permit, specifically agrees to allow authorized District Personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:
    a. Having access to and copying any records that must be kept under the conditions of the permit:
    b. Reviewing the facility, equipment, practices, or operations regulated or required under this permit; and
    c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or District rules.

5. The DISTRICT specifically reserves the right to maintain its facilities located over, under or upon the Property; to make improvements; add additional facilities; maintain, construct or alter its roads; maintain any facilities, devices, or improvements on the Property which aid in or are necessary to the DISTRICT'S operation; and the right to enter upon the Property at all times for such purposes. Permittee understands that in the exercise of such rights and interest, the DISTRICT may require Permittee, at no cost to DISTRICT, to relocate, alter, or remove the Permittee's facilities and equipment or other improvements made by Permittee pursuant to this Permit which interfere with or prevent the DISTRICT, in the DISTRICT'S opinion, from properly and faithfully constructing, improving and maintaining its facilities. If the Permittee should fail to relocate, alter, or remove the Permittee's facilities, equipment or other improvements made by the Permittee pursuant to this Permit within a reasonable time period following receipt of notice from the DISTRICT requesting same, then in that event the DISTRICT shall have the right to enter upon the lands and make such relocation, alterations or removal of the Permittee's facilities, equipment/or other improvements at no cost to DISTRICT.

6. Permittee agrees that it will not use the Property in any manner which interferes with the DISTRICT'S

use of the Property or causes a hazardous condition to exist.

7. The DISTRICT assumes no responsibility for the ownership, operation and/or maintenance of the Permittee's facilities as permitted herein.

8. The Permittee agrees to backfill any excavation it makes within the Property and to repair or replace (i) any below-grade authorized facilities and features located therein, including but not limited to: water, sewer, stormwater or irrigation facilities, structures or appurtenances and (ii) as to at or above-grade facilities and features, this requirement shall only be applicable to grasses and sod, sidewalks, and roadway improvements (the term roadway improvements shall include but not be limited to curbing, roadway base, sub grade and asphaltic or concrete surfaces) which are removed or damaged as a direct result of said excavation. Such repair or replacement shall substantially restore these features to their condition as it existed immediately prior to the event precipitating the excavation.

9. All below-grade Permittee installations, including water and sewer lines, whether sub aqueous or not, together with appurtenant facilities, shall be located underground and have a minimum ground cover of thirty inches (30") below original design profile grade, including District waterways and roadways.

10. All Permittee activity related to sub aqueous utility, water and/or sewer lines, including appurtenant facilities, shall be conducted in such fashion that the primary functional purpose of the canal or lake body facility, specifically flood control, within which the activity is taking place is not adversely affected. More specifically, sub aqueous construction shall conform to the criteria given in the Lehigh Acres Municipal Services Improvement District (Lehigh Acres – MSID) Administrative Policy and Procedures.

11. Permittee shall, at no expense to DISTRICT and within a reasonable time following notice, adjust the positions and elevations of its facilities as may be required in connection with future improvements to, or construction of, works of the DISTRICT.

12. Permittee does hereby indemnify and hold harmless the DISTRICT, its Board of Commissioners, officers, personnel, and it's Engineers against any claims, losses, damages (including consequential), expenses, or legal fees that might arise out or result from the implementation of the proposed project by the Permittee or that may be caused by a failure of DISTRICT facilities or property.

13. The Permittee shall be obligated at the time of submission of its Permit application, to provide a detail of any other existing improvements located over, under, upon or through the Property and the Permittee's accompanying plans and specifications shall clearly indicate how the Permittee will comply with required clearances between the requested permitted activity and existing improvements located over, under and upon the Property, including compliance with other permitted users duly adopted and published standards.

14. Permittee shall reimburse the DISTRICT for its legal, engineering and other expenses incurred as a result of the implementation of the proposed project.

15. If Permittee should violate any of the terms or conditions of the Permit and shall not correct or remedy same within ten (10) days of receiving written notice of said violation from the DISTRICT, then in that event, the DISTRICT may, at its option, revoke, cancel and terminate this Permit.

16. This Permit may not be assigned by the Permittee without the prior written approval of the DISTRICT.

17. Unless otherwise adjusted, modified or terminated as set forth hereinabove, including the Conditions attached hereto, this Permit shall continue in full force and effect so long as Permittee complies with the

terms of this Permit.

18. In any litigation, including breach, enforcement or interpretation arising out of this Permit, the prevailing party to this Permit shall be entitled to recover reasonable attorney's fees, costs and expenses related to said action from the non-prevailing party.

19. That attached hereto are Supplemental Conditions to this Permit which are incorporated herein and made a part hereof.

LEHIGH ACRES – MUNICIPAL SERVICES IMPROVEMENT DISTRICT

BY: _____

NAME TYPED: David E. Lindsay

TITLE: District Manager

SUPPLEMENTAL CONDITIONS TO PERMIT NO. 26-110

A. GENERAL CONDITIONS

1. Notification shall be given by the Permittee to the District Engineer, AIM Engineering, at 239-332-4569 forty-eight (48) hours prior to commencement of the permitted activity. The District Engineer shall establish points of construction, if applicable, which will require inspection by the District Engineer prior to construction of the permitted activity. When the Permittee considers the permitted activity complete, the Permittee shall notify the District Engineer and schedule an on-site final inspection which shall be held in the presence of a representative of the Permittee and the District Engineer.

2. The permitted activity shall be implemented, constructed and/or installed in full accordance with the approved plans and specifications within six (6) full calendar years from the date of permit approval. Deviations from the approved plans or specifications shall be coordinated with and approved by the District Engineer prior to implementation of any such deviation.

3. When working in a District road right-of-way, not more than one-half (½) of the road or street shall be closed and traffic shall be controlled so as to provide for the safety and minimum hindrance to the public. All traffic control operations shall conform to the most current issue of the Florida Department of Transportation publication "Manual on Traffic Controls and safe Practices for Street and Highway Construction, Maintenance and Utility Operations."

4. The District Engineer shall be the final authority as to the quality and quantity of the material and works required to satisfy the terms and conditions of this Permit as they relate to District improvements and facilities.

5. Upon completion of the permitted activity and after its final review and acceptance by the District Engineer THE PERMITTEE SHALL DELIVER TO THE DISTRICT OFFICE ONE COMPLETE SET OF THE FINAL "RECORD DRAWINGS." FAILURE TO PROVIDE THE FINAL RECORD DRAWINGS MAY RESULT IN THE REVOCATION, CANCELLATION AND TERMINATION OF THIS PERMIT.

6. The above Conditions shall be continuing obligations of the Permittee and shall be complied with in the event of any subsequent maintenance, repair, replacement or modification of the permitted improvement.

Stipulations:

1). Permit #26-110 is approved according to the plans submitted June 11th, 2026.

2). The proposed directional bore must maintain a minimum clearance of 10 feet below the bottom elevation of the canal for the entire 150' within the canal right of way.

3). Permanent utility markers, (at least 4' high) with the utility companies contact information clearly labeled on it, must be installed at each canal right of way line over top the proposed line.

4). All guy wires, poles, pull boxes, etc. must be located outside of the canal right of way and not interfere with the District's canal maintenance activities.

5). All canal R/W that is disturbed must be restored with sod and maintained until well established (no seeding will be allowed).

6). Boring contractor is not allowed to pump water out of the LAMSID canals for their boring operations unless they apply for and receive a water use permit from LAMSID.

7). The Permittee will be responsible for any repairs, alterations, or relocation of the utility if required for repairs or maintenance of the canal in the future.

8). Provide LAMSID with a copy of your record drawings and a copy of your bore depth logs showing where your utilities are located within the canal R/W and at what elevation they are located, within 30 days following completion of the improvements.

9). Lee County DOT must review and approve the utility work that is outside of the canal right of way along Sentinela Blvd.

06-18-26
Z6-110

APPLICATION FOR A PERMIT

*Note: The review of permit applications will be conducted per the Lehigh Acres Municipal Services Improvement District's Administrative Policy and Procedures

AGENT NAME: WILLIAM KIEFER **PHONE #:** (515) 306 - 3403

PROJECT NAME: LE1_007_FDH_002 118 GENOA AVE S - BALD EAGLE CANAL 57-2-1

TOTAL ACREAGE: N/A

Property Address (STRAP associated with this address will be used as the primary STRAP for this project): 118 GENOA AVE S					
Mailing Address:	N/A				
City:	LEHIGH ACRES	**State:**	FLORIDA	**Zip:**	33974

STRAP NUMBERS (*attach additional sheet if necessary*)**:**

01-45-27-L1-01002-0120

Brief description of proposed project:

Application for: DIRECTIONAL BORE 2x1.25" HDPE SDR 11 CONDUIT 150' IN THE LAMSID ROW OF BALD EAGLE CANAL 57-2-1 ALONG SENTINELA BLVD

RECEIVED
JUN 18 2026
LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

Is the project proposed to be developed in phases? ☐ Yes ☑ No

Estimated # of Phases:	1
*Permit Fee:	$3000.00 (to be verified by staff)

* See Administrative Policy and Procedures Sections 4.15 – 4.17 for current Permit Fee Amount.

PART II

OWNER/APPLICANT/ DEVELOPER INFORMATION

A.

Name of Applicant	LUMOS FIBER OF FLORIDA, LLC				
Mailing Address:	Street:	4100 MENDENHALL OAKS PKWY, SUITE 300			
City:	HIGH POINT	State:	NORTH CAROLINA	Zip:	27265
Phone No.	Area Code: 515	Number:	306 - 3403	Ext.	
Fax No.	Area Code:	Number:	-		
E-mail Address:	WILLIAM.KIEFER@LUMOSFIBER.COM				

B. Relationship of applicant to property*:
Owner* ☐ Trustee* ☐ Option holder* ☐ Lessee* ☐

Contract Purchaser* ☐ Other (indicate)* ☑ UTILITY

C.

Name of Developer:	MILENIUM DIRECTIONAL DRILLING, INC				
Mailing Address:	Street:	5395 COGSWELL DR			
WAYNE	State:	MI	Zip:	48184	
Area Code:	(313)	Number:	326 - 2333	Ext.	
Fax No.	Area Code: ( )	Number:	-		
E-mail Address:	FELECAND@MILENIUMBORS.COM				

D.

Name of Authorized Agent(s):	CENTILLION SOLUTIONS				
Mailing Address:	Street:	6030 BETHELVIEW RD, SUITE 301			
City:	CUMMING	State:	GEORGIA	Zip:	30040
Phone No.	Area Code:	(480)	Number:	442 - 0562	Ext.
Fax No.	Area Code:	( )	Number:	-	
E-mail Address:	KYLE.PARKEY@CENTILLIONSOLUTIONS.COM				

E.

Name of Property owner:	N/A				
Mailing Address:	Street:				
City:		State:		Zip:	
Phone No.	Area Code:	( )	Number:	-	Ext.
Fax No.	Area Code:	( )	Number:	-	
E-mail Address:					

*A disclosure of the name of all persons or entities having an ownership interest in the property is required (attached).

PART III

DISCLOSURE OF OWNERSHIP INTEREST FORM FORM:

__-__-__-__-_____-____

PRIMARY STRAP NUMBER:

1. If the property is owned in the fee simple by an **INDIVIDUAL**, tenancy by the entirety, tenancy in common, or joint tenancy, list all parties with an ownership interest as well as the percentage of such interest.

Name and Address	Percentage of Ownership

2. If the property is owned by a **CORPORATION**, list the officers and stockholders and the percentage of stock owned by each.

Name, Address, Office	Percentage of Stock

3. If the property is in the name of a **TRUSTEE**, list the beneficiaries of the trust with percentages of interest.

Name and Address	Percentage of Interest

4. If the property is in the name of a **GENERAL PARTNERSHIP OR LIMITED PARTNERSHIP**, list the names of general and limited partners.

Name and Address	Percentage of Interest

5. If there is a **CONTACT FOR PURCHASE**, whether contingent on this application Or not, and whether a Corporation, Trustee, or Partnership, list the names of the contract purchasers below, including the officers, stockholders, beneficiaries, or partners.

Name and Address	Percentage of Interest

Date of Contract (mm/dd/yy): / /

6. If any contingency clause or contract terms involve additional parties, list all individuals or officers, if a corporation, partnership, or trust.

Name and Address	Percentage of Interest

For any changes of ownership of changes in contracts for purchase subsequent to the date of the application, but prior to the date of final certificate for compliance, a supplemental disclosure of interest must be filed.

The above is a full disclosure of all parties of interest in this application, to the best of my knowledge and belief.

William Kiefer
SIGNATURE OF APPLICANT

WILLIAM KIEFER
PRINTED OR TYPED NAME OF APPLICANT

STATE OF FLORIDA
COUNTY OF LEE

The foregoing instrument was acknowledged before me this 17th day of June (m), 2026 (y), by William Kiefer who is personally know to me or has produced _____ as identification.

Shandie N Bradshaw
SIGNATURE OF NOTARY PUBLIC

Shandie N Bradshaw
PRINTED NAME OF NOTARY PUBL

SHANDIE NICOLE BRADSHAW NOTARY PUBLIC REG #7132142 MY COMMISSION EXPIRES August 31, 2026 COMMONWEALTH OF VIRGINIA

PART IV

EXPLANATION

All Permit Application sections must be completed and submitted.

Permit Application fees and submittal items (see Part VI) must be submitted with the application.

Any and all work involving the lands and/or facilities of the District shall not commence without a Board approved permit.

All set policies, procedures, technical requirements, and fee schedules can be found and reviewed in the 'Administrative Policy and Procedures Guide'. The Guide is available at the District Office located at 601 East County Lane, Lehigh Acres, FL or online at la-msid.com/.

PART V

PROFESSIONAL CONSULTANT FORM

ATTORNEY

Name:					
Mailing Address:					
City:		State:		Zip:	
Business No.	Area Code: ( )	Number:	-	Ext.	
Other Contact:					

ENGINEER

Name:	MCKIM & CREED				
Mailing Address:	5701 DIVISION DR, STE A				
City:	FORT MYERS	State:	FLORIDA	Zip:	33905
Business No.	Area Code: (239)	Number:	980 - 3384	Ext.	
Other Contact:					

OTHER REPRESENTATIVE/PROFESSIONAL

Name:	BLAIR CONSULTING SERVICES, INC				
Mailing Address:	1428 SUNBLUSH LN				
City:	LAS VEGAS	State:	NV	Zip:	89117
Business No.	Area Code: (813)	Number:	579 - 0128	Ext.	
Other Contact:					

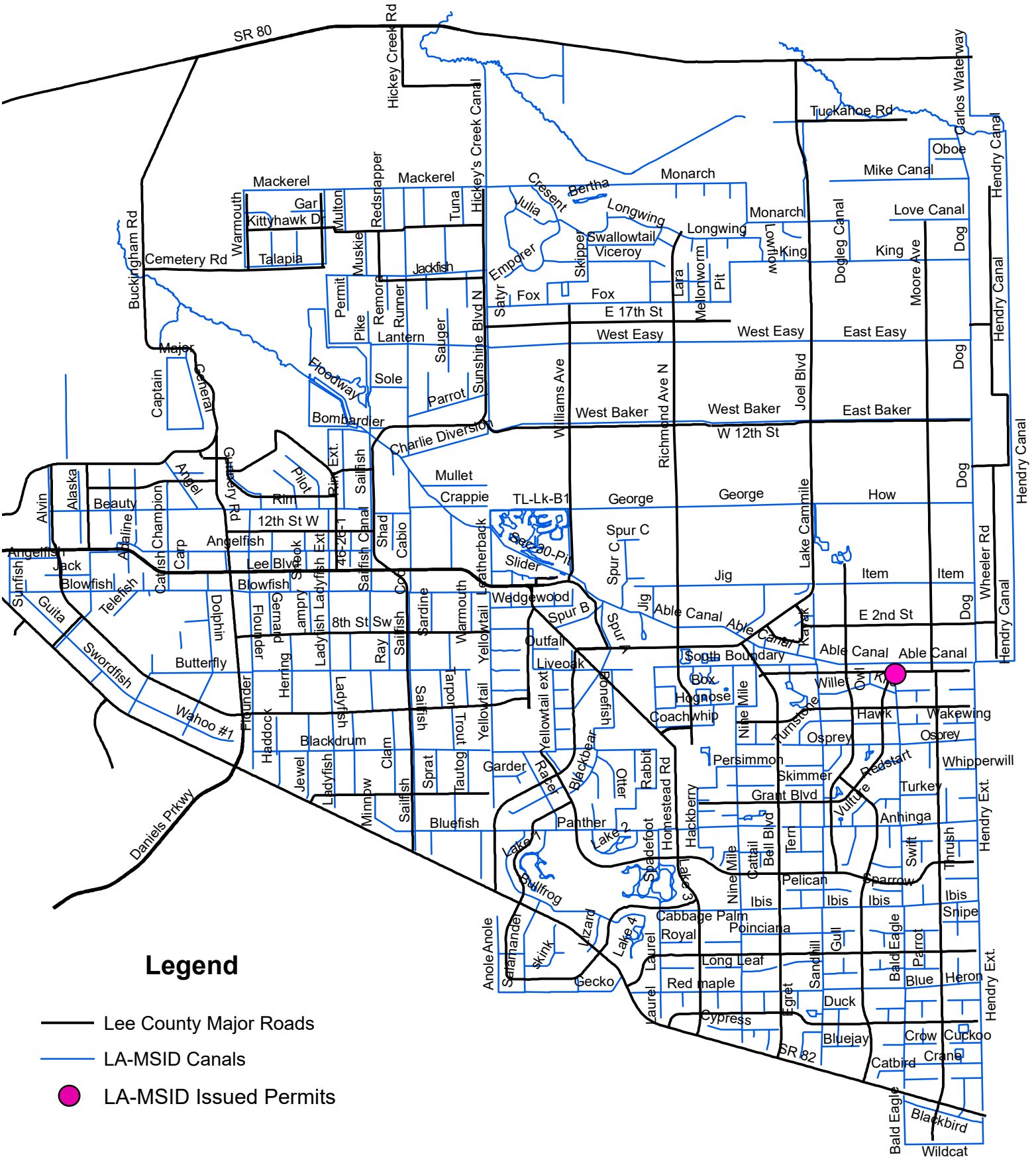
PART VI

SUBMITTALS

NO. OF COPIES		SUBMITTAL DOCUMENT
SUB'D	REQ'D	
		ITEMS REQUIRED FOR INITIAL SUBMITTAL
2	2	**Construction/Development Plans** signed and sealed by a Licensed Florida Professional Engineer including: 1. Location map showing the location of the proposed project in relation to adjacent streets and LA-MSID facilities. 2. Details of proposed works that fully communicate the work and/or use desired (i.e. Existing Conditions Survey, Proposed Site Plan, Paving Grading & Drainage Plan, Cross Sections, Element Details, and Erosion Control Plan sheets). 3. Sufficient survey data to determine elevations, property and ROW lines, limits of existing and proposed conditions, and notation of utilized vertical datum (NAVD/NGVD).
NA	2	**Stormwater Drainage Calculations** signed and sealed by a Licensed Florida Professional Engineer including, but not limited to, computer stormwater routing modeling data (ICPR4, Cascade, etc.) to verify compliance with the Design Criteria (input summary data below): **Water Quality Volume (Required):** _____(ACRE-FT) **Water Quality Volume (Provided):** _____(ACRE-FT) **Control Elevation:** _____(FT-NGVD) **Minimum Road/Parking Elevation:** _____(FT-NGVD) *(above the 10-year, 1-day design storm peak stage elevation)* **Minimum Perimeter Berm Elevation:** _____(FT-NGVD) *(above the 25-year, 3-day design storm peak stage elevation)* **Minimum Finished Floor Elevation:** _____(FT-NGVD) *(above the 100-year, 3-day design storm peak stage elevation and previously experienced high-water levels external to project)*
2	2	**Flash Drive / CD** containing plans in both AutoCAD (.dwg file drawn in "State Plane Coordinates") and PDF formats.
2	2	**Permit Application** (PARTS I & II)
2	2	**Disclosure of Owner Form (signed and notarized)** (PART III)
2	2	**Professional Consultant Form & Submittals** (PARTS V & VI)
NA	2	**Copy of Approved FDEP Notice of Intent (NOI)** for all sites one (1) acre and greater in size.
NA	2	**Copy of approved SWFMD permit**, for all sites required to get a permit, **or FDEP "10/2 Self-Certification"** approval.
1	1	**Check for appropriate Permit Fees** made out to LA-MSID.

Lehigh Acres Municipal Services Improvement District
♦601 East County Lane ♦Lehigh Acres, FL 33936 ♦Phone: (239) 368-0044

Permit # 2026-110

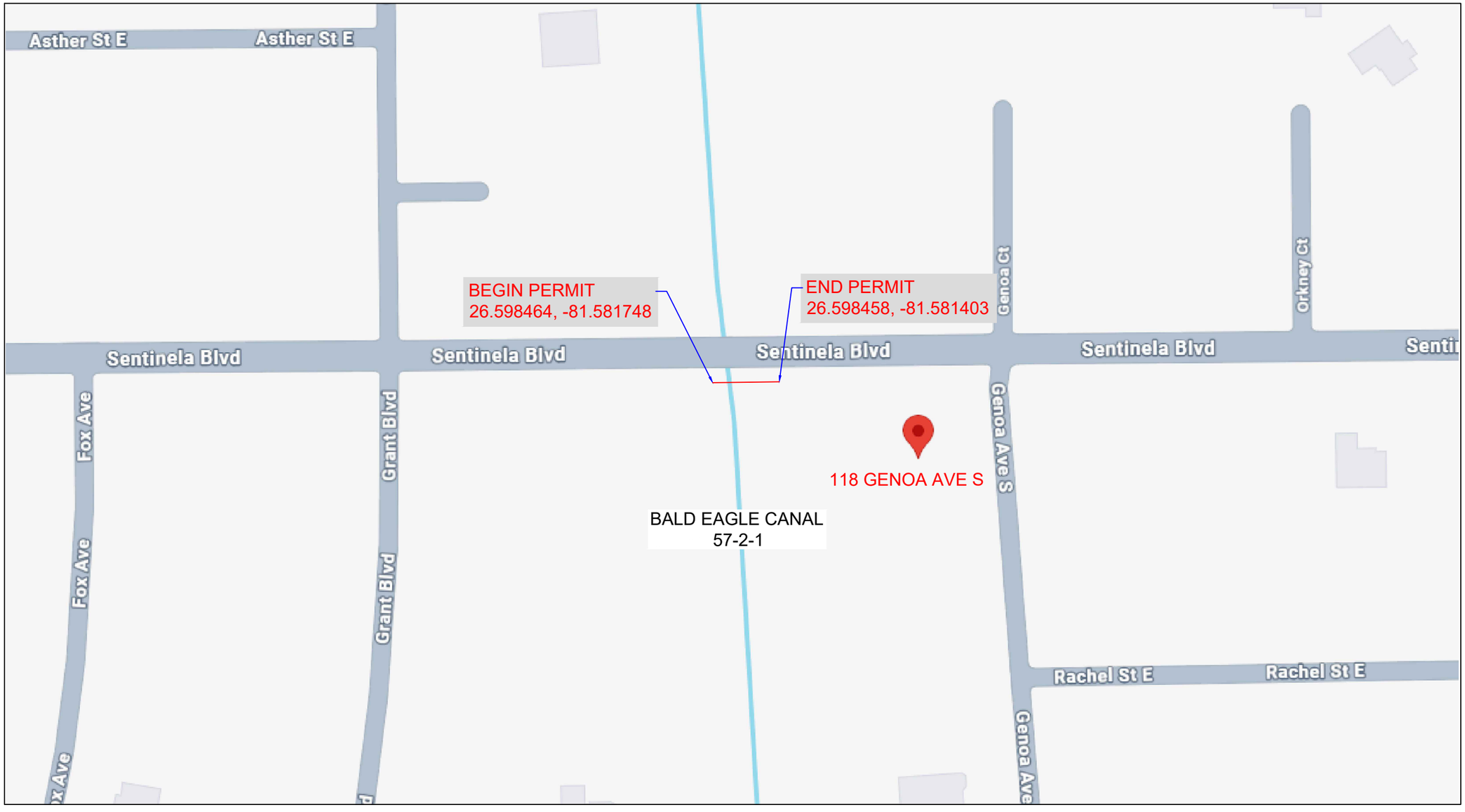


Legend

- Lee County Major Roads
- LA-MSID Canals
- LA-MSID Issued Permits

LE1_007_FDH_002 - LEHIGH ACRES_LEE COUNTY_FLORIDA - BALD EAGLE CANAL

118 GENOA AVE S, LEHIGH ACRES, FL 33974 (26.598497, -81.581571)



PERMIT #:

PROJECT DESCRIPTION

- BURIED PLACEMENT OF 340' OF (2) 1.25" HDPE SDR 11 CONDUIT EQUIPPED WITH (1) 144-CT FIBER OPTIC CABLE. (0) PROPOSED HANDHOLES.
- PIPE TO BE INSTALLED BY MEANS OF HORIZONTAL DIRECTIONAL DRILLING AND HAND DIGGING METHODS.
- ALL AREAS DISTURBED BY INSTALLATION TO BE RESTORED TO EXISTING OR BETTER CONDITION.

DRAWING INDEX

SHEET NUMBER	SHEET TITLE	SHEET NUMBER	SHEET TITLE
1	COVER SHEET	7	PROFILE VIEW
2	SOW AND CONTACTS	8 - 9	IMAGES
3	LEGEND	10 - 12	TYPICALS
4 - 5	GENERAL NOTES		
6	PROJECT SHEETS		

PERMITTING AGENCY

LA - MSID

lumos

BLAIR CONSULTING SERVICES, Inc.

1428 SUNBLUSH LN
LAS VEGAS, NV 89117

811 Know what's below. Call before you dig.

Blair Consulting Services, INC
1428 Sunblush Ln, Las Vegas, NV 89117
Fabio Perassi - Project Manager
fsperassi@gmail.com

LUMOS
William Kiefer - OSP Project Engineer
william.kiefer@lumosfiber.com
Phone: (515) 306-3403

Jason Bush - Construction Manager
jason.bush@lumosfiber.com
Phone: (941)812-2913

EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND BASED ON AVAILABLE RECORDS AND FIELD OBSERVATIONS. CONTRACTOR IS RESPONSIBLE FOR CALLING 811 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES AND ANY DAMAGE TO THE UTILITIES SHALL BE IMMEDIATELY REPAIRED AT THE CONTRACTOR'S EXPENSE.

REVISION DATA

NO.	DESCRIPTION	BY	DATE
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SHEET TITLE: COVER SHEET

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_007_FDH_002
DESCRIPTION:	BALD EAGLE CANAL
DRAWING NAME:	LE1_007_FDH_002 - LEHIGH ACRES_LEE COUNTY_FLORIDA - BALD EAGLE CANAL
SHEET:	1 OF 12

SCOPE OF WORK

- BURIED PLACEMENT OF 340' OF (2) 1.25" HDPE SDR 11 CONDUIT EQUIPPED WITH (1) 144-CT MICROFIBER OPTIC CABLE. (0) PROPOSED HANDHOLES.
- PIPE TO BE INSTALLED BY MEANS OF HORIZONTAL DIRECTIONAL DRILLING AND HAND DIGGING METHODS.
- ALL AREAS DISTURBED BY INSTALLATION TO BE RESTORED TO EXISTING OR BETTER CONDITION.

UTILITY OWNER CONTACTS

LUMOS
William Kiefer - OSP Project Engineer
William.kiefer@lumosfiber.com
Phone: (515) 306-3403

Jason Bush - Construction Manager
jason.bush@lumosfiber.com
Phone: (941)812-2913

ENGINEERING COMPANY

Blair Consulting Services, INC
1428 Sunblush Ln,
Las Vegas, NV 89117

PROJECT MANAGER
Fabio Perassi
813-579-0128
fsperassi@gmail.com

UTILITIES CONTACTS

CENTURYLINK
BILL MCCLOUD
(850) 815-3144

LEE COUNTY ELECTRIC CO-OP
TOM BAILEY
(239) 656-2414

LUMOS FIBER OF FLORIDA, LLC
MARLON BROWN - SR DIRECTOR
MARLON.BROWN@LUMOSFIBER.COM
(540) 278-0304

FLORIDA GOVERNMENTAL UTILITIES AUTHORITY - LEHIGH
POTABLE WATER/SANITARY SEWER
LINA MARIA QUINTERO, PE
(727) 858-2396

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT
MICHAEL COOK
(239) 368-0044 Ext. 16
MCOOK@LA-MSID.COM
STORM WATER/CANALS

LEE COUNTY DEPARTMENT OF TRANSPORTATION (DOT)
COMMERCIAL RIGHT OF WAY USE PERMIT
(239) 533-8580
ROADS

FDOT
DISTRICT 1 - COUNTIES: CHARLOTTE, COLLIER, DESOTO, GLADES, HARDEE, HENDRY, HIGHLANDS, LEE, MANATEE, OKEECHOBEE, POLK, SARASOTA
801 N. BROADWAY AVENUE
BARTOW, FLORIDA 33830
PHONE: (800) 292-3368
PHONE: (239) 225-1900

PERMITTING AGENCY
LA - MSID

lumos

BLAIR CONSULTING SERVICES, Inc.

1428 SUNBLUSH LN
LAS VEGAS, NV 89117

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REVISION DATA

NO.	DESCRIPTION	BY	DATE
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SHEET TITLE: SOW & CONTACTS

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_007_FDH_002
DESCRIPTION:	BALD EAGLE CANAL
DRAWING NAME:	LE1_007_FDH_002 - LEHIGH ACRES_LEE COUNTY_FLORIDA - BALD EAGLE CANAL

LINETYPES

- UG FIBER – EXISTING
- UG FIBER – PROPOSED
- AERIAL FIBER – EXISTING
- AERIAL FIBER – PROPOSED
- COMMUNICATION (COM)
- RECLAIM WATER (RCW)
- DITCH
- GUARDRAIL
- ROAD CENTERLINE
- EASEMENT (ESMT)
- GAS (G)
- WATER (W)
- TELEPHONE (T)
- ELECTRIC (E)
- SANITARY SEWER (SEW)
- STORM DRAIN (SD)
- FENCE (X)
- CABLE TV (TV)
- STEAM (STM)
- OIL (OIL)
- UNKNOWN UTILITY (UNK)
- RIGHT OF WAY (R/W)
- EDGE OF PAVEMENT (EOP)
- SIDEWALK (S/W)

SYMBOL	DESCRIPTION
BP	BORE PIT
EOP	EDGE OF PAVEMENT
EOTW	EDGE OF TRAVEL WAY
FOC	FIBER OPTIC CABLE
HDPE	HIGH DENSITY POLYETHYLENE
HH	HANDHOLE
JB	JUNCTION BOX
MH	MANHOLE
MP	MILE POST
O/S	OFFSET
PVC	POLY VINYL CHLORIDE
RGS	RIGID GALVANIZED STEEL CONDUIT
ROW	RIGHT OF WAY
S/W	SIDEWALK
STA.	STATION

- CB — CABINET
- P — PEDESTAL
- E — ELECTRIC
- EM — ELECTRIC METER
- MH — MANHOLE
- R — RISER
- T — TELEPHONE
- P — POWER VAULT
- CATCH BASIN/INLET
- FIRE HYDRANT
- GROUND/BOND
- STREET LIGHT
- TREE
- CULVERT
- WING WALL
- BRIDGE
- U — MISC. UTILITY
- UTILITY POLE – EXISTING
- OWNER ID — POLE – PROPOSED
- HH — HANDHOLE – EXISTING
- HH — HANDHOLE – PROPOSED
- PD — PEDESTAL – PROPOSED
- MKR — PROMARK DOME MARKER POST
- BORE PIT – PROPOSED

- 0' — AERIAL STORAGE – EXISTING
- 0' — AERIAL STORAGE – PROPOSED
- 0' — VAULT/BUILDING STORAGE – EXISTING
- 0' — VAULT/BUILDING STORAGE – PROPOSED
- POLE ANCHOR/DOWN GUY – EXISTING
- POLE ANCHOR/DOWN GUY – PROPOSED
- PROPOSED DOWN GUY ON EXISTING ANCHOR
- FDP / NAME / SIZE / LOCATION — TERMINATION – EXISTING
- FDP / NAME / SIZE / LOCATION — TERMINATION – PROPOSED
- BUILDING / NAME / STREET — BUILDING CALLOUT – PROPOSED
- MANUFACTURER NAME — SPLICE POINT – EXISTING
- MANUFACTURER NAME — SPLICE POINT – PROPOSED

#F	
	IN: 0
	OUT: 0

SEQUENTIAL CALLOUT

#F	
	IN: 0
	TAIL: 0

SEQUENTIAL IN TAIL CALLOUT

#F	
	TAIL: 0
	OUT: 0

SEQUENTIAL TAIL OUT CALLOUT

POLE NO	N/A
UTILITY1	0'-0"

POLE ATTACHMENT CALLOUT – EXISTING
USE DYNAMIC PULL DOWN TO SELECT FROM 1 TO 6 ATTACHMENTS

POLE NO	N/A
UTILITY1	0'-0"

POLE ATTACHMENT CALLOUT – PROPOSED
USE DYNAMIC PULL DOWN TO SELECT FROM 1 TO 6 ATTACHMENTS

PERMITTING AGENCY
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lumos

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REVISION DATA

NO.	DESCRIPTION	BY	DATE
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SHEET TITLE: LEGEND

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_007_FDH_002
DESCRIPTION:	BALD EAGLE CANAL
DRAWING NAME:	LE1_007_FDH_002 - LEHIGH ACRES_LEE COUNTY_FLORIDA - BALD EAGLE CANAL
SHEET:	3 OF 12

GENERAL NOTES

CONTRACTOR MUST OBTAIN LOCATES PRIOR TO DISTURBING THE GROUND.

CONTRACTOR MUST HAVE A COPY OF THE APPROVED PERMIT FROM THE APPROPRIATE AGENCY ON THE JOBSITE AT ALL TIMES.

ALL CABLE WILL BE PLACED AT A MINIMUM DEPTH OF 36" DEEP UNLESS OTHERWISE DIRECTED BY A REPRESENTATIVE OF THE UTILITY OWNER.

ANY LANDSCAPING WILL BE REPLACED TO EQUAL OR BETTER THAN THAT WHICH EXISTED PRIOR TO WORK, 72 HOURS AFTER COMPLETION OF WORK.

PROJECT SITE WILL BE PROPERLY SECURED PRIOR TO THE END OF EACH DAY.

ALL WORK IS TO BE IN ACCORDANCE WITH ALL AUTHORITIES HAVING JURISDICTION IN THE WORK ZONE.

CONTRACTORS ARE ADVISED TO CONTACT THE PROJECT MANAGER FOR ANY ADDITIONAL INFORMATION OR CLARIFICATION CONCERNING SCOPE OF WORK OR THE REQUIREMENTS NECESSARY FOR PROJECT COMPLETION.

CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY ALL DIMENSIONS, QUANTITIES AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION. IF A SIGNIFICANT CHANGE TO THE RUNNING LINE IS NEEDED, PLEASE CONTACT THE PROJECT MANAGER BEFORE PROCEEDING.

BEFORE CONSTRUCTION BEGINS, CONTRACTOR SHALL TAKE APPROPRIATE PRECAUTIONS TO AVOID ANY POTENTIAL OBSTRUCTIONS PRIOR TO PROCEEDING WITH WORK.

NO CONSTRUCTION ON PRIVATE PROPERTY WILL COMMENCE UNTIL APPROVAL IS GIVEN BY A REPRESENTATIVE OF THE UTILITY OWNER.

CONTRACTOR SHALL NOT PROCEED WITH WORK UNTIL THEY HAVE RECEIVED A PURCHASE ORDER AND HAVE BEEN DIRECTED TO DO SO BY AN AUTHORIZED REPRESENTATIVE OF THE UTILITY OWNER.

CONTRACTOR SHALL NOT EXCEED THE PURCHASE ORDER VALUE WITHOUT AUTHORIZATION IN WRITING FROM THE APPROPRIATE REPRESENTATIVE OF THE UTILITY OWNER.

AS-BUILTS WILL BE REQUIRED FOR EACH PROJECT INCLUDING CABLE FOOTAGE SEQUENTIALS AT EVERY ACCESS POINT, SLACK LOOP, SPLICE LOCATION, POLE AND TERMINATION POINT. CONTRACTOR SHOULD ALSO PROVIDE NOTES OF ALL CHANGES IN DEPTHS, RUNNING LINES, MH/HH LOCATIONS, AND ANY OTHER APPLICABLE NOTES TO DEPICT THE WORK THAT TOOK PLACE. NOTE: ALL MAJOR CHANGES NEED TO BE PRE-APPROVED BY AN AUTHORIZED REPRESENTATIVE OF THE UTILITY COMPANY PRIOR TO STARTING THE WORK.

SITE CONDITIONS

THE ACTUAL LOCATION OF EXISTING CONDUIT AND CABLES MAY VARY FROM THE LOCATION SHOWN. REPAIR OF ANY DAMAGED CONDUIT CONTAINING CABLE SHALL BE MADE BY USE OF PVC SPLIT DUCT. THE CONTRACTOR SHALL ENCLOSE THE EXISTING CABLES IN PVC.

THE LOCATIONS OF EXISTING UTILITIES SHOWN IN THIS PLAN ARE APPROXIMATE. WHEN WORK IS TO BE CONDUCTED IN THE VICINITY OF KNOWN UTILITIES, THEIR ACTUAL LOCATION MUST BE FIELD VERIFIED TO AVOID CONFLICTS OR DAMAGE TO THOSE UTILITIES. VARIATION IN LOCATION BETWEEN "RECORDED POSITIONS" AND ACTUAL POSITIONS SHOULD BE ANTICIPATED.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES. BURIED UTILITIES MAY EXIST IN THE AREA IN ADDITION TO THOSE SHOWN ON THE PLAN. THE CONTRACTOR SHALL CONTACT PROPERTY OWNERS WHEN WORKING WITHIN PRIVATE EASEMENTS FOR LOCATION OF UNDERGROUND TANKS, PIPELINES, DRAIN TILES, OR OTHER BURIED IMPROVEMENTS. THE CONTRACTOR SHALL ALSO NOTIFY THE UTILITY NOTIFICATION CENTER PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITIES.

THE CONTRACTOR MUST ASSUME ALL BURIED UTILITIES ENCOUNTERED ARE ALIVE AND ACTIVE UNLESS SPECIFICALLY INSTRUCTED OTHERWISE BY OWNERS OR OPERATORS OF SAID UTILITIES.

DAMAGE TO SUB-SURFACE STRUCTURES IS THE SOLE RESPONSIBILITY OF THE PLACING CONTRACTOR.

THE CONTRACTOR SHALL PROTECT THE EXISTING TRAFFIC CONTROL LOOPS. IF EXISTING TRAFFIC CONTROL LOOPS ARE DAMAGED DURING CONSTRUCTION, THE ENTIRE LOOP WIRE FROM TERMINAL TO TERMINAL SHALL BE REPLACED IN ACCORDANCE WITH GOVERNING AGENCY STANDARDS AND REGULATIONS AT CONTRACTOR'S EXPENSE.

REMOVAL OF EXISTING ASPHALT PAVEMENT, CONCRETE CURBS, AND CONCRETE SIDEWALKS WILL BE "NEAT LINE" WITH SAW OR PAVEMENT CUTTER, PER REQUIREMENTS AND SPECIFICATIONS OF THE AGENCY OR DEPARTMENT RESPONSIBLE FOR EACH LOCATION. IF CONCRETE PAVEMENT IS ENCOUNTERED WHILE EXCAVATING CONDUIT TRENCHES, THE CONCRETE REMOVAL WILL BE "NEAT LINE" WITH A PAVEMENT SAW.

IF CONCRETE CURB RETURNS AND/OR SIDEWALKS ARE REPLACED DUE TO CONDUIT OR MANHOLE INSTALLATION, THE CONTRACTOR SHALL PLACE APPROVED HANDICAPPED SIDEWALK AND CURB ACCESS RAMPS IN CONFORMANCE WITH THE APPROPRIATE STATE STATUTES.

ALL MATERIALS NECESSARY FOR THE REPAIR OF STREETS, CURBS, SIDEWALKS, SANITARY SEWERS, STORM SEWERS, AND PUBLIC SERVICE UTILITIES, AND THE INSTALLATION OF SUCH MATERIALS SHALL BE IN CONFORMANCE WITH THE REQUIREMENTS AND SPECIFICATIONS OF THE AGENCY OR DEPARTMENT RESPONSIBLE FOR THE OPERATION AND MAINTENANCE OF THE REPAIRED FACILITY.

ALL WORK SHALL CONFORM TO THE SPECIFICATIONS OF THE JURISDICTIONAL PERMIT AGENCY.

ALL OPEN TRENCH WILL BE CLEARLY MARKED WITH BARRICADES OR CONES. STEEL PLATES OR OTHER TYPES OF BRIDGING SHALL BE PROVIDED TO COVER OPEN TRENCH IN THE TRAVEL PORTION OF THE STREETS. THESE PLATES OR BRIDGING SHALL BE ADEQUATE TO SUPPORT THE NORMAL VEHICLE LOADS ANTICIPATED IN THIS AREA AND SHALL BE IN PLACE DURING ALL NON-WORKING AREAS.

ALL SURFACES TO BE RESTORED TO ORIGINAL CONDITION, AND BACKFILL TO BE COMPACTED AS SPECIFIED. TRENCH EXCAVATION IN SURFACES WHICH INCLUDE CONCRETE TREATED BASE SHALL FOLLOW LOCAL AREA SPECIFICATIONS.

HAZARDOUS MATERIALS

THE CONTRACTOR SHALL NOTIFY THE JURISDICTIONAL PERMIT AGENCY IMMEDIATELY IF ANY MATERIALS ARE ENCOUNTERED THAT ARE CONSIDERED HAZARDOUS BY THE EPA, DEQ, OR OSHA. IF POTENTIALLY HAZARDOUS MATERIALS ARE ENCOUNTERED THE CONTRACTOR SHALL SECURE THE SITE AND PREVENT THE ACCIDENTAL EXPOSURE BY THE PUBLIC OR THE CONTRACTOR'S PERSONNEL.

THE CONTRACTOR MAY EXCAVATE UP TO, BUT SHALL NOT DISTURB KNOWN HAZARDOUS MATERIALS SUCH AS ASBESTOS, OILS, ACID, ETC. THE REMOVAL OF ALL HAZARDOUS MATERIALS MUST BE DONE BY AN APPROVED OR CERTIFIED HAZARDOUS MATERIALS CONTRACTOR LICENSED IN THE APPROPRIATE STATE.

A COPY OF ALL CORRESPONDENCE PERTINENT TO THE REMOVAL OF HAZARDOUS MATERIALS SHALL BE TRANSMITTED TO OWNER AND A COPY SHALL BE AVAILABLE AT THE PROJECT OFFICE AND THE JOB SITE.

AERIAL NOTES

- AERIAL CONSTRUCTION TO BE PERFORMED TO INDUSTRY ACCEPTABLE STANDARDS.
- ALL HEIGHTS OF CABLE PLACEMENT WILL BE RECORDED AT TIME OF CONSTRUCTION. DOCUMENT ALL POINTS OF ATTACHMENT.
- ALL EXTENSION ARMS TO BE PLACED WILL BE EPOXY ARMS UNLESS OTHERWISE NOTED OR APPROVED BY THE INSPECTOR.
- BOND STRAND TO POWER MGN WHERE APPLICABLE. ANCHORS TO BE USED WILL BE 3/4 SCREW IN TYPE.
- ALL STRAPS WILL BE PLACED 4" BEFORE AND AFTER EVERY SUPPORTING CLAMP AT A MINIMUM OF 21" APART.
- P.O.A. = POINT OF ATTACHMENT.
- ADD MISSING GROUNDS.
- REPAIR/REPLACE EXISTING LASHING WIRE IF DAMAGED.

CONSTRUCTION STAKING

IN AREAS WHERE THE CONDUIT ALIGNMENT IS NOT CLEARLY DEFINED BY CURB LINES, FENCE LINES, OR OTHER EVIDENCE OF THE RIGHT-OF-WAY, THE ENGINEER WILL PROVIDE CENTERLINE STAKES OR PAINT MARKS WHERE REQUIRED TO MAKE THE PROPOSED CONDUIT ALIGNMENT EVIDENT.

MANHOLE CENTERS WILL BE FIELD STAKED BY THE ENGINEER WHEN REQUESTED WITH OFFSET STAKES AT RIGHT ANGLES (90°) TO THE CONDUIT ALIGNMENT.

CLOSURES IDENTIFIED IN THE PLANS SHALL BE LOCATED BY THE CONTRACTOR. DEVIATION FROM PLAN LAYOUT SHALL BE APPROVED BY THE ENGINEER PRIOR TO CONDUIT AND/OR CLOSURE INSTALLATION.

IF ADDITIONAL, FIELD STAKING OR LOCATION OF CONDUITS, MANHOLES, PROPERTY LINES, ETC., BECOMES NECESSARY, THE CONTRACTOR IS TO NOTIFY THE INSPECTOR OR THE ENGINEER TWO WORKING DAYS PRIOR TO BEGINNING THE WORK.

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EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND BASED ON AVAILABLE RECORDS AND FIELD OBSERVATIONS. CONTRACTOR IS RESPONSIBLE FOR CALLING 811 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES AND ANY DAMAGE TO THE UTILITIES SHALL BE IMMEDIATELY REPAIRED AT THE CONTRACTOR'S EXPENSE.

REVISION DATA

NO.	DESCRIPTION	BY	DATE
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SHEET TITLE:	GENERAL NOTES
PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_007_FDH_002
DESCRIPTION:	BALD EAGLE CANAL
DRAWING NAME:	LE1_007_FDH_002 - LEHIGH ACRES_LEE COUNTY_FLORIDA - BALD EAGLE CANAL
SHEET:	4 OF 12

PERMITS - FRANCHISES - EASEMENTS

PHYSICAL WORK SHALL NOT BE STARTED UNTIL THE GOVERNING AGENCY INSPECTOR AND THE CONTRACTOR ARE IN POSSESSION OF AND HAVE CAREFULLY REVIEWED AND FULLY UNDERSTAND ALL CONDITIONS AND SPECIFICATIONS SET FORTH IN THE REQUIRED PERMITS, FRANCHISES, AND/OR EASEMENTS.

PLACING FOREMAN TO HAVE A COPY OF THE PERMITS/EASEMENTS ON SITE AT ALL TIMES.

ANY CONFLICT BETWEEN WORK PRINT SPECIFICATIONS AND SPECIFICATIONS SET FORTH UNDER RELATED PERMITS, FRANCHISES, AND/OR EASEMENTS MUST BE CLEARED BY PROPER COMPANY AUTHORITY BEFORE PROGRESSING WITH WORK INVOLVED

TRAFFIC CONTROL

THIS PROJECT WILL INVOLVE WORKING ALONG A MAJOR ARTERIAL ROAD AND HEAVY TRAFFIC VOLUME SHOULD BE ANTICIPATED.

UNIFORM TRAFFIC FLOW SHALL BE MAINTAINED AT ALL TIMES. ONLY EQUIPMENT AND MATERIALS NECESSARY FOR IMMEDIATELY SCHEDULED OR IN PROGRESS WORK WILL BE MAINTAINED IN THE WORK AREA. ALL OTHER EQUIPMENT AND MATERIALS WILL BE "STORED OR STOCKPILED" IN SUCH A MANNER AS TO ELIMINATE HAZARDOUS CONDITIONS FOR TRAFFIC OR PEDESTRIANS DURING NON-WORKING OR SHUT DOWN PERIODS.

TRAFFIC WARNING DEVICES AND SIGNS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (U.S. GOVERNMENT PRINTING OFFICE) AND TO THE STATE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION. HIGH LEVEL WARNING TYPE DEVICES ARE TO BE USED AT ALL TIMES AND SPECIAL WARNING DEVICES MAY BE STIPULATED BY THE JURISDICTIONAL PERMIT AGENCY AT ANY TIME THE USE WILL ADD TO THE SAFETY AND PROTECTION OF TRAFFIC OR PEDESTRIANS IN THE CONSTRUCTION AREA.

ALL CONDUIT TRENCHING IN PAVED AREAS SHALL BE BACKFILLED WITH CRUSHED GRAVEL OR COMPLETELY COVERED AT THE COMPLETION OF EACH WORKING DAY. ANY BACKFILLED TRENCH SHALL BE CAPPED WITH A MINIMUM LAYER OF ASPHALTIC CONCRETE COLD PATCH AT THE END OF EACH WORKING DAY.

THE CONTRACTOR SHALL MARK THE CONDUIT TRENCH AND DEFINE HIS CONSTRUCTION AREA CLEARLY WITH BARRICADES, CONES, AND/OR OTHER VISIBLE METHODS THAT ALERT THE PUBLIC OF THE CONSTRUCTION ACTIVITY.

A TRAFFIC CONTROL PLAN SHALL BE PREPARED BY THE CONTRACTOR AS REQUIRED AND SUBMITTED TO EACH PERMITTING AGENCY REQUESTING SUCH PLAN FOR REVIEW AND APPROVAL OR REVISION PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITY FOR THIS PROJECT. THE APPROVED PLAN SHALL BE SUBMITTED TO THE AGENCY AND A COPY OF THE PLAN SHALL BE KEPT AT THE CONSTRUCTION SITE AND MUST BE READILY AVAILABLE REVIEW BY THE AGENCY REPRESENTATIVES.

SPECIAL UTILITY CLEARANCES

ALL WORK CONDUCTED ADJACENT TO WATER MAINS SHALL CONFORM TO THE FOLLOWING CONDITIONS:

A. WHEREVER POSSIBLE CONDUIT SHALL MAINTAIN A HORIZONTAL SEPARATION OF 3.0 FEET, MEASURED SURFACE TO SURFACE (OUTSIDE EDGE TO OUTSIDE EDGE), FROM PARALLEL WATER MAINS.

B. WHEREVER POSSIBLE, CONDUIT SHALL PASS UNDER EXISTING WATER MAINS AND MUST MAINTAIN 24" VERTICAL CLEAR SEPARATION. CONDUITS PASSING OVER WATER MAINS MUST ALSO MAINTAIN THE 24" VERTICAL SEPARATION.

C. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING THIS REQUIRED VERTICAL SEPARATION BY EITHER EXPOSING THE WATER MAIN EVERY 100 FEET IN THOSE AREAS WHERE HORIZONTAL SEPARATION IS LESS THAN 3.0 FEET OR BY UTILIZING THE DEPTHS OF ADJACENT WATER VALVES. IF THE CONTRACTOR UTILIZES THE ADJACENT WATER TO DETERMINE WATER MAIN DEPTH, HE SHALL CONTACT THE AGENCY AT EACH SUCH LOCATION AND THE AGENCY WILL DETERMINE THE NECESSARY DEPTH OF THE TOP OF THE CONDUIT AT THAT POINT.

D. THE VERTICAL AND HORIZONTAL SEPARATION SHALL BE MAINTAINED AT ALL TIMES UNLESS SPECIFICALLY REVISED BY AGREEMENT BETWEEN THE JURISDICTIONAL PERMIT AGENCY AND THE AGENCY ANY SPECIFIC DEVIATION IN VERTICAL AND HORIZONTAL SEPARATION FROM THOSE DESCRIBED SHALL BE REPORTED TO THE OWNER BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING VERTICAL AND HORIZONTAL SEPARATION AT ALL TIMES AND SHALL BE RESPONSIBLE FOR ANY AND ALL ENCROACHMENTS.

E. CLEARANCES TO STORM SEWERS AND SANITARY SEWERS SHALL BE EXACTLY THE SAME AS THOSE TO WATER MAINS.

STRUCTURE PROTECTION

MANHOLES AND CONDUIT TO BE PLACED ADJACENT TO EXISTING STRUCTURES SUCH AS BRIDGE BRIDGE FOOTINGS/PIERS, BUILDING FOUNDATIONS, WALLS, POWER AND TELEPHONE POLES, AND OTHER UTILITIES SHALL MAINTAIN A MINIMUM CLEARANCE AS SHOWN. THE CONTRACTOR SHALL NOT UNDERMINE ANY ADJACENT STRUCTURE WITHOUT SPECIFIC WRITTEN PERMISSION FROM THE OWNER/OPERATOR OF SUCH STRUCTURE.

SHORING USED AS FOUNDATION SUPPORT SHALL BE DESIGNED SPECIFICALLY FOR BOTH THE LIVE AND DEAD LOADS OF THE STRUCTURE, OR IF ONLY THE DEAD LOAD IS USED FOR DESIGN, THE CONTRACTOR SHALL PROVIDE A DETAILED LAYOUT AND PLAN OF THE METHOD OF ESTABLISHING AND MAINTAINING THE DESIGN LOAD CONDITIONS (I.E., ROAD DETOURS, TIEBACKS, ETC.).

SEE UTILITY CLEARANCE SECTION NOTES FOR CLEARANCE CRITERIA TO PARALLEL OR CROSS UTILITIES.

EXISTING UTILITIES EXPOSED DURING EXCAVATION SHALL BE 100% SUPPORTED BY EITHER TRENCH BRIDGING AND SUSPENSION OR BY THE USE OF LONGITUDINAL TRAYS OR PLATFORMS VERTICALLY SUPPORTED BY ADJUSTABLE BUILDING JACKS.

EXISTING SPLICE CASES AND CABLES SHALL BE SUPPORTED BY SUSPENSION FROM A CROSSING BEAM. SUPPORTS SHALL BE PLACED AT A MAXIMUM SPACING OF 4.0 FEET AND SHALL CONSIST OF A CANVAS SLING WITH NYLON BELTING OR ROPE. ALL CABLE SUPPORTS SHALL BE PLACED IN A MANNER THAN PREVENTS KINKS OR OTHER DAMAGE TO THE CABLE SHEATH.

AN ACCEPTABLE ALTERNATIVE TO CABLE SLINGS WOULD BE THE UTILIZATION OF A WIDE FLANGE "I" BEAM OR CHANNEL AS A "CABLE TRAY" WITH THE CABLES/CASES BANDED IN PLACE.

SHORING

THE CONTRACTOR SHALL PROVIDE SHORING FOR CONDUIT TRENCH EXCAVATION 42" OR MORE IN DEPTH AS MEASURED FROM THE HIGH SIDE OF THE TRENCH AND FOR ALL MANHOLE EXCAVATION.

MANHOLE SHORING SHALL BE TIGHT-SHEETED.

ALL SHORING SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF LOCAL COUNTY AND THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA).

SHORING SHALL BE DESIGNED TO MEET H-20 HIGHWAY LOADING.

THE CONTRACTOR SHALL PROVIDE ALL SHORING AND DESIGN CALCULATIONS TO THE PERMIT ISSUING AGENCY PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITY.

UTILITY NOTE:

EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND BASED ON AVAILABLE RECORDS, VERBAL INFORMATION AND/OR PHYSICAL FEATURES. PRIOR TO CONSTRUCTION (AT LEAST 72 HOURS OR THE MORE RESTRICTIVE MINIMUM NOTIFICATION PERIOD), THE CONTRACTOR SHALL CONTACT SUNSHINE 811 TO ALLOW MARKING OF EXISTING BURIED UTILITIES WITHIN THE SCOPE OF THE PROPOSED WORKZONE.

SOFT DIGS &/OR POTHOLING SHALL BE REQUIRED BY CONTRACTOR TO IDENTIFY EXISTING UTILITY DEPTHS.

MINIMUM 24" SEPARATION SHALL BE MAINTAINED FROM ALL EXISTING UTILITIES UNLESS SUPERVISED.

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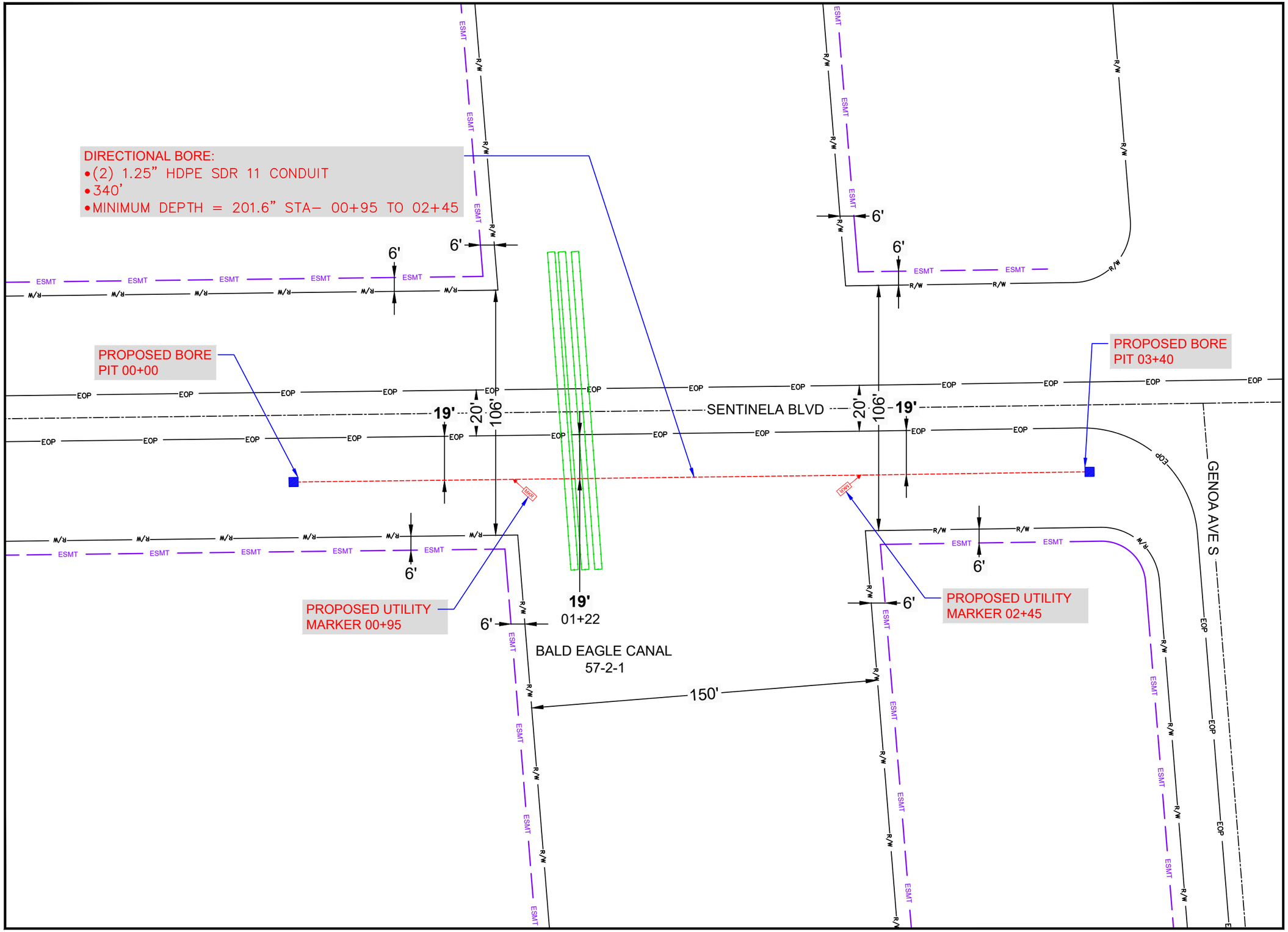
SHEET TITLE:
GENERAL NOTES

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_007_FDH_002
DESCRIPTION:	BALD EAGLE CANAL
DRAWING NAME:	LE1_007_FDH_002 - LEHIGH ACRES_LEE COUNTY_FLORIDA - BALD EAGLE CANAL
SHEET:	5 OF 12



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0 10' 20' 30' 40'
SCALE: 1"=40'

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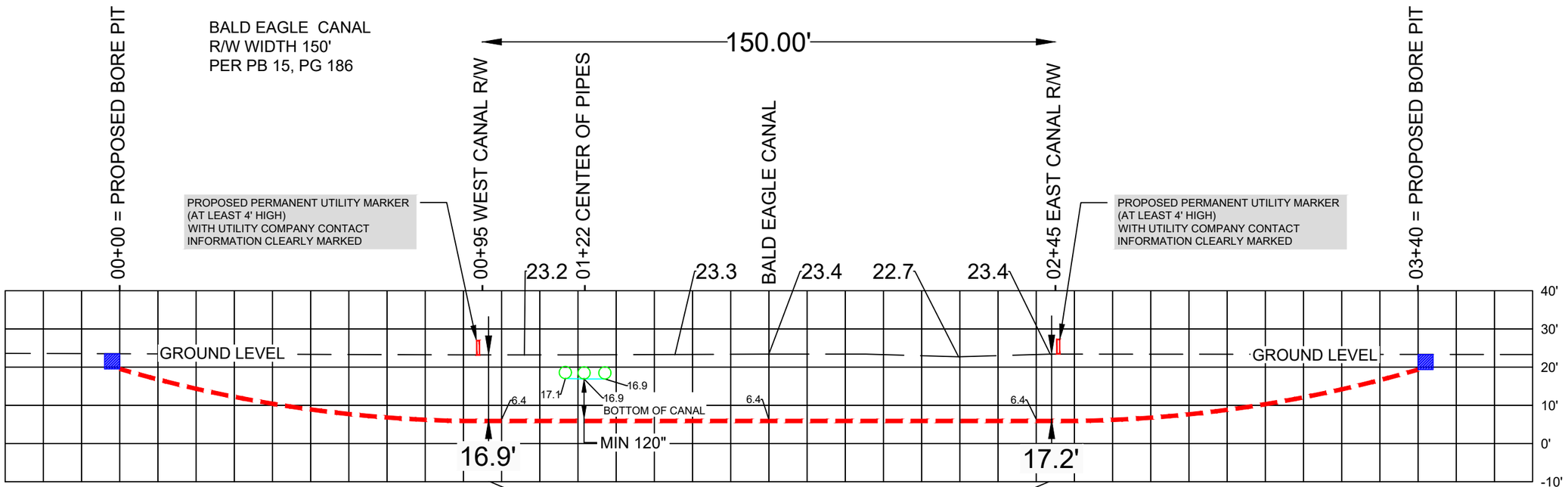
SHEET TITLE:
PROJECT SHEET

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_007_FDH_002
DESCRIPTION:	BALD EAGLE CANAL
DRAWING NAME:	LE1_007_FDH_002 - LEHIGH ACRES_LEE COUNTY_FLORIDA - BALD EAGLE CANAL
SHEET:	6 OF 12

SUB-GRADE VERTICAL PROFILE VIEW
SENTINELA BLVD
LOOKING NORTH



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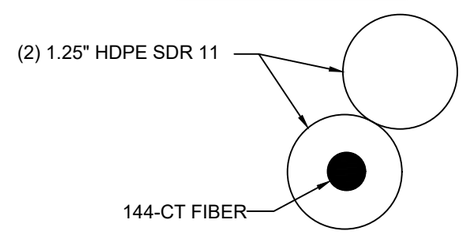
PIPE DETAIL



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0 10' 20' 30'
SCALE: 1"=30'

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SHEET TITLE:
PROFILE VIEW

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
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DESCRIPTION:	BALD EAGLE CANAL
DRAWING NAME:	LE1_007_FDH_002 - LEHIGH ACRES_LEE COUNTY_FLORIDA - BALD EAGLE CANAL
SHEET:	7 OF 12



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SHEET TITLE: IMAGES

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DESCRIPTION:	BALD EAGLE CANAL
DRAWING NAME:	LE1_007_FDH_002 - LEHIGH ACRES_LEE COUNTY_FLORIDA - BALD EAGLE CANAL

STREET LEVEL VIEW
STA 02+45
FACING WEST



05/20/2026 11:33AM
26.598458, -81.581403
118 GENOA AVE S
LEHIGH ACRES, FL 33974

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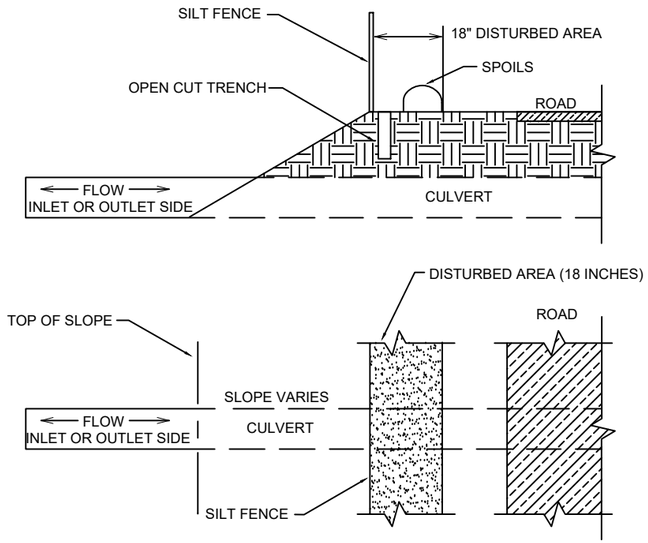
SHEET TITLE:	IMAGES
PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_007_FDH_002
DESCRIPTION:	BALD EAGLE CANAL
DRAWING NAME:	LE1_007_FDH_002 - LEHIGH ACRES_LEE COUNTY_FLORIDA - BALD EAGLE CANAL
SHEET:	9 OF 12

TYPICALS

CULVERT CUT OVER ON ROADSIDE SHOULDER

NOT TO SCALE



GENERAL NOTES

1. INSTALL SILT FENCE TO PROTECT DOWNSTREAM AREAS FROM SEDIMENTATION PRIOR TO CONSTRUCTION.
2. INSTALL SILT FENCE AS NEEDED TO PROTECT DRAINAGE FEATURES, BUT NO LESS THAN 10' ON EITHER SIDE OF CULVERT.

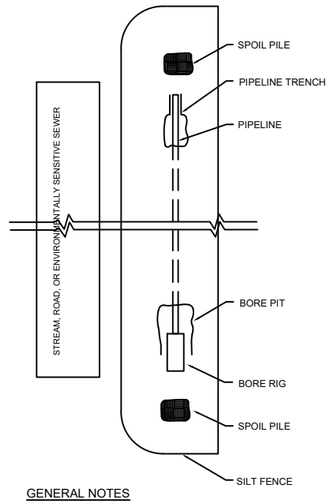
MAINTENANCE NOTES

INSPECT CULVERT CROSSING STRUCTURES WEEKLY AND AFTER EACH SIGNIFICANT RAINFALL EVENT (0.5" OR GREATER) TO SEE IF ANY EROSION AROUND OR BELOW THE SILT FENCE HAS OCCURRED, IMMEDIATELY MAKE ALL NEEDED REPAIRS TO PREVENT FURTHER DAMAGE.

*REF: 6.41.5 NC Erosion and Sediment Control Planning and Design Manual, 2006

DIRECTIONAL BORE DETAIL (PARALLEL)

NOT TO SCALE

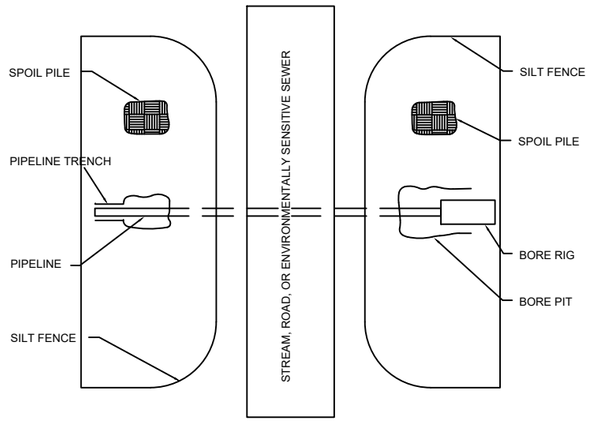


GENERAL NOTES

1. BORE PITS AND SPOILS PILES SHALL BE ENCLOSED ON THREE SIDES AS SHOWN WITH SILT FENCE

DIRECTIONAL BORE DETAIL (TRAVERSE)

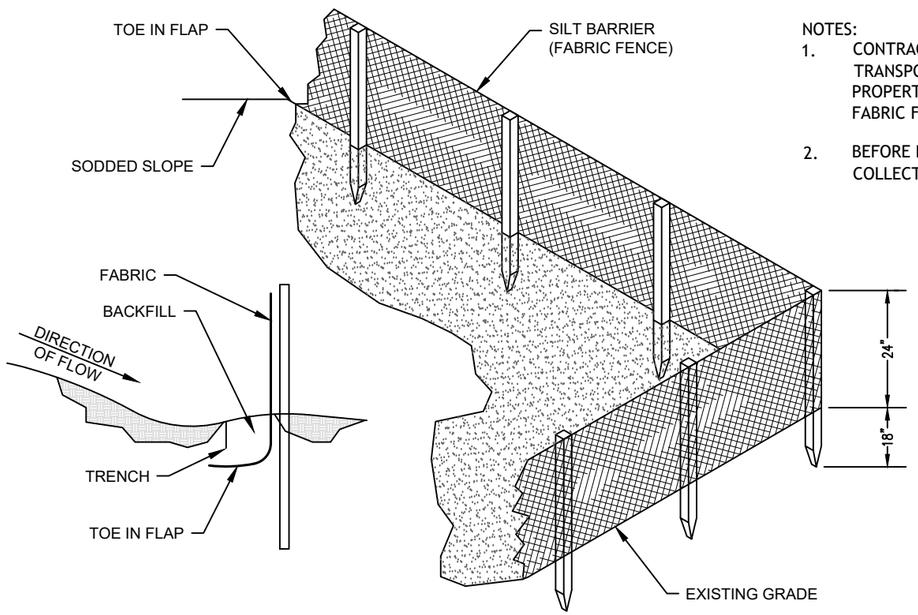
NOT TO SCALE



GENERAL NOTES

1. BORE PITS AND SPOILS PILES SHALL BE ENCLOSED ON THREE SIDES AS SHOWN WITH SILT FENCE

FABRIC FENCE SILT - BARRIER



NOTES:

1. CONTRACTOR IS REQUIRED TO PREVENT ANY SEDIMENT TRANSPORT FROM THE PROJECT SITE ON TO ADJACENT PROPERTY. INSTALLATION OF EITHER BALED HAY OR FABRIC FENCE TYPE SILT BARRIER IS ACCEPTABLE.
2. BEFORE REMOVING SILT BARRIER, CONTRACTOR SHALL COLLECT AND DISPOSE OF ANY ACCUMULATED SILT.

PERMITTING AGENCY

LA - MSID

lumos

BLAIR CONSULTING SERVICES, Inc.

1428 SUNBLUSH LN
LAS VEGAS, NV 89117

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REVISION DATA

NO.	DESCRIPTION	BY	DATE
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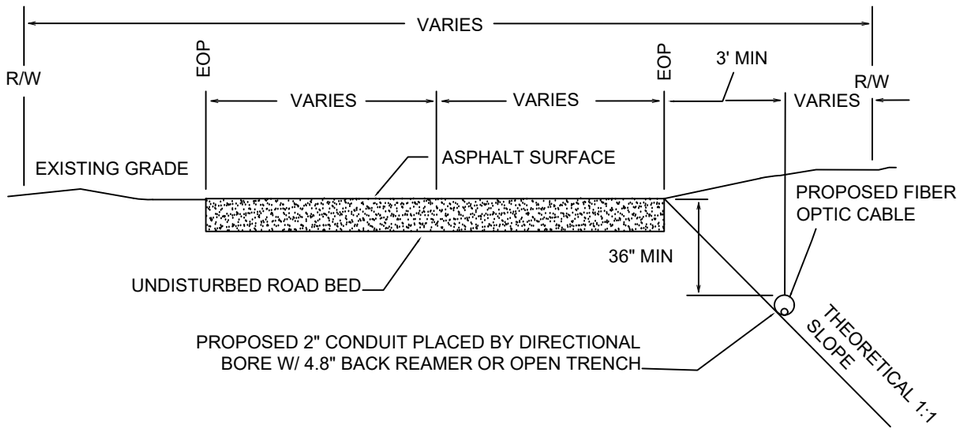
SHEET TITLE: TYPICALS

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_007_FDH_002
DESCRIPTION:	BALD EAGLE CANAL
DRAWING NAME:	LE1_007_FDH_002 - LEHIGH ACRES_LEE COUNTY_FLORIDA - BALD EAGLE CANAL
SHEET:	10 OF 12

TYPICALS

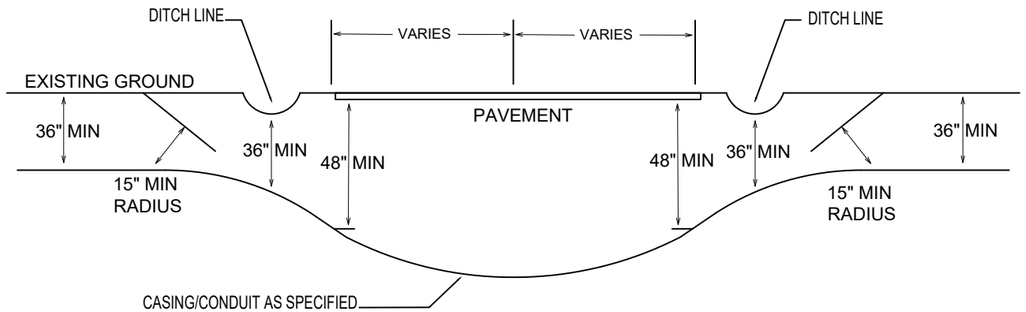
PARALLEL CONDUIT DETAIL FOR FDOT RIGHT-OF-WAY

NOT TO SCALE



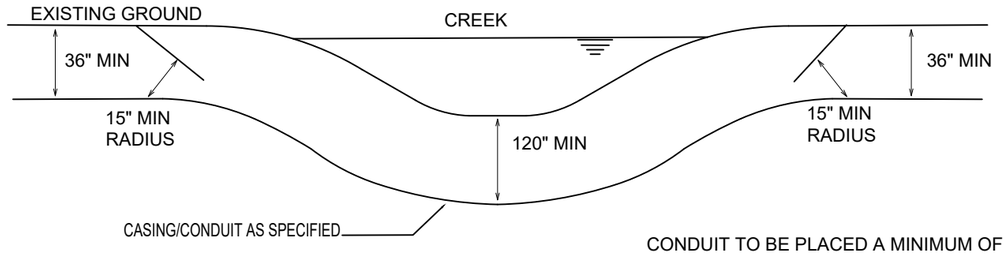
DIRECTIONAL BORE UNDER SECONDARY ROADWAY

NOT TO SCALE



DIRECTIONAL BORE UNDER CREEK BED

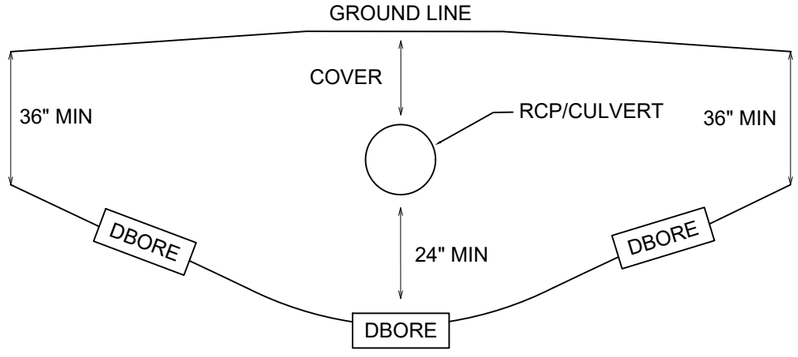
NOT TO SCALE



CONDUIT TO BE PLACED A MINIMUM OF 10 FEET BELOW CREEK BED

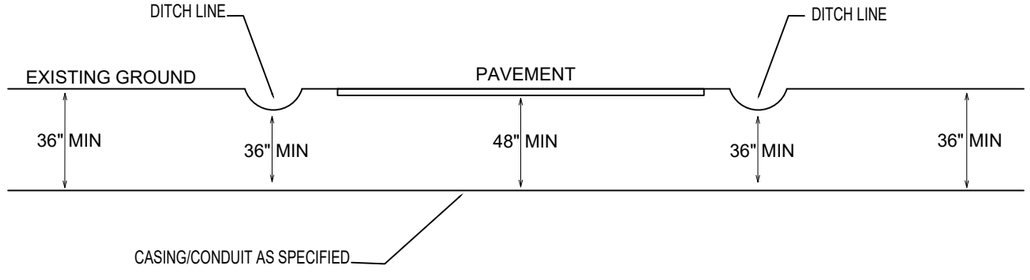
CULVERT CROSSING DETAIL

NOT TO SCALE



DRY BORE UNDER ROADWAY

NOT TO SCALE



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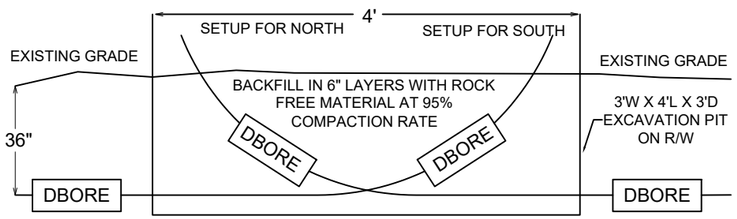
DRAWING NAME:	LE1_007_FDH_002 - LEHIGH ACRES_LEE COUNTY_FLORIDA - BALD EAGLE CANAL
SHEET:	11 OF 12

TYPICALS

DIRECTIONAL BORE TIE-IN DETAIL

NOT TO SCALE

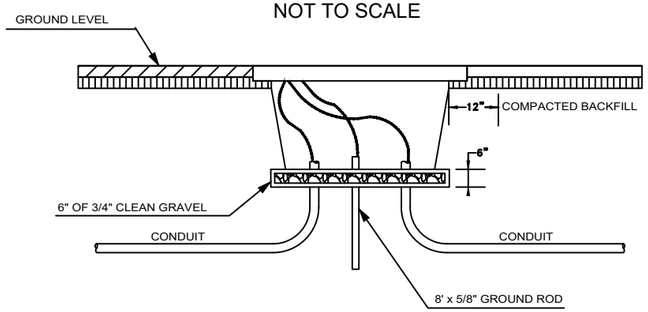


TIE-IN STATION

- BORE FROM EACH DIRECTION IS RUN AT DESIGN DEPTH TO 2 FEET PAST THE INTENDED TIE-IN. THEN TURNED UP TO DAYLIGHT.
- THE TIE-IN POINT IS EXCAVATED. THE CONDUITS CUT OFF WHERE THEY CROSS EACH OTHER AT DESIGN DEPTH, AND A COUPLER IS INSTALLED TO CONNECT THE TWO CONDUITS AT THE DESIGN DEPTH.
- ALL EXCAVATIONS OR TRENCHES 4 FEET OR GREATER IN DEPTH SHALL BE APPROPRIATELY BENCHED, SHORED, OR SLOPED IN OSHA'S EXCAVATION STANDARD, 29 CFR 1926.650, .651, AND .652

PULL BOX HANDHOLE

NOT TO SCALE



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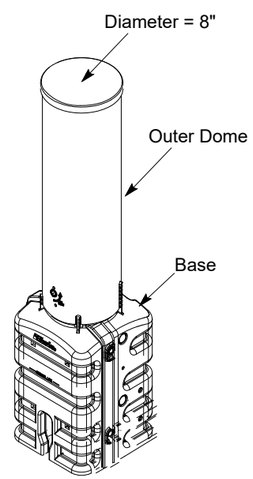
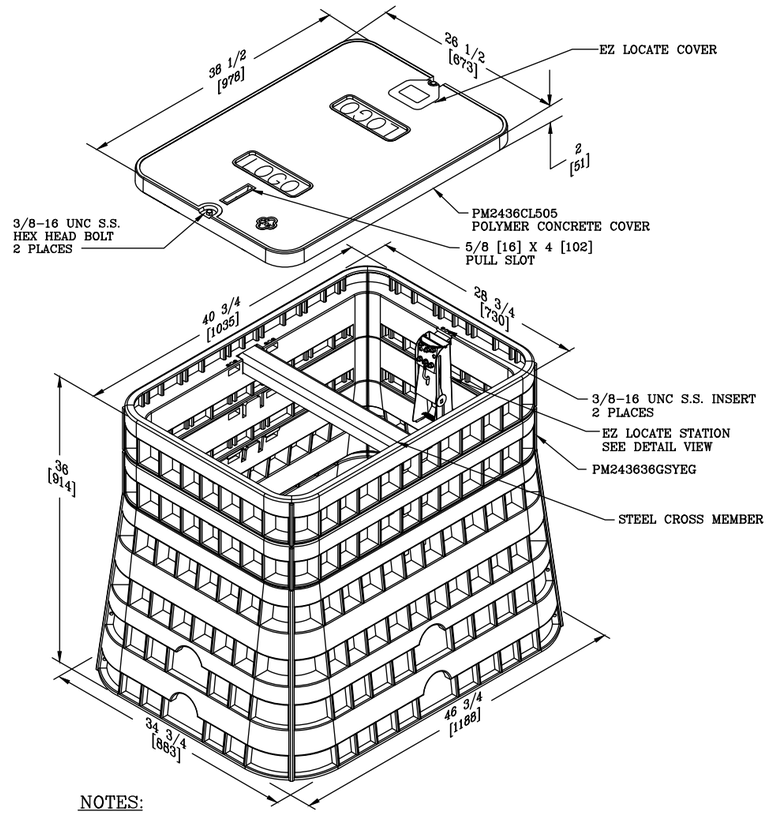
BDO204-EG

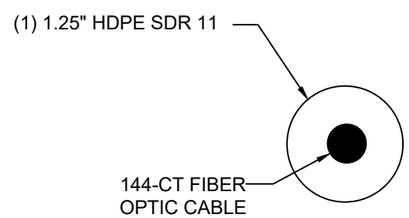




NOTES:

1. BOX MATERIAL TO BE HDPE PLASTIC, COVER MATERIAL TO BE POLYMER CONCRETE.
2. COLOR TO BE GREY.
3. THIS ASSEMBLY HAS A LOAD RATING OF 20,000 LBS. [88,960 N].

PIPE DETAIL



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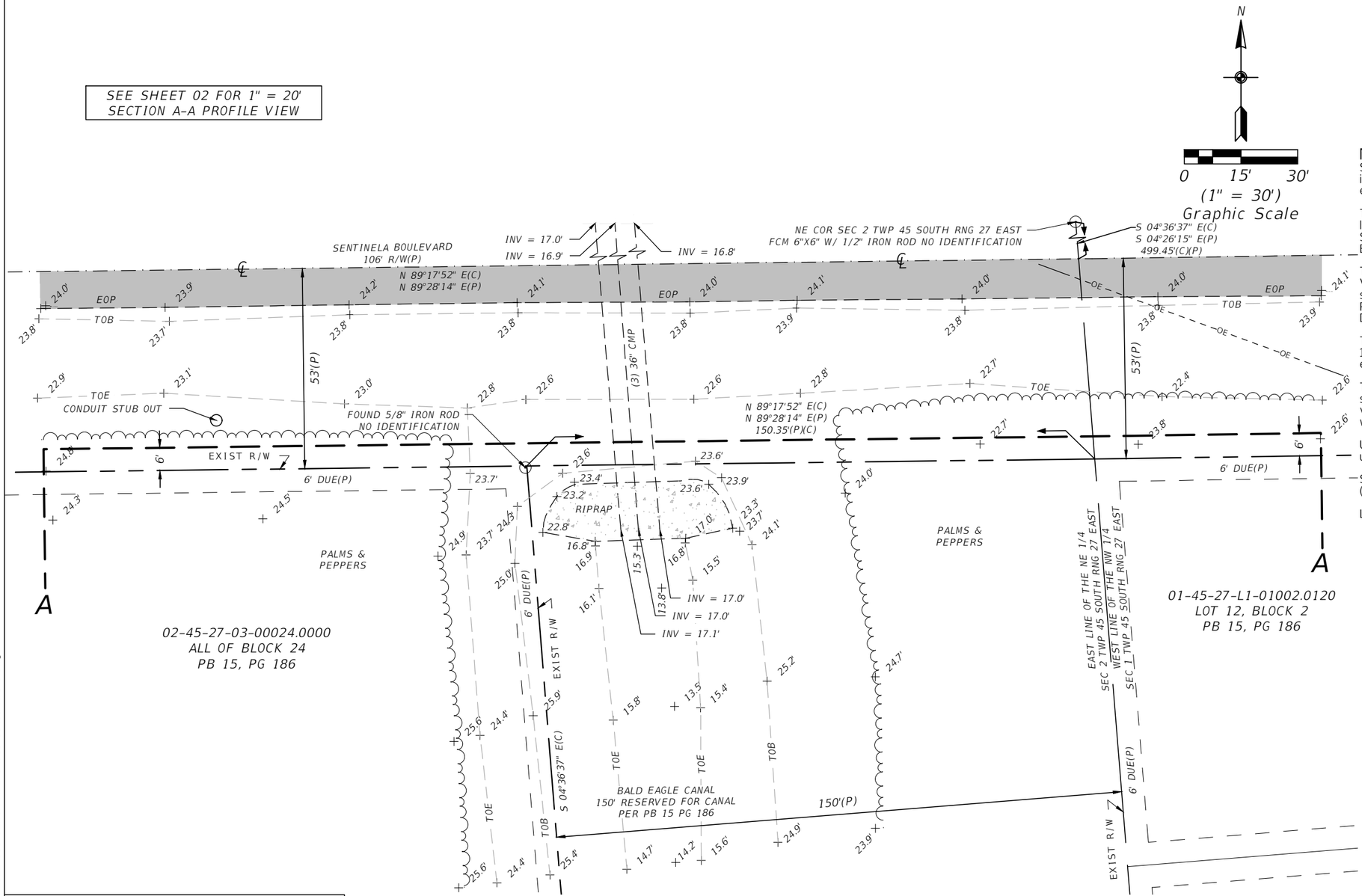
SHEET:	12 OF 12

Topographic Survey of a Subject Project Site

lying within

Section 1 & 2, Township 45 South, Range 27 East
Lehigh Acres, Lee County, Florida



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Subject to easements, restrictions, reservations, and rights-of-way (recorded and unrecorded, written and unwritten).

Last day of field work: 12/09/2025

TAYLOR J. HENNINGE
License Number
7279
STATE OF FLORIDA
Professional Surveyor and Mapper

Taylor Henninge 2026.04.15 13:16:29-04'00'

TAYLOR J. HENNINGE
PROFESSIONAL SURVEYOR AND MAPPER
FLORIDA CERTIFICATE NO. LS# 7279

Not valid without the signature and the original seal of a Florida licensed surveyor and mapper.

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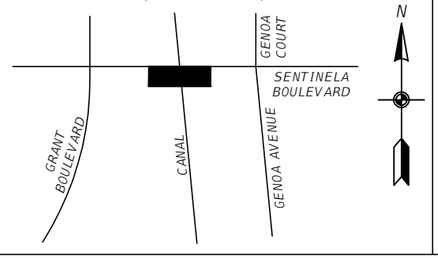
This survey has been electronically signed and sealed by Taylor J. Henninge using a digital signature and date. Print copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Location sketch
(Not to scale)



LEGEND:

(C)	= CALCULATED	INV	= INVERT ELEVATION
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= VALVE
= WATER METER

Genoa Avenue, Lehigh Acres

TOPOGRAPHIC SURVEY-PLAN VIEW

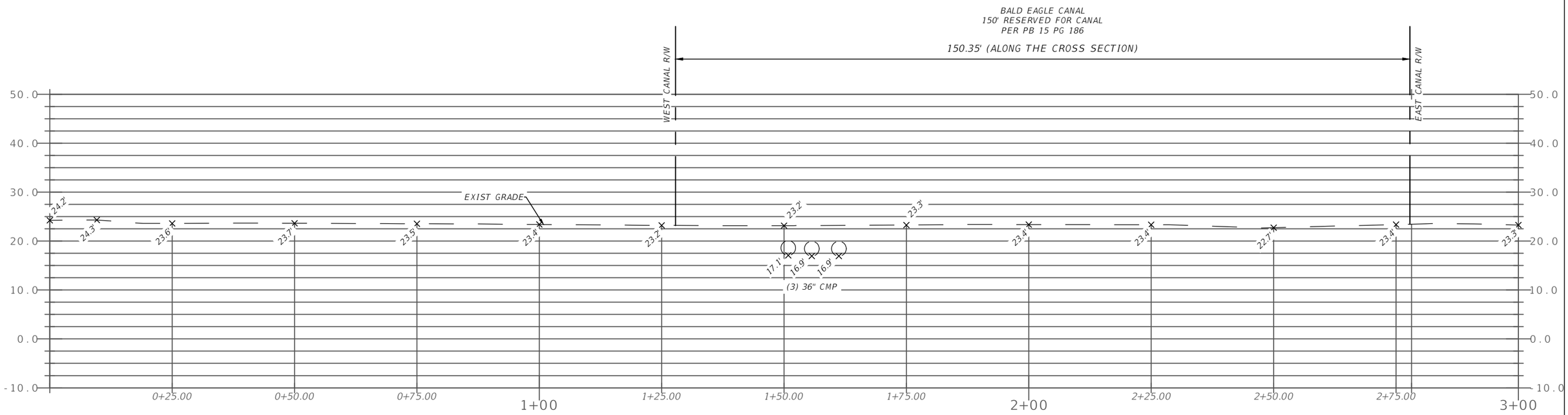
McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name:	Field book/page:	Project No.:
118 Genoa Ave S.dwg	106981-3/14	106980001-L022

Survey date:	Drawn by:	Checked by:	Sheet No.:
12/09/2025	BWL	TJH	01 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L022-118 GENOA AVE S\118 Genoa Ave S.dwg

Topographic Survey of a
Subject Project Site
Section 1 & 2, Township 45 South, Range 27 East
Lehigh Acres, Lee County, Florida



A-A Profile View
1" = 20' HORIZONTAL
1" = 20' VERTICAL

SEE SHEET 01 FOR LEGEND

Genoa Avenue, Lehigh Acres

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5701 Division Drive, Suite A
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I:\10698\0001\Geomatics\90-WORK ORDERS\L022-118 GENOA AVE S\118 Genoa Ave S.dwg

NOTE:

1. This Index applies to Two-Lane, Two-Way and Multilane Roadways, including Medians of divided roadways, with work on the shoulder.

2. L = Taper Length
   X = Work Zone Sign Spacing
   B = Buffer Length
   See Index 102-600 for "L", "X", "B", and channelizing device spacing values.

3. Where work activities are between 2' and 15' from the edge of traveled way, the Engineer may omit signs and channelizing devices for work operations 60 minutes or less.

4. When four or more work vehicles enter the through traffic lanes in a one hour period (excluding establishing and terminating the work area), use a flagger or lane closure to accommodate work vehicle ingress and egress.

5. For work less than 2' from the traveled way and work zone speed is greater than 45 MPH, use a lane closure.

6. The "Speeding Fines Doubled When Workers Present" signs (M0T-13-06) and "End Road Work" Signs (G20-2) along with the associated work zone sign spacing distances may be omitted when the work operation is in place for 24 hours or less.

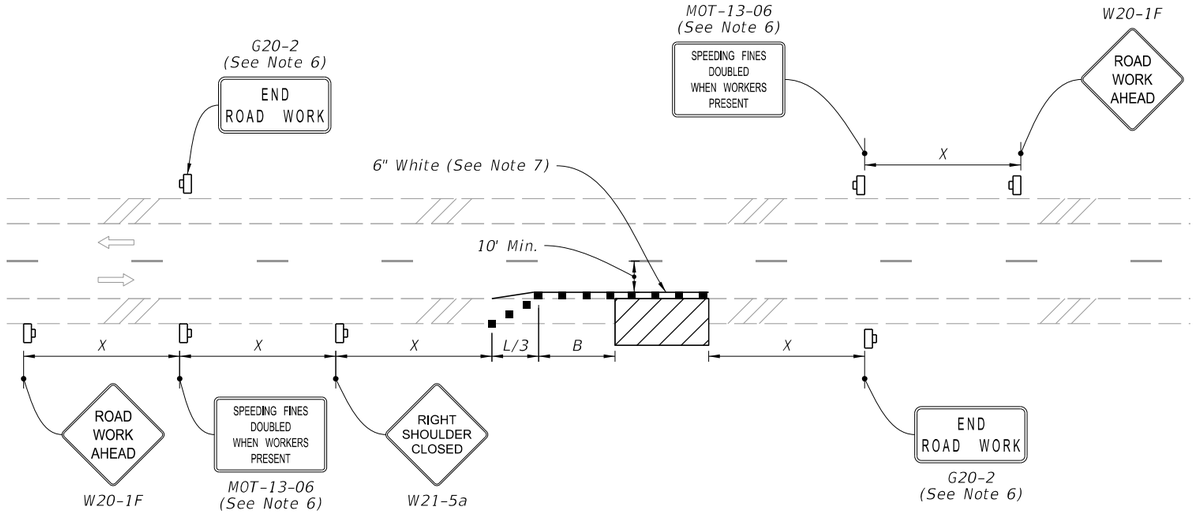
7. Temporary pavement markings may be omitted when the work operation is in place for 3 days or less.

8. Omit "Shoulder Closed" signs (W21-5a) along with associated work zone sign spacing distances for work on the median.

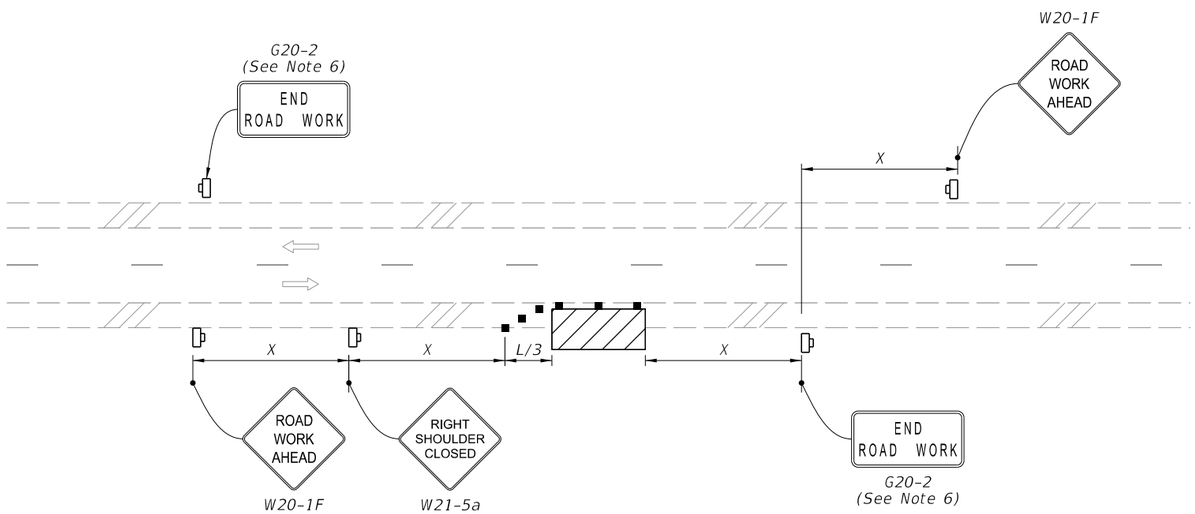
9. When there is no paved shoulder, the "Worker" sign (W21-1) may be used instead of the "Shoulder Closed" sign (W21-5a).

SYMBOLS:

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Lane Identification and Direction of Traffic



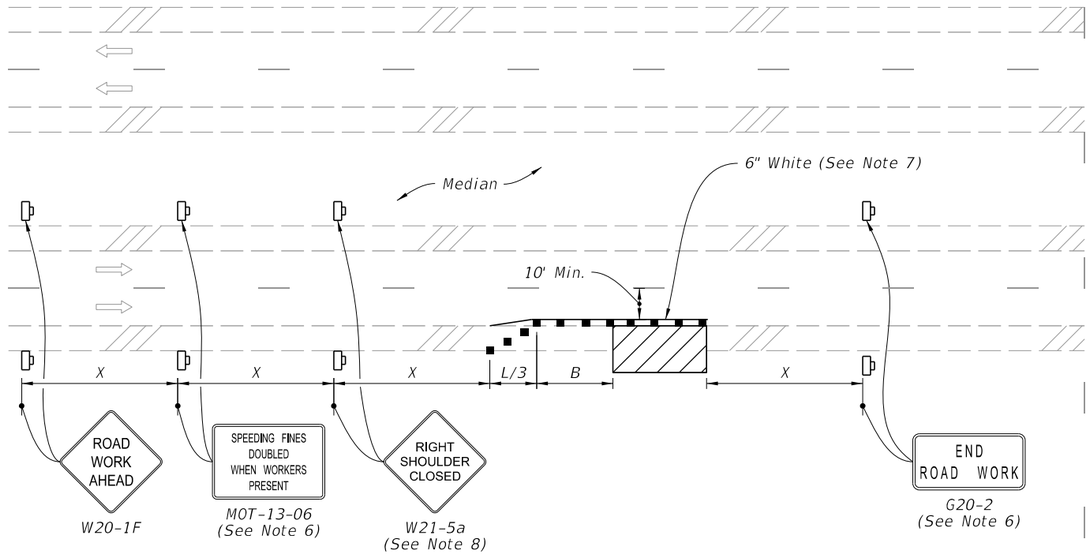
TWO-LANE ROADWAY
SHOULDER WORK LESS THAN 2' FROM THE TRAVELED WAY
WITH WORK ZONE SPEED OF 45 MPH OR LESS



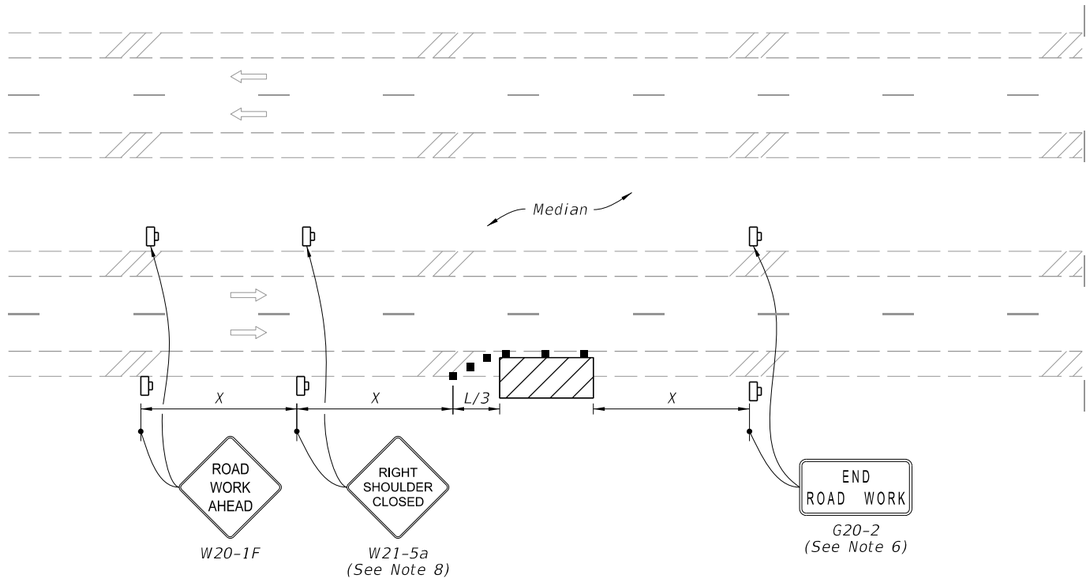
TWO-LANE ROADWAY
SHOULDER WORK BETWEEN 2' AND 15' FROM THE TRAVELED WAY

9/10/2024 10:45:37 AM

LAST REVISION	REVISION	DESCRIPTION:			INDEX	SHEET
11/01/21			FY 2025-26 STANDARD PLANS	TWO-LANE AND MULTILANE, WORK ON SHOULDER	102-602	1 of 2



MULTILANE ROADWAY
SHOULDER WORK LESS THAN 2' FROM THE TRAVELED WAY
WITH WORK ZONE SPEED OF 45 MPH OR LESS



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MULTILANE ROADWAY
SHOULDER WORK BETWEEN 2' AND 15' FROM THE TRAVELED WAY

9/10/2024 10:45:44 AM

LAST REVISION	REVISION	DESCRIPTION:				
11/01/20			FDOT FY 2025-26 STANDARD PLANS	TWO-LANE AND MULTILANE, WORK ON SHOULDER	INDEX 102-602	SHEET 2 of 2

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lying within

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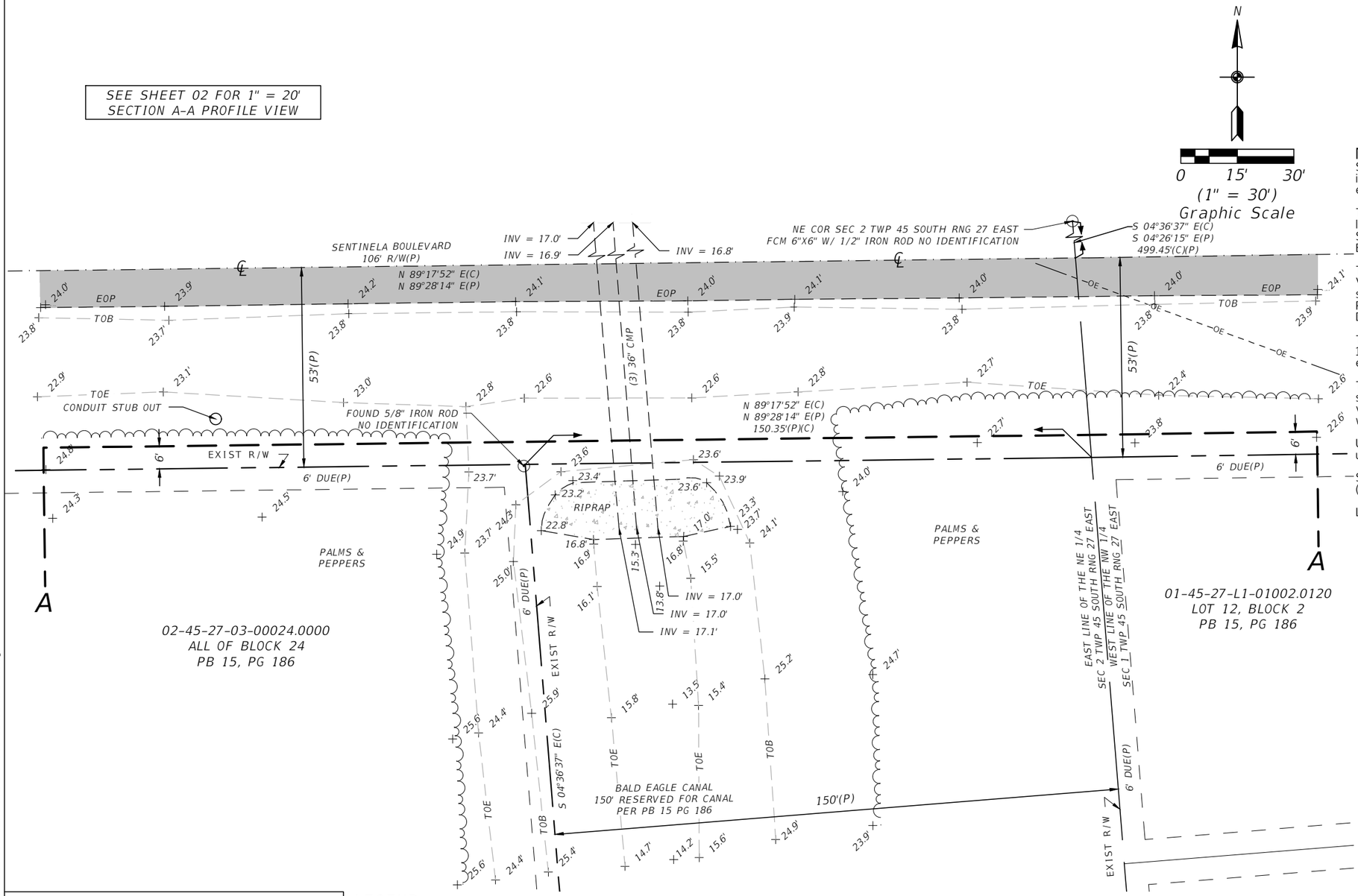

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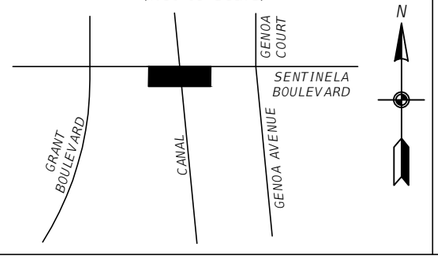

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12/09/2025	BWL	TJH	01 OF 02

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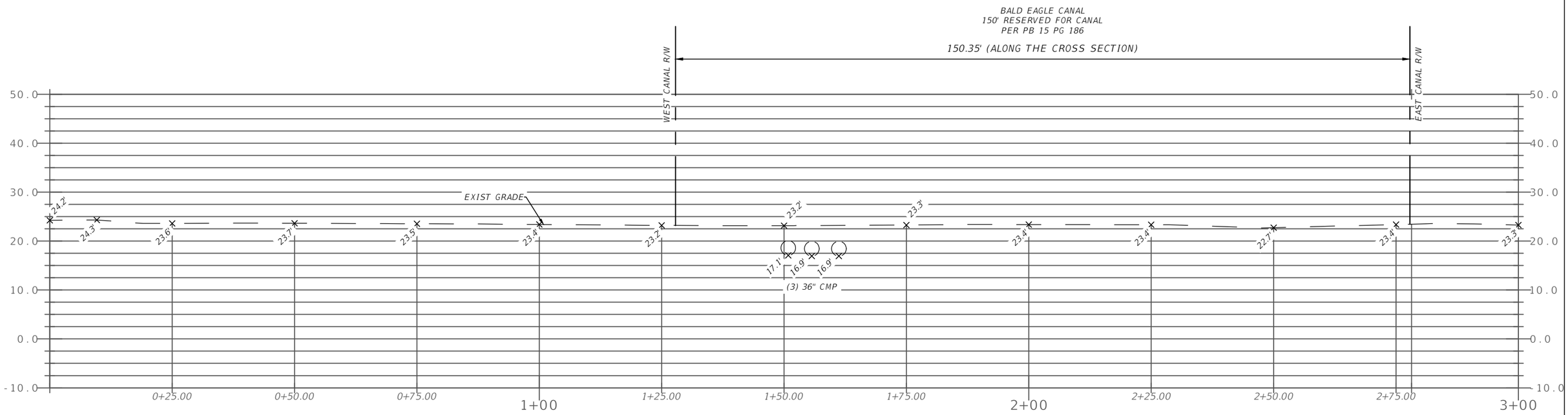

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SEE SHEET 01 FOR LEGEND

Genoa Avenue, Lehigh Acres

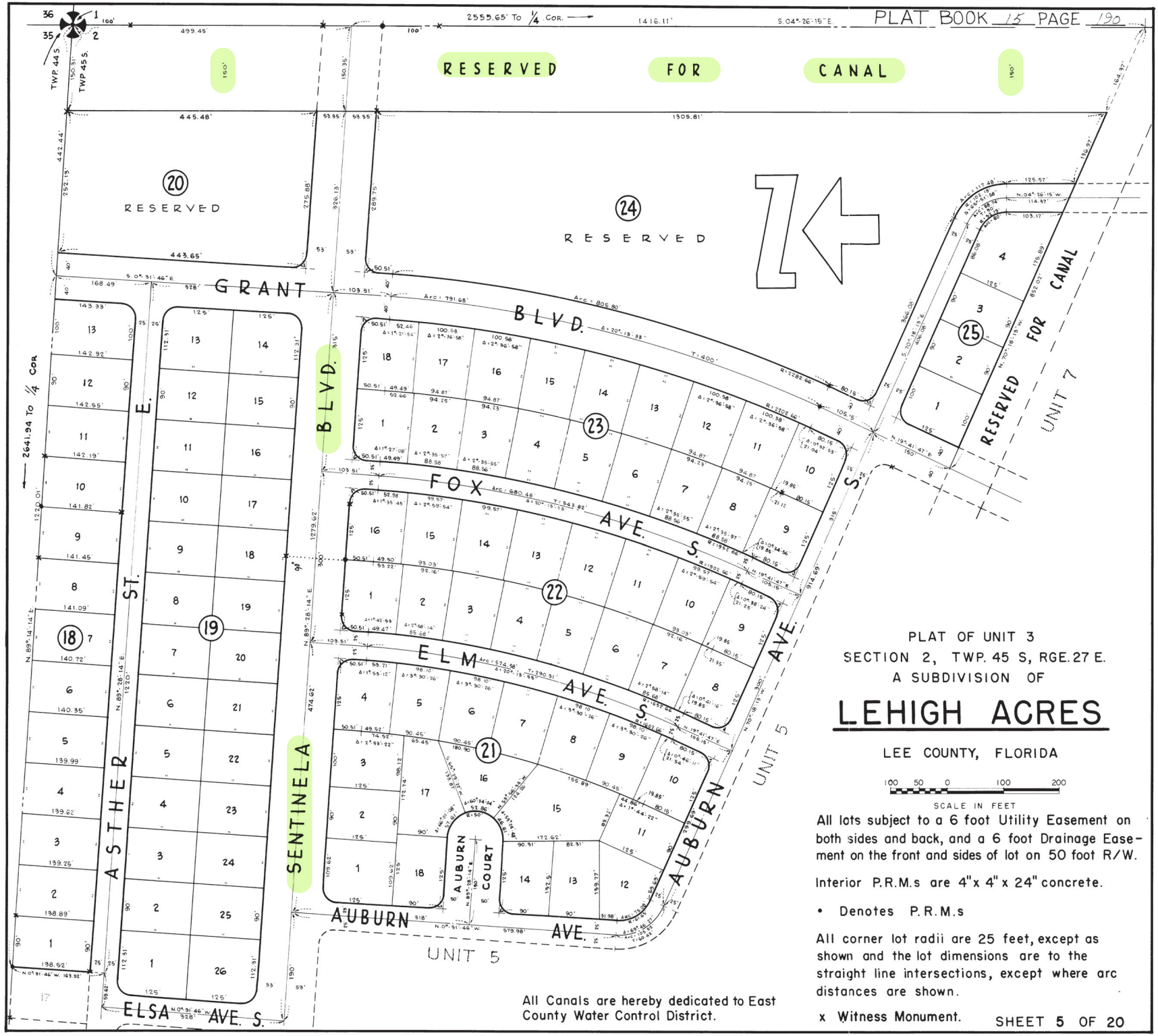
TOPOGRAPHIC SURVEY-PROFILE VIEW

McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name:	Field book/page:	Project No.:
118 Genoa Ave S.dwg	106981-3/14	106980001-L022

Survey date:	Drawn by:	Checked by:	Sheet No.:
12/09/2025	BWL	TJH	02 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L022-118 GENOA AVE S\118 Genoa Ave S.dwg



PLAT OF UNIT 3
SECTION 2, TWP. 45 S, RGE. 27 E.
A SUBDIVISION OF

LEHIGH ACRES

LEE COUNTY, FLORIDA

100 50 0 100 200
SCALE IN FEET

All lots subject to a 6 foot Utility Easement on both sides and back, and a 6 foot Drainage Easement on the front and sides of lot on 50 foot R/W.

Interior P.R.M.s are 4"x 4" x 24" concrete.

• Denotes P.R.M.s

All corner lot radii are 25 feet, except as shown and the lot dimensions are to the straight line intersections, except where arc distances are shown.

x Witness Monument.

All Canals are hereby dedicated to East County Water Control District.

PLAT BOOK 15 PAGE 186

PLAT OF SECTION 2

A SUBDIVISION OF

LEHIGH ACRES

LEE COUNTY, FLORIDA

LEE COUNTY LAND AND TITLE COMPANY

DEVELOPERS

DESCRIPTION

ALL OF SECTION 2, TOWNSHIP 45 SOUTH, RANGE 27 EAST, LEE COUNTY, FLORIDA

KNOW ALL MEN BY THESE PRESENTS, THAT LEE COUNTY LAND AND TITLE COMPANY, A CORPORATION UNDER THE LAWS OF FLORIDA, BEING THE OWNER OF THE LAND DESCRIBED IN THE CAPTION HEREON HAS CAUSED THIS PLAT OF SECTION 2, LEHIGH ACRES TO BE MADE AND DO HEREBY DEDICATE TO THE PERPETUAL USE OF THE PUBLIC STREETS, ROADS, DRIVES AND/OR LANES SHOWN HEREON. ALL CANAL RIGHTS OF WAY ARE HEREBY DEDICATED TO THE EAST COUNTY WATER CONTROL DISTRICT.

IN WITNESS WHEREOF GERALD H. GOULD AND EDWARD SHAPIRO, RESPECTIVELY PRESIDENT AND SECRETARY OF LEE COUNTY LAND AND TITLE COMPANY, BY AND WITH AUTHORITY OF IT'S BOARD OF DIRECTORS HAVE EXECUTED THESE PRESENTS FOR AND ON BEHALF OF SAID CORPORATION AND CAUSED IT'S CORPORATE SEAL TO BE AFFIXED THIS 19 DAY OF December A.D. 1962

LEE COUNTY LAND AND TITLE CO.

BY Gerald H. Gould
President

ATTEST Edward Shapiro
Secretary

STATE OF FLORIDA
COUNTY OF LEE

I HEREBY CERTIFY THAT ON THIS DAY, BEFORE ME AN OFFICER DULY AUTHORIZED TO TAKE ACKNOWLEDGEMENTS, PERSONALLY APPEARED GERALD H. GOULD AND EDWARD SHAPIRO, RESPECTIVELY PRESIDENT AND SECRETARY OF LEE COUNTY LAND AND TITLE COMPANY, TO ME KNOWN TO BE THE PERSONS DESCRIBED IN AND WHO EXECUTED THE FOREGOING DEDICATION AS PRESIDENT AND SECRETARY RESPECTIVELY OF LEE COUNTY LAND AND TITLE COMPANY FOR THE PURPOSES THEREIN SET FORTH.

WITNESS MY HAND AND OFFICIAL SEAL AT FORT MYERS, SAID COUNTY AND STATE THIS 19th DAY OF December A.D. 1962

Jean Welelle
NOTARY PUBLIC STATE OF FLORIDA AT LARGE
My Commission Expires

ALL BEARINGS ARE FROM TRUE MERIDIAN BASED ON OBSERVATION OF POLARIS AT S.W. CORNER OF SECTION 30, TOWNSHIP 44 S., RANGE 27 E., LEE COUNTY, FLORIDA

APPROVALS

THIS PLAT APPROVED THIS 27th DAY OF Dec A.D. 1962 IN OPEN MEETING OF THE BOARD OF COUNTY COMMISSIONERS OF LEE COUNTY, FLORIDA.

APPROVED George S. Hunter
Chairman

D. J. Yarbee
Clerk

Frank K. Davis
County Attorney

County Engineer

I HEREBY CERTIFY THAT THIS PLAT OF SECTION 2, LEHIGH ACRES, HAS BEEN EXAMINED BY ME AND FROM MY EXAMINATION I FIND THAT SAID PLAT COMPLIES IN FORM WITH THE REQUIREMENTS OF SURVEY LAWS OF FLORIDA.

I FURTHER CERTIFY THAT SAID PLAT WAS FILED FOR RECORD AT FORT MYERS THIS 31st DAY OF Dec A.D. 1962, AND DULY RECORDED IN PLAT BOOK 15 ON PAGE 186-205 OF PUBLIC RECORDS OF LEE COUNTY, FLORIDA.

D. J. Yarbee
Clerk Of The Circuit Court In And For Lee County

CERTIFICATE OF SURVEY

I HEREBY CERTIFY THAT THIS PLAT IS A CORRECT REPRESENTATION OF A SURVEY MADE UNDER MY DIRECTION AND THAT PERMANENT REFERENCE MONUMENTS HAVE BEEN PLACED AS SHOWN.

FLORIDA REGISTERED LAND SURVEYOR No 1198

THE OWNER DOES HEREBY DEDICATE TO THE PERPETUAL USE OF THE EAST COUNTY WATER CONTROL DISTRICT THE CANAL RIGHTS OF WAY SHOWN HEREON AND ALL PRESENT AND FUTURE WORKS BUILT OR CONSTRUCTED WITHIN THESE RIGHTS OF WAY SHALL BE OWNED AND MAINTAINED BY SAID EAST COUNTY WATER CONTROL DISTRICT.

PART IV #26-110

Recommended Action

Engineering Review:

By: _____ 6/18/2026 **Approved _X_ Denied __**

District Field Review:

By: _____ Approved ___ Denied ___

District Manager: _____ Date: _____

Comments:

The referenced permit application submitted by Lumos Fiber of Florida, LLC for a subaqueous crossing under Bald Eagle Canal (57-2-1) at 118 Genoa Ave S. in Lehigh Acres, has been reviewed and is recommended for approval with the following stipulations:

1. On sheet 7 of the plans, please remove or modify dimensions of 16.9' and 17.2', as well as make the bore elevations (6.4') more noticeable to avoid construction site mistakes.

2. On sheet 7 of the plans, minimum 10' offset from canal bottom, Disturbed R/W sodding requirements, and 48" minimum bore offsets from pavement notes are missing, please revise.

3. On sheet 11 of the plans, the culvert crossing detail specifies 24" minimum offset from culvert, if the detail is depicting a canal crossing, the offset should be 120" or 10'. If not, please include a note to clarify that the details do not apply to LA-MSID canal crossing.

4. Permanent above-ground cable markers must be placed at the canal right-of-way (R/W) line on each side of the crossing.

5. Any disturbed canal R/W must be restored with sod and maintained until fully established. Seeding will not be permitted.

6. Within 30 days of completing the improvements, provide LA-MSID with a copy of the survey record drawings indicating the location and elevation of utilities within the canal R/W.

7. The permittee will be responsible for any necessary repairs, alterations, or relocation of the utility if required for future maintenance or repairs of the canal.

8. Lee County DOT must review and approve any utility work proposed within the County Road R/W.

LEHIGH ACRES - MUNICIPAL SERVICES IMPROVEMENT DISTRICT
PERMIT

THIS PERMIT is granted this 20th day of July, 2026, by Lehigh Acres Municipal Services Improvement District (hereinafter referred to as "DISTRICT"), 601 East County Lane, Lehigh Acres, Florida 33936, to Lumos Fiber of Florida, LLC, 4100 Mendenhall Oaks Parkway, Suite 300, High Point, NC 27265, hereinafter referred to as the "Permittee") as a non-exclusive permit for a directional bore under Mike Canal (47-1-2), along the east side of Fitch Ave., between E. 24th St. & E. 23rd St., in Lehigh Acres, FL.

W I T N E S S E T H:

1. In the event the DISTRICT is not the fee title owner of the real property (the "Property") to which this Permit is applicable, the Permittee agrees, prior to commencement, to obtain all necessary consents from the fee title owners of the Property.

2. This Permit does not constitute a waiver of the necessity by the Permittee to obtain such other necessary and appropriate permits required by other governmental bodies or agencies; therefore the Permittee, prior to commencement, is required to obtain any and all other applicable federal, state, and local permits required in connection with Permittee's use of the Property and agrees that at all times it will comply with the requirements of all federal, state and local laws, ordinances, rules and regulations applicable or pertaining to the use of the Property by the Permittee.

3. Permittee understands and agrees that the use of the Property pursuant to this Permit is subordinate to the rights and interests of the DISTRICT and to the extent applicable that of the fee title owner of the Property. Further, Permittee does hereby stipulate that the Permittee is not relying upon any representations whatsoever by the DISTRICT regarding the DISTRICT'S right, title, interest, or ownership as to the Property for which this Permit is applicable.

4. The Permittee, by accepting this permit, specifically agrees to allow authorized District Personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:
    a. Having access to and copying any records that must be kept under the conditions of the permit:
    b. Reviewing the facility, equipment, practices, or operations regulated or required under this permit; and
    c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or District rules.

5. The DISTRICT specifically reserves the right to maintain its facilities located over, under or upon the Property; to make improvements; add additional facilities; maintain, construct or alter its roads; maintain any facilities, devices, or improvements on the Property which aid in or are necessary to the DISTRICT'S operation; and the right to enter upon the Property at all times for such purposes. Permittee understands that in the exercise of such rights and interest, the DISTRICT may require Permittee, at no cost to DISTRICT, to relocate, alter, or remove the Permittee's facilities and equipment or other improvements made by Permittee pursuant to this Permit which interfere with or prevent the DISTRICT, in the DISTRICT'S opinion, from properly and faithfully constructing, improving and maintaining its facilities. If the Permittee should fail to relocate, alter, or remove the Permittee's facilities, equipment or other improvements made by the Permittee pursuant to this Permit within a reasonable time period following receipt of notice from the DISTRICT requesting same, then in that event the DISTRICT shall have the right to enter upon the lands and make such relocation, alterations or removal of the Permittee's facilities, equipment/or other improvements at no cost to DISTRICT.

6. Permittee agrees that it will not use the Property in any manner which interferes with the DISTRICT'S

use of the Property or causes a hazardous condition to exist.

7. The DISTRICT assumes no responsibility for the ownership, operation and/or maintenance of the Permittee's facilities as permitted herein.

8. The Permittee agrees to backfill any excavation it makes within the Property and to repair or replace (i) any below-grade authorized facilities and features located therein, including but not limited to: water, sewer, stormwater or irrigation facilities, structures or appurtenances and (ii) as to at or above-grade facilities and features, this requirement shall only be applicable to grasses and sod, sidewalks, and roadway improvements (the term roadway improvements shall include but not be limited to curbing, roadway base, sub grade and asphaltic or concrete surfaces) which are removed or damaged as a direct result of said excavation. Such repair or replacement shall substantially restore these features to their condition as it existed immediately prior to the event precipitating the excavation.

9. All below-grade Permittee installations, including water and sewer lines, whether sub aqueous or not, together with appurtenant facilities, shall be located underground and have a minimum ground cover of thirty inches (30") below original design profile grade, including District waterways and roadways.

10. All Permittee activity related to sub aqueous utility, water and/or sewer lines, including appurtenant facilities, shall be conducted in such fashion that the primary functional purpose of the canal or lake body facility, specifically flood control, within which the activity is taking place is not adversely affected. More specifically, sub aqueous construction shall conform to the criteria given in the Lehigh Acres Municipal Services Improvement District (Lehigh Acres – MSID) Administrative Policy and Procedures.

11. Permittee shall, at no expense to DISTRICT and within a reasonable time following notice, adjust the positions and elevations of its facilities as may be required in connection with future improvements to, or construction of, works of the DISTRICT.

12. Permittee does hereby indemnify and hold harmless the DISTRICT, its Board of Commissioners, officers, personnel, and it's Engineers against any claims, losses, damages (including consequential), expenses, or legal fees that might arise out or result from the implementation of the proposed project by the Permittee or that may be caused by a failure of DISTRICT facilities or property.

13. The Permittee shall be obligated at the time of submission of its Permit application, to provide a detail of any other existing improvements located over, under, upon or through the Property and the Permittee's accompanying plans and specifications shall clearly indicate how the Permittee will comply with required clearances between the requested permitted activity and existing improvements located over, under and upon the Property, including compliance with other permitted users duly adopted and published standards.

14. Permittee shall reimburse the DISTRICT for its legal, engineering and other expenses incurred as a result of the implementation of the proposed project.

15. If Permittee should violate any of the terms or conditions of the Permit and shall not correct or remedy same within ten (10) days of receiving written notice of said violation from the DISTRICT, then in that event, the DISTRICT may, at its option, revoke, cancel and terminate this Permit.

16. This Permit may not be assigned by the Permittee without the prior written approval of the DISTRICT.

17. Unless otherwise adjusted, modified or terminated as set forth hereinabove, including the Conditions attached hereto, this Permit shall continue in full force and effect so long as Permittee complies with the

terms of this Permit.

18. In any litigation, including breach, enforcement or interpretation arising out of this Permit, the prevailing party to this Permit shall be entitled to recover reasonable attorney's fees, costs and expenses related to said action from the non-prevailing party.

19. That attached hereto are Supplemental Conditions to this Permit which are incorporated herein and made a part hereof.

LEHIGH ACRES – MUNICIPAL SERVICES IMPROVEMENT DISTRICT

BY: _____

NAME TYPED: David E. Lindsay

TITLE: District Manager

SUPPLEMENTAL CONDITIONS TO PERMIT NO. 26-111

A. GENERAL CONDITIONS

1. Notification shall be given by the Permittee to the District Engineer, AIM Engineering, at 239-332-4569 forty-eight (48) hours prior to commencement of the permitted activity. The District Engineer shall establish points of construction, if applicable, which will require inspection by the District Engineer prior to construction of the permitted activity. When the Permittee considers the permitted activity complete, the Permittee shall notify the District Engineer and schedule an on-site final inspection which shall be held in the presence of a representative of the Permittee and the District Engineer.

2. The permitted activity shall be implemented, constructed and/or installed in full accordance with the approved plans and specifications within six (6) full calendar years from the date of permit approval. Deviations from the approved plans or specifications shall be coordinated with and approved by the District Engineer prior to implementation of any such deviation.

3. When working in a District road right-of-way, not more than one-half (½) of the road or street shall be closed and traffic shall be controlled so as to provide for the safety and minimum hindrance to the public. All traffic control operations shall conform to the most current issue of the Florida Department of Transportation publication "Manual on Traffic Controls and safe Practices for Street and Highway Construction, Maintenance and Utility Operations."

4. The District Engineer shall be the final authority as to the quality and quantity of the material and works required to satisfy the terms and conditions of this Permit as they relate to District improvements and facilities.

5. Upon completion of the permitted activity and after its final review and acceptance by the District Engineer THE PERMITTEE SHALL DELIVER TO THE DISTRICT OFFICE ONE COMPLETE SET OF THE FINAL "RECORD DRAWINGS." FAILURE TO PROVIDE THE FINAL RECORD DRAWINGS MAY RESULT IN THE REVOCATION, CANCELLATION AND TERMINATION OF THIS PERMIT.

6. The above Conditions shall be continuing obligations of the Permittee and shall be complied with in the event of any subsequent maintenance, repair, replacement or modification of the permitted improvement.

Stipulations:

1). Permit #26-111 is approved according to the plans submitted June 11th, 2026.

2). The proposed directional bore must maintain a minimum clearance of 10 feet below the bottom elevation of the canal for the entire 105.65' within the canal right of way.

3). Permanent utility markers, (at least 4' high) with the utility companies contact information clearly labeled on it, must be installed at each canal right of way line over top the proposed line.

4). All guy wires, poles, pull boxes, etc. must be located outside of the canal right of way and not interfere with the District's canal maintenance activities.

5). All canal R/W that is disturbed must be restored with sod and maintained until well established (no seeding will be allowed).

6). Boring contractor is not allowed to pump water out of the LAMSID canals for their boring operations unless they apply for and receive a water use permit from LAMSID.

7). The Permittee will be responsible for any repairs, alterations, or relocation of the utility if required for repairs or maintenance of the canal in the future.

8). Provide LAMSID with a copy of your record drawings and a copy of your bore depth logs showing where your utilities are located within the canal R/W and at what elevation they are located, within 30 days following completion of the improvements.

9). Lee County DOT must review and approve the utility work that is outside of the canal right of way along Fitch Ave.

06 - 38 - 26
26 - 111

APPLICATION FOR A PERMIT

*Note: The review of permit applications will be conducted per the Lehigh Acres Municipal Services Improvement District's Administrative Policy and Procedures

AGENT NAME: WILLIAM KIEFER **PHONE #:** (515) 306 - 3403

PROJECT NAME: LE1_001_FDH_09 2321 FITCH AVE - MIKE CANAL 47-1-2

TOTAL ACREAGE: N/A

Property Address (STRAP associated with this address will be used as the primary STRAP for this project): 2321 FITCH AVE					
Mailing Address:	N/A				
City:	LEHIGH ACRES	**State:**	FLORIDA	**Zip:**	33920

STRAP NUMBERS (*attach additional sheet if necessary*):

01 -	44 -	27 -	L2 -	10039 -	0230

Brief description of proposed project:

Application for: DIRECTIONAL BORE 2x1.25" HDPE SDR 11 CONDUIT 105.65'
IN THE LAMSID ROW OF MIKE CANAL 47-1-2 ALONG FITCH AVE

RECEIVED
JUN 18 2026
LEHIGH ACRES
MUNICIPAL SERVICES
IMPROVEMENT DISTRICT

Is the project proposed to be developed in phases? ☐ Yes ☑ No

Estimated # of Phases:	1
***Permit Fee:**	$2334.75 **(to be verified by staff)**

* See Administrative Policy and Procedures Sections 4.15 – 4.17 for current Permit Fee Amount.

PART II

OWNER/APPLICANT/ DEVELOPER INFORMATION

A.

Name of Applicant	LUMOS FIBER OF FLORIDA, LLC						
Mailing Address:	**Street:**	4100 MENDENHALL OAKS PKWY, SUITE 300					
City:	HIGH POINT	**State:**	NORTH CAROLINA		**Zip:**	27265	
Phone No.	**Area Code:**	515	**Number:**	306 - 3403	**Ext.**		
Fax No.	**Area Code:**		**Number:**	-			
E-mail Address:	WILLIAM.KIEFER@LUMOSFIBER.COM						

B. **Relationship of applicant to property*:**
Owner* ☐ **Trustee*** ☐ **Option holder*** ☐ **Lessee*** ☐

Contract Purchaser* ☐ **Other (indicate)*** ☑ UTILITY

C.

Name of Developer:	MILENIUM DIRECTIONAL DRILLING, INC						
Mailing Address:	**Street:**	5395 COGSWELL DR					
	WAYNE	**State:**	MI		**Zip:**	48184	
	Area Code:	(313)	**Number:**	326 - 2333	**Ext.**		
Fax No.	**Area Code:**	( )	**Number:**	-			
E-mail Address:	FELECAND@MILENIUMBORS.COM						

D.

Name of Authorized Agent(s):	CENTILLION SOLUTIONS						
Mailing Address:	Street:	6030 BETHELVIEW RD, SUITE 301					
City:	CUMMING	State:	GEORGIA		Zip:	30040	
Phone No.	Area Code:	(480)	Number:	442 - 0562	Ext.		
Fax No.	Area Code:	( )	Number:	-			
E-mail Address:	KYLE.PARKEY@CENTILLIONSOLUTIONS.COM						

E.

Name of Property owner:	N/A						
Mailing Address:	Street:						
City:		State:			Zip:		
Phone No.	Area Code:	( )	Number:	-	Ext.		
Fax No.	Area Code:	( )	Number:	-			
E-mail Address:							

*A disclosure of the name of all persons or entities having an ownership interest in the property is required (attached).

PART III

DISCLOSURE OF OWNERSHIP INTEREST FORM FORM:

	-	-	-	-	-

PRIMARY STRAP NUMBER:

1. If the property is owned in the fee simple by an **INDIVIDUAL**, tenancy by the entirety, tenancy in common, or joint tenancy, list all parties with an ownership interest as well as the percentage of such interest.

Name and Address	Percentage of Ownership

2. If the property is owned by a **CORPORATION**, list the officers and stockholders and the percentage of stock owned by each.

Name, Address, Office	Percentage of Stock

3. If the property is in the name of a **TRUSTEE**, list the beneficiaries of the trust with percentages of interest.

Name and Address	Percentage of Interest

4. If the property is in the name of a **GENERAL PARTNERSHIP OR LIMITED PARTNERSHIP**, list the names of general and limited partners.

Name and Address	Percentage of Interest

5. If there is a **CONTACT FOR PURCHASE**, whether contingent on this application Or not, and whether a Corporation, Trustee, or Partnership, list the names of the contract purchasers below, including the officers, stockholders, beneficiaries, or partners.

Name and Address	Percentage of Interest

Date of Contract (mm/dd/yy): / /

6. If any contingency clause or contract terms involve additional parties, list all individuals or officers, if a corporation, partnership, or trust.

Name and Address	Percentage of Interest

For any changes of ownership of changes in contracts for purchase subsequent to the date of the application, but prior to the date of final certificate for compliance, a supplemental disclosure of interest must be filed.

The above is a full disclosure of all parties of interest in this application, to the best of my knowledge and belief.

William Kiefer
SIGNATURE OF APPLICANT

WILLIAM KIEFER
PRINTED OR TYPED NAME OF APPLICANT

STATE OF FLORIDA
COUNTY OF LEE

The foregoing instrument was acknowledged before me this 17th day of June (m), 2026 (y), by William Kiefer who is personally know to me or has produced _____ as identification.

Shandie N Bradshaw
SIGNATURE OF NOTARY PUBLIC

Shandie N Bradshaw
PRINTED NAME OF NOTARY PUBL

SHANDIE NICOLE BRADSHAW NOTARY PUBLIC REG. #7132142 MY COMMISSION EXPIRES August 31, 2026 COMMONWEALTH OF VIRGINIA

PART IV

EXPLANATION

All Permit Application sections must be completed and submitted.

Permit Application fees and submittal items (see Part VI) must be submitted with the application.

Any and all work involving the lands and/or facilities of the District shall not commence without a Board approved permit.

All set policies, procedures, technical requirements, and fee schedules can be found and reviewed in the 'Administrative Policy and Procedures Guide'. The Guide is available at the District Office located at 601 East County Lane, Lehigh Acres, FL or online at la-msid.com/.

PART V

PROFESSIONAL CONSULTANT FORM

ATTORNEY

Name:					
Mailing Address:					
City:		**State:**		**Zip:**	
Business No.	**Area Code:** ( )	**Number:** -		**Ext.**	
Other Contact:					

ENGINEER

Name:	MCKIM & CREED				
Mailing Address:	5701 DIVISION DR, STE A				
City:	FORT MYERS	**State:**	FLORIDA	**Zip:**	33905
Business No.	**Area Code:** (239)	**Number:**	980 - 3384	**Ext.**	
Other Contact:					

OTHER REPRESENTATIVE/PROFESSIONAL

Name:	BLAIR CONSULTING SERVICES, INC				
Mailing Address:	1428 SUNBLUSH LN				
City:	LAS VEGAS	**State:**	NV	**Zip:**	89117
Business No.	**Area Code:** (813)	**Number:**	579 - 0128	**Ext.**	
Other Contact:					

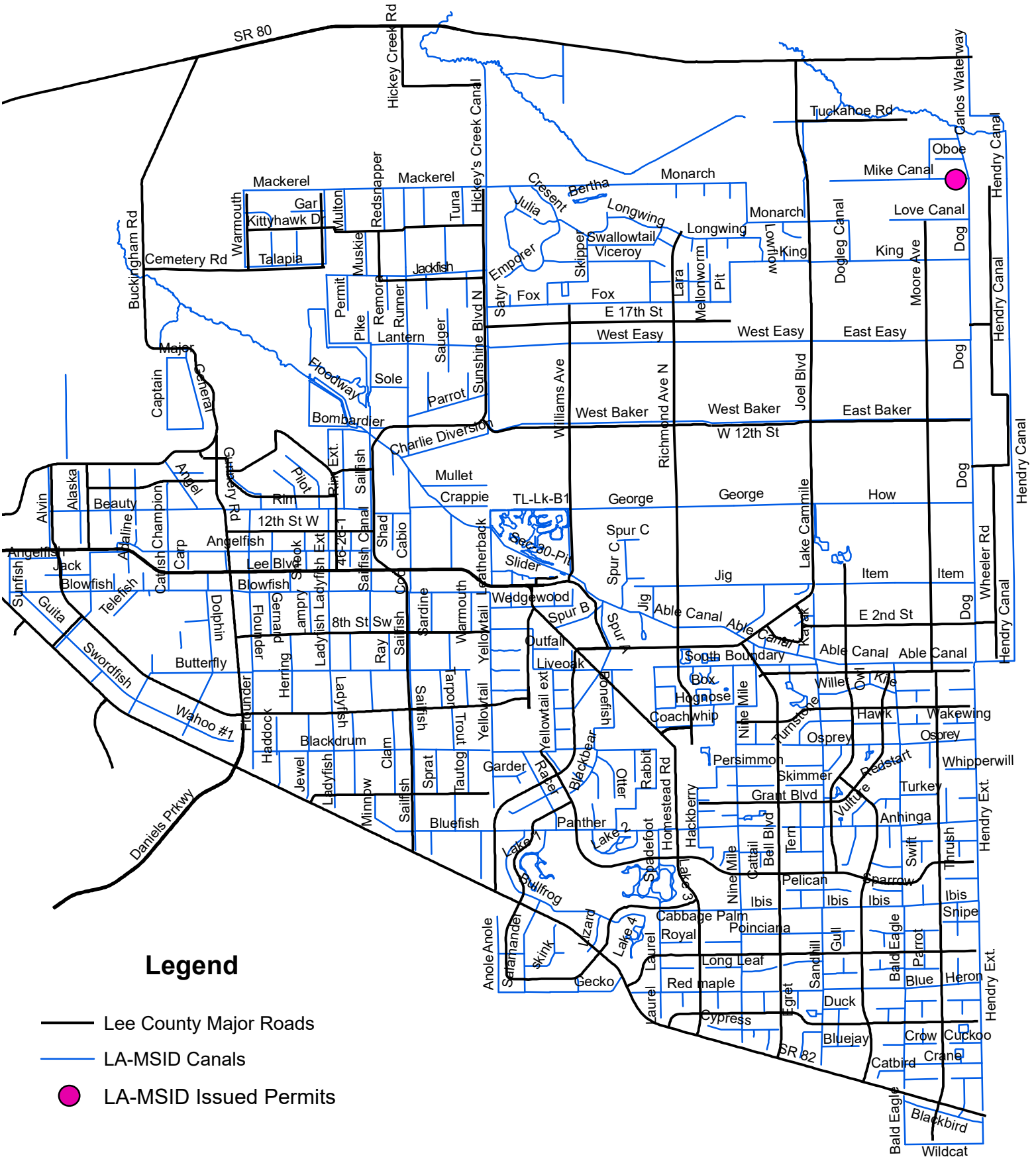
PART VI

SUBMITTALS

NO. OF COPIES		SUBMITTAL DOCUMENT
SUB'D	REQ'D	
		ITEMS REQUIRED FOR INITIAL SUBMITTAL
2	2	**Construction/Development Plans** signed and sealed by a Licensed Florida Professional Engineer including: 1. Location map showing the location of the proposed project in relation to adjacent streets and LA-MSID facilities. 2. Details of proposed works that fully communicate the work and/or use desired (i.e. Existing Conditions Survey, Proposed Site Plan, Paving Grading & Drainage Plan, Cross Sections, Element Details, and Erosion Control Plan sheets). 3. Sufficient survey data to determine elevations, property and ROW lines, limits of existing and proposed conditions, and notation of utilized vertical datum (NAVD/NGVD).
NA	2	**Stormwater Drainage Calculations** signed and sealed by a Licensed Florida Professional Engineer including, but not limited to, computer stormwater routing modeling data (ICPR4, Cascade, etc.) to verify compliance with the Design Criteria (input summary data below): **Water Quality Volume (Required):** _____(ACRE-FT) **Water Quality Volume (Provided):** _____(ACRE-FT) **Control Elevation:** _____(FT-NGVD) **Minimum Road/Parking Elevation:** _____(FT-NGVD) *(above the 10-year, 1-day design storm peak stage elevation)* **Minimum Perimeter Berm Elevation:** _____(FT-NGVD) *(above the 25-year, 3-day design storm peak stage elevation)* **Minimum Finished Floor Elevation:** _____(FT-NGVD) *(above the 100-year, 3-day design storm peak stage elevation and previously experienced high-water levels external to project)*
2	2	**Flash Drive / CD** containing plans in both AutoCAD (.dwg file drawn in "State Plane Coordinates") and PDF formats.
2	2	**Permit Application** (PARTS I & II)
2	2	**Disclosure of Owner Form (signed and notarized)** (PART III)
2	2	**Professional Consultant Form & Submittals** (PARTS V & VI)
NA	2	**Copy of Approved FDEP Notice of Intent (NOI)** for all sites one (1) acre and greater in size.
NA	2	**Copy of approved SWFMD permit**, for all sites required to get a permit, **or FDEP "10/2 Self-Certification"** approval.
1	1	**Check for appropriate Permit Fees** made out to LA-MSID.

Lehigh Acres Municipal Services Improvement District
•601 East County Lane •Lehigh Acres, FL 33936 •Phone: (239) 368-0044

Permit # 2026-111

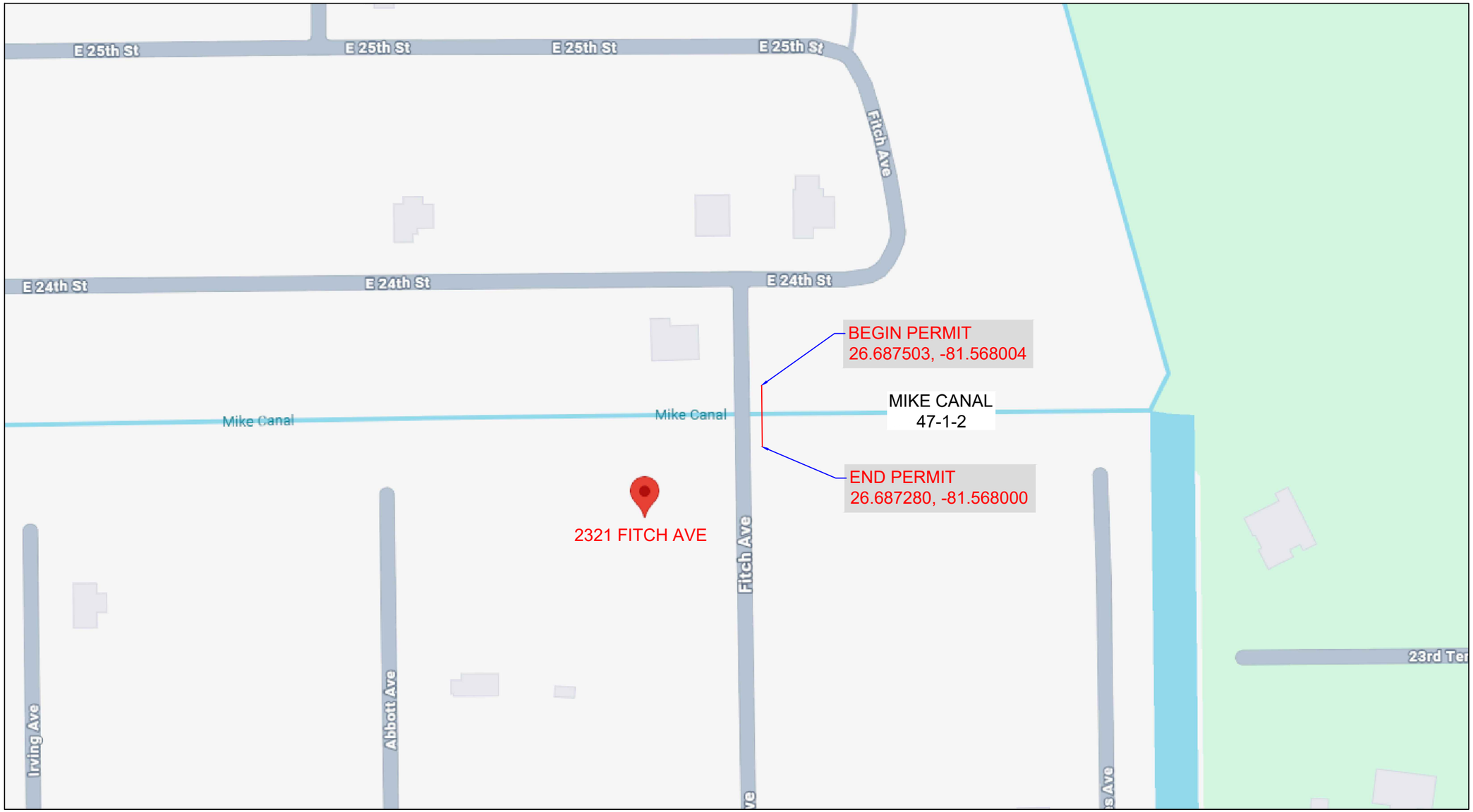


Legend

- Lee County Major Roads
- LA-MSID Canals
- LA-MSID Issued Permits

LE1_001_FDH_09 - LEHIGH ACRES_LEE COUNTY_FLORIDA - MIKE CANAL

2321 FITCH AVE, LEHIGH ACRES, FL 33920 (26.687417, -81.568002)



PERMIT #:

PROJECT DESCRIPTION

- BURIED PLACEMENT OF 306' OF (2) 1.25" HDPE SDR 11 CONDUIT EQUIPPED WITH (1) 96-CT FIBER OPTIC CABLE. (0) PROPOSED HANDHOLES.
- PIPE TO BE INSTALLED BY MEANS OF HORIZONTAL DIRECTIONAL DRILLING AND HAND DIGGING METHODS.
- ALL AREAS DISTURBED BY INSTALLATION TO BE RESTORED TO EXISTING OR BETTER CONDITION.

DRAWING INDEX

SHEET NUMBER	SHEET TITLE	SHEET NUMBER	SHEET TITLE
1	COVER SHEET	7	PROFILE VIEW
2	SOW AND CONTACTS	8 - 9	IMAGES
3	LEGEND	10 - 12	TYPICALS
4 - 5	GENERAL NOTES		
6	PROJECT SHEETS		

PERMITTING AGENCY
LA - MSID

lumos

BLAIR CONSULTING SERVICES, Inc.

1428 SUNBLUSH LN
LAS VEGAS, NV 89117

811 Know what's below. Call before you dig.

Blair Consulting Services, INC
1428 Sunblush Ln, Las Vegas, NV 89117
Fabio Perassi - Project Manager
fsperassi@gmail.com

LUMOS
William Kiefer - OSP Project Engineer
william.kiefer@lumosfiber.com
Phone: (515) 306-3403

Jason Bush - Construction Manager
jason.bush@lumosfiber.com
Phone: (941)812-2913

EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND BASED ON AVAILABLE RECORDS AND FIELD OBSERVATIONS. CONTRACTOR IS RESPONSIBLE FOR CALLING 811 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES AND ANY DAMAGE TO THE UTILITIES SHALL BE IMMEDIATELY REPAIRED AT THE CONTRACTOR'S EXPENSE.

REVISION DATA

NO.	DESCRIPTION	BY	DATE
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SHEET TITLE:	COVER SHEET
PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_001_FDH_09
DESCRIPTION:	MIKE CANAL
DRAWING NAME:	LE1_001_FDH_09 - LEHIGH ACRES_LEE COUNTY_FLORIDA - MIKE CANAL
SHEET:	1 OF 12

SCOPE OF WORK

- BURIED PLACEMENT OF 306' OF (2) 1.25" HDPE SDR 11 CONDUIT EQUIPPED WITH (1) 96-CT MICROFIBER OPTIC CABLE. (0) PROPOSED HANDHOLES.
- PIPE TO BE INSTALLED BY MEANS OF HORIZONTAL DIRECTIONAL DRILLING AND HAND DIGGING METHODS.
- ALL AREAS DISTURBED BY INSTALLATION TO BE RESTORED TO EXISTING OR BETTER CONDITION.

UTILITY OWNER CONTACTS

LUMOS
William Kiefer - OSP Project Engineer
William.kiefer@lumosfiber.com
Phone: (515) 306-3403

Jason Bush - Construction Manager
jason.bush@lumosfiber.com
Phone: (941)812-2913

ENGINEERING COMPANY

Blair Consulting Services, INC
1428 Sunblush Ln,
Las Vegas, NV 89117

PROJECT MANAGER
Fabio Perassi
813-579-0128
fsperassi@gmail.com

UTILITIES CONTACTS

CENTURYLINK
BILL MCCLOUD
(850) 815-3144

LEE COUNTY ELECTRIC CO-OP
TOM BAILEY
(239) 656-2414

LUMOS FIBER OF FLORIDA, LLC
MARLON BROWN - SR DIRECTOR
MARLON.BROWN@LUMOSFIBER.COM
(540) 278-0304

FLORIDA GOVERNMENTAL UTILITIES AUTHORITY - LEHIGH
POTABLE WATER/SANITARY SEWER
LINA MARIA QUINTERO, PE
(727) 858-2396

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT
MICHAEL COOK
(239) 368-0044 Ext. 16
MCOOK@LA-MSID.COM
STORM WATER/CANALS

LEE COUNTY DEPARTMENT OF TRANSPORTATION (DOT)
COMMERCIAL RIGHT OF WAY USE PERMIT
(239) 533-8580
ROADS

FDOT
DISTRICT 1 - COUNTIES: CHARLOTTE, COLLIER, DESOTO, GLADES, HARDEE, HENDRY, HIGHLANDS, LEE, MANATEE, OKEECHOBEE, POLK, SARASOTA
801 N. BROADWAY AVENUE
BARTOW, FLORIDA 33830
PHONE: (800) 292-3368
PHONE: (239) 225-1900

PERMITTING AGENCY
LA - MSID

lumos

BLAIR CONSULTING SERVICES, Inc.

1428 SUNBLUSH LN
LAS VEGAS, NV 89117

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EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND BASED ON AVAILABLE RECORDS AND FIELD OBSERVATIONS. CONTRACTOR IS RESPONSIBLE FOR CALLING 811 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES AND ANY DAMAGE TO THE UTILITIES SHALL BE IMMEDIATELY REPAIRED AT THE CONTRACTOR'S EXPENSE.

REVISION DATA

NO.	DESCRIPTION	BY	DATE
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SHEET TITLE: SOW & CONTACTS

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_001_FDH_09
DESCRIPTION:	MIKE CANAL
DRAWING NAME:	LE1_001_FDH_09 - LEHIGH ACRES_LEE COUNTY_FLORIDA - MIKE CANAL
SHEET:	2 OF 12

LINETYPES

- UG FIBER – EXISTING
- UG FIBER – PROPOSED
- AERIAL FIBER – EXISTING
- AERIAL FIBER – PROPOSED
- COMMUNICATION (COM)
- RECLAIM WATER (RCW)
- DITCH
- GUARDRAIL
- ROAD CENTERLINE
- EASEMENT (ESMT)
- GAS (G)
- WATER (W)
- TELEPHONE (T)
- ELECTRIC (E)
- SANITARY SEWER (SEW)
- STORM DRAIN (SD)
- FENCE (X)
- CABLE TV (TV)
- STEAM (STM)
- OIL (OIL)
- UNKNOWN UTILITY (UNK)
- RIGHT OF WAY (R/W)
- EDGE OF PAVEMENT (EOP)
- SIDEWALK (S/W)

SYMBOL	DESCRIPTION
BP	BORE PIT
EOP	EDGE OF PAVEMENT
EOTW	EDGE OF TRAVEL WAY
FOC	FIBER OPTIC CABLE
HDPE	HIGH DENSITY POLYETHYLENE
HH	HANDHOLE
JB	JUNCTION BOX
MH	MANHOLE
MP	MILE POST
O/S	OFFSET
PVC	POLY VINYL CHLORIDE
RGS	RIGID GALVANIZED STEEL CONDUIT
ROW	RIGHT OF WAY
S/W	SIDEWALK
STA.	STATION

- CB — CABINET
- P — PEDESTAL
- E — ELECTRIC
- EM — ELECTRIC METER
- MH — MANHOLE
- R — RISER
- T — TELEPHONE
- P — POWER VAULT
- CATCH BASIN/INLET
- FIRE HYDRANT
- GROUND/BOND
- STREET LIGHT
- TREE
- CULVERT
- WING WALL
- BRIDGE
- U — MISC. UTILITY
- UTILITY POLE – EXISTING
- OWNER ID — POLE – PROPOSED
- HH — HANDHOLE – EXISTING
- HH — HANDHOLE – PROPOSED
- PD — PEDESTAL – PROPOSED
- MKR — PROMARK DOME MARKER POST
- BORE PIT – PROPOSED

- 0' — AERIAL STORAGE – EXISTING
- 0' — AERIAL STORAGE – PROPOSED
- 0' — VAULT/BUILDING STORAGE – EXISTING
- 0' — VAULT/BUILDING STORAGE – PROPOSED
- POLE ANCHOR/DOWN GUY – EXISTING
- POLE ANCHOR/DOWN GUY – PROPOSED
- PROPOSED DOWN GUY ON EXISTING ANCHOR
- FDP / NAME / SIZE / LOCATION — TERMINATION – EXISTING
- FDP / NAME / SIZE / LOCATION — TERMINATION – PROPOSED
- BUILDING / NAME / STREET — BUILDING CALLOUT – PROPOSED
- MANUFACTURER NAME — SPLICE POINT – EXISTING
- MANUFACTURER NAME — SPLICE POINT – PROPOSED

#F	
	IN: 0
	OUT: 0

SEQUENTIAL CALLOUT

#F	
	IN: 0
	TAIL: 0

SEQUENTIAL IN TAIL CALLOUT

#F	
	TAIL: 0
	OUT: 0

SEQUENTIAL TAIL OUT CALLOUT

POLE NO	N/A
UTILITY1	0'-0"

POLE ATTACHMENT CALLOUT – EXISTING
USE DYNAMIC PULL DOWN TO SELECT FROM 1 TO 6 ATTACHMENTS

POLE NO	N/A
UTILITY1	0'-0"

POLE ATTACHMENT CALLOUT – PROPOSED
USE DYNAMIC PULL DOWN TO SELECT FROM 1 TO 6 ATTACHMENTS

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REVISION DATA

NO.	DESCRIPTION	BY	DATE
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SHEET TITLE: LEGEND

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_001_FDH_09
DESCRIPTION:	MIKE CANAL
DRAWING NAME:	LE1_001_FDH_09 - LEHIGH ACRES_LEE COUNTY_FLORIDA - MIKE CANAL
SHEET:	3 OF 12

GENERAL NOTES

CONTRACTOR MUST OBTAIN LOCATES PRIOR TO DISTURBING THE GROUND.

CONTRACTOR MUST HAVE A COPY OF THE APPROVED PERMIT FROM THE APPROPRIATE AGENCY ON THE JOBSITE AT ALL TIMES.

ALL CABLE WILL BE PLACED AT A MINIMUM DEPTH OF 36" DEEP UNLESS OTHERWISE DIRECTED BY A REPRESENTATIVE OF THE UTILITY OWNER.

ANY LANDSCAPING WILL BE REPLACED TO EQUAL OR BETTER THAN THAT WHICH EXISTED PRIOR TO WORK, 72 HOURS AFTER COMPLETION OF WORK.

PROJECT SITE WILL BE PROPERLY SECURED PRIOR TO THE END OF EACH DAY.

ALL WORK IS TO BE IN ACCORDANCE WITH ALL AUTHORITIES HAVING JURISDICTION IN THE WORK ZONE.

CONTRACTORS ARE ADVISED TO CONTACT THE PROJECT MANAGER FOR ANY ADDITIONAL INFORMATION OR CLARIFICATION CONCERNING SCOPE OF WORK OR THE REQUIREMENTS NECESSARY FOR PROJECT COMPLETION.

CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY ALL DIMENSIONS, QUANTITIES AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION. IF A SIGNIFICANT CHANGE TO THE RUNNING LINE IS NEEDED, PLEASE CONTACT THE PROJECT MANAGER BEFORE PROCEEDING.

BEFORE CONSTRUCTION BEGINS, CONTRACTOR SHALL TAKE APPROPRIATE PRECAUTIONS TO AVOID ANY POTENTIAL OBSTRUCTIONS PRIOR TO PROCEEDING WITH WORK.

NO CONSTRUCTION ON PRIVATE PROPERTY WILL COMMENCE UNTIL APPROVAL IS GIVEN BY A REPRESENTATIVE OF THE UTILITY OWNER.

CONTRACTOR SHALL NOT PROCEED WITH WORK UNTIL THEY HAVE RECEIVED A PURCHASE ORDER AND HAVE BEEN DIRECTED TO DO SO BY AN AUTHORIZED REPRESENTATIVE OF THE UTILITY OWNER.

CONTRACTOR SHALL NOT EXCEED THE PURCHASE ORDER VALUE WITHOUT AUTHORIZATION IN WRITING FROM THE APPROPRIATE REPRESENTATIVE OF THE UTILITY OWNER.

AS-BUILTS WILL BE REQUIRED FOR EACH PROJECT INCLUDING CABLE FOOTAGE SEQUENTIALS AT EVERY ACCESS POINT, SLACK LOOP, SPLICE LOCATION, POLE AND TERMINATION POINT. CONTRACTOR SHOULD ALSO PROVIDE NOTES OF ALL CHANGES IN DEPTHS, RUNNING LINES, MH/HH LOCATIONS, AND ANY OTHER APPLICABLE NOTES TO DEPICT THE WORK THAT TOOK PLACE. NOTE: ALL MAJOR CHANGES NEED TO BE PRE-APPROVED BY AN AUTHORIZED REPRESENTATIVE OF THE UTILITY COMPANY PRIOR TO STARTING THE WORK.

SITE CONDITIONS

THE ACTUAL LOCATION OF EXISTING CONDUIT AND CABLES MAY VARY FROM THE LOCATION SHOWN. REPAIR OF ANY DAMAGED CONDUIT CONTAINING CABLE SHALL BE MADE BY USE OF PVC SPLIT DUCT. THE CONTRACTOR SHALL ENCLOSE THE EXISTING CABLES IN PVC.

THE LOCATIONS OF EXISTING UTILITIES SHOWN IN THIS PLAN ARE APPROXIMATE. WHEN WORK IS TO BE CONDUCTED IN THE VICINITY OF KNOWN UTILITIES, THEIR ACTUAL LOCATION MUST BE FIELD VERIFIED TO AVOID CONFLICTS OR DAMAGE TO THOSE UTILITIES. VARIATION IN LOCATION BETWEEN "RECORDED POSITIONS" AND ACTUAL POSITIONS SHOULD BE ANTICIPATED.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES. BURIED UTILITIES MAY EXIST IN THE AREA IN ADDITION TO THOSE SHOWN ON THE PLAN. THE CONTRACTOR SHALL CONTACT PROPERTY OWNERS WHEN WORKING WITHIN PRIVATE EASEMENTS FOR LOCATION OF UNDERGROUND TANKS, PIPELINES, DRAIN TILES, OR OTHER BURIED IMPROVEMENTS. THE CONTRACTOR SHALL ALSO NOTIFY THE UTILITY NOTIFICATION CENTER PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITIES.

THE CONTRACTOR MUST ASSUME ALL BURIED UTILITIES ENCOUNTERED ARE ALIVE AND ACTIVE UNLESS SPECIFICALLY INSTRUCTED OTHERWISE BY OWNERS OR OPERATORS OF SAID UTILITIES.

DAMAGE TO SUB-SURFACE STRUCTURES IS THE SOLE RESPONSIBILITY OF THE PLACING CONTRACTOR.

THE CONTRACTOR SHALL PROTECT THE EXISTING TRAFFIC CONTROL LOOPS. IF EXISTING TRAFFIC CONTROL LOOPS ARE DAMAGED DURING CONSTRUCTION, THE ENTIRE LOOP WIRE FROM TERMINAL TO TERMINAL SHALL BE REPLACED IN ACCORDANCE WITH GOVERNING AGENCY STANDARDS AND REGULATIONS AT CONTRACTOR'S EXPENSE.

REMOVAL OF EXISTING ASPHALT PAVEMENT, CONCRETE CURBS, AND CONCRETE SIDEWALKS WILL BE "NEAT LINE" WITH SAW OR PAVEMENT CUTTER, PER REQUIREMENTS AND SPECIFICATIONS OF THE AGENCY OR DEPARTMENT RESPONSIBLE FOR EACH LOCATION. IF CONCRETE PAVEMENT IS ENCOUNTERED WHILE EXCAVATING CONDUIT TRENCHES, THE CONCRETE REMOVAL WILL BE "NEAT LINE" WITH A PAVEMENT SAW.

IF CONCRETE CURB RETURNS AND/OR SIDEWALKS ARE REPLACED DUE TO CONDUIT OR MANHOLE INSTALLATION, THE CONTRACTOR SHALL PLACE APPROVED HANDICAPPED SIDEWALK AND CURB ACCESS RAMPS IN CONFORMANCE WITH THE APPROPRIATE STATE STATUTES.

ALL MATERIALS NECESSARY FOR THE REPAIR OF STREETS, CURBS, SIDEWALKS, SANITARY SEWERS, STORM SEWERS, AND PUBLIC SERVICE UTILITIES, AND THE INSTALLATION OF SUCH MATERIALS SHALL BE IN CONFORMANCE WITH THE REQUIREMENTS AND SPECIFICATIONS OF THE AGENCY OR DEPARTMENT RESPONSIBLE FOR THE OPERATION AND MAINTENANCE OF THE REPAIRED FACILITY.

ALL WORK SHALL CONFORM TO THE SPECIFICATIONS OF THE JURISDICTIONAL PERMIT AGENCY.

ALL OPEN TRENCH WILL BE CLEARLY MARKED WITH BARRICADES OR CONES. STEEL PLATES OR OTHER TYPES OF BRIDGING SHALL BE PROVIDED TO COVER OPEN TRENCH IN THE TRAVEL PORTION OF THE STREETS. THESE PLATES OR BRIDGING SHALL BE ADEQUATE TO SUPPORT THE NORMAL VEHICLE LOADS ANTICIPATED IN THIS AREA AND SHALL BE IN PLACE DURING ALL NON-WORKING AREAS.

ALL SURFACES TO BE RESTORED TO ORIGINAL CONDITION, AND BACKFILL TO BE COMPACTED AS SPECIFIED. TRENCH EXCAVATION IN SURFACES WHICH INCLUDE CONCRETE TREATED BASE SHALL FOLLOW LOCAL AREA SPECIFICATIONS.

HAZARDOUS MATERIALS

THE CONTRACTOR SHALL NOTIFY THE JURISDICTIONAL PERMIT AGENCY IMMEDIATELY IF ANY MATERIALS ARE ENCOUNTERED THAT ARE CONSIDERED HAZARDOUS BY THE EPA, DEQ, OR OSHA. IF POTENTIALLY HAZARDOUS MATERIALS ARE ENCOUNTERED THE CONTRACTOR SHALL SECURE THE SITE AND PREVENT THE ACCIDENTAL EXPOSURE BY THE PUBLIC OR THE CONTRACTOR'S PERSONNEL.

THE CONTRACTOR MAY EXCAVATE UP TO, BUT SHALL NOT DISTURB KNOWN HAZARDOUS MATERIALS SUCH AS ASBESTOS, OILS, ACID, ETC. THE REMOVAL OF ALL HAZARDOUS MATERIALS MUST BE DONE BY AN APPROVED OR CERTIFIED HAZARDOUS MATERIALS CONTRACTOR LICENSED IN THE APPROPRIATE STATE.

A COPY OF ALL CORRESPONDENCE PERTINENT TO THE REMOVAL OF HAZARDOUS MATERIALS SHALL BE TRANSMITTED TO OWNER AND A COPY SHALL BE AVAILABLE AT THE PROJECT OFFICE AND THE JOB SITE.

AERIAL NOTES

- AERIAL CONSTRUCTION TO BE PERFORMED TO INDUSTRY ACCEPTABLE STANDARDS.
- ALL HEIGHTS OF CABLE PLACEMENT WILL BE RECORDED AT TIME OF CONSTRUCTION. DOCUMENT ALL POINTS OF ATTACHMENT.
- ALL EXTENSION ARMS TO BE PLACED WILL BE EPOXY ARMS UNLESS OTHERWISE NOTED OR APPROVED BY THE INSPECTOR.
- BOND STRAND TO POWER MGN WHERE APPLICABLE. ANCHORS TO BE USED WILL BE 3/4 SCREW IN TYPE.
- ALL STRAPS WILL BE PLACED 4" BEFORE AND AFTER EVERY SUPPORTING CLAMP AT A MINIMUM OF 21" APART.
- P.O.A. = POINT OF ATTACHMENT.
- ADD MISSING GROUNDS.
- REPAIR/REPLACE EXISTING LASHING WIRE IF DAMAGED.

CONSTRUCTION STAKING

IN AREAS WHERE THE CONDUIT ALIGNMENT IS NOT CLEARLY DEFINED BY CURB LINES, FENCE LINES, OR OTHER EVIDENCE OF THE RIGHT-OF-WAY, THE ENGINEER WILL PROVIDE CENTERLINE STAKES OR PAINT MARKS WHERE REQUIRED TO MAKE THE PROPOSED CONDUIT ALIGNMENT EVIDENT.

MANHOLE CENTERS WILL BE FIELD STAKED BY THE ENGINEER WHEN REQUESTED WITH OFFSET STAKES AT RIGHT ANGLES (90°) TO THE CONDUIT ALIGNMENT.

CLOSURES IDENTIFIED IN THE PLANS SHALL BE LOCATED BY THE CONTRACTOR. DEVIATION FROM PLAN LAYOUT SHALL BE APPROVED BY THE ENGINEER PRIOR TO CONDUIT AND/OR CLOSURE INSTALLATION.

IF ADDITIONAL, FIELD STAKING OR LOCATION OF CONDUITS, MANHOLES, PROPERTY LINES, ETC., BECOMES NECESSARY, THE CONTRACTOR IS TO NOTIFY THE INSPECTOR OR THE ENGINEER TWO WORKING DAYS PRIOR TO BEGINNING THE WORK.

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REVISION DATA

NO.	DESCRIPTION	BY	DATE
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SHEET TITLE:	GENERAL NOTES
PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_001_FDH_09
DESCRIPTION:	MIKE CANAL
DRAWING NAME:	LE1_001_FDH_09 - LEHIGH ACRES_LEE COUNTY_FLORIDA - MIKE CANAL
SHEET:	4 OF 12

PERMITS - FRANCHISES - EASEMENTS

PHYSICAL WORK SHALL NOT BE STARTED UNTIL THE GOVERNING AGENCY INSPECTOR AND THE CONTRACTOR ARE IN POSSESSION OF AND HAVE CAREFULLY REVIEWED AND FULLY UNDERSTAND ALL CONDITIONS AND SPECIFICATIONS SET FORTH IN THE REQUIRED PERMITS, FRANCHISES, AND/OR EASEMENTS.

PLACING FOREMAN TO HAVE A COPY OF THE PERMITS/EASEMENTS ON SITE AT ALL TIMES.

ANY CONFLICT BETWEEN WORK PRINT SPECIFICATIONS AND SPECIFICATIONS SET FORTH UNDER RELATED PERMITS, FRANCHISES, AND/OR EASEMENTS MUST BE CLEARED BY PROPER COMPANY AUTHORITY BEFORE PROGRESSING WITH WORK INVOLVED

TRAFFIC CONTROL

THIS PROJECT WILL INVOLVE WORKING ALONG A MAJOR ARTERIAL ROAD AND HEAVY TRAFFIC VOLUME SHOULD BE ANTICIPATED.

UNIFORM TRAFFIC FLOW SHALL BE MAINTAINED AT ALL TIMES. ONLY EQUIPMENT AND MATERIALS NECESSARY FOR IMMEDIATELY SCHEDULED OR IN PROGRESS WORK WILL BE MAINTAINED IN THE WORK AREA. ALL OTHER EQUIPMENT AND MATERIALS WILL BE "STORED OR STOCKPILED" IN SUCH A MANNER AS TO ELIMINATE HAZARDOUS CONDITIONS FOR TRAFFIC OR PEDESTRIANS DURING NON-WORKING OR SHUT DOWN PERIODS.

TRAFFIC WARNING DEVICES AND SIGNS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (U.S. GOVERNMENT PRINTING OFFICE) AND TO THE STATE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION. HIGH LEVEL WARNING TYPE DEVICES ARE TO BE USED AT ALL TIMES AND SPECIAL WARNING DEVICES MAY BE STIPULATED BY THE JURISDICTIONAL PERMIT AGENCY AT ANY TIME THE USE WILL ADD TO THE SAFETY AND PROTECTION OF TRAFFIC OR PEDESTRIANS IN THE CONSTRUCTION AREA.

ALL CONDUIT TRENCHING IN PAVED AREAS SHALL BE BACKFILLED WITH CRUSHED GRAVEL OR COMPLETELY COVERED AT THE COMPLETION OF EACH WORKING DAY. ANY BACKFILLED TRENCH SHALL BE CAPPED WITH A MINIMUM LAYER OF ASPHALTIC CONCRETE COLD PATCH AT THE END OF EACH WORKING DAY.

THE CONTRACTOR SHALL MARK THE CONDUIT TRENCH AND DEFINE HIS CONSTRUCTION AREA CLEARLY WITH BARRICADES, CONES, AND/OR OTHER VISIBLE METHODS THAT ALERT THE PUBLIC OF THE CONSTRUCTION ACTIVITY.

A TRAFFIC CONTROL PLAN SHALL BE PREPARED BY THE CONTRACTOR AS REQUIRED AND SUBMITTED TO EACH PERMITTING AGENCY REQUESTING SUCH PLAN FOR REVIEW AND APPROVAL OR REVISION PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITY FOR THIS PROJECT. THE APPROVED PLAN SHALL BE SUBMITTED TO THE AGENCY AND A COPY OF THE PLAN SHALL BE KEPT AT THE CONSTRUCTION SITE AND MUST BE READILY AVAILABLE REVIEW BY THE AGENCY REPRESENTATIVES.

SPECIAL UTILITY CLEARANCES

ALL WORK CONDUCTED ADJACENT TO WATER MAINS SHALL CONFORM TO THE FOLLOWING CONDITIONS:

A. WHEREVER POSSIBLE CONDUIT SHALL MAINTAIN A HORIZONTAL SEPARATION OF 3.0 FEET, MEASURED SURFACE TO SURFACE (OUTSIDE EDGE TO OUTSIDE EDGE), FROM PARALLEL WATER MAINS.

B. WHEREVER POSSIBLE, CONDUIT SHALL PASS UNDER EXISTING WATER MAINS AND MUST MAINTAIN 24" VERTICAL CLEAR SEPARATION. CONDUITS PASSING OVER WATER MAINS MUST ALSO MAINTAIN THE 24" VERTICAL SEPARATION.

C. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING THIS REQUIRED VERTICAL SEPARATION BY EITHER EXPOSING THE WATER MAIN EVERY 100 FEET IN THOSE AREAS WHERE HORIZONTAL SEPARATION IS LESS THAN 3.0 FEET OR BY UTILIZING THE DEPTHS OF ADJACENT WATER VALVES. IF THE CONTRACTOR UTILIZES THE ADJACENT WATER TO DETERMINE WATER MAIN DEPTH, HE SHALL CONTACT THE AGENCY AT EACH SUCH LOCATION AND THE AGENCY WILL DETERMINE THE NECESSARY DEPTH OF THE TOP OF THE CONDUIT AT THAT POINT.

D. THE VERTICAL AND HORIZONTAL SEPARATION SHALL BE MAINTAINED AT ALL TIMES UNLESS SPECIFICALLY REVISED BY AGREEMENT BETWEEN THE JURISDICTIONAL PERMIT AGENCY AND THE AGENCY ANY SPECIFIC DEVIATION IN VERTICAL AND HORIZONTAL SEPARATION FROM THOSE DESCRIBED SHALL BE REPORTED TO THE OWNER BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING VERTICAL AND HORIZONTAL SEPARATION AT ALL TIMES AND SHALL BE RESPONSIBLE FOR ANY AND ALL ENCROACHMENTS.

E. CLEARANCES TO STORM SEWERS AND SANITARY SEWERS SHALL BE EXACTLY THE SAME AS THOSE TO WATER MAINS.

STRUCTURE PROTECTION

MANHOLES AND CONDUIT TO BE PLACED ADJACENT TO EXISTING STRUCTURES SUCH AS BRIDGE BRIDGE FOOTINGS/PIERS, BUILDING FOUNDATIONS, WALLS, POWER AND TELEPHONE POLES, AND OTHER UTILITIES SHALL MAINTAIN A MINIMUM CLEARANCE AS SHOWN. THE CONTRACTOR SHALL NOT UNDERMINE ANY ADJACENT STRUCTURE WITHOUT SPECIFIC WRITTEN PERMISSION FROM THE OWNER/OPERATOR OF SUCH STRUCTURE.

SHORING USED AS FOUNDATION SUPPORT SHALL BE DESIGNED SPECIFICALLY FOR BOTH THE LIVE AND DEAD LOADS OF THE STRUCTURE, OR IF ONLY THE DEAD LOAD IS USED FOR DESIGN, THE CONTRACTOR SHALL PROVIDE A DETAILED LAYOUT AND PLAN OF THE METHOD OF ESTABLISHING AND MAINTAINING THE DESIGN LOAD CONDITIONS (I.E., ROAD DETOURS, TIEBACKS, ETC.).

SEE UTILITY CLEARANCE SECTION NOTES FOR CLEARANCE CRITERIA TO PARALLEL OR CROSS UTILITIES.

EXISTING UTILITIES EXPOSED DURING EXCAVATION SHALL BE 100% SUPPORTED BY EITHER TRENCH BRIDGING AND SUSPENSION OR BY THE USE OF LONGITUDINAL TRAYS OR PLATFORMS VERTICALLY SUPPORTED BY ADJUSTABLE BUILDING JACKS.

EXISTING SPLICE CASES AND CABLES SHALL BE SUPPORTED BY SUSPENSION FROM A CROSSING BEAM. SUPPORTS SHALL BE PLACED AT A MAXIMUM SPACING OF 4.0 FEET AND SHALL CONSIST OF A CANVAS SLING WITH NYLON BELTING OR ROPE. ALL CABLE SUPPORTS SHALL BE PLACED IN A MANNER THAN PREVENTS KINKS OR OTHER DAMAGE TO THE CABLE SHEATH.

AN ACCEPTABLE ALTERNATIVE TO CABLE SLINGS WOULD BE THE UTILIZATION OF A WIDE FLANGE "I" BEAM OR CHANNEL AS A "CABLE TRAY" WITH THE CABLES/CASES BANDED IN PLACE.

SHORING

THE CONTRACTOR SHALL PROVIDE SHORING FOR CONDUIT TRENCH EXCAVATION 42" OR MORE IN DEPTH AS MEASURED FROM THE HIGH SIDE OF THE TRENCH AND FOR ALL MANHOLE EXCAVATION.

MANHOLE SHORING SHALL BE TIGHT-SHEETED.

ALL SHORING SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF LOCAL COUNTY AND THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA).

SHORING SHALL BE DESIGNED TO MEET H-20 HIGHWAY LOADING.

THE CONTRACTOR SHALL PROVIDE ALL SHORING AND DESIGN CALCULATIONS TO THE PERMIT ISSUING AGENCY PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITY.

UTILITY NOTE:

EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND BASED ON AVAILABLE RECORDS, VERBAL INFORMATION AND/OR PHYSICAL FEATURES. PRIOR TO CONSTRUCTION (AT LEAST 72 HOURS OR THE MORE RESTRICTIVE MINIMUM NOTIFICATION PERIOD), THE CONTRACTOR SHALL CONTACT SUNSHINE 811 TO ALLOW MARKING OF EXISTING BURIED UTILITIES WITHIN THE SCOPE OF THE PROPOSED WORKZONE.

SOFT DIGS &/OR POTHOLING SHALL BE REQUIRED BY CONTRACTOR TO IDENTIFY EXISTING UTILITY DEPTHS.

MINIMUM 24" SEPARATION SHALL BE MAINTAINED FROM ALL EXISTING UTILITIES UNLESS SUPERVISED.

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REVISION DATA

NO.	DESCRIPTION	BY	DATE
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SHEET TITLE:
GENERAL NOTES

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_001_FDH_09
DESCRIPTION:	MIKE CANAL
DRAWING NAME:	LE1_001_FDH_09 - LEHIGH ACRES_LEE COUNTY_FLORIDA - MIKE CANAL
SHEET:	5 OF 12

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811 Know what's below. Call before you dig.

0 10' 20' 30' 40'
SCALE: 1"=40'

PROPOSED BORE
PIT 03+06

PROPOSED UTILITY
MARKER 02+06

PROPOSED UTILITY
MARKER 01+00

PROPOSED BORE
PIT 00+00

DIRECTIONAL BORE:
- (2) 1.25" HDPE SDR 11 CONDUIT
- 306'
- MINIMUM DEPTH = 204" STA– 01+00 TO 02+06

FITCH AVE

MIKE CANAL
47-1-2

18' (01+59

105.65'

EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND BASED ON AVAILABLE RECORDS AND FIELD OBSERVATIONS. CONTRACTOR IS RESPONSIBLE FOR CALLING 811 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES AND ANY DAMAGE TO THE UTILITIES SHALL BE IMMEDIATELY REPAIRED AT THE CONTRACTOR'S EXPENSE.

REVISION DATA

NO.	DESCRIPTION	BY	DATE
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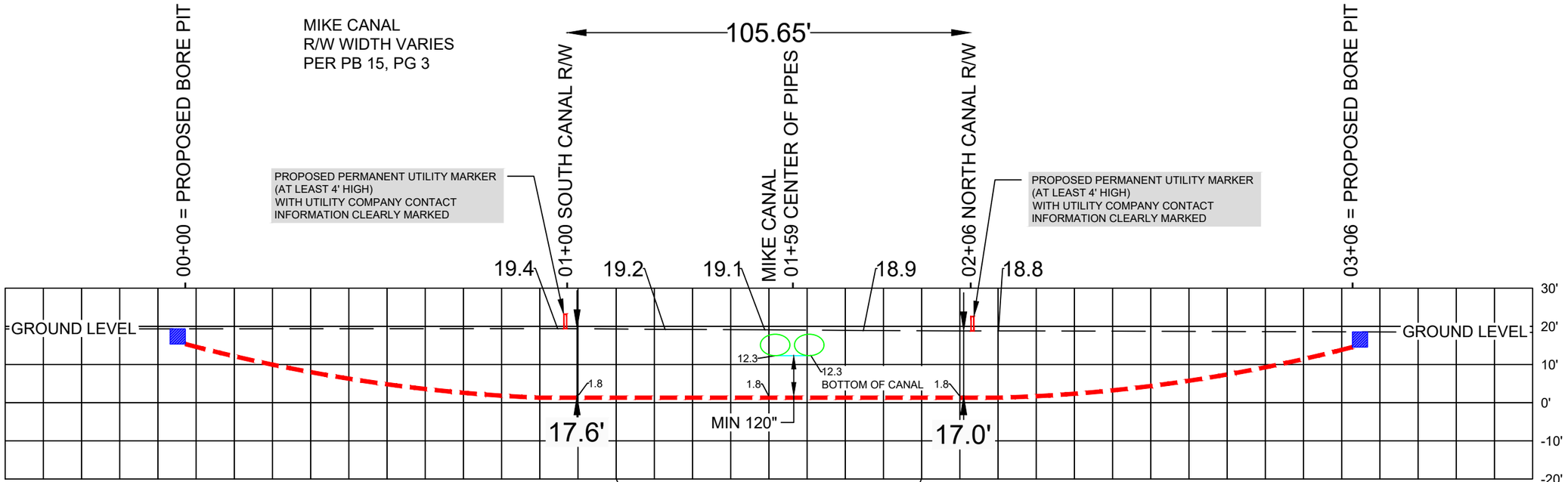
SHEET TITLE:
PROJECT SHEET

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_001_FDH_09
DESCRIPTION:	MIKE CANAL
DRAWING NAME:	LE1_001_FDH_09 - LEHIGH ACRES_LEE COUNTY_FLORIDA - MIKE CANAL
SHEET:	6 OF 12

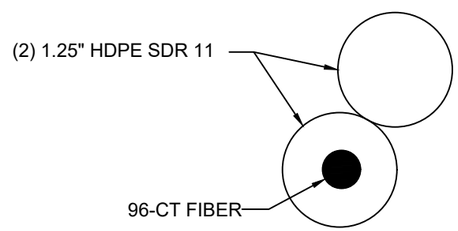
SUB-GRADE VERTICAL PROFILE VIEW
FITCH AVE
LOOKING WEST



UTILITY NOTE:

EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND BASED ON AVAILABLE RECORDS, VERBAL INFORMATION AND/OR PHYSICAL FEATURES. PRIOR TO CONSTRUCTION (AT LEAST 72 HOURS OR THE MORE RESTRICTIVE MINIMUM NOTIFICATION PERIOD), THE CONTRACTOR SHALL CONTACT SUNSHINE 811 TO ALLOW MARKING OF EXISTING BURIED UTILITIES WITHIN THE SCOPE OF THE PROPOSED WORKZONE.

PIPE DETAIL



PERMITTING AGENCY
LA - MSID

lumos

BLAIR CONSULTING SERVICES, Inc.
1428 SUNBLUSH LN
LAS VEGAS, NV 89117

811 Know what's below. Call before you dig.

0 10' 20' 30'
SCALE: 1"=30'

EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND BASED ON AVAILABLE RECORDS AND FIELD OBSERVATIONS. CONTRACTOR IS RESPONSIBLE FOR CALLING 811 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES AND ANY DAMAGE TO THE UTILITIES SHALL BE IMMEDIATELY REPAIRED AT THE CONTRACTOR'S EXPENSE.

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SHEET TITLE:
PROFILE VIEW

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_001_FDH_09
DESCRIPTION:	MIKE CANAL
DRAWING NAME:	LE1_001_FDH_09 - LEHIGH ACRES_LEE COUNTY_FLORIDA - MIKE CANAL
SHEET:	7 OF 12

STREET LEVEL VIEW
STA 01+00
FACING NORTH



05/20/2026 10:34AM
26.687280, -81.568000
2320 FITCH AVE
LEHIGH ACRES, FL 33920

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REVISION DATA

NO.	DESCRIPTION	BY	DATE
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SHEET TITLE:	IMAGES
PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_001_FDH_09
DESCRIPTION:	MIKE CANAL
DRAWING NAME:	LE1_001_FDH_09 - LEHIGH ACRES_LEE COUNTY_FLORIDA - MIKE CANAL
SHEET:	8 OF 12



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LAS VEGAS, NV 89117

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REVISION DATA

NO.	DESCRIPTION	BY	DATE
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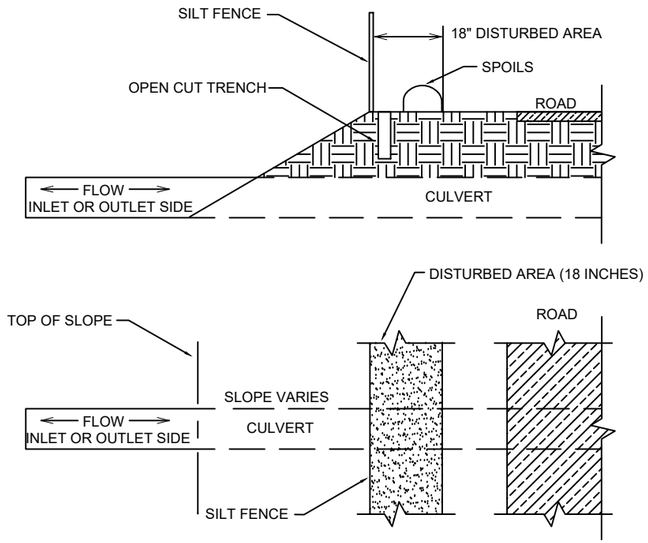
SHEET TITLE: IMAGES

PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_001_FDH_09
DESCRIPTION:	MIKE CANAL
DRAWING NAME:	LE1_001_FDH_09 - LEHIGH ACRES_LEE COUNTY_FLORIDA - MIKE CANAL
SHEET:	9 OF 12

TYPICALS

CULVERT CUT OVER ON ROADSIDE SHOULDER

NOT TO SCALE



GENERAL NOTES

1. INSTALL SILT FENCE TO PROTECT DOWNSTREAM AREAS FROM SEDIMENTATION PRIOR TO CONSTRUCTION.
2. INSTALL SILT FENCE AS NEEDED TO PROTECT DRAINAGE FEATURES, BUT NO LESS THAN 10' ON EITHER SIDE OF CULVERT.

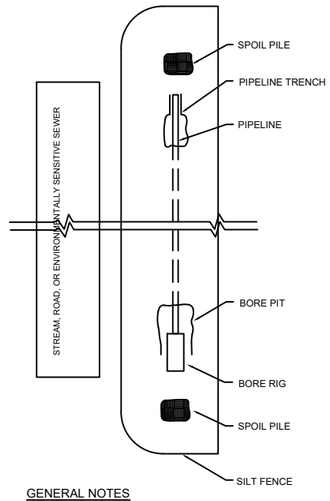
MAINTENANCE NOTES

INSPECT CULVERT CROSSING STRUCTURES WEEKLY AND AFTER EACH SIGNIFICANT RAINFALL EVENT (0.5" OR GREATER) TO SEE IF ANY EROSION AROUND OR BELOW THE SILT FENCE HAS OCCURRED, IMMEDIATELY MAKE ALL NEEDED REPAIRS TO PREVENT FURTHER DAMAGE.

*REF: 6.41.5 NC Erosion and Sediment Control Planning and Design Manual, 2006

DIRECTIONAL BORE DETAIL (PARALLEL)

NOT TO SCALE

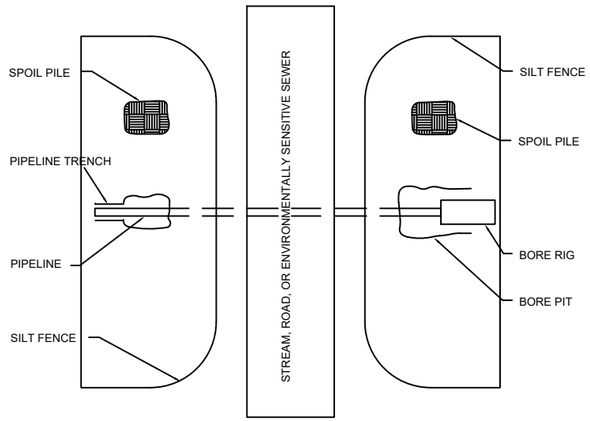


GENERAL NOTES

1. BORE PITS AND SPOILS PILES SHALL BE ENCLOSED ON THREE SIDES AS SHOWN WITH SILT FENCE

DIRECTIONAL BORE DETAIL (TRAVERSE)

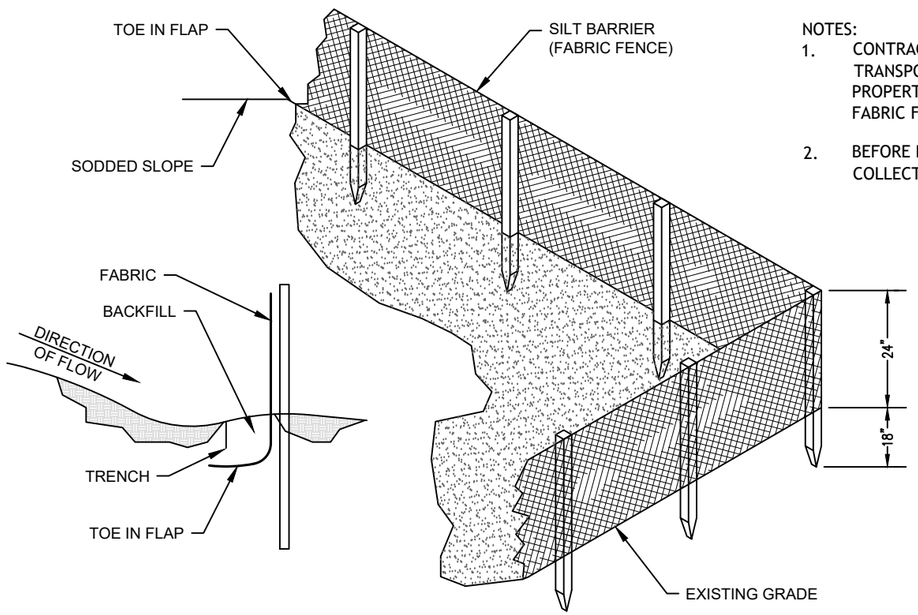
NOT TO SCALE



GENERAL NOTES

1. BORE PITS AND SPOILS PILES SHALL BE ENCLOSED ON THREE SIDES AS SHOWN WITH SILT FENCE

FABRIC FENCE SILT - BARRIER



NOTES:

1. CONTRACTOR IS REQUIRED TO PREVENT ANY SEDIMENT TRANSPORT FROM THE PROJECT SITE ON TO ADJACENT PROPERTY. INSTALLATION OF EITHER BALED HAY OR FABRIC FENCE TYPE SILT BARRIER IS ACCEPTABLE.
2. BEFORE REMOVING SILT BARRIER, CONTRACTOR SHALL COLLECT AND DISPOSE OF ANY ACCUMULATED SILT.

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LAS VEGAS, NV 89117

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PROJECT MANAGER:	FABIO PERASSI
PROJECT ENGINEER:	BEN PHILLIPS
PROJECT NUMBER:	LE1_001_FDH_09
DESCRIPTION:	MIKE CANAL
DRAWING NAME:	LE1_001_FDH_09 - LEHIGH ACRES_LEE COUNTY_FLORIDA - MIKE CANAL
SHEET:	10 OF 12

TYPICALS

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LAS VEGAS, NV 89117

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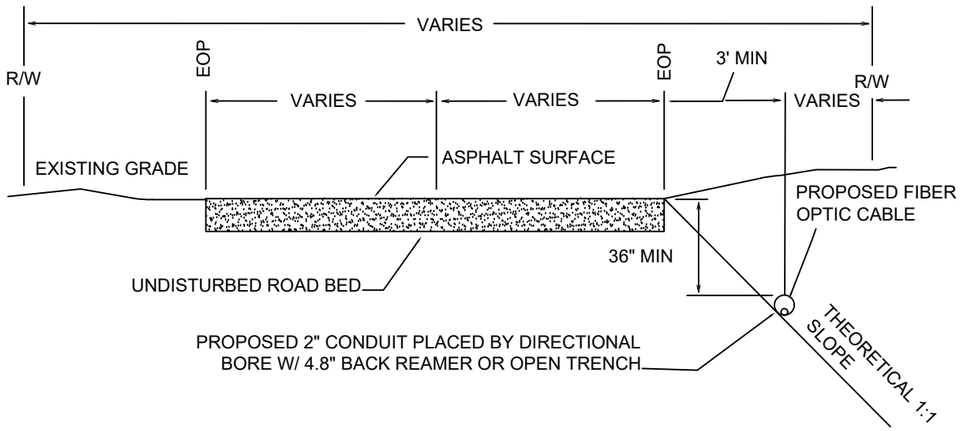
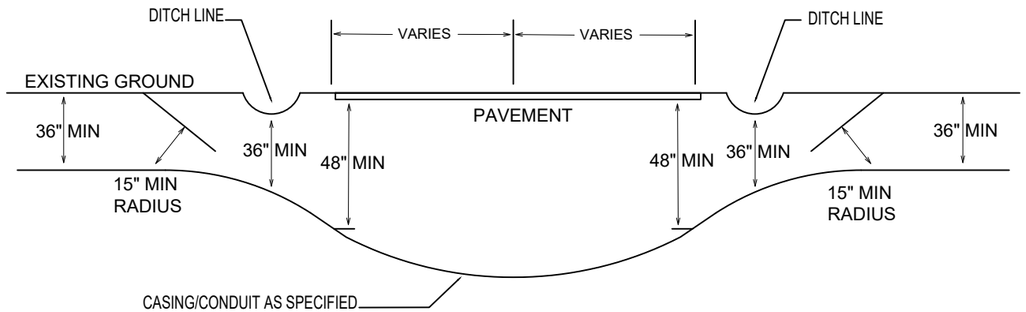
PARALLEL CONDUIT DETAIL FOR FDOT RIGHT-OF-WAY

NOT TO SCALE



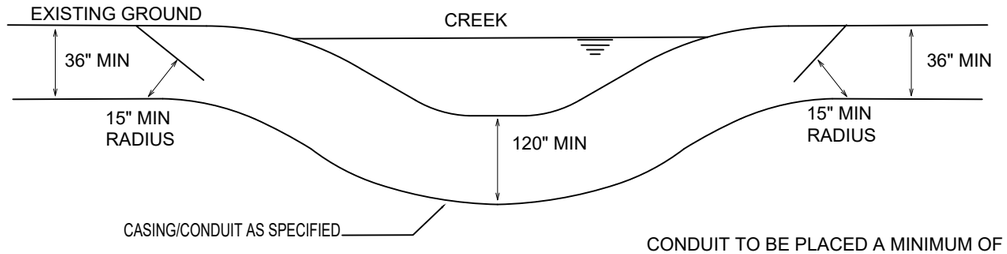
DIRECTIONAL BORE UNDER SECONDARY ROADWAY

NOT TO SCALE



DIRECTIONAL BORE UNDER CREEK BED

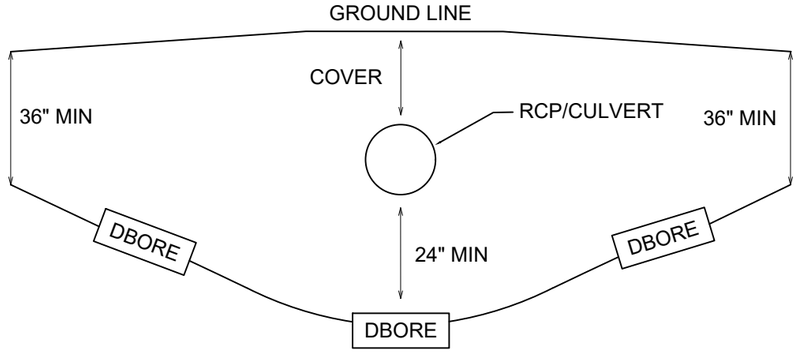
NOT TO SCALE



CONDUIT TO BE PLACED A MINIMUM OF 10 FEET BELOW CREEK BED

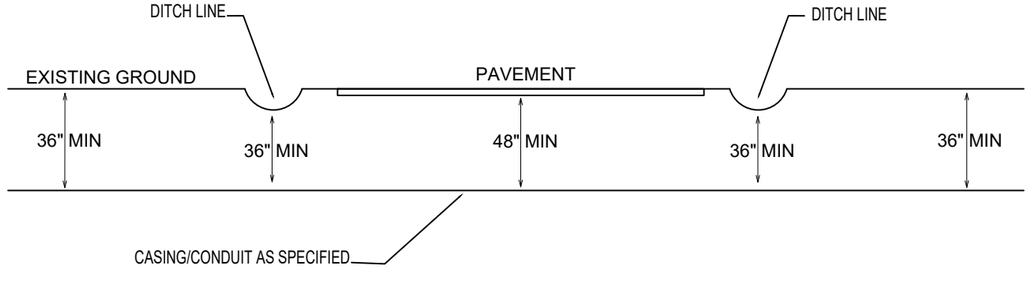
CULVERT CROSSING DETAIL

NOT TO SCALE



DRY BORE UNDER ROADWAY

NOT TO SCALE



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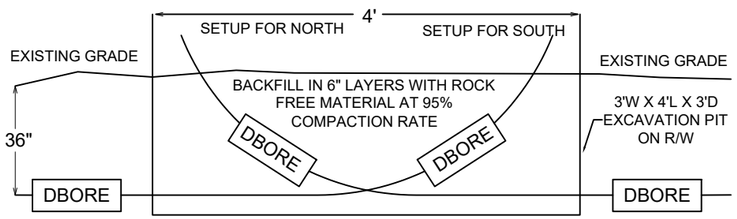
DESCRIPTION:	MIKE CANAL
DRAWING NAME:	LE1_001_FDH_09 - LEHIGH ACRES_LEE COUNTY_FLORIDA - MIKE CANAL
SHEET:	11 OF 12

TYPICALS

DIRECTIONAL BORE TIE-IN DETAIL

NOT TO SCALE

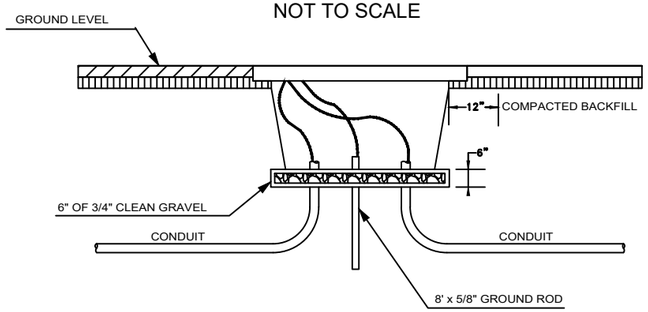


TIE-IN STATION

- BORE FROM EACH DIRECTION IS RUN AT DESIGN DEPTH TO 2 FEET PAST THE INTENDED TIE-IN. THEN TURNED UP TO DAYLIGHT.
- THE TIE-IN POINT IS EXCAVATED. THE CONDUITS CUT OFF WHERE THEY CROSS EACH OTHER AT DESIGN DEPTH, AND A COUPLER IS INSTALLED TO CONNECT THE TWO CONDUITS AT THE DESIGN DEPTH.
- ALL EXCAVATIONS OR TRENCHES 4 FEET OR GREATER IN DEPTH SHALL BE APPROPRIATELY BENCHED, SHORED, OR SLOPED IN OSHA'S EXCAVATION STANDARD, 29 CFR 1926.650, .651, AND .652

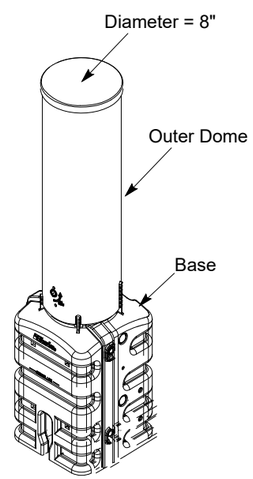
PULL BOX HANDHOLE

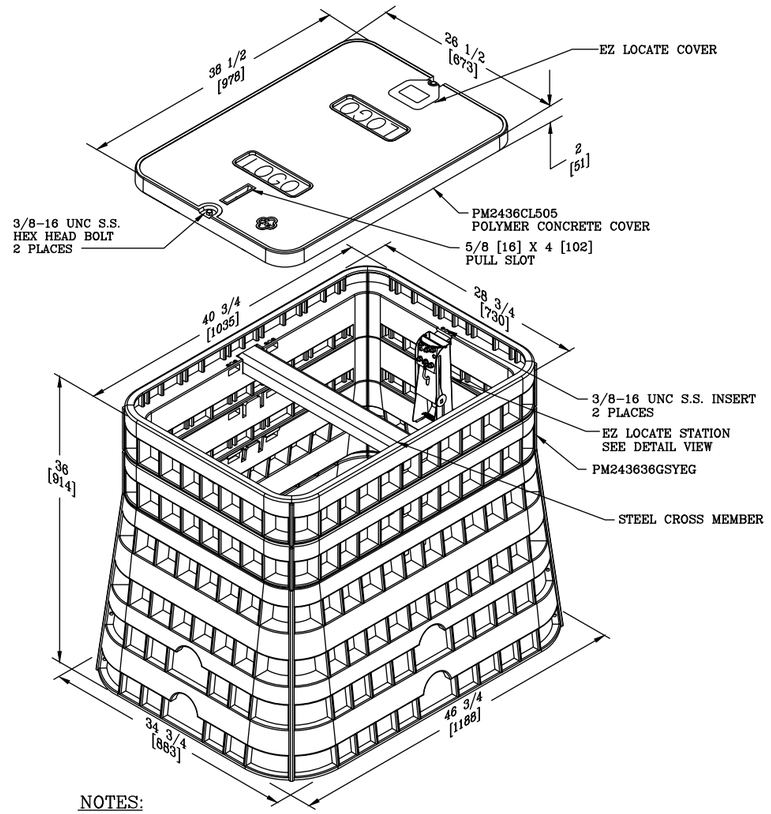
NOT TO SCALE



ALL EXCAVATIONS OR TRENCHES 4 FEET OR GREATER IN DEPTH SHALL BE APPROPRIATELY BENCHED, SHORED, OR SLOPED ACCORDING TO THE PROCEDURES AND REQUIREMENTS SET FORTH IN OSHA'S EXCAVATION STANDARD, 29 CFR 1926.650, .651, AND .652.

BDO204-EG

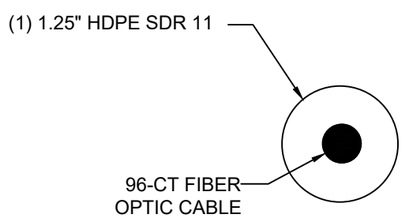




NOTES:

1. BOX MATERIAL TO BE HDPE PLASTIC, COVER MATERIAL TO BE POLYMER CONCRETE.
2. COLOR TO BE GREY.
3. THIS ASSEMBLY HAS A LOAD RATING OF 20,000 LBS. [88,960 N].

PIPE DETAIL



PERMITTING AGENCY

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1428 SUNBLUSH LN
LAS VEGAS, NV 89117

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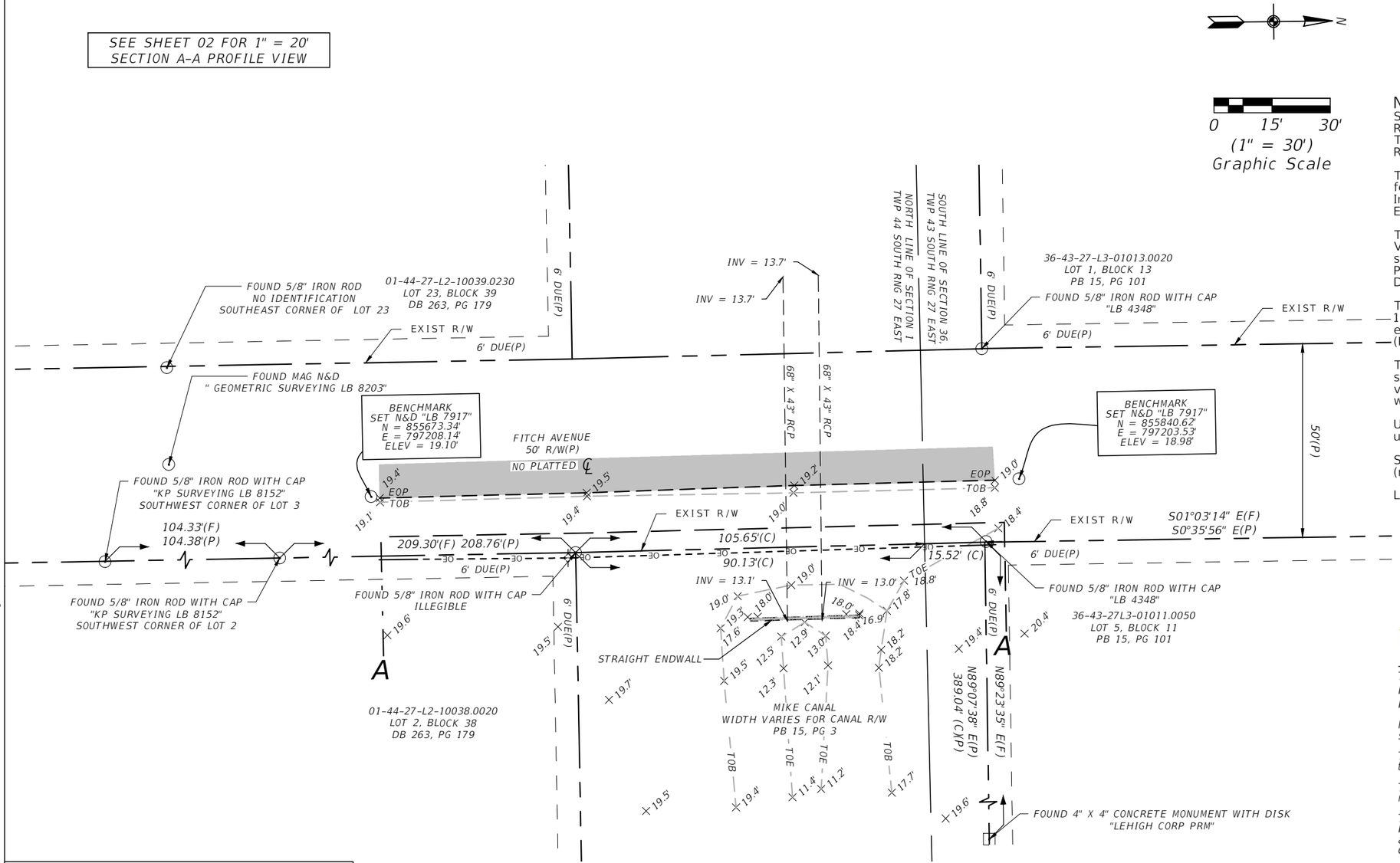
PROJECT NUMBER:	LE1_001_FDH_09
DESCRIPTION:	MIKE CANAL
DRAWING NAME:	LE1_001_FDH_09 - LEHIGH ACRES_LEE COUNTY_FLORIDA - MIKE CANAL
SHEET:	12 OF 12

Topographic Survey of a Subject Project Site

LYING WITHIN

Section 36, Township 43 South, Range 27 East
& Section 1, Township 44 South, Range 27 East
Lehigh Acres, Lee County, Florida



NOTES:

Survey based on the plat of SE 1/4 of Section 36 Township 43 South, Range 27 East as recorded in Plat Book 15 Page 101 and Section 1 Township 44 South Range 27 East in Plat Book 15, Page 4 Public Records of Lee County, Florida and existing monumentation.

This survey is a Topographic Survey for the purpose of locating the features within and adjacent to the Lehigh Acres Municipal Services Improvement District-managed facility East of Fitch Avenue between East 24th Street and East 23rd Street.

The elevations shown hereon are referenced to the North American Vertical Datum of 1988 (NAVD 1988). All elevations are reported in US survey feet and decimals thereof and are based upon the Florida Permanent Reference Network (FPRN) stations maintained by the Florida Department of Transportation.

The subject site lies within Zone "X" per FEMA insurance rate map 125124 0329G (Published 11/17/2022), therefore has no base flood elevation and Zone "AE" per FEMA insurance rate map 125124 0337F (Published 08/28/2008), having a base flood elevation of 19 feet.

The FEMA flood zone information indicated hereon is based on the maps supplied by the Federal Government. This flood information must be verified with all permitting regulatory entities prior to commencing any work or application dependent on said flood information.

Underground improvements, utilities and/or foundations were not located unless otherwise noted. Wetlands, if any, were not located.

Subject to easements, restrictions, reservations, and rights-of-way (recorded and unrecorded, written and unwritten).

Last day of field work: 04/06/2026

TAYLOR J. HENNINGE License Number 7279 STATE OF FLORIDA Professional Surveyor and Mapper

Taylor Henninge 2026.05.08 12:02:50-04'00'

TAYLOR J. HENNINGE
PROFESSIONAL SURVEYOR AND MAPPER
FLORIDA CERTIFICATE NO. LS# 7279

Not valid without the signature and the original seal of a Florida licensed surveyor and mapper.

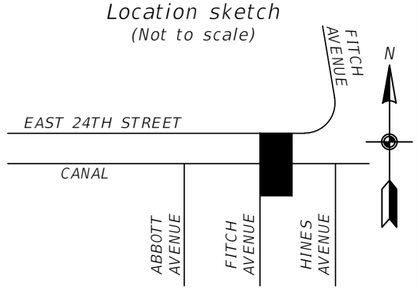
This survey is only for the lands as described. It is not a certificate of title, zoning, easements or freedom of encumbrances.

This survey was prepared without benefit of an abstract of title and all matters of title should be referred to an attorney at law.

This survey has been electronically signed and sealed by Taylor J. Henninge using a digital signature and date. Print copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Fitch Avenue, Lehigh Acres

Location sketch
(Not to scale)



LEGEND:

(C)	= CALCULATED	INST#	= INSTRUMENT NUMBER	(TYP)	= TYPICAL
(F)	= FIELD MEASURED	INV	= INVERT ELEVATION	⊙	= FOUND MONUMENT
(P)	= PER PLAT	N&D	= NAIL AND DISK	--OE--	= OVERHEAD UTILITY LINE
CB	= CATCH BASIN	NAVD 88	= NORTH AMERICAN VERTICAL DATUM 1988	+20.0	= SPOT ELEVATION
Δ	= DELTA ANGLE	OR	= OFFICIAL RECORDS BOOK		
℄	= CENTER LINE	PB	= PLAT BOOK		
CONC	= CONCRETE	PG	= PAGE		
CMP	= CORRUGATED METAL PIPE	R/W	= RIGHT OF WAY		
CPP	= CORRUGATED PLASTIC PIPE	RCP	= REINFORCED CONCRETE PIPE		
DB	= DEED BOOK	RNG	= RANGE		
DUE	= DRAINAGE AND UTILITY EASEMENT	S/W	= SIDEWALK		
ELEV	= ELEVATION	SEC	= SECTION		
EOP	= EDGE OF PAVEMENT	TOB	= TOP OF BANK		
EXIST	= EXISTING	TOE	= TOE OF SLOPE		
FIRC	= FOUND IRON ROD AND CAP	TWP	= TOWNSHIP		

TOPOGRAPHIC SURVEY-PLAN VIEW

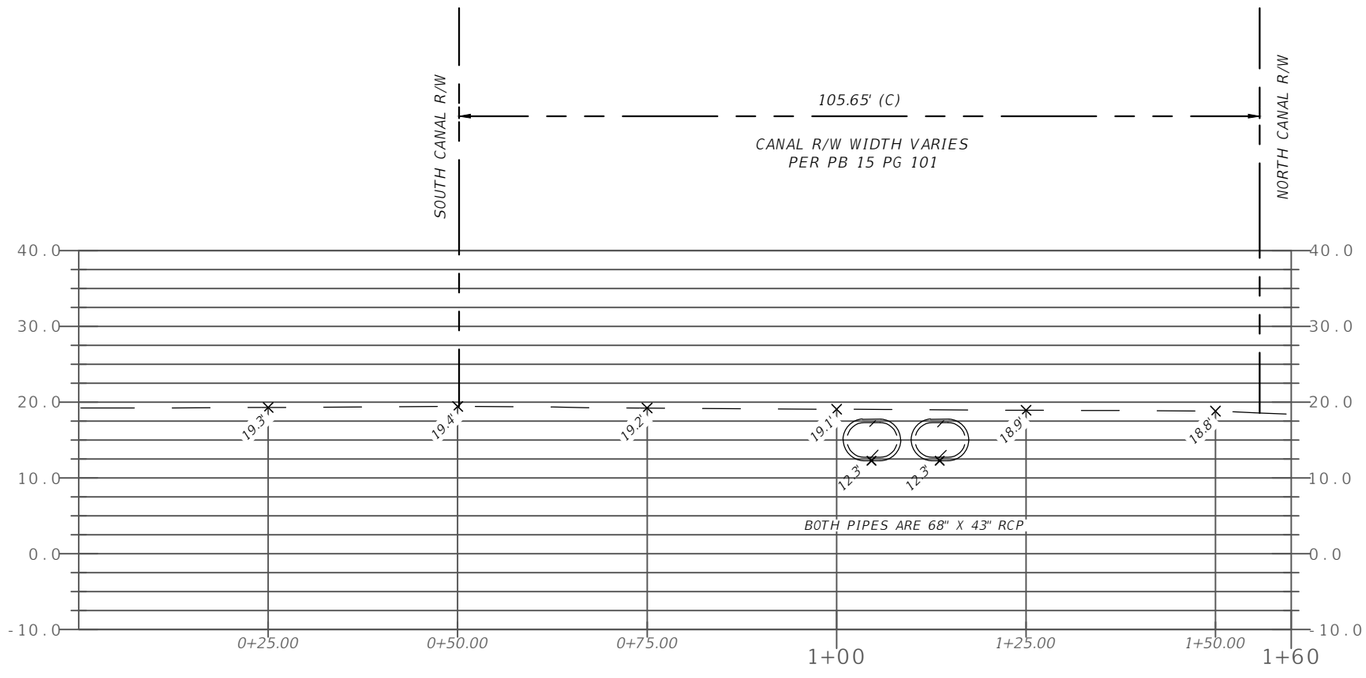
McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name:	Field book/page:	Project No.:
L043-2321 Fitch Ave.dwg	106981-1/46	106980001-L097

Survey date:	Drawn by:	Checked by:	Sheet No.:
04/06/2026	KB	TJH	01 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L043-2321 FITCH AVE\L043-2321 Fitch Ave.dwg

Topographic Survey of a
Subject Project Site
Section 36, Township 43 South, Range 27 East
& Section 01, Township 44 South, Range 27 East
Lehigh Acres, Lee County, Florida



A-A Profile View
1" = 20' HORIZONTAL
1" = 20' VERTICAL

SEE SHEET 01 FOR LEGEND

Fitch Avenue, Lehigh Acres

TOPOGRAPHIC SURVEY-PROFILE VIEW

McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name:	Field book/page:	Project No.:
L043-2321 Fitch Ave.dwg	106981-1/46	106980001-L097

Survey date:	Drawn by:	Checked by:	Sheet No.:
04/06/2026	KB	TJH	02 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L043-2321 FITCH AVE\L043-2321 Fitch Ave.dwg

NOTE:

1. This Index applies to Two-Lane, Two-Way and Multilane Roadways, including Medians of divided roadways, with work on the shoulder.

2. L = Taper Length
   X = Work Zone Sign Spacing
   B = Buffer Length
   See Index 102-600 for "L", "X", "B", and channelizing device spacing values.

3. Where work activities are between 2' and 15' from the edge of traveled way, the Engineer may omit signs and channelizing devices for work operations 60 minutes or less.

4. When four or more work vehicles enter the through traffic lanes in a one hour period (excluding establishing and terminating the work area), use a flagger or lane closure to accommodate work vehicle ingress and egress.

5. For work less than 2' from the traveled way and work zone speed is greater than 45 MPH, use a lane closure.

6. The "Speeding Fines Doubled When Workers Present" signs (M0T-13-06) and "End Road Work" Signs (G20-2) along with the associated work zone sign spacing distances may be omitted when the work operation is in place for 24 hours or less.

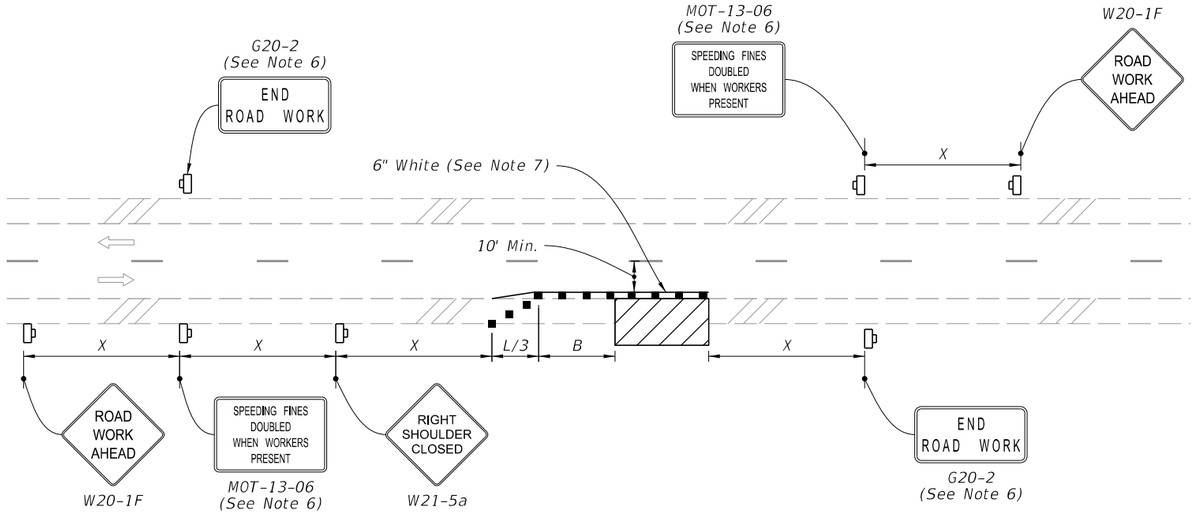
7. Temporary pavement markings may be omitted when the work operation is in place for 3 days or less.

8. Omit "Shoulder Closed" signs (W21-5a) along with associated work zone sign spacing distances for work on the median.

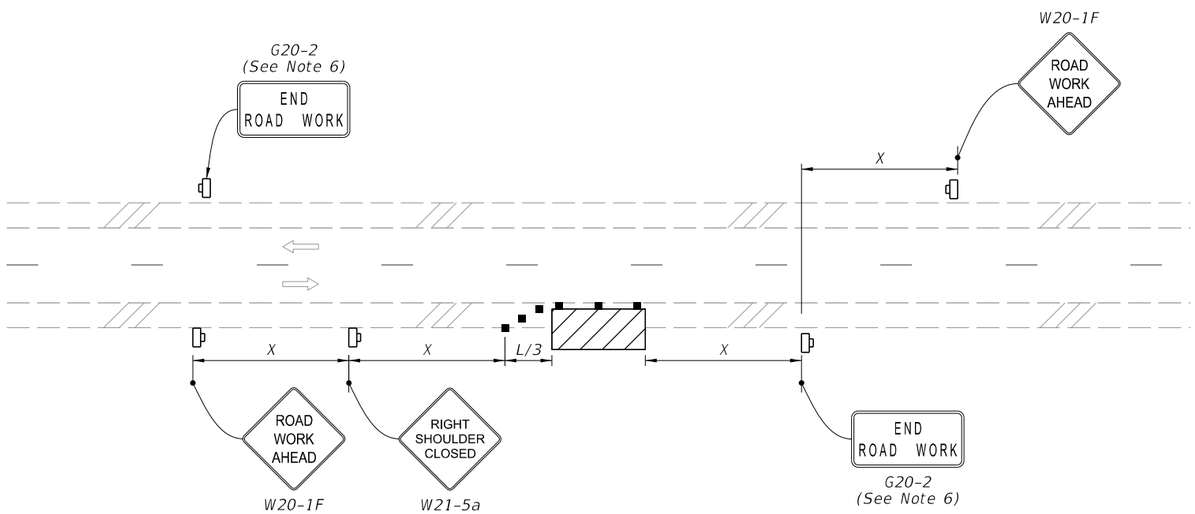
9. When there is no paved shoulder, the "Worker" sign (W21-1) may be used instead of the "Shoulder Closed" sign (W21-5a).

SYMBOLS:

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Lane Identification and Direction of Traffic



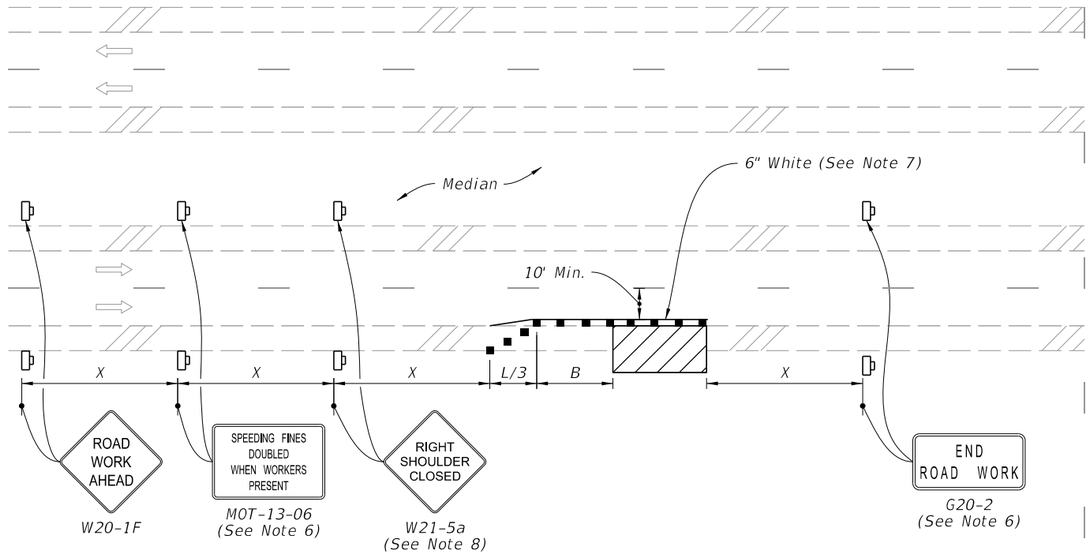
TWO-LANE ROADWAY
SHOULDER WORK LESS THAN 2' FROM THE TRAVELED WAY
WITH WORK ZONE SPEED OF 45 MPH OR LESS



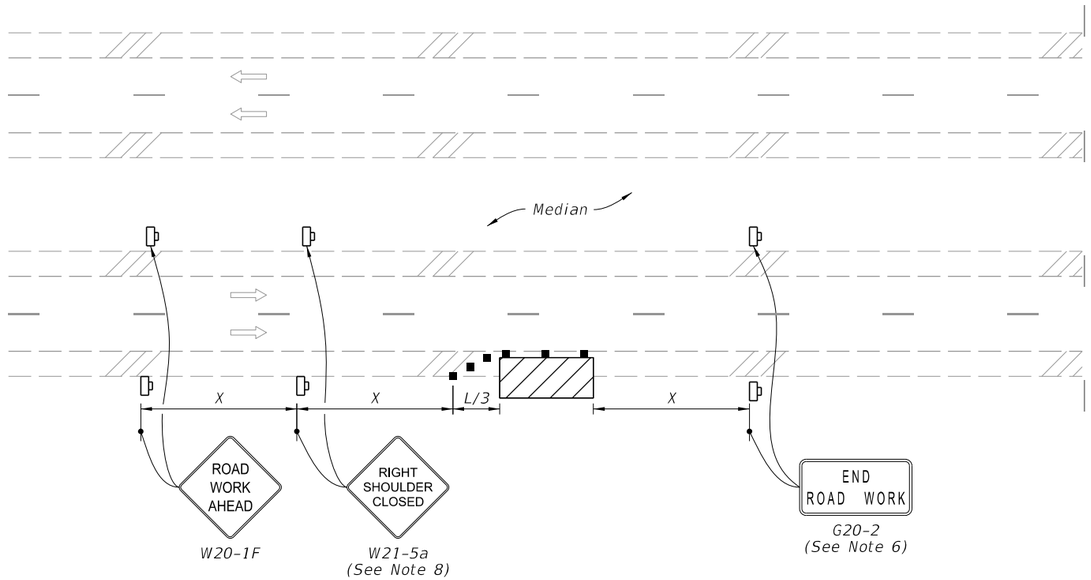
TWO-LANE ROADWAY
SHOULDER WORK BETWEEN 2' AND 15' FROM THE TRAVELED WAY

9/10/2024 10:45:37 AM

LAST REVISION	REVISION	DESCRIPTION:			INDEX	SHEET
11/01/21			FY 2025-26 STANDARD PLANS	TWO-LANE AND MULTILANE, WORK ON SHOULDER	102-602	1 of 2



MULTILANE ROADWAY
SHOULDER WORK LESS THAN 2' FROM THE TRAVELED WAY
WITH WORK ZONE SPEED OF 45 MPH OR LESS



SYMBOLS:

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Lane Identification and Direction of Traffic

MULTILANE ROADWAY
SHOULDER WORK BETWEEN 2' AND 15' FROM THE TRAVELED WAY

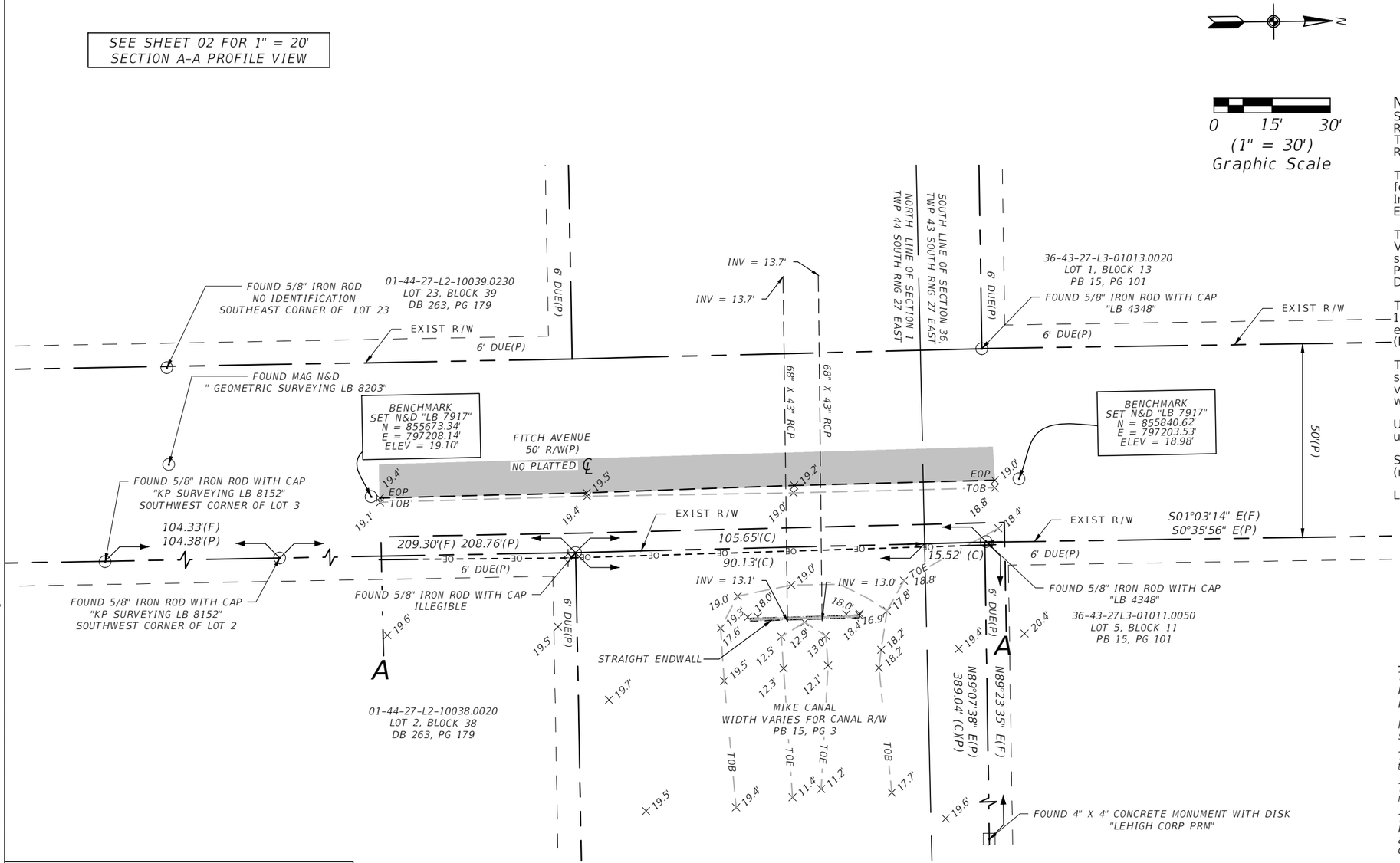
9/10/2024 10:45:44 AM

LAST REVISION	REVISION	DESCRIPTION:				
11/01/20			FDOT FY 2025-26 STANDARD PLANS	TWO-LANE AND MULTILANE, WORK ON SHOULDER	INDEX 102-602	SHEET 2 of 2

Topographic Survey of a Subject Project Site

LYING WITHIN

Section 36, Township 43 South, Range 27 East
& Section 1, Township 44 South, Range 27 East
Lehigh Acres, Lee County, Florida



NOTES:

Survey based on the plat of SE 1/4 of Section 36 Township 43 South, Range 27 East as recorded in Plat Book 15 Page 101 and Section 1 Township 44 South Range 27 East in Plat Book 15, Page 4 Public Records of Lee County, Florida and existing monumentation.

This survey is a Topographic Survey for the purpose of locating the features within and adjacent to the Lehigh Acres Municipal Services Improvement District-managed facility East of Fitch Avenue between East 24th Street and East 23rd Street.

The elevations shown hereon are referenced to the North American Vertical Datum of 1988 (NAVD 1988). All elevations are reported in US survey feet and decimals thereof and are based upon the Florida Permanent Reference Network (FPRN) stations maintained by the Florida Department of Transportation.

The subject site lies within Zone "X" per FEMA insurance rate map 125124 0329G (Published 11/17/2022), therefore has no base flood elevation and Zone "AE" per FEMA insurance rate map 125124 0337F (Published 08/28/2008), having a base flood elevation of 19 feet.

The FEMA flood zone information indicated hereon is based on the maps supplied by the Federal Government. This flood information must be verified with all permitting regulatory entities prior to commencing any work or application dependent on said flood information.

Underground improvements, utilities and/or foundations were not located unless otherwise noted. Wetlands, if any, were not located.

Subject to easements, restrictions, reservations, and rights-of-way (recorded and unrecorded, written and unwritten).

Last day of field work: 04/06/2026

TAYLOR J. HENNINGE License Number 7279 STATE OF FLORIDA Professional Surveyor and Mapper

TAYLOR J. HENNINGE
PROFESSIONAL SURVEYOR AND MAPPER
FLORIDA CERTIFICATE NO. LS# 7279

Not valid without the signature and the original seal of a Florida licensed surveyor and mapper.

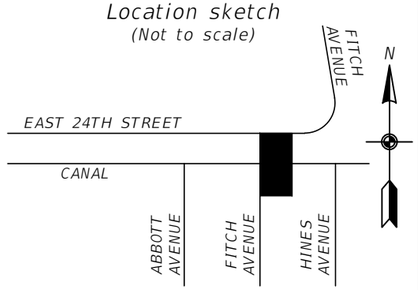
This survey is only for the lands as described. It is not a certificate of title, zoning, easements or freedom of encumbrances.

This survey was prepared without benefit of an abstract of title and all matters of title should be referred to an attorney at law.

This survey has been electronically signed and sealed by Taylor J. Henninge using a digital signature and date. Print copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Fitch Avenue, Lehigh Acres

Location sketch
(Not to scale)



LEGEND:

(C)	= CALCULATED	INST#	= INSTRUMENT NUMBER	(TYP)	= TYPICAL
(F)	= FIELD MEASURED	INV	= INVERT ELEVATION	⊙	= FOUND MONUMENT
(P)	= PER PLAT	N&D	= NAIL AND DISK	--OE--	= OVERHEAD UTILITY LINE
CB	= CATCH BASIN	NAVD 88	= NORTH AMERICAN VERTICAL DATUM 1988	+20.0	= SPOT ELEVATION
Δ	= DELTA ANGLE	OR	= OFFICIAL RECORDS BOOK		
℄	= CENTER LINE	PB	= PLAT BOOK		
CONC	= CONCRETE	PG	= PAGE		
CMP	= CORRUGATED METAL PIPE	R/W	= RIGHT OF WAY		
CPP	= CORRUGATED PLASTIC PIPE	RCP	= REINFORCED CONCRETE PIPE		
DB	= DEED BOOK	RNG	= RANGE		
DUE	= DRAINAGE AND UTILITY EASEMENT	S/W	= SIDEWALK		
ELEV	= ELEVATION	SEC	= SECTION		
EOP	= EDGE OF PAVEMENT	TOB	= TOP OF BANK		
EXIST	= EXISTING	TOE	= TOE OF SLOPE		
FIRC	= FOUND IRON ROD AND CAP	TWP	= TOWNSHIP		

TOPOGRAPHIC SURVEY-PLAN VIEW

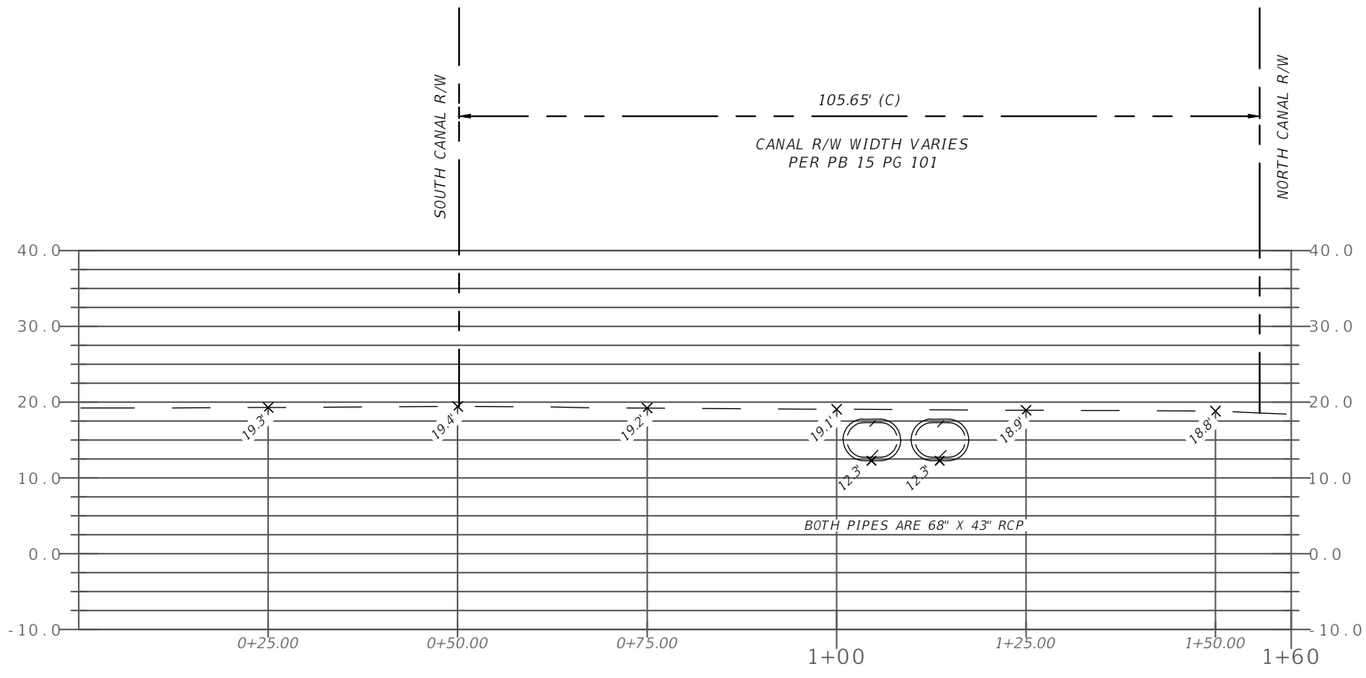
McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name:	Field book/page:	Project No.:
L043-2321 Fitch Ave.dwg	106981-1/46	106980001-L097

Survey date:	Drawn by:	Checked by:	Sheet No.:
04/06/2026	KB	TJH	01 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L043-2321 FITCH AVE\L043-2321 Fitch Ave.dwg

Topographic Survey of a
Subject Project Site
Section 36, Township 43 South, Range 27 East
& Section 01, Township 44 South, Range 27 East
Lehigh Acres, Lee County, Florida



A-A Profile View
1" = 20' HORIZONTAL
1" = 20' VERTICAL

SEE SHEET 01 FOR LEGEND

Fitch Avenue, Lehigh Acres

TOPOGRAPHIC SURVEY-PROFILE VIEW

McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name:	Field book/page:	Project No.:
L043-2321 Fitch Ave.dwg	106981-1/46	106980001-L097

Survey date:	Drawn by:	Checked by:	Sheet No.:
04/06/2026	KB	TJH	02 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L043-2321 FITCH AVE\L043-2321 Fitch Ave.dwg

Petition to Vacate
Petition No:2000-00066
Description:12ft wide PUE; See CCMB
Resolution No:01-01-17
Description:12ft wide PUE Lots 10&11, Block 6, Unit 2
Resolution No:01-01-17
CCMB:2001R Page:20
Recorded on:01/23/01 OR Book:3354 Page:2849-2852

Petition to Vacate
Petition No:2002-00045
Description:12ft drainage & public utility easement
See CCMB
Date of Approval:11/26/02
Resolution No:02-11-64
CCMB:2002R Page:787
Recorded on:04/29/03 OR Book:3916
Page:4342-4347



PLAT OF UNITS
1·2·3·4·5·6·10·11·12
OF
SECTION 1
TWP. 44 S · RGE 27E

A SUBDIVISION OF

"LEHIGH ACRES"

LEE COUNTY, FLA.

LEE COUNTY LAND & TITLE CO. DEVELOPERS

SCALE

FEB 17, 1956

UNIT BOUNDARY

"CERTIFICATE OF SURVEY"

I THE UNDERSIGNED HEREBY CERTIFY THAT THE PLAT AS SHOWN IS A CORRECT REPRESENTATION OF THE LAND PLATTED AND THAT PERMANENT REFERENCE MONUMENTS HAVE BEEN PLACED AS SHOWN

Earl S. Roy Tice Fla.
FLORIDA REC'D LAND SURVEYOR 673
ENGINEER C80

NOTE:
ALL LOTS SUBJECT TO A 6' UTILITY EASEMENT ON ALL SIDES OF LOT.
INTERIOR RM'S ARE 4"x4"x24" CONCRETE.
SECTION COR RM'S ARE 6"x6"x36" CONCRETE.
ALL LOTS EQUAL ½ ACRE

NOTE
DIMENSIONS, BEARINGS, LOT AND LAND LINES ON DRAWING OF LATEST DATE SHALL GOVERN.

Petition to Vacate
Description:For vacation
CCMB:15 Page:104

Petition to Vacate
Description:For Vacation
CCMB:15 Page:3

Petition to Vacate
Petition No:95-07-153.04R
Description:A 12ft wide utility easement
See CCMB
Date of Approval:09/06/95
Resolution No:95-09-09
CCMB:1995R Page:591
Recorded on:09/27/95 OR Book:2638 Page:0382-0386

PLAT OF

LEHIGH ACRES

LEE COUNTY, FLORIDA

LEE COUNTY LAND AND TITLE COMPANY

DEVELOPERS

ACKNOWLEDGEMENTS

KNOW ALL MEN BY THESE PRESENTS, THAT LEE COUNTY LAND AND TITLE COMPANY, A CORPORATION UNDER THE LAWS OF FLORIDA, BEING THE OWNER OF THE LAND DESCRIBED IN THE CAPTION HEREON HAS CAUSED THIS PLAT OF LEHIGH ACRES TO BE MADE AND DO HEREBY DEDICATE TO THE PERPETUAL USE OF THE PUBLIC STREETS, ROADS, DRIVES AND/OR LANES SHOWN HEREON AND ALL CANAL RIGHT OF WAYS SHALL BE DEDICATED TO THE EAST COUNTY WATER CONTROL DISTRICT.

IN WITNESS WHEREOF GERALD H. GOULD AND EDWARD SHAPIRO, RESPECTIVELY PRESIDENT AND SECRETARY OF LEE COUNTY LAND AND TITLE COMPANY, BY AND WITH AUTHORITY OF IT'S BOARD OF DIRECTORS HAVE EXECUTED THESE PRESENTS FOR AND ON BEHALF OF SAID CORPORATION AND CAUSED IT'S CORPORATE SEAL TO BE AFFIXED THIS 10th DAY OF April A.D. 1961

LEE COUNTY LAND AND TITLE CO.

BY Gerald H. Gould
President

ATTEST Edward Shapiro
Secretary

STATE OF FLORIDA
COUNTY OF LEE

I HEREBY CERTIFY THAT ON THIS DAY, BEFORE ME AN OFFICER DULY AUTHORIZED TO TAKE ACKNOWLEDGEMENTS, PERSONALLY APPEARED GERALD H. GOULD AND EDWARD SHAPIRO, RESPECTIVELY PRESIDENT AND SECRETARY OF LEE COUNTY LAND AND TITLE COMPANY, TO ME KNOWN TO BE THE PERSONS DESCRIBED IN AND WHO EXECUTED THE FOREGOING DEDICATION AS PRESIDENT AND SECRETARY RESPECTIVELY OF LEE COUNTY LAND AND TITLE COMPANY FOR THE PURPOSES THEREIN SET FORTH.

WITNESS MY HAND AND OFFICIAL SEAL AT FORT MYERS, SAID COUNTY AND STATE THIS 10th DAY OF April A.D 1961

Jean Welchler
NOTARY PUBLIC STATE OF FLORIDA AT LARGE
My Commission Expires July 19, 1964

APPROVALS

THIS PLAT APPROVED THIS 12 DAY OF April A.D. 1961 IN OPEN MEETING OF THE BOARD OF COUNTY COMMISSIONERS OF LEE COUNTY, FLORIDA.

APPROVED Gloria S. Hunter
Chairman

D. L. Farahee
Clerk

County Attorney

Stacy Bruce
County Road Superintendent

260798

I HEREBY CERTIFY THAT THIS PLAT OF LEHIGH ACRES, HAS BEEN EXAMINED BY ME AND FROM MY EXAMINATION I FIND THAT SAID PLAT COMPLIES IN FORM WITH THE REQUIREMENTS OF SURVEY LAWS OF FLORIDA.

I FURTHER CERTIFY THAT SAID PLAT WAS FILED FOR RECORD AT FORT MYERS THIS 13 DAY OF April A.D. 1961, AND DULY RECORDED IN PLAT BOOK 15 ON PAGES 1-101 OF PUBLIC RECORDS OF LEE COUNTY, FLORIDA.

D. L. Farahee
Clerk Of The Circuit Court In And For Lee County

SURVEYORS CERTIFICATE

I THE UNDERSIGNED CERTIFY THAT THE PLAT AS SHOWN IS A CORRECT REPRESENTATION OF THE LANDS PLATTED.

R. V. Jamme

PLAT OF

LEHIGH ACRES

LEE COUNTY, FLORIDA

LEE COUNTY LAND AND TITLE COMPANY

DEVELOPERS

DESCRIPTION

TOWNSHIP 43 SOUTH, RANGE 27 EAST

The Southeast 1/4 of Section 36

TOWNSHIP 44 SOUTH, RANGE 27 EAST

The South 1/2 and the North 1/2 of the North 1/2 of Section 1; the East 1/2 and the East 1/2 of the Northwest 1/4 and the Southwest 1/4 of the Northwest 1/4 of Section 2; the South 1/2 of Section 7, 8 and 9; all of Sections 11 through 21 inclusively and all of Sections 23 through 28 inclusively; all of Section 29 except that part lying South of the South Right of Way of Able Canal; all of Sections 35 and 36 inclusively; all of Section 32 except the following: Units 1, 2 and 3 of Section 32 as recorded on pages 124, 125 and 126 of Plat Book 9. Units 4, 5, 7, 10, 11 and 18 of Section 32 as recorded on Pages 50 through 55 inclusively of Plat Book 12. Unit 20 of Section 32 as recorded on Pages 86 through 89 inclusively of Plat Book 10. Part of Unit 3 as recorded on Page 23 of Plat Book 12. Addition to Unit 20 as recorded on Pages 36 and 37 of Plat Book 13 all of the Public Records of Lee County, and all of section 33 except the following: Units 4 and 10 of Section 33 as recorded on Page 52 of Plat Book 12. Unit 5 of Section 33 as recorded on Page 29 of Plat Book 12. Bear Lake Subdivision as recorded on Pages 38 and 39 of Plat Book 13. Replat of Lots 1 through 6, Block 4e, Section 33, Township 44 South, Range 27 East as recorded on Page 84 of Plat Book 12 all of the Public Records of Lee County and that part of Section 34 described as Follows; Beginning at the Northwest Corner of Section 34, Township 44 South, Range 27 East go North 89°-12'-26" East, 1919.76 feet; thence South 00° 06'-48" East, 1468.91 feet; thence South 89°-12'-26" West, 1919.76 feet; thence North 00°-06'-48" West, 1468.91 feet to the Point of beginning; and that part of section 34, Twp. 44 S., Rge 27 E., described as follows: commencing at the Southwest corner of Section 34; thence North 00°-06'-48" West along the West line of said Section 1403.40 feet to the Northerly right of way line of Joel Boulevard; thence North 88°-58'-52" East along said Northerly right of way 15.80 feet to the P.C. of a curve; thence Northeasterly on a tangential curve to the left, with a radius of 676.18 feet, a distance of 400.21 feet, to the P.T. of said curve, thence North 55°-05'-58" East, continuing along said Northerly right of way of Joel Boulevard, 1012.50 feet to the Southwesterly right of way of David Avenue, said point also being the actual point of beginning of the tract of land to be described; thence North 34°-54'-02" West along said southwesterly right of way line 1610 feet; thence North 55°-05'-58" East, a distance of 200 feet; thence South 34°-54'-02" East, a distance of 90 feet; thence North 55°-05'-58" East, a distance of 175 feet; thence North 87° 55'-40" East, a distance of 184.45 feet; thence South 34°-54'-02" East, a distance of 185 feet; thence South 55°-05'-58" West, a distance of 280 feet; thence South 34°-54'-02" East, a distance of 375 feet; thence South 55°-05'-58" West, a distance of 200 feet; thence South 34°-54'-02" East, a distance of 860 feet; thence South 55°-05'-58" West, a distance of 50 feet, to the actual Point of Beginning; and all of Section 22 lying West of the West right of way line of Gerald Avenue as shown on the Plat of a Subdivision of Part of Lehigh Acres recorded on Pages 50 through 55 inclusively of Plat Book 12 of the Public Records of Lee County, Florida.

TOWNSHIP 44 SOUTH, RANGE 26 EAST

All of Sections 1, 2, 11, 12, 13, 23, 24, 26, 27, 32, 33, 34, 35, and 36; and the South 1/2 of Sections 29 and 30; and the South 100 feet of the North 1/2 of Section 30; and the East 1/2 of Section 14; the South 1/2, and that part of the North 1/2 of Section 28, lying East of Buckingham Road; all of Block E, Lot 1, Block 38 of Buckingham Park, south section as recorded in Plat Book 9, Page 99 of the Public Records of Lee County, Florida, and all that part of Section 22 lying South and West of the southerly right of way of Homestead Road, except Lots 1 through 7 inclusively, Block 37 of Buckingham Park south section as recorded in Plat Book 9, Page 99 of the Public Records of Lee County, Florida; and that part of Section 31, lying North of the Northerly right of way of State Road 82; and all of Section 25 except Units 3 and 6 and Units 11 and 12 as recorded in Plat Book 13, Pages 21, 22 and 23 of the Public Records of Lee County, Florida.

TOWNSHIP 45 SOUTH, RANGE 26 EAST

All of Sections 1, 2, 3 and 12, all of that part of sections 4, 5, 6, 9, 10, 11, 13 and 14 lying North of the Northerly right of way of State Road 82.

PART IV #26-111

Recommended Action

Engineering Review:

By: _____6/18/2026 **Approved _X_ Denied __**

District Field Review:

By: _____ Approved ___ Denied ___

District Manager: _____ Date: _____

Comments:

The referenced permit application submitted by Lumos Fiber of Florida, LLC for a subaqueous crossing under Mike Canal (47-1-2) at 2321 Fitch Ave. in Lehigh Acres, has been reviewed and is recommended for approval with the following stipulations:

1. On sheet 7 of the plans, please remove or modify dimensions of 17.0' and 17.6', as well as make the bore elevations (1.8') more noticeable to avoid construction site mistakes.

2. On sheet 7 of the plans, minimum 10' offset from canal bottom, Disturbed R/W sodding requirements, and 48" minimum bore offsets from pavement notes are missing, please revise.

3. On sheet 11 of the plans, the culvert crossing detail specifies 24" minimum offset from culvert, if the detail is depicting a canal crossing, the offset should be 120" or 10'. If not, please include a note to clarify that the details do not apply to LA-MSID canal crossing.

4. Permanent above-ground cable markers must be placed at the canal right-of-way (R/W) line on each side of the crossing.

5. Any disturbed canal R/W must be restored with sod and maintained until fully established. Seeding will not be permitted.

6. Within 30 days of completing the improvements, provide LA-MSID with a copy of the survey record drawings indicating the location and elevation of utilities within the canal R/W.

7. The permittee will be responsible for any necessary repairs, alterations, or relocation of the utility if required for future maintenance or repairs of the canal.

8. Lee County DOT must review and approve any utility work proposed within the County Road R/W.

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

AGENDA ITEM SUMMARY

Subject: PER #26-112 – LCEC Aerial Crossing George Canal (47-20-1) at Williams Ave

Meeting Date: July 20, 2026

Agenda Item # 2I

[x] **CONSENT** [ ] **ACTION** [ ] **OLD BUSINESS** [ ] **NEW BUSINESS**

Request Initiated By: [ ] **COMMISSIONER** _____ [ ] **ATTORNEY**

[ ] **BOARD** [x] **MANAGER** [ ] **ENGINEER** [ ] **AUDITOR**

Recommended motion: Move to approve PER #26-112 – LCEC Aerial Crossing George Canal (47-20-1) at Williams Ave, with any listed stipulations.

What the action accomplishes: Allows LCEC to build an aerial crossing over George Canal while ensuring that the lowest wire stays at least 40 feet above natural ground.

Fiscal Impact: Permit Fees: $2,280.00

Staff comments: Approved according to the plans submitted June 15, 2026.

Staff review and recommended approval:

[x] **MANAGER** [ ] **ASSISTANT DISTRICT MGR**

[ ] **ATTORNEY** [ ] **FIELD SUPERINTENDENT**

[x] **ENGINEER** [x] **CONTROLLER**

Board Action:

[ ] **APPROVED** [ ] **DENIED** [ ] **DEFERRED**

LEHIGH ACRES - MUNICIPAL SERVICES IMPROVEMENT DISTRICT
PERMIT

THIS PERMIT is granted this 20th day of July, 2026, by Lehigh Acres Municipal Services Improvement District (hereinafter referred to as "DISTRICT"), 601 East County Lane, Lehigh Acres, Florida 33936, to LCEC, 4980 Bayline Drive, North Fort Myers, FL 33917, hereinafter referred to as the "Permittee") as a non-exclusive permit for a proposed aerial powerline crossing over George Canal (47-20-1), along the east side of Williams Ave., between W. 8th St. & W. 7th St., in Lehigh Acres, FL.

W I T N E S S E T H:

1. In the event the DISTRICT is not the fee title owner of the real property (the "Property") to which this Permit is applicable, the Permittee agrees, prior to commencement, to obtain all necessary consents from the fee title owners of the Property.

2. This Permit does not constitute a waiver of the necessity by the Permittee to obtain such other necessary and appropriate permits required by other governmental bodies or agencies; therefore the Permittee, prior to commencement, is required to obtain any and all other applicable federal, state, and local permits required in connection with Permittee's use of the Property and agrees that at all times it will comply with the requirements of all federal, state and local laws, ordinances, rules and regulations applicable or pertaining to the use of the Property by the Permittee.

3. Permittee understands and agrees that the use of the Property pursuant to this Permit is subordinate to the rights and interests of the DISTRICT and to the extent applicable that of the fee title owner of the Property. Further, Permittee does hereby stipulate that the Permittee is not relying upon any representations whatsoever by the DISTRICT regarding the DISTRICT'S right, title, interest, or ownership as to the Property for which this Permit is applicable.

4. The Permittee, by accepting this permit, specifically agrees to allow authorized District Personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:
    a. Having access to and copying any records that must be kept under the conditions of the permit:
    b. Reviewing the facility, equipment, practices, or operations regulated or required under this permit; and
    c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or District rules.

5. The DISTRICT specifically reserves the right to maintain its facilities located over, under or upon the Property; to make improvements; add additional facilities; maintain, construct or alter its roads; maintain any facilities, devices, or improvements on the Property which aid in or are necessary to the DISTRICT'S operation; and the right to enter upon the Property at all times for such purposes. Permittee understands that in the exercise of such rights and interest, the DISTRICT may require Permittee, at no cost to DISTRICT, to relocate, alter, or remove the Permittee's facilities and equipment or other improvements made by Permittee pursuant to this Permit which interfere with or prevent the DISTRICT, in the DISTRICT'S opinion, from properly and faithfully constructing, improving and maintaining its facilities. If the Permittee should fail to relocate, alter, or remove the Permittee's facilities, equipment or other improvements made by the Permittee pursuant to this Permit within a reasonable time period following receipt of notice from the DISTRICT requesting same, then in that event the DISTRICT shall have the right to enter upon the lands and make such relocation, alterations or removal of the Permittee's facilities, equipment/or other improvements at no cost to DISTRICT.

6. Permittee agrees that it will not use the Property in any manner which interferes with the DISTRICT'S

use of the Property or causes a hazardous condition to exist.

7. The DISTRICT assumes no responsibility for the ownership, operation and/or maintenance of the Permittee's facilities as permitted herein.

8. The Permittee agrees to backfill any excavation it makes within the Property and to repair or replace (i) any below-grade authorized facilities and features located therein, including but not limited to: water, sewer, stormwater or irrigation facilities, structures or appurtenances and (ii) as to at or above-grade facilities and features, this requirement shall only be applicable to grasses and sod, sidewalks, and roadway improvements (the term roadway improvements shall include but not be limited to curbing, roadway base, sub grade and asphaltic or concrete surfaces) which are removed or damaged as a direct result of said excavation. Such repair or replacement shall substantially restore these features to their condition as it existed immediately prior to the event precipitating the excavation.

9. All below-grade Permittee installations, including water and sewer lines, whether sub aqueous or not, together with appurtenant facilities, shall be located underground and have a minimum ground cover of thirty inches (30") below original design profile grade, including District waterways and roadways.

10. All Permittee activity related to sub aqueous utility, water and/or sewer lines, including appurtenant facilities, shall be conducted in such fashion that the primary functional purpose of the canal or lake body facility, specifically flood control, within which the activity is taking place is not adversely affected. More specifically, sub aqueous construction shall conform to the criteria given in the Lehigh Acres Municipal Services Improvement District (Lehigh Acres – MSID) Administrative Policy and Procedures.

11. Permittee shall, at no expense to DISTRICT and within a reasonable time following notice, adjust the positions and elevations of its facilities as may be required in connection with future improvements to, or construction of, works of the DISTRICT.

12. Permittee does hereby indemnify and hold harmless the DISTRICT, its Board of Commissioners, officers, personnel, and it's Engineers against any claims, losses, damages (including consequential), expenses, or legal fees that might arise out or result from the implementation of the proposed project by the Permittee or that may be caused by a failure of DISTRICT facilities or property.

13. The Permittee shall be obligated at the time of submission of its Permit application, to provide a detail of any other existing improvements located over, under, upon or through the Property and the Permittee's accompanying plans and specifications shall clearly indicate how the Permittee will comply with required clearances between the requested permitted activity and existing improvements located over, under and upon the Property, including compliance with other permitted users duly adopted and published standards.

14. Permittee shall reimburse the DISTRICT for its legal, engineering and other expenses incurred as a result of the implementation of the proposed project.

15. If Permittee should violate any of the terms or conditions of the Permit and shall not correct or remedy same within ten (10) days of receiving written notice of said violation from the DISTRICT, then in that event, the DISTRICT may, at its option, revoke, cancel and terminate this Permit.

16. This Permit may not be assigned by the Permittee without the prior written approval of the DISTRICT.

17. Unless otherwise adjusted, modified or terminated as set forth hereinabove, including the Conditions attached hereto, this Permit shall continue in full force and effect so long as Permittee complies with the

terms of this Permit.

18. In any litigation, including breach, enforcement or interpretation arising out of this Permit, the prevailing party to this Permit shall be entitled to recover reasonable attorney's fees, costs and expenses related to said action from the non-prevailing party.

19. That attached hereto are Supplemental Conditions to this Permit which are incorporated herein and made a part hereof.

LEHIGH ACRES – MUNICIPAL SERVICES IMPROVEMENT DISTRICT

BY: _____

NAME TYPED: David E. Lindsay

TITLE: District Manager

SUPPLEMENTAL CONDITIONS TO PERMIT NO. 26-112

A. GENERAL CONDITIONS

1. Notification shall be given by the Permittee to the District Engineer, AIM Engineering, at 239-332-4569 forty-eight (48) hours prior to commencement of the permitted activity. The District Engineer shall establish points of construction, if applicable, which will require inspection by the District Engineer prior to construction of the permitted activity. When the Permittee considers the permitted activity complete, the Permittee shall notify the District Engineer and schedule an on-site final inspection which shall be held in the presence of a representative of the Permittee and the District Engineer.

2. The permitted activity shall be implemented, constructed and/or installed in full accordance with the approved plans and specifications within six (6) full calendar years from the date of permit approval. Deviations from the approved plans or specifications shall be coordinated with and approved by the District Engineer prior to implementation of any such deviation.

3. When working in a District road right-of-way, not more than one-half (½) of the road or street shall be closed and traffic shall be controlled so as to provide for the safety and minimum hindrance to the public. All traffic control operations shall conform to the most current issue of the Florida Department of Transportation publication "Manual on Traffic Controls and safe Practices for Street and Highway Construction, Maintenance and Utility Operations."

4. The District Engineer shall be the final authority as to the quality and quantity of the material and works required to satisfy the terms and conditions of this Permit as they relate to District improvements and facilities.

5. Upon completion of the permitted activity and after its final review and acceptance by the District Engineer THE PERMITTEE SHALL DELIVER TO THE DISTRICT OFFICE ONE COMPLETE SET OF THE FINAL "RECORD DRAWINGS." FAILURE TO PROVIDE THE FINAL RECORD DRAWINGS MAY RESULT IN THE REVOCATION, CANCELLATION AND TERMINATION OF THIS PERMIT.

6. The above Conditions shall be continuing obligations of the Permittee and shall be complied with in the event of any subsequent maintenance, repair, replacement or modification of the permitted improvement.

Stipulations:

1). Permit #26-112 is approved according to the plans submitted June 15th, 2026.

2). The proposed aerial crossing must maintain a minimum clearance of 40 feet above the elevation of the top of the canal bank as measured from the final sag point, in accordance with the District's standards.

3). All guy wires, poles, pull boxes, etc. must be located outside of the canal right of way and not interfere with the District's canal maintenance activities.

4). All canal R/W that is disturbed must be restored with sod and maintained until well established (no seeding will be allowed).

5). The Permittee will be responsible for any repairs, alterations, or relocation of the utility if required for repairs or maintenance of the canal in the future.

6). Provide LAMSID with a copy of your record drawings showing where your utilities are located in relation to the canal R/W and at what elevation they are located, within 30 days following completion of the improvements.

7). Lee County DOT must review and approve the utility work that is outside of the canal right of way along Williams Ave.

06-05-26

26-112

APPLICATION FOR A PERMIT

*Note: The review of permit applications will be conducted per the Lehigh Acres Municipal Services Improvement District's Administrative Policy and Procedures

AGENT NAME: Jaisheelraj Bommala (LCEC) **PHONE #:** (239) 744-7965

PROJECT NAME: OH Transmission Line Crossing on George Canal

TOTAL ACREAGE:

Property Address (STRAP associated with this address will be used as the primary STRAP for this project): 720 WILLIAMS AVE,LEHIGH ACRES FL 33972

Mailing Address:

City: LHA **State:** FL **Zip:**

STRAP NUMBERS (*attach additional sheet if necessary*)**:**

2	9	-	4	4	-	2	7	-	L	1	-	1	2	0	4	8	-	0	0	2	0

Brief description of proposed project:

Application for:

Proposed Overhead facilities, 3 wire, 138kV

RECEIVED

JUN 15 2026

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

Is the project proposed to be developed in phases? No

Estimated # of Phases:		
***Permit Fee:**	$2,280.00	**(to be verified by staff)**

* See Administrative Policy and Procedures Sections 4.15 – 4.17 for current Permit Fee Amount.

PART II

OWNER/APPLICANT/ DEVELOPER INFORMATION

A.

Name of Applicant	LCEC						
Mailing Address:	**Street:**	PO BOX 3455					
City:	North Fort Myers	**State:**	FL			**Zip:**	33918-3455
Phone No.	**Area Code:**	239	**Number:**	744 - 7965		**Ext.**	
Fax No.	**Area Code:**		**Number:**	-			
E-mail Address:	jai.bommala@lcec.net						

B. Relationship of applicant to property*:
Owner* - LCEC **Option holder*** **Lessee***

Trustee* **Contract** **Other (indicate)***

Purchaser* **C.**

Name of Developer:							
Mailing Address:	**Street:**						
City		**State:**				**Zip:**	
Phone No.	**Area Code:**	( )	**Number:**	-		**Ext.**	
Fax No.	**Area Code:**	( )	**Number:**	-			
E-mail Address:							

D.

Name of Authorized Agent(s):					
Mailing Address:	Street:				
City		State:		Zip:	
Phone No.	Area Code: ( )	Number:	-	Ext.	
Fax No.	Area Code: ( )	Number:	-		
E-mail Address:					

E.

Name of Property Owner:					
Mailing Address:	Street:				
City		State:		Zip:	
Phone No.	Area Code: ( )	Number:	-	Ext.	
Fax No.	Area Code: ( )	Number:	-		
E-mail Address:					

*A disclosure of the name of all persons or entities having an ownership interest in the property is required (attached).

PART III

DISCLOSURE OF OWNERSHIP INTEREST FORM FORM:

	-		-		-

PRIMARY STRAP NUMBER:

1. If the property is owned in the fee simple by an **INDIVIDUAL**, tenancy by the entirety, tenancy in common, or joint tenancy, list all parties with an ownership interest as well as the percentage of such interest.

Name and Address	Percentage of Ownership

2. If the property is owned by a **CORPORATION**, list the officers and stockholders and the percentage of stock owned by each.

Name, Address, Office	Percentage of Stock

3. If the property is in the name of a **TRUSTEE**, list the beneficiaries of the trust with percentages of interest.

Name and Address	Percentage of Interest

4. If the property is in the name of a **GENERAL PARTNERSHIP OR LIMITED PARTNERSHIP**, list the names of general and limited partners.

Name and Address	Percentage of Interest

5. If there is a **CONTACT FOR PURCHASE**, whether contingent on this application Or not, and whether a Corporation, Trustee, or Partnership, list the names of the contract purchasers below, including the officers, stockholders, beneficiaries, or partners.

Name and Address	Percentage of Interest

Date of Contract (mm/dd/yy): / /

6. If any contingency clause or contract terms involve additional parties, list all individuals or officers, if a corporation, partnership, or trust.

Name and Address	Percentage of Interest

For any changes of ownership of changes in contracts for purchase subsequent to the date of the application, but prior to the date of final certificate for compliance, a supplemental disclosure of interest must be filed.

The above is a full disclosure of all parties of interest in this application, to the best of my knowledge and belief.

SIGNATURE OF APPLICANT

Jaisheelraj Bommala

PRINTED OR TYPED NAME OF APPLICANT

STATE OF FLORIDA
COUNTY OF LEE

The foregoing instrument was acknowledged before me this 11 day of June (m), 2026(y), by Y who is personally know to me or has produced as identification.

LEAH BETH MALDONADO
Notary Public - State of Florida
Commission # HH 703564
My Comm. Expires Jul 28, 2029
Bonded through National Notary Assn.

SIGNATURE OF NOTARY PUBLIC

Leah Maldonado

PRINTED NAME OF NOTARY PUBLIC

PART IV

EXPLANATION

All Permit Application sections must be completed and submitted.

Permit Application fees and submittal items (see Part VI) must be submitted with the application.

Any and all work involving the lands and/or facilities of the District shall not commence without a Board approved permit.

All set policies, procedures, technical requirements, and fee schedules can be found and reviewed in the 'Administrative Policy and Procedures Guide'. The Guide is available at the District Office located at 601 East County Lane, Lehigh Acres, FL or online at la-msid.com/.

PART V

PROFESSIONAL CONSULTANT FORM

ATTORNEY

Name:					
Mailing Address:					
City:		**State:**		**Zip:**	
Business No.	**Area Code:** ( )	**Number:**	-	**Ext.**	
Other Contact:					

ENGINEER

Name:	Jaisheelraj Bommala				
Mailing Address:	4980 Bayline Dr				
City:	North Fort Myers	**State:** FL		**Zip:**	33916
Business No.	**Area Code:** (239)	**Number:**	744-7965	**Ext.**	
Other Contact:					

OTHER REPRESENTATIVE/PROFESSIONAL

Name:					
Mailing Address:					
City:		**State:**		**Zip:**	
Business No.	**Area Code:** ( )	**Number:**	-	**Ext.**	
Other Contact:					

PART VI

SUBMITTALS

NO. OF COPIE SUB'D	REQ'D	SUBMITTAL DOCUMENT
		ITEMS REQUIRED FOR INITIAL SUBMITTA
2	2	**Construction/Development Plans** signed and sealed by a L Florida Professional Engineer including: 1. Location map showing the location of the proposed project in re adjacent streets and LA-MSID facilities. 2. Details of proposed works that fully communicate the work and, desired (i.e. Existing Conditions Survey, Proposed Site Plan, Pavi Grading & Drainage Plan, Cross Sections, Element Details, and I Control Plan sheets). 3. Sufficient survey data to determine elevations, property and ROV limits of existing and proposed conditions, and notation of utiliz vertical datum (NAVD/NGVD).

N/A	2	**Stormwater Drainage Calculations** signed and sealed by a L Florida Professional Engineer including, but not limited to, co stormwater routing modeling data (ICPR4, Cascade, etc.) to ve compliance with the Design Criteria (input summary data belc **Water Quality Volume (Required):** _____(ACI **Water Quality Volume (Provided):** _____(AC **Control Elevation:** _____(FT-N **Minimum Road/Parking Elevation:** _____(FT-N *(above the 10-year, 1-day design storm peak stage elevation)* **Minimum Perimeter Berm Elevation:** _____(FT-N *(above the 25-year, 3-day design storm peak stage elevation)* **Minimum Finished Floor Elevation:** _____(FT-N *(above the 100-year, 3-day design storm peak stage elevation ar previously experienced high-water levels external to project)*
2	2	**Flash Drive / CD** containing plans in both AutoCAD (.dwg drawn in "State Plane Coordinates") and PDF formats.
2	2	**Permit Application** (PARTS I & II)
2	2	**Disclosure of Owner Form (signed and notarized)** (PART
2	2	**Professional Consultant Form & Submittals** (PARTS V &
N/A	2	**Copy of Approved FDEP Notice of Intent (NOI)** for all s (1) acre and greater in size.
N/A	2	**Copy of approved SWFMD permit**, for all sites required to permit, **or FDEP "10/2 Self-Certification"** approval.
1	1	**Check for appropriate Permit Fees** made out to LA-MSID.

LCEC
PEOPLE. POWER. POSSIBILITIES.
P.O. Box 3455 • North Fort Myers, FL 33918-3455

PLEASE DETACH AND RETAIN

No. 41812 (EFT)
Date: 07/01/2026

DATE	INVOICE	DESCRIPTION		GROSS	NET
06/29/2026	06292026	PERMIT APPLICATION WO 401062141		6,330.00	6,330.00
	Vendor: 6273 LEHIGH ACRES MSID		Totals:	6,330.00	6,330.00

Direct Deposit Information
Financial Institution: SYNOVUS BANK
Account: **********9803

Permit #'s = $2,280.00
26-112

Permit # 26-113 = $4,050.00

LCEC
PEOPLE. POWER. POSSIBILITIES.
P.O. Box 3455 • North Fort Myers, FL 33918-3455

No. 41812 (EFT)
64-10/610

TRUIST

PAY TO THE ORDER OF
LEHIGH ACRES MSID
601 EAST COUNTY LANE
LEHIGH ACRES FL 33936

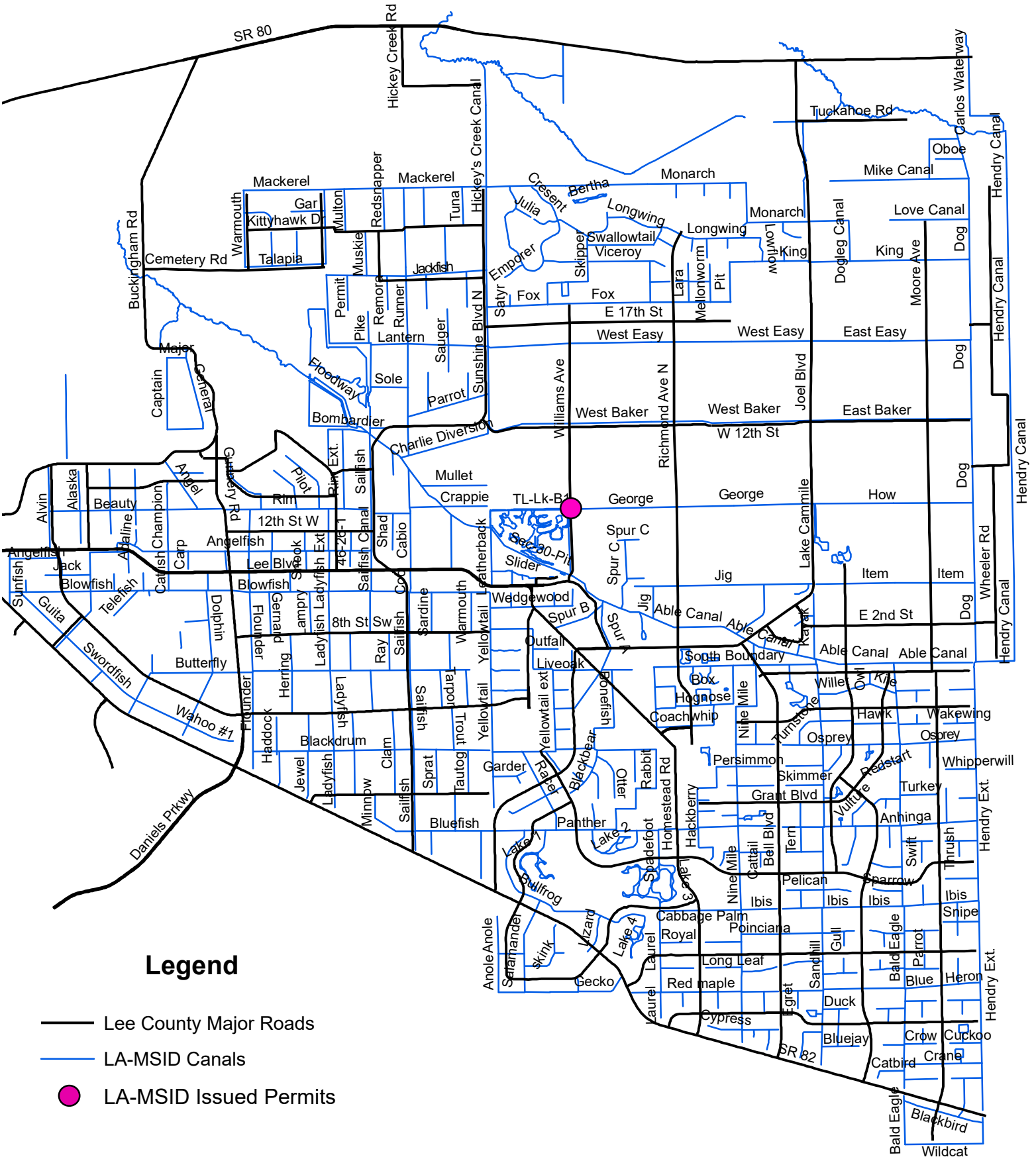
DATE	CHECK NO.	AMOUNT
07/01/2026	41812	$*****6,330.00

Notice of Fund Transfer

NON-NEGOTIABLE

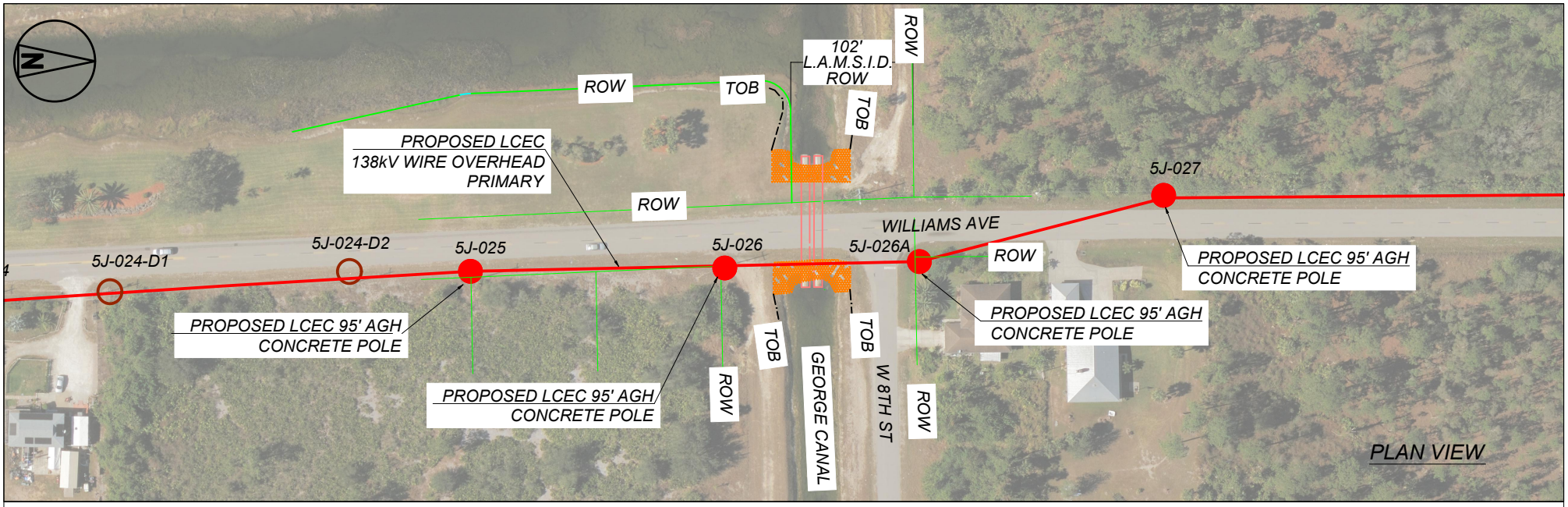
6273

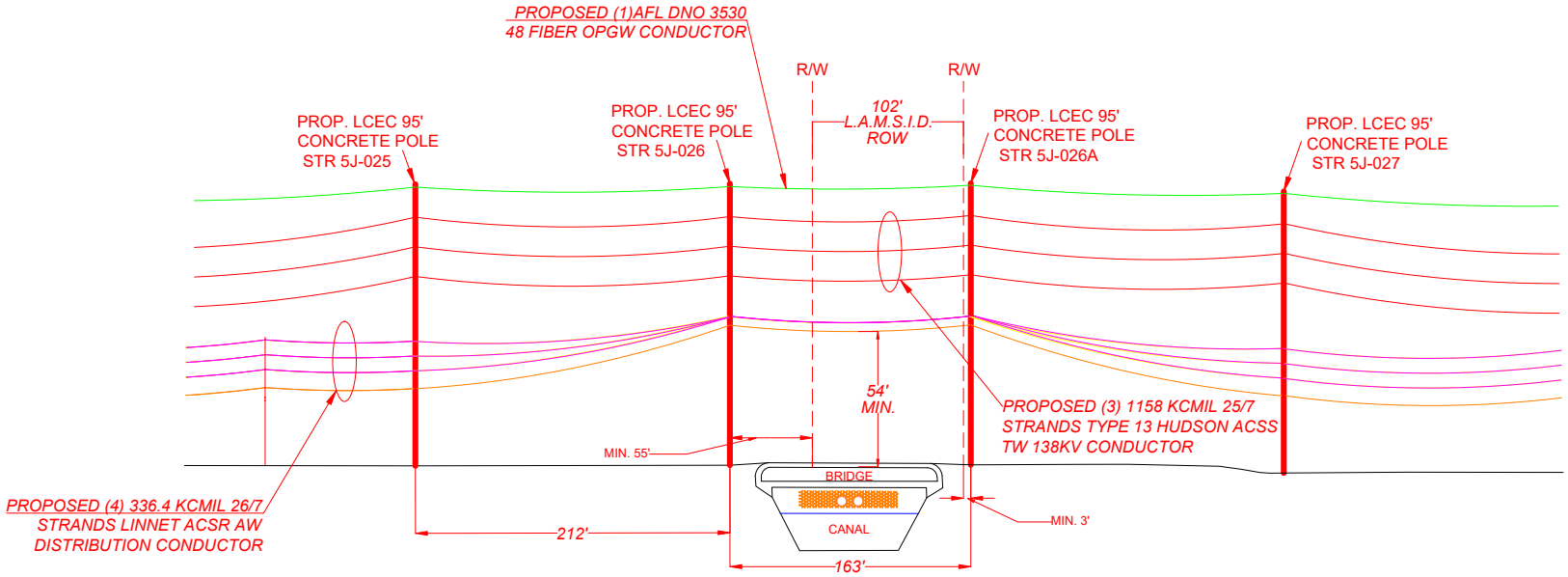
Permit # 2026-112



Legend

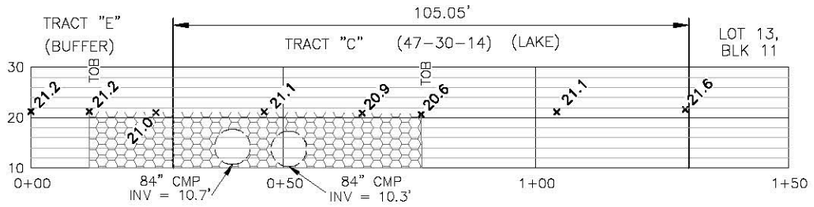
- Lee County Major Roads
- LA-MSID Canals
- LA-MSID Issued Permits





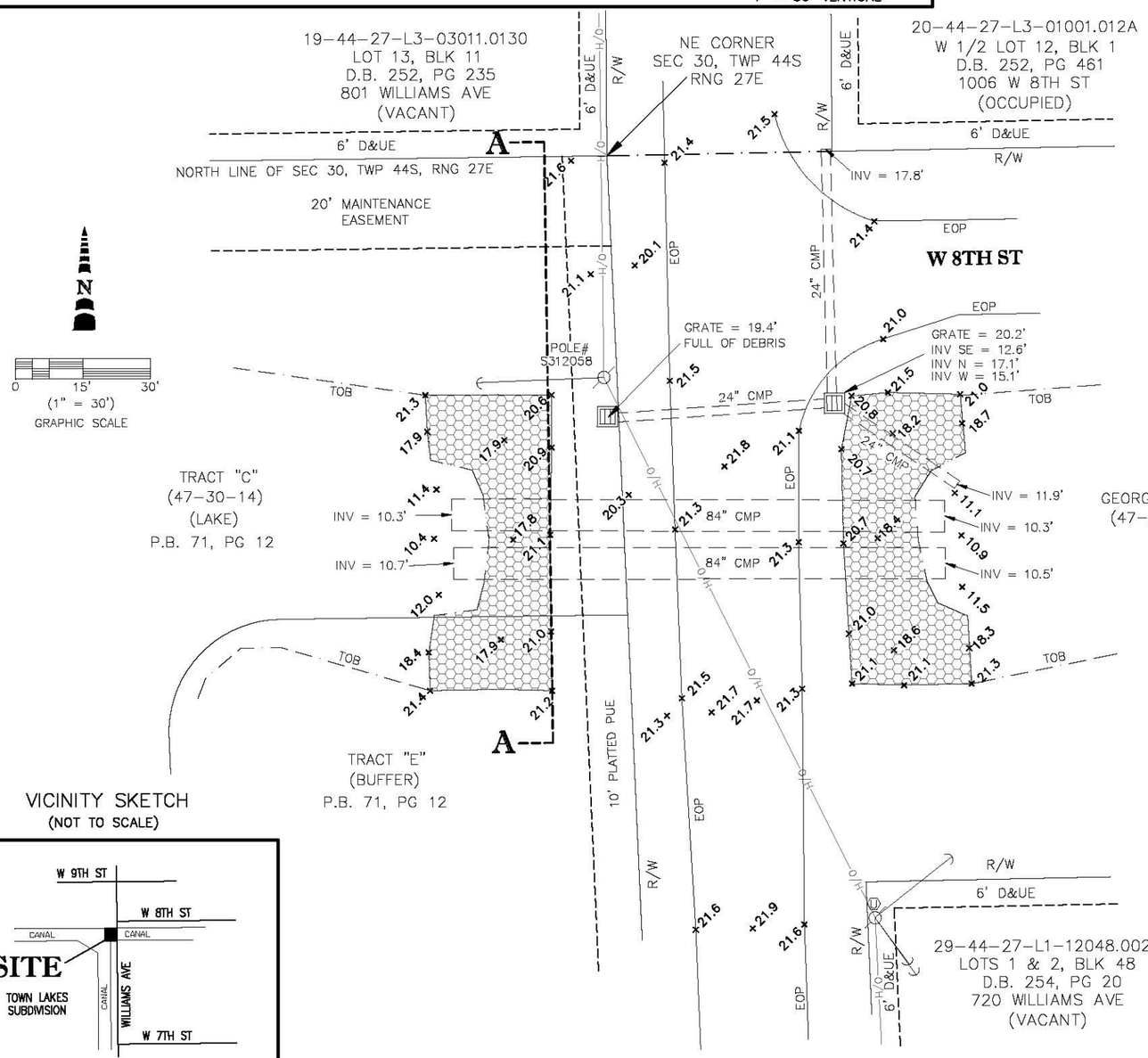
PROFILE VIEW
(LOOKING EAST)

Dwn. By: DL (LWE)	LEHIGH ACRES M.S.I.D. PERMIT FOR OVERHEAD CANAL CROSSING.	LCEC LEE COUNTY ELECTRIC COOPERATIVE, INC.	REVISIONS:
Date: 05/28/2026			
Scale: NTS			
Appr. By:			
Sheet No.: 1 of 1	LEHIGH ACRES, LEE COUNTY	4980 Bayline Dr., N. Ft. Myers, FL. 33917 (800)-282-1643	



A-A PROFILE VIEW

1" = 30' HORIZONTAL
1" = 30' VERTICAL



VICINITY SKETCH
(NOT TO SCALE)

ASBUILT SURVEY

OF A PARCEL OF LAND LYING IN SECTION 30, TOWNSHIP 44 SOUTH, RANGE 27 EAST, LEHIGH ACRES, LEE COUNTY, FLORIDA

NOTES:

SURVEY BASED ON THE PLAT OF TOWN LAKES PHASE 1 AS RECORDED IN PLAT BOOK 70, PAGE 10 AND PLAT OF LEHIGH ACRES UNIT 12 AS RECORDED IN DEED BOOK 254, PAGE 20, OF THE PUBLIC RECORDS OF LEE COUNTY, FLORIDA AND EXISTING MONUMENTATION.

THIS PLAT PREPARED AS AN ASBUILT SURVEY FOR THE PURPOSE OF LOCATING THE FEATURES WITHIN AND ADJACENT TO THE CANAL CROSSING WEST OF WILLIAMS BETWEEN WEST 7TH ST AND WEST 8TH ST, LEHIGH ACRES.

THE ELEVATIONS SHOWN HEREON ARE NORTH AMERICAN VERTICAL DATUM OF 1988 (N.A.V.D. 88) IN FEET AND DECIMALS THEREOF AND BASED UPON CONTINUOUSLY OPERATING FLORIDA PERMANENT REFERENCE NETWORK (FPRN) STATIONS MAINTAINED BY THE FLORIDA DEPARTMENT OF TRANSPORTATION.

PARCEL LIES WITHIN INSURANCE RATE MAP 125124 0319F, PANEL NOT PRINTED, THEREFORE HAS NO BASE FLOOD ELEVATION.

THE F.E.M.A. FLOOD ZONE INFORMATION INDICATED HEREON IS BASED ON MAPS SUPPLIED BY THE FEDERAL GOVERNMENT. THIS FLOOD INFORMATION MUST BE VERIFIED WITH ALL PERMITTING REGULATORY ENTITIES PRIOR TO COMMENCING ANY WORK OR APPLICATION DEPENDENT ON SAID FLOOD INFORMATION.

UNDERGROUND IMPROVEMENTS, UTILITIES AND/OR FOUNDATIONS WERE NOT LOCATED UNLESS OTHERWISE NOTED.

WETLANDS, IF ANY, WERE NOT LOCATED.

SUBJECT TO EASEMENTS, RESTRICTIONS, RESERVATIONS AND RIGHTS-OF-WAY (RECORDED AND UNRECORDED, WRITTEN AND UNWRITTEN).

DATE OF LAST FIELD WORK: 3-19-2026

LEGEND:

FIR = FOUND IRON ROD
N&D = NAIL AND DISC
ELEV = ELEVATION
SEC = SECTION
TWP = TOWNSHIP
RNG = RANGE
P.B. = PLAT BOOK
D.B. = DEED BOOK
PG = PAGE
TRAV = TRAVERSE
CONC = CONCRETE
D&UE = DRAINAGE & UTILITY EASEMENT
PUE = PULIC UTILITY EASEMENT
CMP = CORRUGATED METAL PIPE
EOP = EDGE OF PAVEMENT
R/W = RIGHT OF WAY
TOB = TOP OF BANK
TOE = TOE OF SLOPE
INV = INVERT
N.A.V.D. 88 = NORTH AMERICAN VERTICAL DATUM 1988
= CATCH BASIN
= TELEPHONE SERVICE BOX
= CONCRETE SPILLWAY
O/H = OVERHEAD UTILITY LINES
+28.7' = SPOT ELEVATION

THIS SURVEY HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY TIMOTHY LEE MANN USING A DIGITAL SIGNATURE AND DATE. PRINT COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

BY: Timothy L Mann Digitally signed by Timothy L Mann Date: 2026.03.25 09:35:28 -04'00'

TIMOTHY LEE MANN
PROFESSIONAL SURVEYOR AND MAPPER
FLORIDA CERTIFICATE NO. LS# 5838

TIMOTHY LEE MANN
LICENSE NUMBER
LS 5838
STATE OF FLORIDA
PROFESSIONAL SURVEYOR & MAPPER

NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.

THIS SURVEY IS ONLY FOR THE LANDS AS DESCRIBED. IT IS NOT A CERTIFICATE OF TITLE, ZONING, EASEMENTS OR FREEDOM OF ENCUMBRANCES.

THIS SURVEY WAS PREPARED WITHOUT BENEFIT OF AN ABSTRACT OF TITLE AND ALL MATTERS OF TITLE SHOULD BE REFERRED TO AN ATTORNEY AT LAW.

WILLAIMS AVE, LEHIGH ACRES

TITLE: ASBUILT SURVEY

KEYSTONE
A CLS COMPANY
www.keystoneconsultants.net

10970 S. CLEVELAND AVE.
SUITE #605
FORT MYERS, FLORIDA 33907
PHONE: (239) 275-8575
FAX: (239) 275-8457

LB #8331

FILE NAME:	FIELD BOOK/PAGE:	PROJECT NO.:	SHEET:
2151-6767SR.DWG	SEE FILE	2151-6767	1 OF 1

SURVEY DATE:	DRAWN BY:	SCALE:	CHECKED BY:	FILE NO. (S-T-R)
3/24/26	BUD	1"= 30'	TLM	30-44-27

TOWN LAKES PHASE I

A SUBDIVISION LYING IN SECTION 30
TOWNSHIP 44 SOUTH, RANGE 27 EAST,
LEHIGH ACRES, LEE COUNTY, FLORIDA AND
A PORTION BEING A REPLAT OF PARCEL "B"
OF VILLAGE ON THE LAKES SUBDIVISION AS
RECORDED IN PLAT BOOK 60 AT PAGES
46 AND 47, LEE COUNTY PUBLIC RECORDS

THIS INSTRUMENT PREPARED BY:
R.K. BURNS SURVEYING, INC.
11000-19 METRO PARKWAY
FORT MYERS, FL. 33912
(941) 936-4550
PROJECT: PLATS\TOWNLAKE\PH1-SH3

CURVE TABLE

CURVE	DELTA ANGLE	RADIUS	ARC	CHORD	CHORD BEARING
C 5	55°29'56"	400.00'	387.46'	372.49'	N 20°06'17"W
C 6	24°45'33"	150.00'	64.82'	64.32'	N 61°15'56"E
C 7	44°24'11"	150.00'	116.25'	113.36'	N 51°26'36"E
C 8	09°47'07"	900.00'	153.71'	153.52'	N 81°10'48"W
C 9	11°41'19"	1500.00'	306.01'	305.48'	N 86°14'44"E
C 10	81°33'15"	50.00'	71.17'	65.31'	S 58°49'17"E
C 11	25°15'59"	1550.00'	683.52'	678.00'	S 05°24'41"E
C 28	25°15'59"	1575.00'	694.55'	688.93'	N 05°24'41"W
C 29	81°33'15"	75.00'	106.75'	97.97'	N 58°49'18"W
C 30	11°41'19"	1475.00'	300.91'	300.39'	S 86°14'44"W
C 31	62°50'53"	175.00'	191.96'	182.48'	S 60°39'57"W
C 32	44°24'11"	125.00'	96.87'	94.47'	S 51°26'36"W
C 33	24°45'33"	175.00'	75.62'	75.04'	S 61°15'55"W
C 34	83°15'36"	25.00'	36.33'	33.22'	N 89°29'03"W
C 35	52°11'34"	375.00'	341.60'	329.91'	S 21°45'29"E
C 55	45°47'25"	425.00'	339.66'	330.69'	N 17°49'49"W
C 56	89°36'40"	25.00'	39.10'	35.24'	N 04°04'49"E
C 57	24°45'33"	125.00'	54.02'	53.60'	N 61°15'56"E
C 58	44°24'11"	175.00'	135.62'	132.25'	N 51°26'36"E
C 59	62°50'53"	125.00'	137.11'	130.34'	N 60°39'58"E
C 60	11°41'19"	1525.00'	311.11'	310.57'	N 86°14'44"E
C 61	81°33'15"	25.00'	35.58'	32.66'	S 58°49'17"E
C 62	25°15'59"	1525.00'	672.50'	667.06'	S 05°24'41"E
C 75	36°04'32"	560.00'	352.60'	346.80'	N 08°17'20"W
C 76	94°59'00"	30.00'	49.73'	44.23'	N 21°09'54"E
C 77	35°14'45"	310.00'	190.70'	187.71'	N 51°02'01"E
C 78	57°52'55"	30.00'	30.31'	29.03'	N 62°21'07"E
C 79	06°36'08"	1660.00'	191.29'	191.18'	N 87°59'30"E
C 80	82°07'32"	30.00'	43.00'	39.41'	S 54°14'48"E
C 81	15°30'09"	1390.00'	376.09'	374.95'	S 05°25'57"E
C 84	25°34'17"	310.00'	138.35'	137.21'	N 83°53'04"E
C 85	20°59'29"	310.00'	113.57'	112.94'	N 81°35'39"E
C 86	11°41'19"	1340.00'	273.37'	272.89'	N 86°14'44"E
C 87	81°33'15"	210.00'	298.91'	274.31'	S 58°49'18"E
C 88	25°15'59"	1710.00'	754.08'	747.98'	S 05°24'41"E
C 154	14°52'14"	175.00'	45.42'	45.29'	N 36°40'38"E
C 155	28°53'58"	175.00'	88.27'	87.34'	N 58°33'44"E
C 156	19°04'41"	175.00'	58.27'	58.00'	N 82°33'03"E
C 157	00°17'18"	1475.00'	7.42'	7.42'	S 88°03'15"E
C 158	02°31'32"	1475.00'	65.02'	65.01'	S 89°27'40"E
C 159	02°31'33"	1475.00'	65.02'	65.02'	N 88°00'47"E
C 160	02°31'51"	1475.00'	65.15'	65.15'	N 85°29'05"E
C 161	02°32'28"	1475.00'	65.42'	65.41'	N 82°56'56"E
C 162	01°16'37"	1475.00'	32.87'	32.87'	N 81°02'23"E
C 163	25°03'23"	75.00'	32.80'	32.54'	S 87°04'14"E
C 164	25°08'35"	75.00'	32.91'	32.65'	S 61°58'15"E
C 165	31°21'17"	75.00'	41.04'	40.53'	S 33°43'18"E
C 166	00°13'38"	1575.00'	6.25'	6.25'	S 17°55'51"E
C 167	01°32'05"	1575.00'	42.19'	42.19'	S 17°03'00"E
C 168	02°25'29"	1575.00'	66.65'	66.65'	S 15°04'13"E
C 169	02°24'14"	1575.00'	66.08'	66.08'	S 12°39'21"E
C 170	02°23'16"	1575.00'	65.64'	65.63'	S 10°15'36"E
C 171	02°22'34"	1575.00'	65.32'	65.31'	S 07°52'41"E
C 172	02°22'07"	1575.00'	65.11'	65.11'	S 05°30'21"E
C 173	09°07'48"	310.00'	49.40'	49.35'	N 75°39'49"E
C 174	11°51'41"	310.00'	64.18'	64.06'	N 86°09'34"E
C 175	00°02'41"	1340.00'	1.05'	1.05'	S 87°55'57"E
C 176	02°46'49"	1340.00'	65.02'	65.01'	S 89°20'41"E
C 177	02°46'50"	1340.00'	65.03'	65.02'	N 87°52'29"E
C 178	02°47'14"	1340.00'	65.19'	65.18'	N 85°05'28"E
C 179	02°48'03"	1340.00'	65.51'	65.50'	N 82°17'49"E
C 180	00°29'42"	1340.00'	11.58'	11.58'	N 80°38'56"E
C 181	14°39'30"	210.00'	53.73'	53.58'	N 87°43'50"E
C 182	35°32'28"	210.00'	130.26'	128.19'	S 67°10'11"E
C 183	29°14'38"	210.00'	107.18'	106.02'	S 34°46'38"E
C 184	02°06'39"	210.00'	7.74'	7.74'	S 19°06'00"E
C 185	02°53'11"	1710.00'	86.15'	86.14'	S 16°36'04"E
C 186	02°13'29"	1710.00'	66.39'	66.39'	S 14°02'44"E
C 187	02°12'31"	1710.00'	65.91'	65.91'	S 11°49'45"E
C 188	02°11'46"	1710.00'	65.54'	65.54'	S 09°37'37"E
C 189	02°11'13"	1710.00'	65.27'	65.26'	S 07°26'08"E
C 190	02°10'52"	1710.00'	65.09'	65.09'	S 05°15'05"E
C 191	12°22'08"	425.00'	91.75'	91.57'	N 34°32'27"W
C 192	17°35'12"	25.00'	7.67'	7.64'	N 31°55'55"W
C 193	72°01'28"	25.00'	31.43'	29.40'	N 12°52'25"E
C 194	19°28'33"	175.00'	59.49'	59.20'	N 63°54'25"E
C 195	24°55'38"	175.00'	76.14'	75.54'	N 41°42'20"E
C 196	22°12'27"	125.00'	48.45'	48.15'	N 40°20'45"E
C 197	40°38'26"	125.00'	88.66'	86.82'	N 71°46'11"E
C 198	01°00'07"	1525.00'	26.67'	26.67'	S 88°24'40"E
C 199	02°26'33"	1525.00'	65.01'	65.01'	N 89°52'00"E
C 200	02°26'37"	1525.00'	65.04'	65.03'	N 87°25'25"E
C 201	02°26'58"	1525.00'	65.20'	65.19'	N 84°58'38"E
C 202	03°21'04"	1525.00'	89.19'	89.18'	N 82°04'37"E
C 203	01°11'16"	1525.00'	31.62'	31.62'	S 17°27'02"E
C 204	04°04'09"	1525.00'	108.30'	108.28'	S 14°49'19"E
C 205	03°14'18"	1525.00'	86.19'	86.18'	S 11°10'06"E
C 206	02°27'21"	1525.00'	65.37'	65.36'	S 08°19'17"E
C 207	02°26'49"	1525.00'	65.13'	65.12'	S 05°52'12"E
C 208	04°54'12"	560.00'	47.92'	47.91'	N 23°52'30"W
C 209	36°13'54"	30.00'	18.97'	18.66'	N 08°12'39"W
C 210	58°45'06"	30.00'	30.76'	29.43'	N 39°16'51"E
C 211	08°35'51"	310.00'	46.52'	46.47'	N 64°21'28"E
C 212	15°01'03"	310.00'	81.25'	81.02'	N 52°33'01"E
C 213	08°35'58"	310.00'	46.53'	46.48'	N 40°44'31"E
C 214	03°01'53"	310.00'	16.40'	16.40'	N 34°55'35"E
C 215	00°20'36"	1660.00'	9.95'	9.95'	S 88°52'44"E
C 216	02°14'38"	1660.00'	65.01'	65.00'	N 89°49'39"E
C 217	02°14'41"	1660.00'	65.03'	65.03'	N 87°35'00"E
C 218	01°46'14"	1660.00'	51.30'	51.29'	N 85°34'33"E
C 219	26°56'53"	30.00'	14.11'	13.98'	S 81°50'08"E
C 220	24°04'00"	30.00'	12.60'	12.51'	S 56°19'41"E
C 221	31°06'39"	30.00'	16.29'	16.09'	S 28°44'21"E
C 222	00°28'25"	1390.00'	11.49'	11.49'	S 12°56'49"E
C 223	02°27'06"	1390.00'	59.47'	59.47'	S 11°29'04"E
C 224	02°41'51"	1390.00'	65.44'	65.43'	S 08°54'36"E
C 225	02°41'09"	1390.00'	65.16'	65.15'	S 06°13'06"E
C 346	09°51'15"	50.00'	8.60'	8.59'	N 07°19'05"W

CURVE TABLE

CURVE	DELTA ANGLE	RADIUS	ARC	CHORD	CHORD BEARING
C 347	09°51'15"	50.00'	8.60'	8.59'	N 07°19'04"W
C 348	91°48'30"	25.00'	40.06'	35.91'	N 43°30'48"E
C 351	38°21'00"	90.00'	60.24'	59.12'	N 28°40'45"W
C 352	20°22'28"	310.00'	110.24'	109.66'	N 86°28'58"E
C 353	05°11'49"	310.00'	28.12'	28.11'	N 73°41'50"E

LINE TABLE

LINE	BEARING	DISTANCE
L 2	N 47°51'15"W	58.84'
L 6	S 72°05'24"W	57.70'
L 7	S 47°51'15"E	73.24'
L 12	N 48°53'09"E	109.84'
L 40	N 89°25'03"E	77.25'
L 41	S 02°23'27"E	102.05'

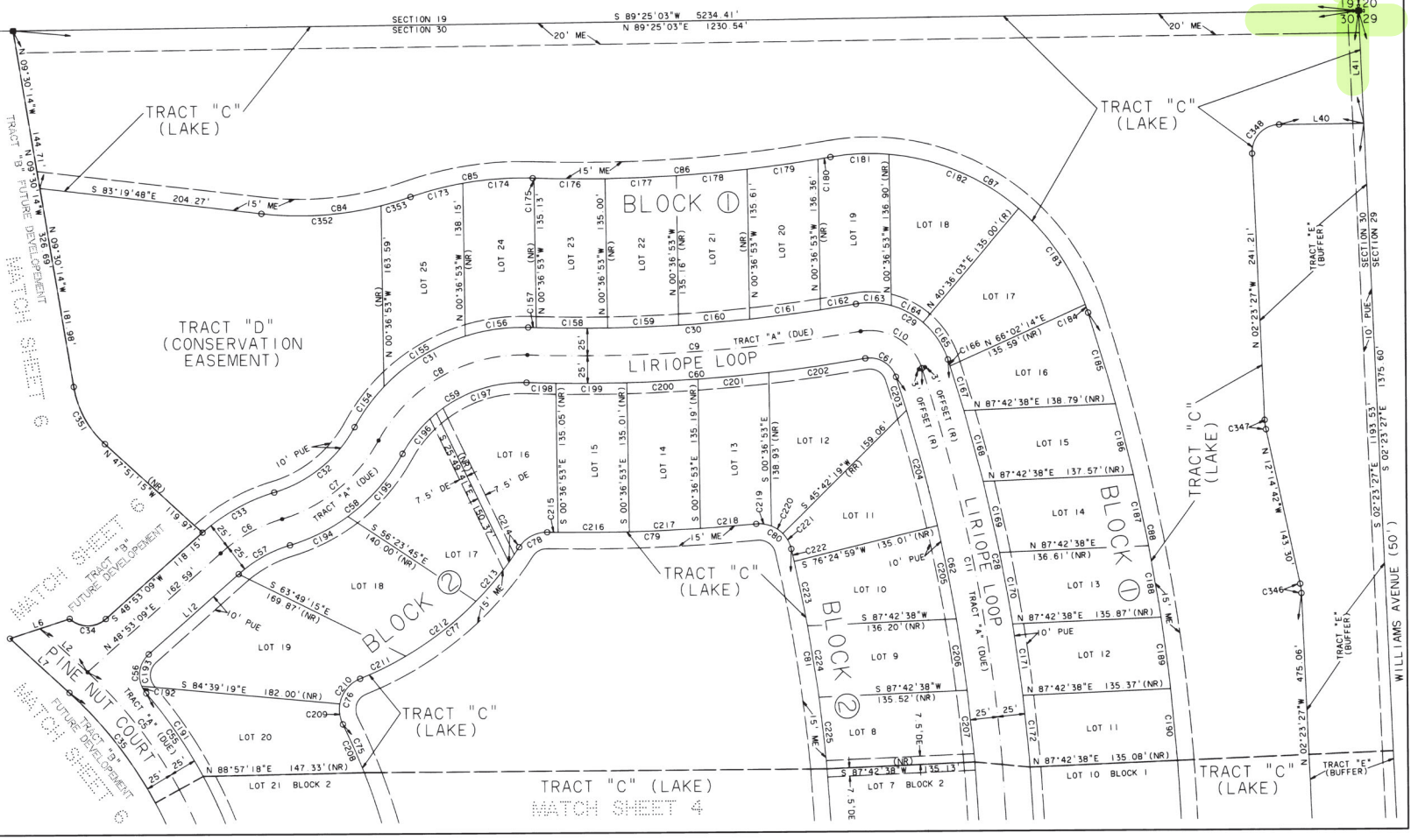
North

50' 0 50'

SCALE: 1 " = 50'

SURVEYOR'S NOTES & LEGEND:

1) DIMENSIONS ARE IN FEET AND DECIMALS THEREOF.
2) ALL CURVES INDICATED ARE CIRCULAR.
3) ■ = PERMANENT REFERENCE MONUMENTS ARE CONCRETE MONUMENTS WITH METAL DISK SET IN TOP STAMPED "RKB LS 4603 PRM"
4) O = CHANGE IN DIRECTION.
5) ● = PERMANENT CONTROL POINTS (PCP) ARE NAIL & DISK STAMPED "PCP LS 4603".
6) C5 = CURVE NUMBER FOR CURVE TABLE
7) DE = DRAINAGE EASEMENT
8) L5 = LINE NUMBER FOR LINE TABLE
9) DUE = DRAINAGE & UTILITY EASEMENT
10) ME = MAINTENANCE EASEMENT
11) (NR) = NON-RADIAL
12) PUE = PUBLIC UTILITIY EASEMENT
13) (R) = RADIAL
14) (RF) = RADIAL TO FRONT CURVE
15) (RR) = RADIAL TO REAR CURVE



D.O. #98-10-080.00

PART IV #26-112

Recommended Action

Engineering Review:

By: _____ 6/17/2026 **Approved** _X_ **Denied** __

District Field Review:

By: _____ **Approved** ___ **Denied** ___

District Manager: _____ **Date**: _____

Comments:

The referenced permit application submitted by LCEC for an aerial crossing over George Canal (47-20-1) at 720 Williams Ave., in Lehigh Acres, has been reviewed and is recommended for approval with the following stipulations:

1. Please include existing ground elevations, as shown in the survey, on the aerial crossing section of the plans. This should clearly illustrate the proposed elevation of the overhead utility lines relative to existing ground conditions. If applicable, also show any existing overhead wires and their corresponding surveyed elevations.

2. Overhead utility crossings through the district's right-of-way must maintain a minimum clearance of forty feet (40') from the lowest point of cable sag to the highest adjacent ground or levee elevation, in accordance with District standards.

3. All guy wires should not interfere with the district's maintenance. All guy wires should be noted on design plans and placed in locations that will not block the district's access or maintenance areas.

4. Any disturbed canal R/W must be restored with sod and maintained until fully established. Seeding will not be permitted.

5. Within 30 days of completing the improvements, provide LA-MSID with a copy of the survey record drawings indicating the location and elevation of utilities within the canal R/W.

6. The permittee will be responsible for any necessary repairs, alterations, or relocation of the utility if required for future maintenance or repairs of the canal.

7. Lee County DOT must review and approve any utility work proposed within the County Road R/W.

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

AGENDA ITEM SUMMARY

Subject: PER #26-113 – LCEC Aerial Crossing Able Canal (47-30-7) at Williams Ave

Meeting Date: July 20, 2026

Agenda Item # 2J

[x] **CONSENT** [ ] **ACTION** [ ] **OLD BUSINESS** [ ] **NEW BUSINESS**

Request Initiated By: [ ] **COMMISSIONER** _____ [ ] **ATTORNEY**

[ ] **BOARD** [ ] **MANAGER** [ ] **ENGINEER** [ ] **AUDITOR**

1	**Recommended motion:**	Move to approve PER #26-113 – LCEC Aerial Crossing Able Canal (47-30-7) at Williams Ave, with any listed stipulations.
2	**What the action accomplishes:**	Allows LCEC to build an aerial crossing over Able Canal while ensuring that the lowest wire stays at least 40 feet above natural ground.
3	**Fiscal Impact:**	Permit Fee: $4,050.00
4	**Staff comments:**	Approved according to the plans submitted June 15, 2026.

5 Staff review and recommended approval:

[ ] **MANAGER** [ ] **ASSISTANT DISTRICT MGR**

[ ] **ATTORNEY** [ ] **FIELD SUPERINTENDENT**

[ ] **ENGINEER** [ ] **CONTROLLER**

6 Board Action:

[ ] **APPROVED** [ ] **DENIED** [ ] **DEFERRED**

LEHIGH ACRES - MUNICIPAL SERVICES IMPROVEMENT DISTRICT
PERMIT

THIS PERMIT is granted this 20th day of July, 2026, by Lehigh Acres Municipal Services Improvement District (hereinafter referred to as "DISTRICT"), 601 East County Lane, Lehigh Acres, Florida 33936, to LCEC, 4980 Bayline Drive, North Fort Myers, FL 33917, hereinafter referred to as the "Permittee") as a non-exclusive permit for a proposed aerial powerline crossing over Able Canal (47-30-7), along the east side of Williams Ave., between W. 5th St. & Lee Blvd., in Lehigh Acres, FL.

W I T N E S S E T H:

1. In the event the DISTRICT is not the fee title owner of the real property (the "Property") to which this Permit is applicable, the Permittee agrees, prior to commencement, to obtain all necessary consents from the fee title owners of the Property.

2. This Permit does not constitute a waiver of the necessity by the Permittee to obtain such other necessary and appropriate permits required by other governmental bodies or agencies; therefore the Permittee, prior to commencement, is required to obtain any and all other applicable federal, state, and local permits required in connection with Permittee's use of the Property and agrees that at all times it will comply with the requirements of all federal, state and local laws, ordinances, rules and regulations applicable or pertaining to the use of the Property by the Permittee.

3. Permittee understands and agrees that the use of the Property pursuant to this Permit is subordinate to the rights and interests of the DISTRICT and to the extent applicable that of the fee title owner of the Property. Further, Permittee does hereby stipulate that the Permittee is not relying upon any representations whatsoever by the DISTRICT regarding the DISTRICT'S right, title, interest, or ownership as to the Property for which this Permit is applicable.

4. The Permittee, by accepting this permit, specifically agrees to allow authorized District Personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:
    a. Having access to and copying any records that must be kept under the conditions of the permit:
    b. Reviewing the facility, equipment, practices, or operations regulated or required under this permit; and
    c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or District rules.

5. The DISTRICT specifically reserves the right to maintain its facilities located over, under or upon the Property; to make improvements; add additional facilities; maintain, construct or alter its roads; maintain any facilities, devices, or improvements on the Property which aid in or are necessary to the DISTRICT'S operation; and the right to enter upon the Property at all times for such purposes. Permittee understands that in the exercise of such rights and interest, the DISTRICT may require Permittee, at no cost to DISTRICT, to relocate, alter, or remove the Permittee's facilities and equipment or other improvements made by Permittee pursuant to this Permit which interfere with or prevent the DISTRICT, in the DISTRICT'S opinion, from properly and faithfully constructing, improving and maintaining its facilities. If the Permittee should fail to relocate, alter, or remove the Permittee's facilities, equipment or other improvements made by the Permittee pursuant to this Permit within a reasonable time period following receipt of notice from the DISTRICT requesting same, then in that event the DISTRICT shall have the right to enter upon the lands and make such relocation, alterations or removal of the Permittee's facilities, equipment/or other improvements at no cost to DISTRICT.

6. Permittee agrees that it will not use the Property in any manner which interferes with the DISTRICT'S

use of the Property or causes a hazardous condition to exist.

7. The DISTRICT assumes no responsibility for the ownership, operation and/or maintenance of the Permittee's facilities as permitted herein.

8. The Permittee agrees to backfill any excavation it makes within the Property and to repair or replace (i) any below-grade authorized facilities and features located therein, including but not limited to: water, sewer, stormwater or irrigation facilities, structures or appurtenances and (ii) as to at or above-grade facilities and features, this requirement shall only be applicable to grasses and sod, sidewalks, and roadway improvements (the term roadway improvements shall include but not be limited to curbing, roadway base, sub grade and asphaltic or concrete surfaces) which are removed or damaged as a direct result of said excavation. Such repair or replacement shall substantially restore these features to their condition as it existed immediately prior to the event precipitating the excavation.

9. All below-grade Permittee installations, including water and sewer lines, whether sub aqueous or not, together with appurtenant facilities, shall be located underground and have a minimum ground cover of thirty inches (30") below original design profile grade, including District waterways and roadways.

10. All Permittee activity related to sub aqueous utility, water and/or sewer lines, including appurtenant facilities, shall be conducted in such fashion that the primary functional purpose of the canal or lake body facility, specifically flood control, within which the activity is taking place is not adversely affected. More specifically, sub aqueous construction shall conform to the criteria given in the Lehigh Acres Municipal Services Improvement District (Lehigh Acres – MSID) Administrative Policy and Procedures.

11. Permittee shall, at no expense to DISTRICT and within a reasonable time following notice, adjust the positions and elevations of its facilities as may be required in connection with future improvements to, or construction of, works of the DISTRICT.

12. Permittee does hereby indemnify and hold harmless the DISTRICT, its Board of Commissioners, officers, personnel, and it's Engineers against any claims, losses, damages (including consequential), expenses, or legal fees that might arise out or result from the implementation of the proposed project by the Permittee or that may be caused by a failure of DISTRICT facilities or property.

13. The Permittee shall be obligated at the time of submission of its Permit application, to provide a detail of any other existing improvements located over, under, upon or through the Property and the Permittee's accompanying plans and specifications shall clearly indicate how the Permittee will comply with required clearances between the requested permitted activity and existing improvements located over, under and upon the Property, including compliance with other permitted users duly adopted and published standards.

14. Permittee shall reimburse the DISTRICT for its legal, engineering and other expenses incurred as a result of the implementation of the proposed project.

15. If Permittee should violate any of the terms or conditions of the Permit and shall not correct or remedy same within ten (10) days of receiving written notice of said violation from the DISTRICT, then in that event, the DISTRICT may, at its option, revoke, cancel and terminate this Permit.

16. This Permit may not be assigned by the Permittee without the prior written approval of the DISTRICT.

17. Unless otherwise adjusted, modified or terminated as set forth hereinabove, including the Conditions attached hereto, this Permit shall continue in full force and effect so long as Permittee complies with the

terms of this Permit.

18. In any litigation, including breach, enforcement or interpretation arising out of this Permit, the prevailing party to this Permit shall be entitled to recover reasonable attorney's fees, costs and expenses related to said action from the non-prevailing party.

19. That attached hereto are Supplemental Conditions to this Permit which are incorporated herein and made a part hereof.

LEHIGH ACRES – MUNICIPAL SERVICES IMPROVEMENT DISTRICT

BY: _____

NAME TYPED: David E. Lindsay

TITLE: District Manager

SUPPLEMENTAL CONDITIONS TO PERMIT NO. 26-113

A. GENERAL CONDITIONS

1. Notification shall be given by the Permittee to the District Engineer, AIM Engineering, at 239-332-4569 forty-eight (48) hours prior to commencement of the permitted activity. The District Engineer shall establish points of construction, if applicable, which will require inspection by the District Engineer prior to construction of the permitted activity. When the Permittee considers the permitted activity complete, the Permittee shall notify the District Engineer and schedule an on-site final inspection which shall be held in the presence of a representative of the Permittee and the District Engineer.

2. The permitted activity shall be implemented, constructed and/or installed in full accordance with the approved plans and specifications within six (6) full calendar years from the date of permit approval. Deviations from the approved plans or specifications shall be coordinated with and approved by the District Engineer prior to implementation of any such deviation.

3. When working in a District road right-of-way, not more than one-half (½) of the road or street shall be closed and traffic shall be controlled so as to provide for the safety and minimum hindrance to the public. All traffic control operations shall conform to the most current issue of the Florida Department of Transportation publication "Manual on Traffic Controls and safe Practices for Street and Highway Construction, Maintenance and Utility Operations."

4. The District Engineer shall be the final authority as to the quality and quantity of the material and works required to satisfy the terms and conditions of this Permit as they relate to District improvements and facilities.

5. Upon completion of the permitted activity and after its final review and acceptance by the District Engineer THE PERMITTEE SHALL DELIVER TO THE DISTRICT OFFICE ONE COMPLETE SET OF THE FINAL "RECORD DRAWINGS." FAILURE TO PROVIDE THE FINAL RECORD DRAWINGS MAY RESULT IN THE REVOCATION, CANCELLATION AND TERMINATION OF THIS PERMIT.

6. The above Conditions shall be continuing obligations of the Permittee and shall be complied with in the event of any subsequent maintenance, repair, replacement or modification of the permitted improvement.

Stipulations:

1). Permit #26-113 is approved according to the plans submitted June 15th, 2026.

2). The proposed aerial crossing must maintain a minimum clearance of 40 feet above the elevation of the top of the canal bank as measured from the final sag point, in accordance with the District's standards.

3). All guy wires, poles, pull boxes, etc. must be located outside of the canal right of way and not interfere with the District's canal maintenance activities.

4). All canal R/W that is disturbed must be restored with sod and maintained until well established (no seeding will be allowed).

5). The Permittee will be responsible for any repairs, alterations, or relocation of the utility if required for repairs or maintenance of the canal in the future.

6). Provide LAMSID with a copy of your record drawings showing where your utilities are located in relation to the canal R/W and at what elevation they are located, within 30 days following completion of the improvements.

7). Lee County DOT must review and approve the utility work that is outside of the canal right of way along Williams Ave.

06 - 05 - 26

26 - 113

APPLICATION FOR A PERMIT

*Note: The review of permit applications will be conducted per the Lehigh Acres Municipal Services Improvement District's Administrative Policy and Procedures

AGENT NAME: Jaisheelraj Bommala (LCEC) **PHONE #:** (239) 744-7965

PROJECT NAME: OH Transmission Line Crossing on Able Canal

TOTAL ACREAGE:

Property Address (STRAP associated with this address will be used as the primary STRAP for this project): 1100 LEE BLVD,LEHIGH ACRES FL 33936					
Mailing Address:					
City:	LHA	**State:**	FL	**Zip:**	

STRAP NUMBERS (*attach additional sheet if necessary*):

3	0	-	4	4	-	2	7	-	0	0	-	0	0	0	0	1	-	0	0	6	A
		-			-			-			-						-				
		-			-			-			-						-				
		-			-			-			-						-				
		-			-			-			-						-				

Brief description of proposed project:

Application for:

Proposed Overhead facilities, 3 wire, 138kV

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JUN 15 2026
LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

Is the project proposed to be developed in phases? No

Estimated # of Phases:		
***Permit Fee:**	$4,050.00	**(to be verified by staff)**

* See Administrative Policy and Procedures Sections 4.15 – 4.17 for current Permit Fee Amount.

PART II

OWNER/APPLICANT/ DEVELOPER INFORMATION

A.

Name of Applicant:	LCEC						
Mailing Address:	**Street:**	PO BOX 3455					
City:	North Fort Myers	**State:**	FL			**Zip:**	33918-3455
Phone No.	**Area Code:**	239	**Number:**	744 - 7965		**Ext.**	
Fax No.	**Area Code:**		**Number:**	-			
E-mail Address:	jai.bommala@lcec.net						

B. Relationship of applicant to property*:
Owner* - LCEC **Option holder*** **Lessee***

Trustee* **Contract** **Other (indicate)***

Purchaser* **C.**

Name of Developer:							
Mailing Address:	**Street:**						
City		**State:**				**Zip:**	
Phone No.	**Area Code:**	( )	**Number:**	-		**Ext.**	
Fax No.	**Area Code:**	( )	**Number:**	-			
E-mail Address:							

D.

Name of Authorized Agent(s):						
Mailing Address:	Street:					
City		State:			Zip:	
Phone No.	Area Code:	( )	Number:	-	Ext.	
Fax No.	Area Code:	( )	Number:	-		
E-mail Address:						

E.

Name of Property Owner:						
Mailing Address:	Street:					
City		State:			Zip:	
Phone No.	Area Code:	( )	Number:	-	Ext.	
Fax No.	Area Code:	( )	Number:	-		
E-mail Address:						

*A disclosure of the name of all persons or entities having an ownership interest in the property is required (attached).

PART III

DISCLOSURE OF OWNERSHIP INTEREST FORM FORM:

__ - __ - __ - __ - __ - __

PRIMARY STRAP NUMBER:

1. If the property is owned in the fee simple by an **INDIVIDUAL**, tenancy by the entirety, tenancy in common, or joint tenancy, list all parties with an ownership interest as well as the percentage of such interest.

Name and Address	Percentage of Ownership

2. If the property is owned by a **CORPORATION**, list the officers and stockholders and the percentage of stock owned by each.

Name, Address, Office	Percentage of Stock

3. If the property is in the name of a **TRUSTEE**, list the beneficiaries of the trust with percentages of interest.

Name and Address	Percentage of Interest

4. If the property is in the name of a **GENERAL PARTNERSHIP OR LIMITED PARTNERSHIP**, list the names of general and limited partners.

Name and Address	Percentage of Interest

5. If there is a **CONTACT FOR PURCHASE**, whether contingent on this application Or not, and whether a Corporation, Trustee, or Partnership, list the names of the contract purchasers below, including the officers, stockholders, beneficiaries, or partners.

Name and Address	Percentage of Interest

Date of Contract (mm/dd/yy): / /

6. If any contingency clause or contract terms involve additional parties, list all individuals or officers, if a corporation, partnership, or trust.

Name and Address	Percentage of Interest

For any changes of ownership of changes in contracts for purchase subsequent to the date of the application, but prior to the date of final certificate for compliance, a supplemental disclosure of interest must be filed.

The above is a full disclosure of all parties of interest in this application, to the best of my knowledge and belief.

SIGNATURE OF APPLICANT

Jaisheelraj Bommala

PRINTED OR TYPED NAME OF APPLICANT

STATE OF FLORIDA
COUNTY OF LEE

The foregoing instrument was acknowledged before me this 11 day of June (m), 2026 (y), by Y who is personally know to me or has produced _____ as identification.

LEAH BETH MALDONADO
Notary Public - State of Florida
Commission # HH 703564
My Comm. Expires Jul 28, 2029
Bonded through National Notary Assn.

SIGNATURE OF NOTARY PUBLIC

Leah Maldonado

LEAH BETH MALDONADO
Notary Public - State of Florida
Commission # HH 703564
My Comm. Expires Jul 28, 2029
Bonded through National Notary Assn.

PRINTED NAME OF NOTARY PUBLIC

PART IV

EXPLANATION

All Permit Application sections must be completed and submitted.

Permit Application fees and submittal items (see Part VI) must be submitted with the application.

Any and all work involving the lands and/or facilities of the District shall not commence without a Board approved permit.

All set policies, procedures, technical requirements, and fee schedules can be found and reviewed in the 'Administrative Policy and Procedures Guide'. The Guide is available at the District Office located at 601 East County Lane, Lehigh Acres, FL or online at la-msid.com/.

PART V

PROFESSIONAL CONSULTANT FORM

ATTORNEY

Name:					
Mailing Address:					
City:		**State:**		**Zip:**	
Business No.	**Area Code:** ( )	**Number:**	-	**Ext.**	
Other Contact:					

ENGINEER

Name:	Jaisheelraj Bommala				
Mailing Address:	4980 Bayline Dr				
City:	North Fort Myers	**State:** FL		**Zip:**	33916
Business No.	**Area Code:** (239)	**Number:**	744 - 7965	**Ext.**	
Other Contact:					

OTHER REPRESENTATIVE/PROFESSIONAL

Name:					
Mailing Address:					
City:		**State:**		**Zip:**	
Business No.	**Area Code:** ( )	**Number:**	-	**Ext.**	
Other Contact:					

PART VI

SUBMITTALS

NO. OF COPIE		SUBMITTAL DOCUMENT
SUB'D	REQ'D	
		ITEMS REQUIRED FOR INITIAL SUBMITTA
2	2	**Construction/Development Plans** signed and sealed by a L Florida Professional Engineer including: 1. Location map showing the location of the proposed project in re adjacent streets and LA-MSID facilities. 2. Details of proposed works that fully communicate the work and, desired (i.e. Existing Conditions Survey, Proposed Site Plan, Pavi Grading & Drainage Plan, Cross Sections, Element Details, and I Control Plan sheets). 3. Sufficient survey data to determine elevations, property and ROV limits of existing and proposed conditions, and notation of utiliz vertical datum (NAVD/NGVD).

N/A	2	**Stormwater Drainage Calculations** signed and sealed by a L Florida Professional Engineer including, but not limited to, co stormwater routing modeling data (ICPR4, Cascade, etc.) to ve compliance with the Design Criteria (input summary data belc **Water Quality Volume (Required):** _____(ACI **Water Quality Volume (Provided):** _____(AC **Control Elevation:** _____(FT-N **Minimum Road/Parking Elevation:** _____(FT-N *(above the 10-year, 1-day design storm peak stage elevation)* **Minimum Perimeter Berm Elevation:** _____(FT-N *(above the 25-year, 3-day design storm peak stage elevation)* **Minimum Finished Floor Elevation:** _____(FT-N *(above the 100-year, 3-day design storm peak stage elevation ar previously experienced high-water levels external to project)*
2	2	**Flash Drive / CD** containing plans in both AutoCAD (.dwg drawn in "State Plane Coordinates") and PDF formats.
2	2	**Permit Application** (PARTS I & II)
2	2	**Disclosure of Owner Form (signed and notarized)** (PART
2	2	**Professional Consultant Form & Submittals** (PARTS V &
N/A	2	**Copy of Approved FDEP Notice of Intent (NOI)** for all s (1) acre and greater in size.
N/A	2	**Copy of approved SWFMD permit**, for all sites required to permit, **or FDEP "10/2 Self-Certification"** approval.
1	1	**Check for appropriate Permit Fees** made out to LA-MSID.

LCEC
PEOPLE. POWER. POSSIBILITIES.
P.O. Box 3455 • North Fort Myers, FL 33918-3455

PLEASE DETACH . . . RETAIN

No. 41812 (EFT)
Date: 07/01/2026

DATE	INVOICE	DESCRIPTION		GROSS	NET
06/29/2026	06292026	PERMIT APPLICATION WO 401062141		6,330.00	6,330.00
	Vendor: 6273 LEHIGH ACRES MSID		Totals:	6,330.00	6,330.00

Direct Deposit Information
Financial Institution: SYNOVUS BANK
Account: **********9803

Permit # 26-112 = $ 2,280.00

26-113 = $ 4,050.00

LCEC
PEOPLE. POWER. POSSIBILITIES.
P.O. Box 3455 • North Fort Myers, FL 33918-3455

No. 41812 (EFT)
64-10/610

TRUIST

PAY TO THE ORDER OF
LEHIGH ACRES MSID
601 EAST COUNTY LANE
LEHIGH ACRES FL 33936

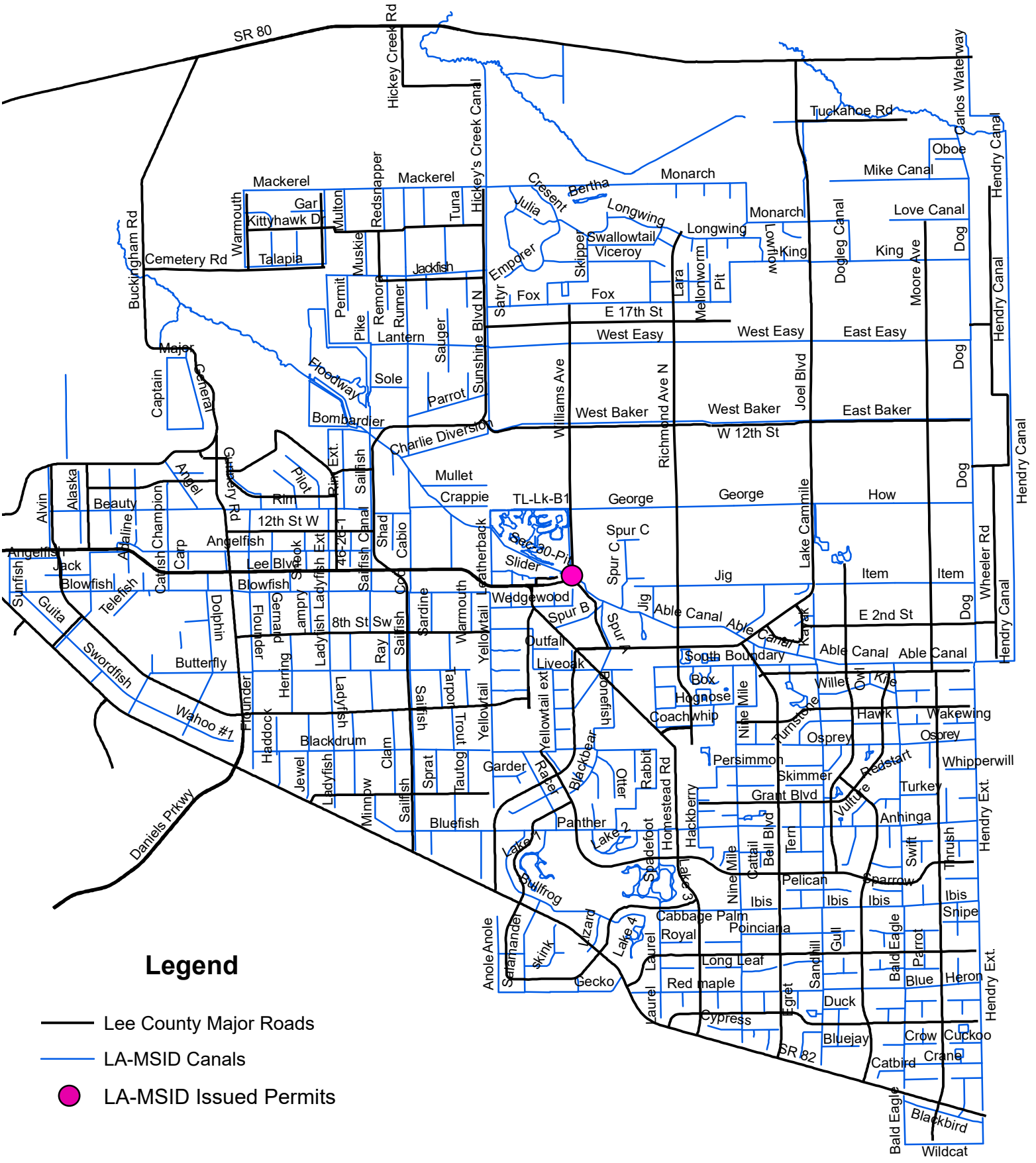
DATE	CHECK NO.	AMOUNT
07/01/2026	41812	$*****6,330.00

Notice of Fund Transfer

NON-NEGOTIABLE

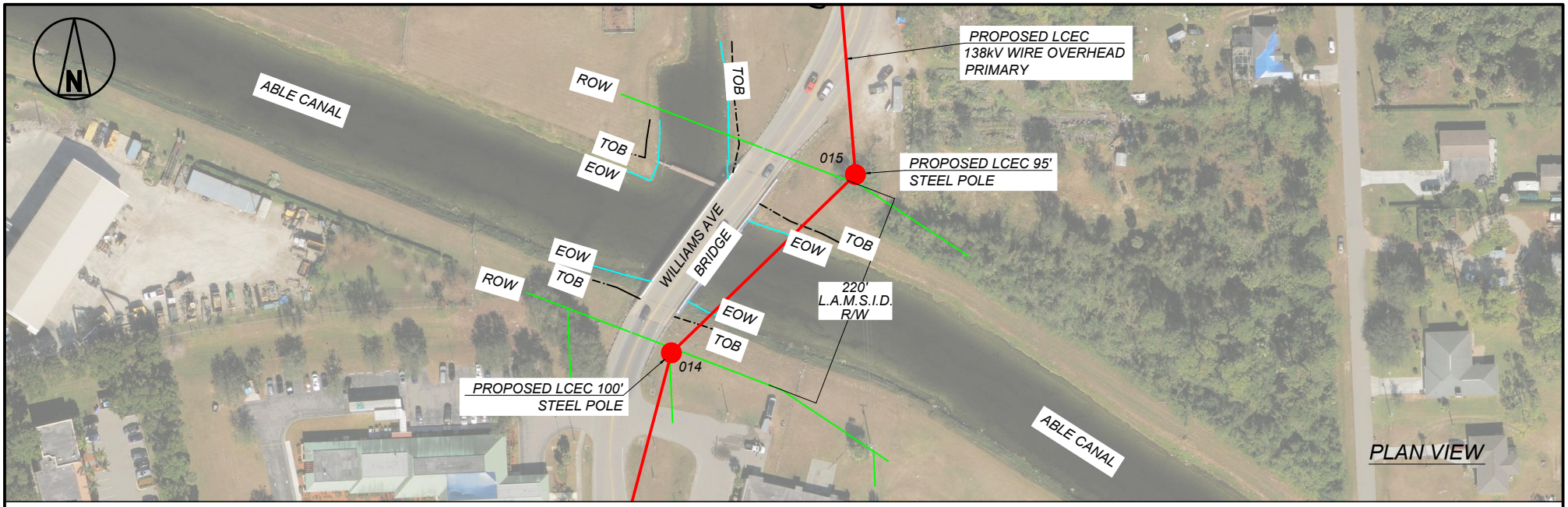
6273

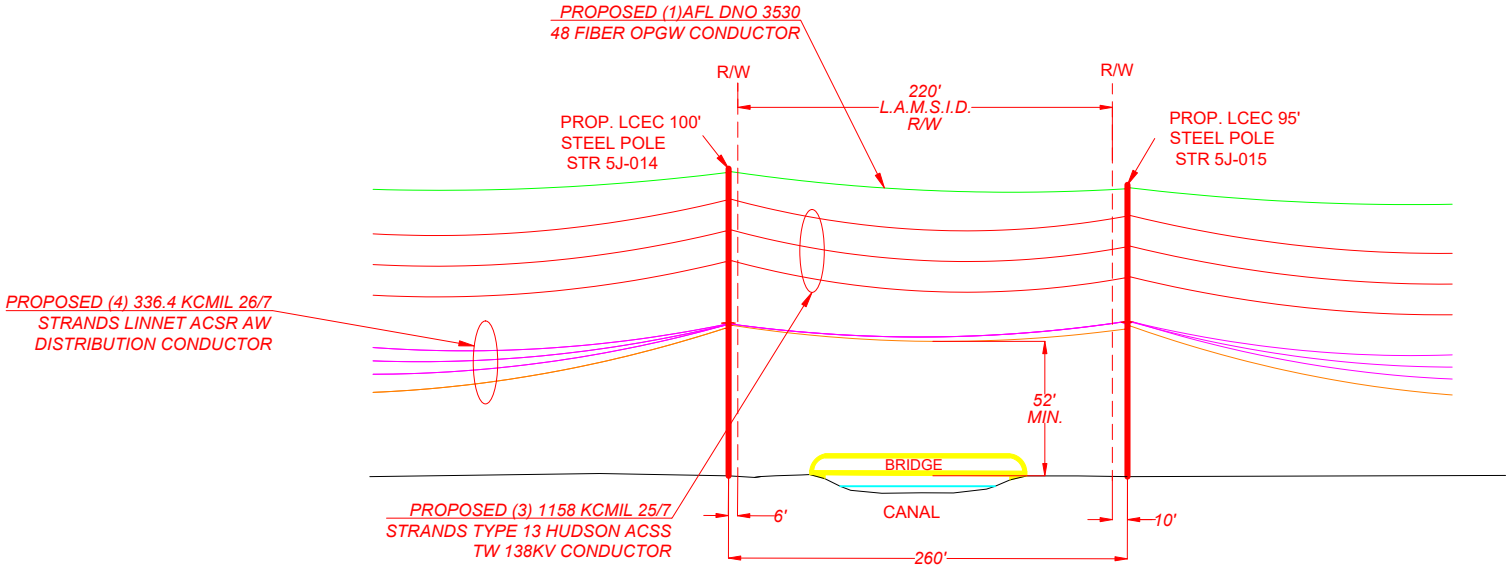
Permit # 2026-113



Legend

- Lee County Major Roads
- LA-MSID Canals
- LA-MSID Issued Permits





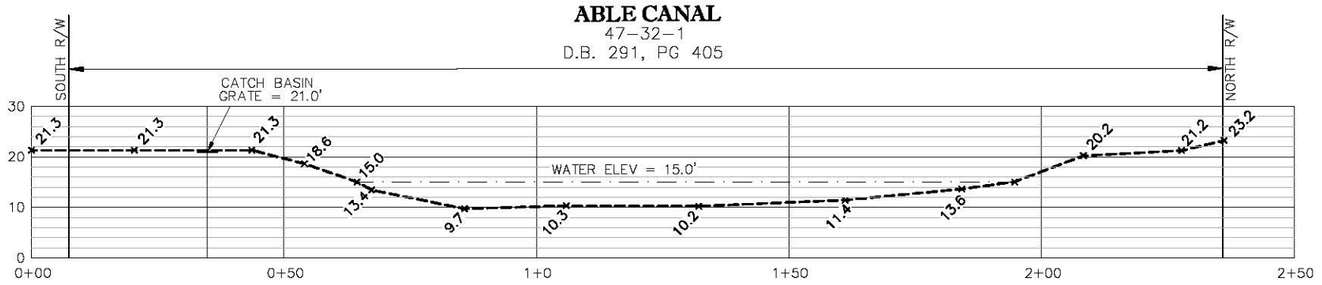
PROFILE VIEW
(LOOKING WEST)

Dwn. By: DL (LWE)	LEHIGH ACRES M.S.I.D. PERMIT FOR OVERHEAD CANAL CROSSING.	LCEC LEE COUNTY ELECTRIC COOPERATIVE, INC.	REVISIONS:
Date: 05/28/2026			
Scale: NTS			
Appr. By:			
Sheet No.: 1 of 1	LEHIGH ACRES, LEE COUNTY	4980 Bayline Dr., N. Ft. Myers, FL. 33917 (800)-282-1643	

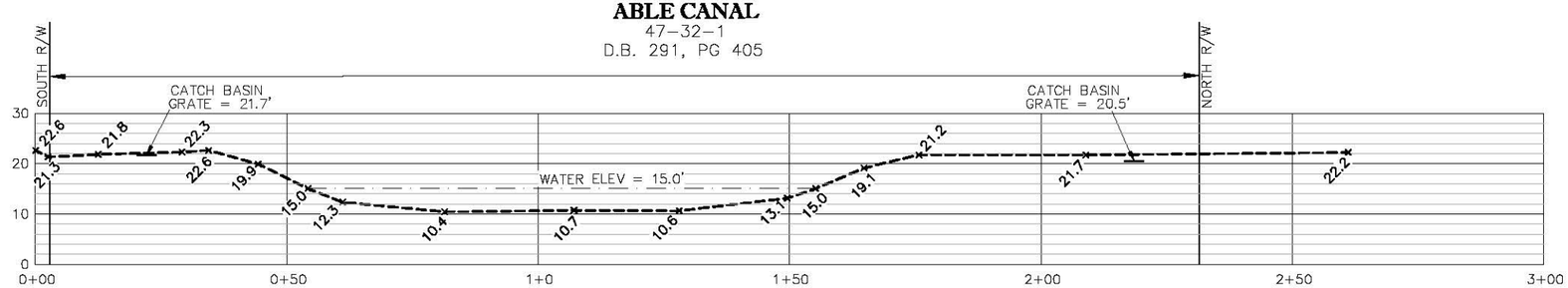
ASBUILT SURVEY

OF A PARCEL OF LAND LYING IN SECTION 30, TOWNSHIP 44 SOUTH, RANGE 27 EAST, LEHIGH ACRES, LEE COUNTY, FLORIDA

0 15' 30'
(1" = 30')
GRAPHIC SCALE



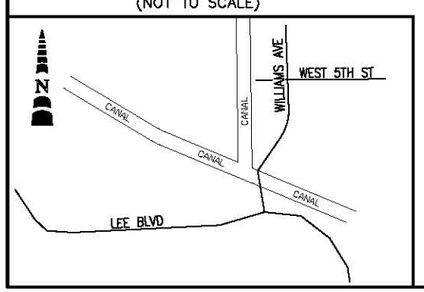
A-A PROFILE VIEW



B-B PROFILE VIEW

1" = 30' HORIZONTAL
1" = 30' VERTICAL

VICINITY SKETCH
(NOT TO SCALE)



NOTE:
SEE SHEET 2 OF 2 FOR PLAN VIEW AND LEGEND

SURVEY CONSISTS OF 2 PAGES
NOT VALID WITHOUT BOTH PAGES

THIS SURVEY HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY TIMOTHY LEE MANN USING A DIGITAL SIGNATURE AND DATE. PRINT COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

NOTES:

SURVEY BASED ON THE PLAT OF LEHIGH ACRES UNIT 1 AS RECORDED IN DEED BOOK 254, PAGE 20, OTHER DEEDS AND PROPERTY RECORDS ON FILE IN THE PUBLIC RECORDS OF LEE COUNTY, FLORIDA AND EXISTING MONUMENTATION.

THIS PLAT PREPARED AS AN ASBUILT SURVEY FOR THE PURPOSE OF LOCATING THE FEATURES WITHIN AND ADJACENT TO THE ABLE CANAL CROSSING WILLIAMS AVE BETWEEN LEE BOULEVARD AND WEST 5TH ST, LEHIGH ACRES.

THE ELEVATIONS SHOWN HEREON ARE NORTH AMERICAN VERTICAL DATUM OF 1988 (N.A.V.D. 88) IN FEET AND DECIMALS THEREOF AND BASED UPON CONTINUOUSLY OPERATING FLORIDA PERMANENT REFERENCE NETWORK (FPRN) STATIONS MAINTAINED BY THE FLORIDA DEPARTMENT OF TRANSPORTATION.

PARCEL LIES WITHIN INSURANCE RATE MAP 125124 0475F, PANEL NOT PRINTED, THEREFORE HAS NO BASE FLOOD ELEVATION.

THE F.E.M.A. FLOOD ZONE INFORMATION INDICATED HEREON IS BASED ON MAPS SUPPLIED BY THE FEDERAL GOVERNMENT. THIS FLOOD INFORMATION MUST BE VERIFIED WITH ALL PERMITTING REGULATORY ENTITIES PRIOR TO COMMENCING ANY WORK OR APPLICATION DEPENDENT ON SAID FLOOD INFORMATION.

UNDERGROUND IMPROVEMENTS, UTILITIES AND/OR FOUNDATIONS WERE NOT LOCATED UNLESS OTHERWISE NOTED.

WETLANDS, IF ANY, WERE NOT LOCATED.

SUBJECT TO EASEMENTS, RESTRICTIONS, RESERVATIONS AND RIGHTS-OF-WAY (RECORDED AND UNRECORDED, WRITTEN AND UNWRITTEN).

DATE OF LAST FIELD WORK: 3-20-2026.

TIMOTHY LEE MANN
LICENSE NUMBER
LS 5838
STATE OF FLORIDA
PROFESSIONAL SURVEYOR & MAPPER

Timothy L Mann
Digitally signed by Timothy L Mann
Date: 2026.03.25 09:08:29 -04'00'

BY: _____
TIMOTHY LEE MANN
PROFESSIONAL SURVEYOR AND MAPPER
FLORIDA CERTIFICATE NO. LS# 5838

NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.

THIS SURVEY IS ONLY FOR THE LANDS AS DESCRIBED. IT IS NOT A CERTIFICATE OF TITLE, ZONING, EASEMENTS OR FREEDOM OF ENCUMBRANCES.

THIS SURVEY WAS PREPARED WITHOUT BENEFIT OF AN ABSTRACT OF TITLE AND ALL MATTERS OF TITLE SHOULD BE REFERRED TO AN ATTORNEY AT LAW.

WILLIAMS AVE, LEHIGH ACRES

TITLE: ASBUILT SURVEY

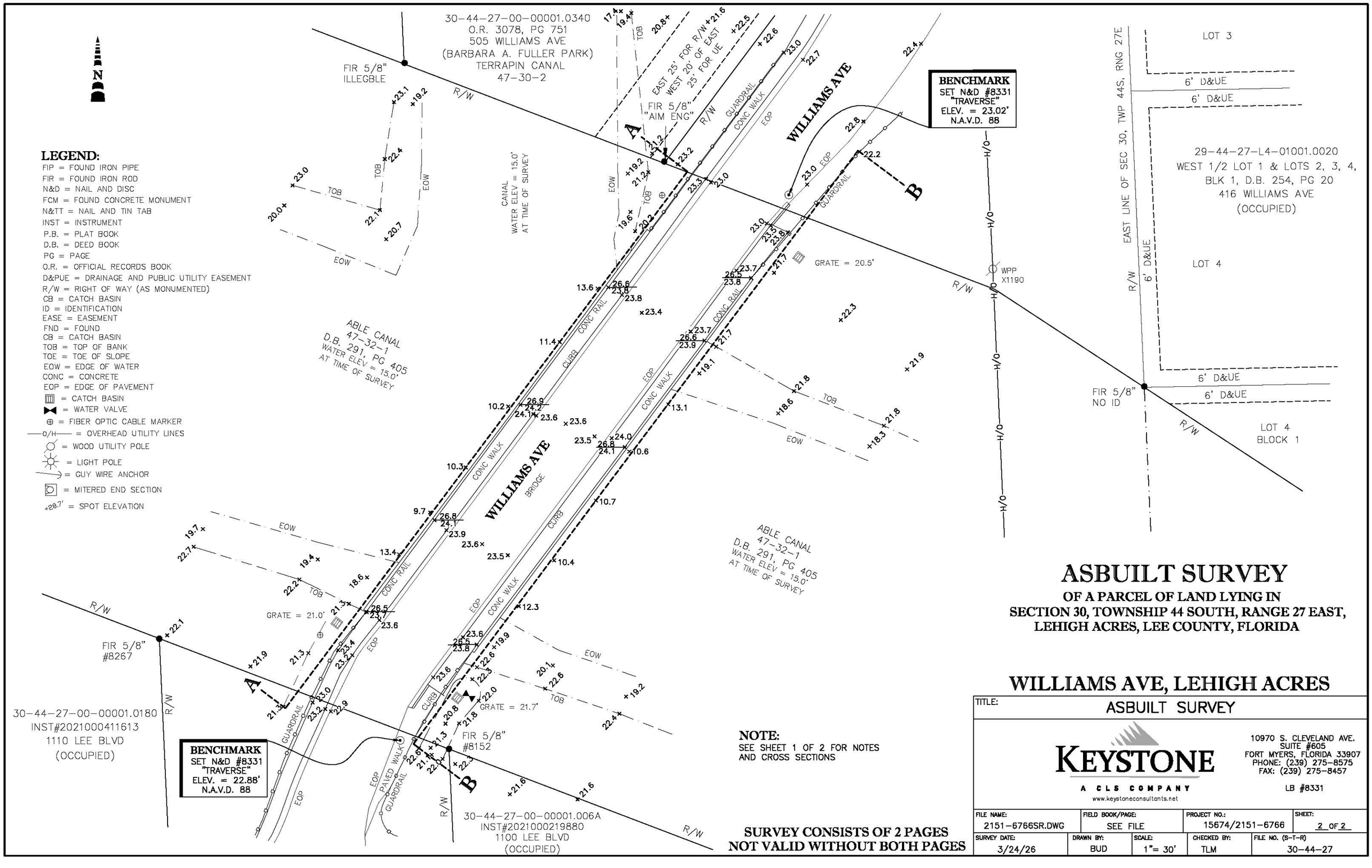
KEYSTONE
A CLS COMPANY
www.keystoneconsultants.net

10970 S. CLEVELAND AVE.
SUITE #605
FORT MYERS, FLORIDA 33907
PHONE: (239) 275-8575
FAX: (239) 275-8457

LB #8331

FILE NAME:	FIELD BOOK/PAGE:	PROJECT NO.:	SHEET:
2151-6766SR.DWG	SEE FILE	15674/2151-6766	1 OF 2

SURVEY DATE:	DRAWN BY:	SCALE:	CHECKED BY:	FILE NO. (S-T-R)
3/24/26	BUD	1"= 30'	TLM	30-44-27



ASBUILT SURVEY

OF A PARCEL OF LAND LYING IN SECTION 30, TOWNSHIP 44 SOUTH, RANGE 27 EAST, LEHIGH ACRES, LEE COUNTY, FLORIDA

WILLIAMS AVE, LEHIGH ACRES

NOTE:
SEE SHEET 1 OF 2 FOR NOTES AND CROSS SECTIONS

SURVEY CONSISTS OF 2 PAGES
NOT VALID WITHOUT BOTH PAGES

TITLE: ASBUILT SURVEY

KEYSTONE
A CLS COMPANY
www.keystoneconsultants.net

10970 S. CLEVELAND AVE.
SUITE #605
FORT MYERS, FLORIDA 33907
PHONE: (239) 275-8575
FAX: (239) 275-8457

LB #8331

FILE NAME:	FIELD BOOK/PAGE:	PROJECT NO.:	SHEET:
2151-6766SR.DWG	SEE FILE	15674/2151-6766	2 OF 2

SURVEY DATE:	DRAWN BY:	SCALE:	CHECKED BY:	FILE NO. (S-T-R)
3/24/26	BUD	1"= 30'	TLM	30-44-27

PART IV #26-113

Recommended Action

Engineering Review:

By: _____ 6/17/2026 **Approved** _X_ **Denied** __

District Field Review:

By: _____ **Approved** ___ **Denied** ___

District Manager: _____ **Date**: _____

Comments:

The referenced permit application submitted by LCEC for an aerial crossing over Able Canal (46-25-1) at 1100 Lee Blvd., in Lehigh Acres, has been reviewed and is recommended for approval with the following stipulations:

1. Please include existing ground elevations, as shown in the survey, on the aerial crossing section of the plans. This should clearly illustrate the proposed elevation of the overhead utility lines relative to existing ground conditions. If applicable, also show any existing overhead wires and their corresponding surveyed elevations.

2. Overhead utility crossings through the district's right-of-way must maintain a minimum clearance of forty feet (40') from the lowest point of cable sag to the highest adjacent ground or levee elevation, in accordance with District standards.

3. All guy wires should not interfere with the district's maintenance. All guy wires should be noted on design plans and placed in locations that will not block the district's access or maintenance areas.

4. Any disturbed canal R/W must be restored with sod and maintained until fully established. Seeding will not be permitted.

5. Within 30 days of completing the improvements, provide LA-MSID with a copy of the survey record drawings indicating the location and elevation of utilities within the canal R/W.

6. The permittee will be responsible for any necessary repairs, alterations, or relocation of the utility if required for future maintenance or repairs of the canal.

7. Lee County DOT must review and approve any utility work proposed within the County Road R/W.

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

AGENDA ITEM SUMMARY

Subject: PER #26-114 – Comcast Bore under Tanager Canal (57-13-4) at Genoa Ave S

Meeting Date: July 20, 2026

Agenda Item # 2K

[x] **CONSENT** [ ] **ACTION** [ ] **OLD BUSINESS** [ ] **NEW BUSINESS**

Request Initiated By: [ ] **COMMISSIONER** _____ [ ] **ATTORNEY**

[ ] **BOARD** [ ] **MANAGER** [ ] **ENGINEER** [ ] **AUDITOR**

1 Recommended motion: Move to approve PER #26-114 – Comcast Bore under Tanager Canal (57-13-4) at Genoa Ave S, with any listed stipulations.

2 What the action accomplishes: Allows Comcast to install fiber cables under District canals while ensuring they stay 10-feet below the bottom elevation of each canal.

3 Fiscal Impact: Permit Fee: $1,950.00

4 Staff comments: Approved according to the plans submitted June 22, 2026.

5 Staff review and recommended approval:

[ ] **MANAGER** [ ] **ASSISTANT DISTRICT MGR**

[ ] **ATTORNEY** [ ] **FIELD SUPERINTENDENT**

[ ] **ENGINEER** [ ] **CONTROLLER**

6 Board Action:

[ ] **APPROVED** [ ] **DENIED** [ ] **DEFERRED**

LEHIGH ACRES - MUNICIPAL SERVICES IMPROVEMENT DISTRICT
PERMIT

THIS PERMIT is granted this 20th day of July, 2026, by Lehigh Acres Municipal Services Improvement District (hereinafter referred to as "DISTRICT"), 601 East County Lane, Lehigh Acres, Florida 33936, to Comcast Cable Communications, 12600 Westlinks Drive, Suite #4, Fort Myers, FL 33913, hereinafter referred to as the "Permittee") as a non-exclusive permit for a directional bore under Tanager Canal (57-13-4), along the east side of Genoa Ave. S., between Amherst St. E. & Artic St. E., in Lehigh Acres, FL.

W I T N E S S E T H:

1. In the event the DISTRICT is not the fee title owner of the real property (the "Property") to which this Permit is applicable, the Permittee agrees, prior to commencement, to obtain all necessary consents from the fee title owners of the Property.

2. This Permit does not constitute a waiver of the necessity by the Permittee to obtain such other necessary and appropriate permits required by other governmental bodies or agencies; therefore the Permittee, prior to commencement, is required to obtain any and all other applicable federal, state, and local permits required in connection with Permittee's use of the Property and agrees that at all times it will comply with the requirements of all federal, state and local laws, ordinances, rules and regulations applicable or pertaining to the use of the Property by the Permittee.

3. Permittee understands and agrees that the use of the Property pursuant to this Permit is subordinate to the rights and interests of the DISTRICT and to the extent applicable that of the fee title owner of the Property. Further, Permittee does hereby stipulate that the Permittee is not relying upon any representations whatsoever by the DISTRICT regarding the DISTRICT'S right, title, interest, or ownership as to the Property for which this Permit is applicable.

4. The Permittee, by accepting this permit, specifically agrees to allow authorized District Personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:
    a. Having access to and copying any records that must be kept under the conditions of the permit:
    b. Reviewing the facility, equipment, practices, or operations regulated or required under this permit; and
    c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or District rules.

5. The DISTRICT specifically reserves the right to maintain its facilities located over, under or upon the Property; to make improvements; add additional facilities; maintain, construct or alter its roads; maintain any facilities, devices, or improvements on the Property which aid in or are necessary to the DISTRICT'S operation; and the right to enter upon the Property at all times for such purposes. Permittee understands that in the exercise of such rights and interest, the DISTRICT may require Permittee, at no cost to DISTRICT, to relocate, alter, or remove the Permittee's facilities and equipment or other improvements made by Permittee pursuant to this Permit which interfere with or prevent the DISTRICT, in the DISTRICT'S opinion, from properly and faithfully constructing, improving and maintaining its facilities. If the Permittee should fail to relocate, alter, or remove the Permittee's facilities, equipment or other improvements made by the Permittee pursuant to this Permit within a reasonable time period following receipt of notice from the DISTRICT requesting same, then in that event the DISTRICT shall have the right to enter upon the lands and make such relocation, alterations or removal of the Permittee's facilities, equipment/or other improvements at no cost to DISTRICT.

6. Permittee agrees that it will not use the Property in any manner which interferes with the DISTRICT'S

use of the Property or causes a hazardous condition to exist.

7. The DISTRICT assumes no responsibility for the ownership, operation and/or maintenance of the Permittee's facilities as permitted herein.

8. The Permittee agrees to backfill any excavation it makes within the Property and to repair or replace (i) any below-grade authorized facilities and features located therein, including but not limited to: water, sewer, stormwater or irrigation facilities, structures or appurtenances and (ii) as to at or above-grade facilities and features, this requirement shall only be applicable to grasses and sod, sidewalks, and roadway improvements (the term roadway improvements shall include but not be limited to curbing, roadway base, sub grade and asphaltic or concrete surfaces) which are removed or damaged as a direct result of said excavation. Such repair or replacement shall substantially restore these features to their condition as it existed immediately prior to the event precipitating the excavation.

9. All below-grade Permittee installations, including water and sewer lines, whether sub aqueous or not, together with appurtenant facilities, shall be located underground and have a minimum ground cover of thirty inches (30") below original design profile grade, including District waterways and roadways.

10. All Permittee activity related to sub aqueous utility, water and/or sewer lines, including appurtenant facilities, shall be conducted in such fashion that the primary functional purpose of the canal or lake body facility, specifically flood control, within which the activity is taking place is not adversely affected. More specifically, sub aqueous construction shall conform to the criteria given in the Lehigh Acres Municipal Services Improvement District (Lehigh Acres – MSID) Administrative Policy and Procedures.

11. Permittee shall, at no expense to DISTRICT and within a reasonable time following notice, adjust the positions and elevations of its facilities as may be required in connection with future improvements to, or construction of, works of the DISTRICT.

12. Permittee does hereby indemnify and hold harmless the DISTRICT, its Board of Commissioners, officers, personnel, and it's Engineers against any claims, losses, damages (including consequential), expenses, or legal fees that might arise out or result from the implementation of the proposed project by the Permittee or that may be caused by a failure of DISTRICT facilities or property.

13. The Permittee shall be obligated at the time of submission of its Permit application, to provide a detail of any other existing improvements located over, under, upon or through the Property and the Permittee's accompanying plans and specifications shall clearly indicate how the Permittee will comply with required clearances between the requested permitted activity and existing improvements located over, under and upon the Property, including compliance with other permitted users duly adopted and published standards.

14. Permittee shall reimburse the DISTRICT for its legal, engineering and other expenses incurred as a result of the implementation of the proposed project.

15. If Permittee should violate any of the terms or conditions of the Permit and shall not correct or remedy same within ten (10) days of receiving written notice of said violation from the DISTRICT, then in that event, the DISTRICT may, at its option, revoke, cancel and terminate this Permit.

16. This Permit may not be assigned by the Permittee without the prior written approval of the DISTRICT.

17. Unless otherwise adjusted, modified or terminated as set forth hereinabove, including the Conditions attached hereto, this Permit shall continue in full force and effect so long as Permittee complies with the

terms of this Permit.

18. In any litigation, including breach, enforcement or interpretation arising out of this Permit, the prevailing party to this Permit shall be entitled to recover reasonable attorney's fees, costs and expenses related to said action from the non-prevailing party.

19. That attached hereto are Supplemental Conditions to this Permit which are incorporated herein and made a part hereof.

LEHIGH ACRES – MUNICIPAL SERVICES IMPROVEMENT DISTRICT

BY: _____

NAME TYPED: David E. Lindsay

TITLE: District Manager

SUPPLEMENTAL CONDITIONS TO PERMIT NO. 26-114

A. GENERAL CONDITIONS

1. Notification shall be given by the Permittee to the District Engineer, AIM Engineering, at 239-332-4569 forty-eight (48) hours prior to commencement of the permitted activity. The District Engineer shall establish points of construction, if applicable, which will require inspection by the District Engineer prior to construction of the permitted activity. When the Permittee considers the permitted activity complete, the Permittee shall notify the District Engineer and schedule an on-site final inspection which shall be held in the presence of a representative of the Permittee and the District Engineer.

2. The permitted activity shall be implemented, constructed and/or installed in full accordance with the approved plans and specifications within six (6) full calendar years from the date of permit approval. Deviations from the approved plans or specifications shall be coordinated with and approved by the District Engineer prior to implementation of any such deviation.

3. When working in a District road right-of-way, not more than one-half (½) of the road or street shall be closed and traffic shall be controlled so as to provide for the safety and minimum hindrance to the public. All traffic control operations shall conform to the most current issue of the Florida Department of Transportation publication "Manual on Traffic Controls and safe Practices for Street and Highway Construction, Maintenance and Utility Operations."

4. The District Engineer shall be the final authority as to the quality and quantity of the material and works required to satisfy the terms and conditions of this Permit as they relate to District improvements and facilities.

5. Upon completion of the permitted activity and after its final review and acceptance by the District Engineer THE PERMITTEE SHALL DELIVER TO THE DISTRICT OFFICE ONE COMPLETE SET OF THE FINAL "RECORD DRAWINGS." FAILURE TO PROVIDE THE FINAL RECORD DRAWINGS MAY RESULT IN THE REVOCATION, CANCELLATION AND TERMINATION OF THIS PERMIT.

6. The above Conditions shall be continuing obligations of the Permittee and shall be complied with in the event of any subsequent maintenance, repair, replacement or modification of the permitted improvement.

Stipulations:

1). Permit #26-114 is approved according to the plans submitted June 22nd, 2026.

2). The proposed directional bore must maintain a minimum clearance of 10 feet below the bottom elevation of the canal for the entire 80' within the canal right of way.

3). Permanent utility markers, (at least 4' high) with the utility companies contact information clearly labeled on it, must be installed at each canal right of way line over top the proposed line.

4). All guy wires, poles, pull boxes, etc. must be located outside of the canal right of way and not interfere with the District's canal maintenance activities.

5). All canal R/W that is disturbed must be restored with sod and maintained until well established (no seeding will be allowed).

6). Boring contractor is not allowed to pump water out of the LAMSID canals for their boring operations unless they apply for and receive a water use permit from LAMSID.

7). The Permittee will be responsible for any repairs, alterations, or relocation of the utility if required for repairs or maintenance of the canal in the future.

8). Provide LAMSID with a copy of your record drawings and a copy of your bore depth logs showing where your utilities are located within the canal R/W and at what elevation they are located, within 30 days following completion of the improvements.

9). Lee County DOT must review and approve the utility work that is outside of the canal right of way along Genoa Ave. S.

PART I

DATE SUBMITTED: 06 - 22 - 26

PERMIT #: 26 - 114

APPLICATION FOR A PERMIT

*Note: The review of permit applications will be conducted per the Lehigh Acres Municipal Services Improvement District's Administrative Policy and Procedures

AGENT NAME: JOANIE GEORGE **PHONE #:** (757)650-4070

PROJECT NAME: JB0002369635-LEE2-FLLAT00100-PH1-P3

TOTAL ACREAGE: 0.05

Property Address (STRAP associated with this address will be used as the primary STRAP for this project): 1104 AMHERST ST E					
Mailing Address:	**NA**				
City:	**LEHIGH ACRES**	**State:**	**FL**	**Zip:**	**33974**

STRAP NUMBERS (*attach additional sheet if necessary):*

26		44		26		L2		08050		0070	

Brief description of proposed project:

Application for: Comcast proposes to bore 150' across Tanager Canal
Starting North on Amherst St E going South crossing Tanager Canal

Is the project proposed to be developed in phases? ☐ Yes X No

Estimated # of Phases:	1	
***Permit Fee:**	$ 1,950.00	**(to be verified by staff)**

* See Administrative Policy and Procedures Sections 4.15 – 4.17 for current Permit Fee Amount.

RECEIVED
JUN 22 2026
LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

PART II

OWNER/APPLICANT/ DEVELOPER INFORMATION

A.

Name of Applicant	Comcast Cable Communications - Marc Louis						
Mailing Address:	Street:	12600 Westlinks Dr #4					
City:	Ft Myers	State:	FL		Zip:	33913	
Phone No.	Area Code:	239	Number:	986-7043	Ext.		
Fax No.	Area Code:		Number:	-			
E-mail Address:	Marc_louis@cable.comcast.com						

B. Relationship of applicant to property*:

☐ Owner* ☐ Trustee* ☐ Option holder* ☐ Lessee*

☐ Contract Purchaser* X Other (indicate)* UTILITY

C.

Name of Developer:						
Mailing Address:	Street:					
City:		State:		Zip:		
Phone No.	Area Code:	( )	Number:	-	Ext.	
Fax No.	Area Code:	( )	Number:	-		
E-mail Address:						

D.

Name of Authorized Agent(s):	Joanie George					
Mailing Address:	Street:	13277 NE 235th Ct				
City:	Raiford	State:	FL		Zip:	32083
Phone No.	Area Code:	(757)	Number:	650-4070	Ext.	
Fax No.	Area Code:	( )	Number:	-		
E-mail Address:						

E.

Name of Property Owner:						
Mailing Address:	Street:					
City:		State:		Zip:		
Phone No.	Area Code:	( )	Number:	-	Ext.	
Fax No.	Area Code:	( )	Number:	-		
E-mail Address:						

*A disclosure of the name of all persons or entities having an ownership interest in the property is required (attached).

PART III

DISCLOSURE OF OWNERSHIP INTEREST FORM FORM:

PRIMARY STRAP NUMBER: ☐☐ - ☐☐ - ☐☐ - ☐☐ - ☐☐☐☐ - ☐☐☐☐

1. If the property is owned in the fee simple by an **INDIVIDUAL**, tenancy by the entirety, tenancy in common, or joint tenancy, list all parties with an ownership interest as well as the percentage of such interest.

Name and Address	Percentage of Ownership

2. If the property is owned by a **CORPORATION**, list the officers and stockholders and the percentage of stock owned by each.

Name, Address, Office	Percentage of Stock

3. If the property is in the name of a **TRUSTEE,** list the beneficiaries of the trust with percentages of interest.

Name and Address	Percentage of Interest

4. If the property is in the name of a **GENERAL PARTNERSHIP OR LIMITED PARTNERSHIP**, list the names of general and limited partners.

Name and Address	Percentage of Interest

5. If there is a **CONTACT FOR PURCHASE**, whether contingent on this application Or not, and whether a Corporation, Trustee, or Partnership, list the names of the contract purchasers below, including the officers, stockholders, beneficiaries, or partners.

Name and Address	Percentage of Interest

Date of Contract (mm/dd/yy): / /

6. If any contingency clause or contract terms involve additional parties, list all individuals or officers, if a corporation, partnership, or trust.

Name and Address	Percentage of Interest

For any changes of ownership of changes in contracts for purchase subsequent to the date of the application, but prior to the date of final certificate for compliance, a supplemental disclosure of interest must be filed.

The above is a full disclosure of all parties of interest in this application, to the best of my knowledge and belief.

Janie George
-SIGNATURE OF APPLICANT

Janie George
PRINTED OR TYPED NAME OF APPLICANT

STATE OF FLORIDA
COUNTY OF LEE

The foregoing instrument was acknowledged before me this 17 day of June (m), 2022 (y), by Janie George who is personally know to me or has produced _____ as identification.

Notary Public State of Florida
Ashley Woods
My Commission HH 337625
Expires 12/1/2026

Ashley Woods
SIGNATURE OF NOTARY PUBLIC

Ashley Woods
PRINTED NAME OF NOTARY PUBLIC

PART IV

EXPLANATION

All Permit Application sections must be completed and submitted.

Permit Application fees and submittal items (see Part VI) must be submitted with the application.

Any and all work involving the lands and/or facilities of the District shall not commence without a Board approved permit.

All set policies, procedures, technical requirements, and fee schedules can be found and reviewed in the 'Administrative Policy and Procedures Guide'. The Guide is available at the District Office located at 601 East County Lane, Lehigh Acres, FL or online at la-msid.com/.

PART V

PROFESSIONAL CONSULTANT FORM

ATTORNEY

Name:							
Mailing Address:							
City:		State:				Zip:	
Business No.	Area Code:	( )	Number:	-		Ext.	
Other Contact:							

ENGINEER

Name:							
Mailing Address:							
City:		State:				Zip:	
Business No.	Area Code:	( )	Number:	-		Ext.	
Other Contact:							

OTHER REPRESENTATIVE/PROFESSIONAL

Name:							
Mailing Address:							
City:		State:				Zip:	
Business No.	Area Code:	( )	Number:	-		Ext.	
Other Contact:							

PART VI

SUBMITTALS

NO. OF COPIES		SUBMITTAL DOCUMENT
SUB'D	REQ'D	
		ITEMS REQUIRED FOR INITIAL SUBMITTAL
2	2	**Construction/Development Plans** signed and sealed by a Licensed Florida Professional Engineer including: 1. Location map showing the location of the proposed project in relation to adjacent streets and LA-MSID facilities. 2. Details of proposed works that fully communicate the work and/or use desired (i.e. Existing Conditions Survey, Proposed Site Plan, Paving Grading & Drainage Plan, Cross Sections, Element Details, and Erosion Control Plan sheets). 3. Sufficient survey data to determine elevations, property and ROW lines, limits of existing and proposed conditions, and notation of utilized vertical datum (NAVD/NGVD).
N/A	2	**Stormwater Drainage Calculations** signed and sealed by a Licensed Florida Professional Engineer including, but not limited to, computer stormwater routing modeling data (ICPR4, Cascade, etc.) to verify compliance with the Design Criteria (input summary data below): **Water Quality Volume (Required):** _____(ACRE-FT) **Water Quality Volume (Provided):** _____(ACRE-FT) **Control Elevation:** _____(FT-NGVD) **Minimum Road/Parking Elevation:** _____(FT-NGVD) *(above the 10-year, 1-day design storm peak stage elevation)* **Minimum Perimeter Berm Elevation:** _____(FT-NGVD) *(above the 25-year, 3-day design storm peak stage elevation)* **Minimum Finished Floor Elevation:** _____(FT-NGVD) *(above the 100-year, 3-day design storm peak stage elevation and previously experienced high-water levels external to project)*
2	2	**Flash Drive / CD** containing plans in both AutoCAD (.dwg file drawn in "State Plane Coordinates") and PDF formats.
2	2	**Permit Application** (PARTS I & II)
2	2	**Disclosure of Owner Form (signed and notarized)** (PART III)
2	2	**Professional Consultant Form & Submittals** (PARTS V & VI)
N/A	2	**Copy of Approved FDEP Notice of Intent (NOI)** for all sites one (1) acre and greater in size.
N/A	2	**Copy of approved SWFMD permit,** for all sites required to get a permit, **or FDEP "10/2 Self-Certification"** approval.
1	1	**Check for appropriate Permit Fees** made out to LA-MSID.

COPY

TrueNet Communications Corp 061171

LEHIGH ACRES MUNICIPAL SERVICE - IMPROVEMENT DISTRICT

DATE	INVOICE NO.	DESCRIPTION	INVOICE AMOUNT	DEDUCTION	BALANCE
6/15/2026	06152026	JB0002369635 - FLLAT00100 - PH1 PERMIT 3	1,950.00		1,950.00

RECEIVED
JUN 22 2026
LEHIGH ACRES
MUNICIPAL SERVICES
IMPROVEMENT DISTRICT

CHECK DATE		CHECK NUMBER		TOTALS			

PLEASE DETACH THIS PORTION AND RETAIN FOR YOUR RECORDS 9321

DOCUMENT IS PRINTED ON CHEMICALLY REACTIVE PAPER - THE BACK OF THIS DOCUMENT INCLUDES A TAMPER EVIDENT CHEMICAL WASH WARNING BOX

THE BACK OF THIS DOCUMENT INCLUDES MICROPRINTED ENDORSEMENT LINES

061171

TrueNet Communications Corp.
90 FORT WADE RD.
SUITE 230
PONTE VEDRA, FL 32081
(904) 777-9052
APINV@TrueNetCommunications.com

Bank of America
11-35/1210 GL

Pay: **********one thousand nine hundred fifty and 00/100

DATE	CHECK NO.	AMOUNT
June 15, 2026	61171	$*****1,950.00

PAY TO THE ORDER OF
LEHIGH ACRES MUNICIPAL SERVICE - IMPROVEMENT DISTRICT
601 EAST COUNTY LANE
LEHIGH ACRES FL 33936

VOID AFTER 90 DAYS

AUTHORIZED SIGNATURE

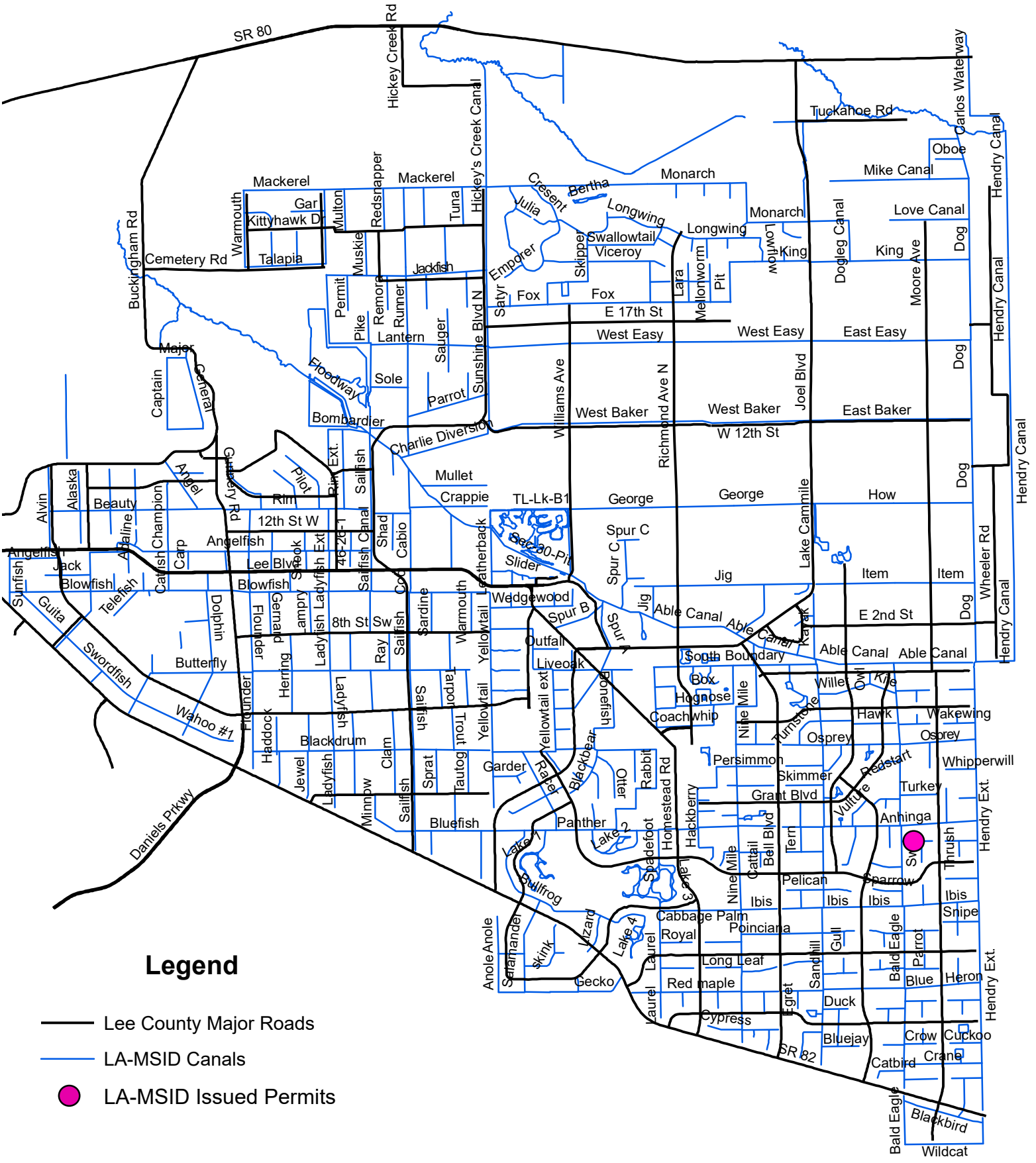
HEAT SENSITIVE COLOR FADES WITH

⑈061171⑈ ⑆121000358⑆ 001233592930⑈

Permit #26-114

COPY

Permit # 2026-114

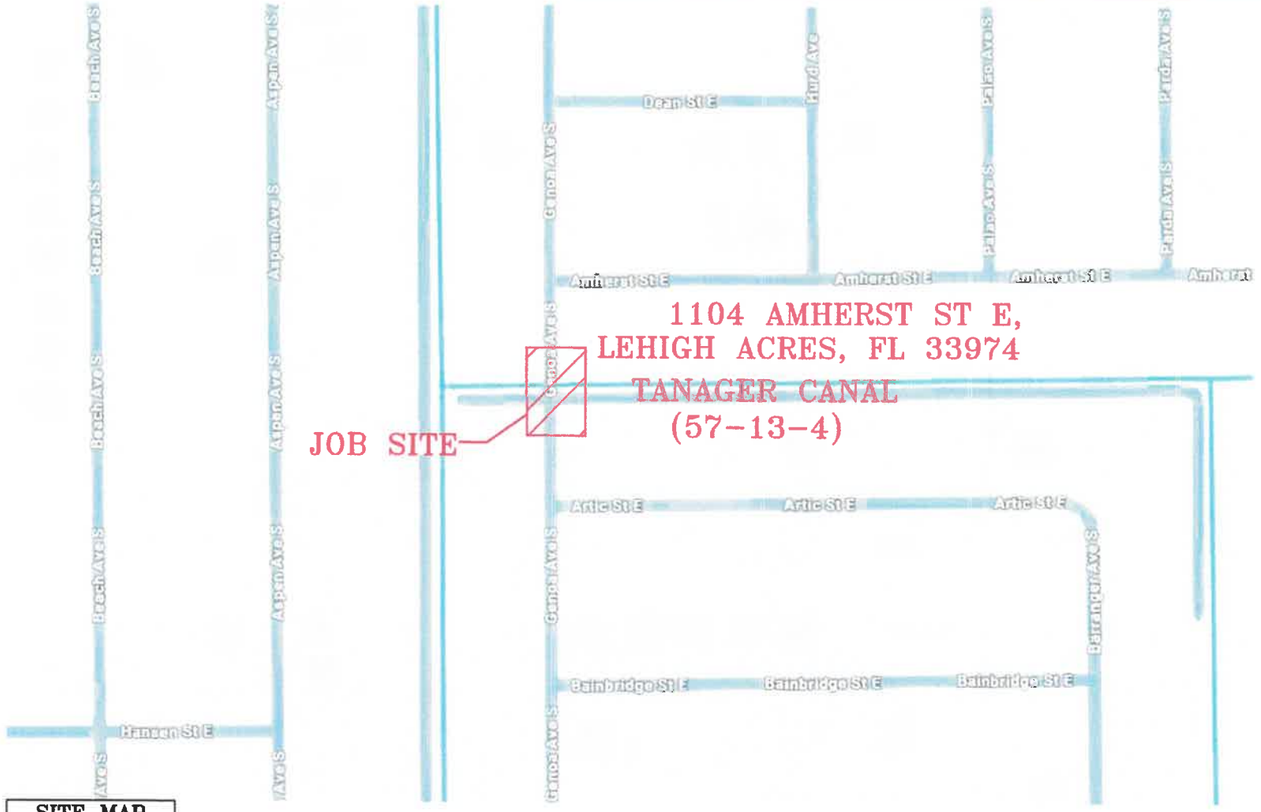


Legend

- Lee County Major Roads
- LA-MSID Canals
- LA-MSID Issued Permits

BINDING SPACE

1104 AMHERST ST
LA-MSID PERMIT
NOTES & TYPICALS



SITE MAP
SCALE: NONE

LEE CO. AERIAL & U/G NOTES

ALL PROPOSED CONSTRUCTION WILL BE PER DOT SPECIFICATIONS AS WELL AS ALL NESC SAFETY CODES.

ALL PROPOSED CATV WILL BE WITHIN THE DOT RIGHT-OF-WAY.

ALL AERIAL CANAL RIGHT-OF-WAY CROSSINGS MUST BE A MINIUM HEIGHT OF 40' ABOVE THE TOP OF THE CANAL BANK

ALL PROPOSED CANAL RIGHT-OF-WAY BORES MUST BE A MINIMUM HEIGHT OF 10' (120") BELOW THE BOTTOM OF THE CANAL OR PIPE INVERT

ALL PROPOSED UNDERGROUND CATV WILL BE BURIES A MINIMUM OF 66" DEEP, EXCEPT BORES 48" DEEP

ALL PROPOSED UNDERGROUND CATV ROAD BORES WILL USE FDOT APPROVED DIRECTIONAL BORE MACHINE, AS WELL AS FDOT APPROVED CONDUIT

ALL PROPOSED CATV ROAD BORES WILL EXTEND A MINIMUM OF 8' BEYOND THE EDGE OF PAVEMENT

ALL PROPOSED CATV DRIVEWAY BORES WILL EXTEND A MINIMUM OF 4' BEYOND THE EDGE OF PAVEMENT

ALL PROPOSED CATV WILL BE .625" OR .875" DIAMETER, INSULATED COAXIAL CABLE OR 1.0" DIAMETER, INSULATED FIBER OPTIC CABLE, AND WILL BE LASHED TO .250" STEEL STRAND CABLE USING .125" STD. GALV. LASHING WIRE

ALL PROPOSED AERIAL CATV CROSSINGS (BOTH ROADWAYS AND DRIVEWAYS) WILL HAVE MINIMUM MID-SPAN HEIGHT OF 18'-0".

ALL PAEALLEL PROPOSED AERIAL CATV WILL HAVE MINIMUM MID-SPAN HEIGHT OF 16'-6" AS PER NESC SPECIFICATIONS.

LOCATES WILL BE REQUIRED IN ALL PROPOSED UNDERGROUND AREAS AT LEAST 48 HRS. PRIOR TO CONSTRUCTION.

NOTIFICATIONS TO ALL UTILITIES INVOLVED WILL BE MADE PRIOR TO CONSTRUCTION.

GENERAL NOTES

MAINTENANCE OF TRAFFIC TO BE SUPERVISED BY A CERTIFIED PERSON.

TEST RESULTS ARE REQUIRED UPON REQUEST.

THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT A MINIMUM OF TWO BUSINESS DAYS PRIOR TO ANY LANE CLOSURES OR BEGINNING ANY CONSTRUCTION WITHIN THE DOT RIGHT-OF-WAY.

ALL WORK PERFORMED WITHIN THE DOT RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH DOT DESIGN STANDARDS, SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE UTILITY ACCOMODATION MANUAL, LATEST EDITIONS.

ENGINEER'S CERTIFICATION TOGETHER WITH AS-BUILTS, IF REQUIRED TO BE SUBMITTED WITHIN 30 DAYS OF COMPLETION.

ALL CONCRETE TO BE REMOVED SHALL BE SAW CUT AT THE NEAREST GOOD JOINT. GUTTER SHALL BE SAW CUT BETWEEN ASPHALT AND GUTTER BEFORE REMOVAL.

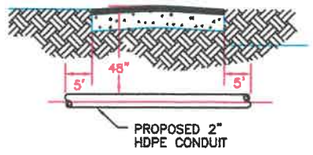
IT WILL BE THE RESPONSIBILITY OF THE PERMITTEE TO REPAIR ANY DAMAGE TO DOT FACILITIES CAUSED BY THE CONSTRUCTION OF THE PROJECT.

ALL CONCRETE SHALL BE 3,000 PSI. APPROVED DOT MIX DESIGN.

LEGEND

	BORE
	SWALE/DITCH
	GUARD RAIL
GAS	GAS
PWR	POWER
	U/G CATV
STLT	STREET LIGHT
SD	STORM DRAIN
SWR	SEWER
TELE	TELEPHONE
	TRAFFIC SIGNAL
W	WATER
	MISC U/G UTILITY
	PROPOSED U/G CATV
	PROPOSED AERIAL FIBER
	PROPOSED AERIAL CATV
℄	CENTERLINE
E/P	EDGE OF PAVEMENT
B/C	BACK OF CURB
R/W	RIGHT OF WAY

	POWER POLE
	POWER TRANSFORMER POLE
	JOINT USE TRANSFORMER POLE
	PHONE POLE
	CATV POLE
S	STEEL POLE
	CONCRETE POLE
	JOINT USE POLE
R	RISER
	ANCHOR
	OVERHEAD GUY
V	CATV FIBER VAULT
V	TRAFFIC SIGNAL VAULT
	TRAFFIC SIGNAL POLE
	TRAFFIC SIGNAL BOX
A	CROSS SECTION REFERENCE
XX'	FTG BTWN REFERENCE POINTS
	REFERNCE POINT
	STORM DRAIN



TYPICAL DRIVEWAY DIRECTIONAL BORE
N.T.S.

PROJECT TOTALS

PROP. BURIED CATV:	150'
PROP. OH CATV:	0'
TOTAL PROP. CATV:	150' (0.03MI.)

MOT NOTES

TRAFFIC CONTROL SHALL COMPLY WITH FEDERAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND F.D.O.T. DESIGN STANDARD #NO. 600.

JB0002369635_1104 AMHERST ST. E_ LAMSID

COMCAST
PROPRIETARY AND CONFIDENTIAL
12600 WESTLINKS DR., SUITE 4
FORT MYERS, FL 33913

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

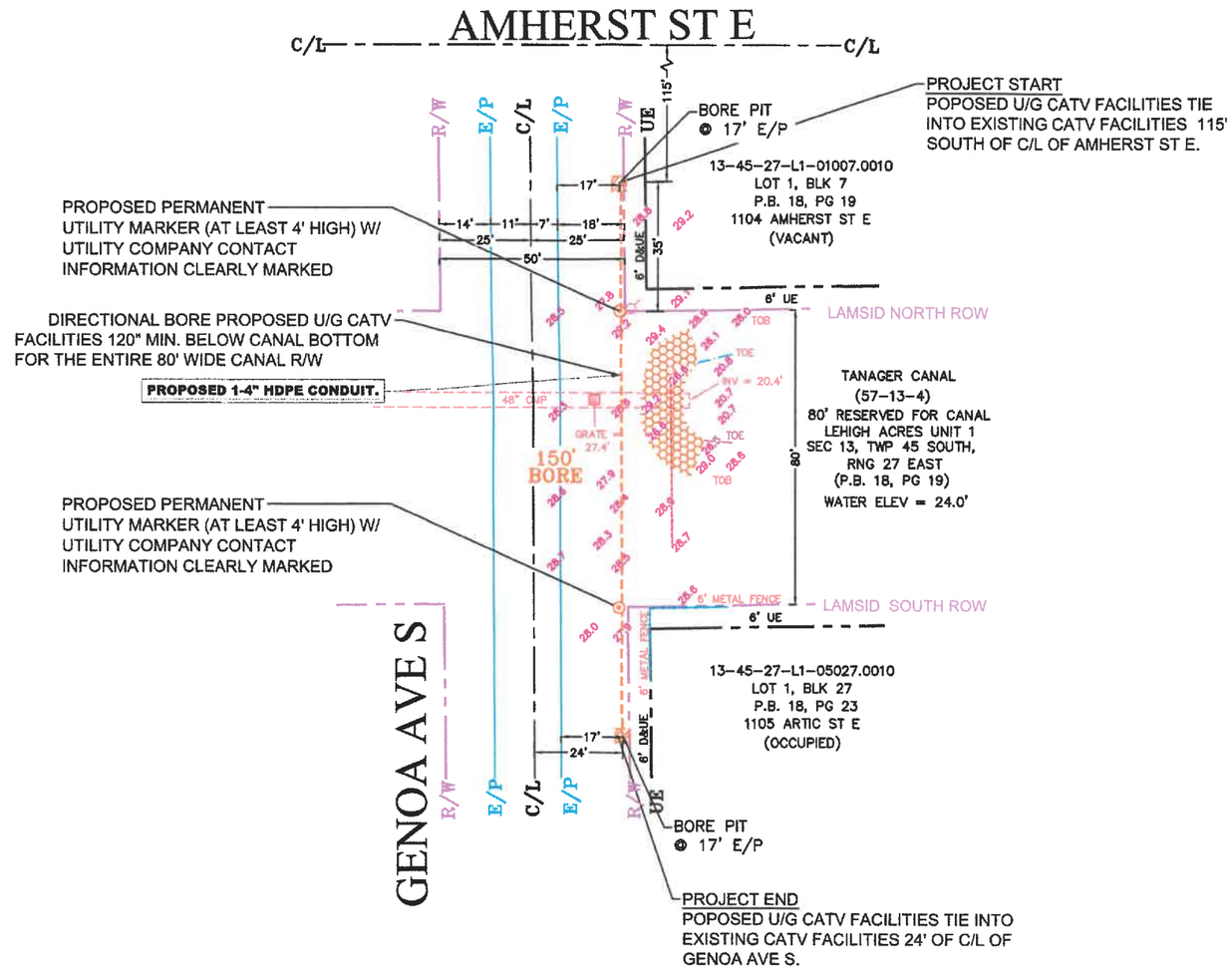
RIGHT-OF-WAY PERMIT

SUBJECT: PROPOSED U/G CATV FACILITIES ON GENOA AVE S.	**COUNTY:** LEE
	STATE: FLORIDA
	SHEET NO.: 1 OF 4
	DATE: 05/28/2026
CIFA: N/A	**MAP:** 26.567973, -81.579621
JB#: JB0002369635	**DRAFTED BY:** A. PERDOMO

1104 AMHERST ST
LA-MSID PERMIT
PLAN VIEW

0 20' 40'
(1" = 40')
GRAPHIC SCALE

BINDING SPACE



CONSTRUCTION NOTE:
ALL BORE WORK WILL BE HORIZONTAL DIRECTIONAL DRILL, NOT UNGUIDED BORING.

JB0002369635_1104 AMHERST ST. E_ LAMSID

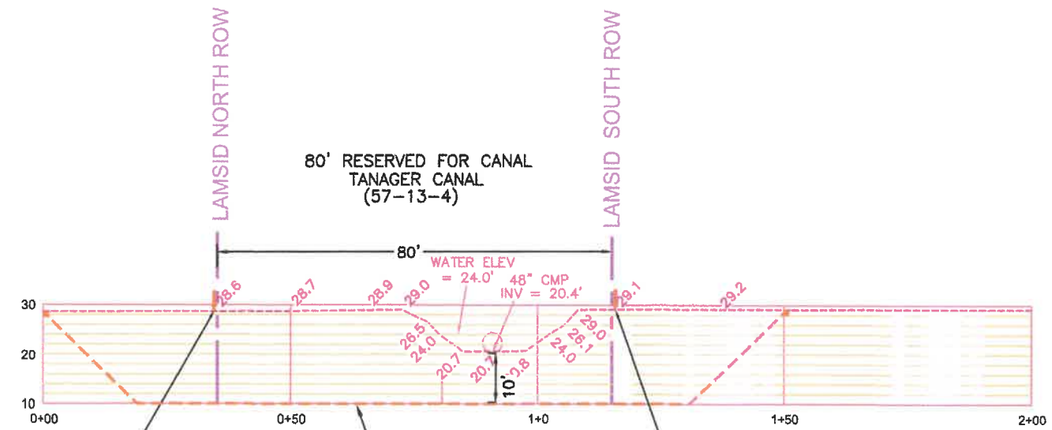
COMCAST
PROPRIETARY AND CONFIDENTIAL
12600 WESTLINKS DR., SUITE 4
FORT MYERS, FL 33913

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT
RIGHT-OF-WAY PERMIT

SUBJECT: PROPOSED U/G CATV FACILITIES ON GENOA AVE S.	**COUNTY:** LEE
	STATE: FLORIDA
	SHEET NO.: 2 OF 4
	DATE: 05/28/2026
CIFA: N/A	**MAP:** 26.567973, -81.579621
JB#: JB0002369635	**DRAFTED BY:** A. PERDOMO

1104 AMHERST ST
LA-MSID PERMIT
CROSS SECTION

0 15' 30'
(1" = 30')
GRAPHIC SCALE



CONSTRUCTION NOTE:
BORE MUST BE 10' BELOW THE LOWEST PIPE INVERT OR THE CANAL BOTTOM, WHICHEVER IS LOWER, FOR THE ENTIRE 80' WIDE CANAL RIGHT OF WAY.

CONSTRUCTION NOTE:
ALL CANAL RIGHT OF WAY THAT IS DISTURBED MUST BE RESTORED WITH SOD AND MAINTAINED UNTIL WELL ESTABLISHED. NO SEEDING WILL BE ALLOWED.

PROPOSED PERMANENT UTILITY MARKER (AT LEAST 4' HIGH) W/ UTILITY COMPANY CONTACT INFORMATION CLEARLY MARKED UPON IT

PROPOSED PERMANENT UTILITY MARKER (AT LEAST 4' HIGH) W/ UTILITY COMPANY CONTACT INFORMATION CLEARLY MARKED UPON IT

PROPOSED 1-4" HDPE CONDUIT.

DIRECTIONAL BORE PROPOSED U/G CATV FACILITIES 120" MIN. BELOW CANAL BOTTOM FOR THE ENTIRE 80' WIDE CANAL R/W

BINDING SPACE

JB0002369635_1104 AMHERST ST. E_ LAMSID

COMCAST
PROPRIETARY AND CONFIDENTIAL
12600 WESTLINKS DR., SUITE 4
FORT MYERS, FL 33913

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

RIGHT-OF-WAY PERMIT

SUBJECT: PROPOSED U/G CATV FACILITIES ON GENOA AVE S.	**COUNTY:** LEE
	STATE: FLORIDA
	SHEET NO.: 3 OF 4
	DATE: 05/28/2026
CIFA: N/A	**MAP:** 26.567973, -81.579621
JB#: JB0002369635	**DRAFTED BY:** A. PERDOMO

NOTE:

1. This Index applies to Two-Lane, Two-Way and Multilane Roadways, including Medians of divided roadways, with work on the shoulder.

2. L = Taper Length
   X = Work Zone Sign Spacing
   B = Buffer Length
   See Index 102-600 for "L", "X", "B", and channelizing device spacing values.

3. Where work activities are between 2' and 15' from the edge of traveled way, the Engineer may omit signs and channelizing devices for work operations 60 minutes or less.

4. When four or more work vehicles enter the through traffic lanes in a one hour period (excluding establishing and terminating the work area), use a flagger or lane closure to accommodate work vehicle ingress and egress.

5. For work less than 2' from the traveled way and work zone speed is greater than 45 MPH, use a lane closure.

6. The "Speeding Fines Doubled When Workers Present" signs (TTC-011A-25) and "End Road Work" Signs (G20-2) along with the associated work zone sign spacing distances may be omitted when the work operation is in place for 24 hours or less.

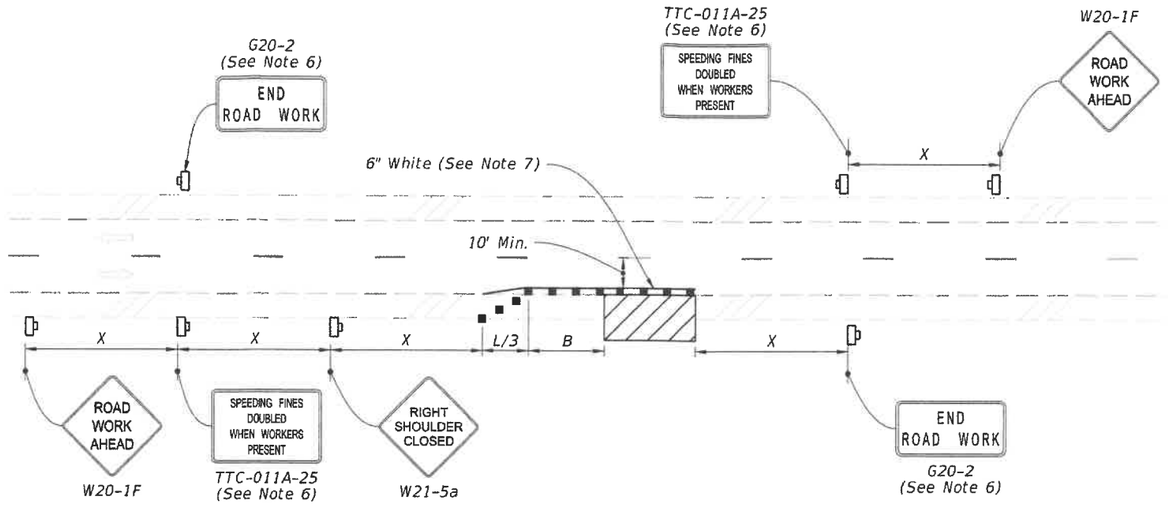
7. Temporary pavement markings may be omitted when the work operation is in place for 3 days or less.

8. Omit "Shoulder Closed" signs (W21-5a) along with associated work zone sign spacing distances for work on the median.

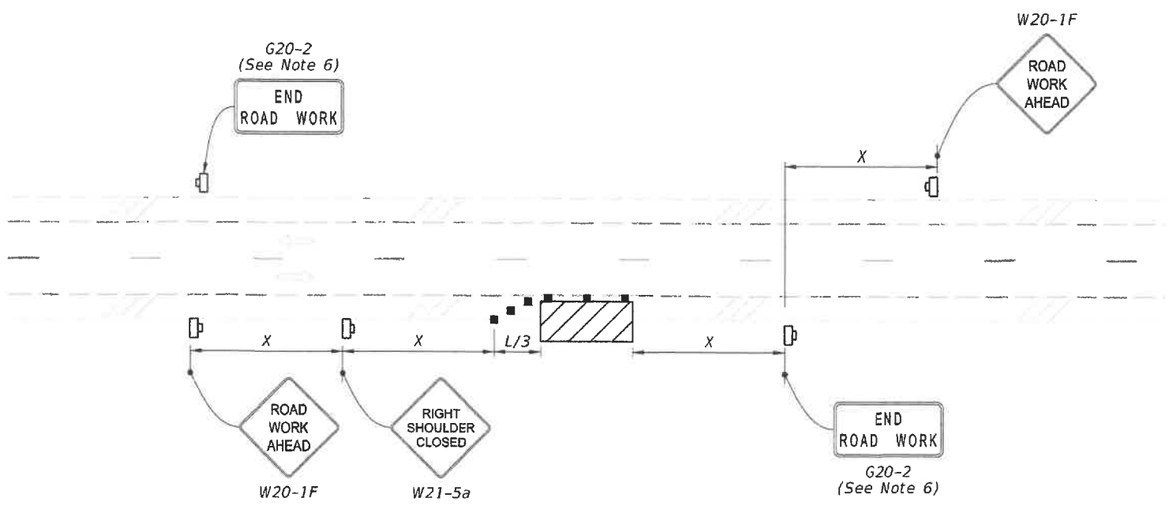
9. When there is no paved shoulder, the "Worker" sign (W21-1) may be used instead of the "Shoulder Closed" sign (W21-5a).

SYMBOLS:

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Lane Identification and Direction of Traffic



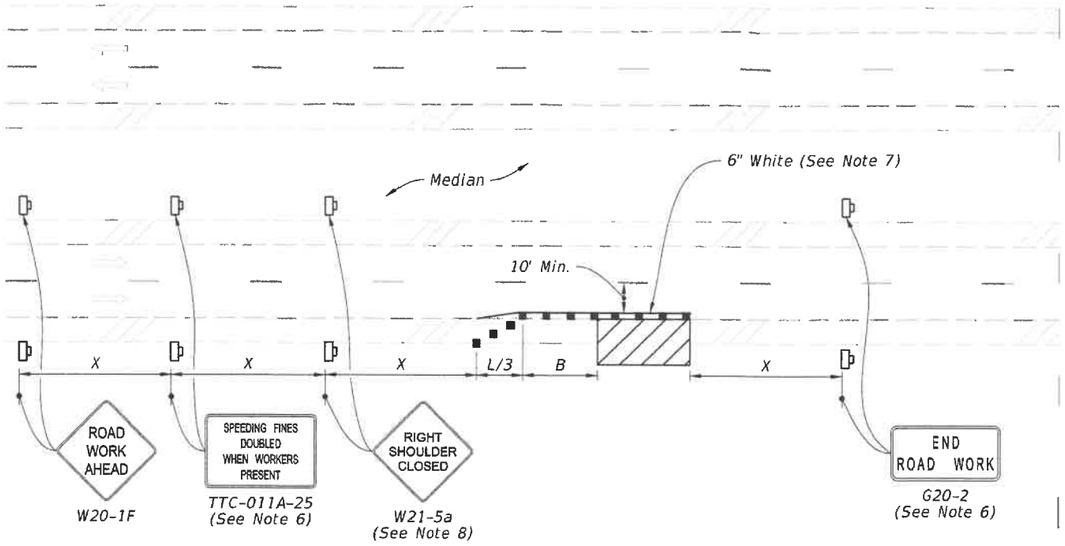
TWO-LANE ROADWAY
SHOULDER WORK LESS THAN 2' FROM THE TRAVELED WAY
WITH WORK ZONE SPEED OF 45 MPH OR LESS



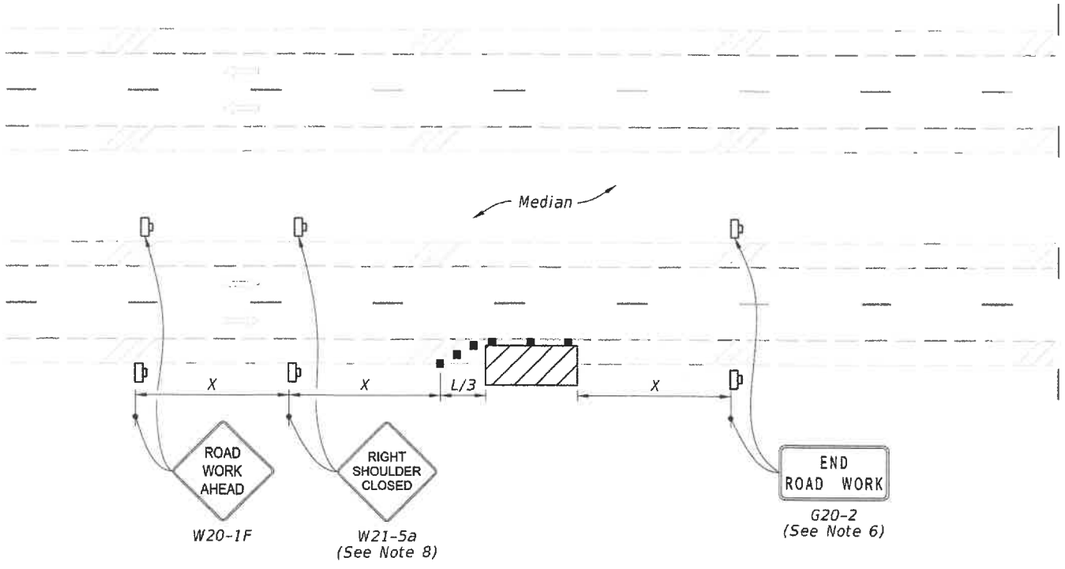
TWO-LANE ROADWAY
SHOULDER WORK BETWEEN 2' AND 15' FROM THE TRAVELED WAY

10/14/2025 9:34:11 AM

LAST REVISION	REVISION	DESCRIPTION:	FDOT	FY 2026-27 STANDARD PLANS	TWO-LANE AND MULTILANE, WORK ON SHOULDER	INDEX	SHEET
11/01/25						102-602	1 of 2



MULTILANE ROADWAY
SHOULDER WORK LESS THAN 2' FROM THE TRAVELED WAY
WITH WORK ZONE SPEED OF 45 MPH OR LESS



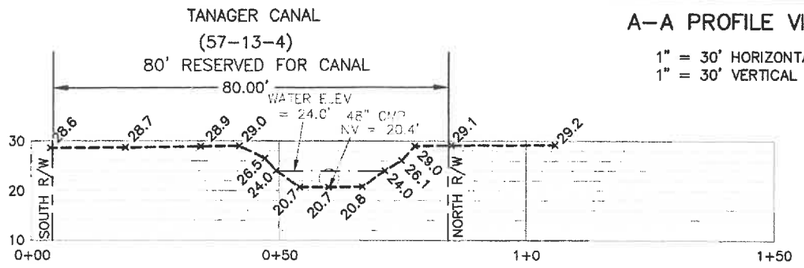
MULTILANE ROADWAY
SHOULDER WORK BETWEEN 2' AND 15' FROM THE TRAVELED WAY

SYMBOLS:

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Lane Identification and Direction of Traffic

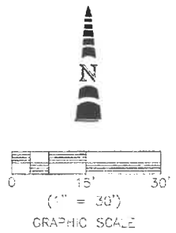
10/14/2025 9:34:21 AM

LAST REVISION 11/01/25	REVISION	DESCRIPTION:	FDOT FY 2026-27 STANDARD PLANS	TWO-LANE AND MULTILANE, WORK ON SHOULDER	INDEX 102-602	SHEET 2 of 2



A-A PROFILE VIEW

1" = 30' HORIZONTAL
1" = 30' VERTICAL



ASBUILT SURVEY

OF A PARCEL OF LAND LYING IN SECTION 13, TOWNSHIP 45 SOUTH, RANGE 27 EAST, LEHIGH ACRES, LEE COUNTY, FLORIDA

NOTES:

SURVEY BASED ON THE PLAT OF LEHIGH ACRES UNIT 1 AS RECORDED IN PLAT BOOK 18, PAGE 19 AND PLAT OF LEHIGH ACRES UNIT 5 AS RECORDED IN PLAT BOOK 18, PAGE 23, OF THE PUBLIC RECORDS OF LEE COUNTY, FLORIDA AND EXISTING MONUMENTATION.

THIS PLAT PREPARED AS AN ASBUILT SURVEY FOR THE PURPOSE OF LOCATING THE FEATURES WITHIN AND ADJACENT TO THE CANAL CROSSING EAST OF GENOA AVE SOUTH BETWEEN ARTIC ST E AND AMHERST ST E, LEHIGH ACRES.

THE ELEVATIONS SHOWN HEREON ARE NORTH AMERICAN VERTICAL DATUM OF 1988 (N.A.V.D. 88) IN FEET AND DECIMALS THEREOF AND BASED UPON CONTINUOUSLY OPERATING FLORIDA PERMANENT REFERENCE NETWORK (FPRN) STATIONS MAINTAINED BY THE FLORIDA DEPARTMENT OF TRANSPORTATION.

PARCEL LIES WITHIN INSURANCE RATE MAP 125124 0479F, PANEL NOT PRINTED, THEREFORE HAS NO BASE FLOOD ELEVATION.

THE F.E.M.A. FLOOD ZONE INFORMATION INDICATED HEREON IS BASED ON MAPS SUPPLIED BY THE FEDERAL GOVERNMENT. THIS FLOOD INFORMATION MUST BE VERIFIED WITH ALL PERMITTING REGULATORY ENTITIES PRIOR TO COMMENCING ANY WORK OR APPLICATION DEPENDENT ON SAID FLOOD INFORMATION.

UNDERGROUND IMPROVEMENTS, UTILITIES AND/OR FOUNDATIONS WERE NOT LOCATED UNLESS OTHERWISE NOTED.

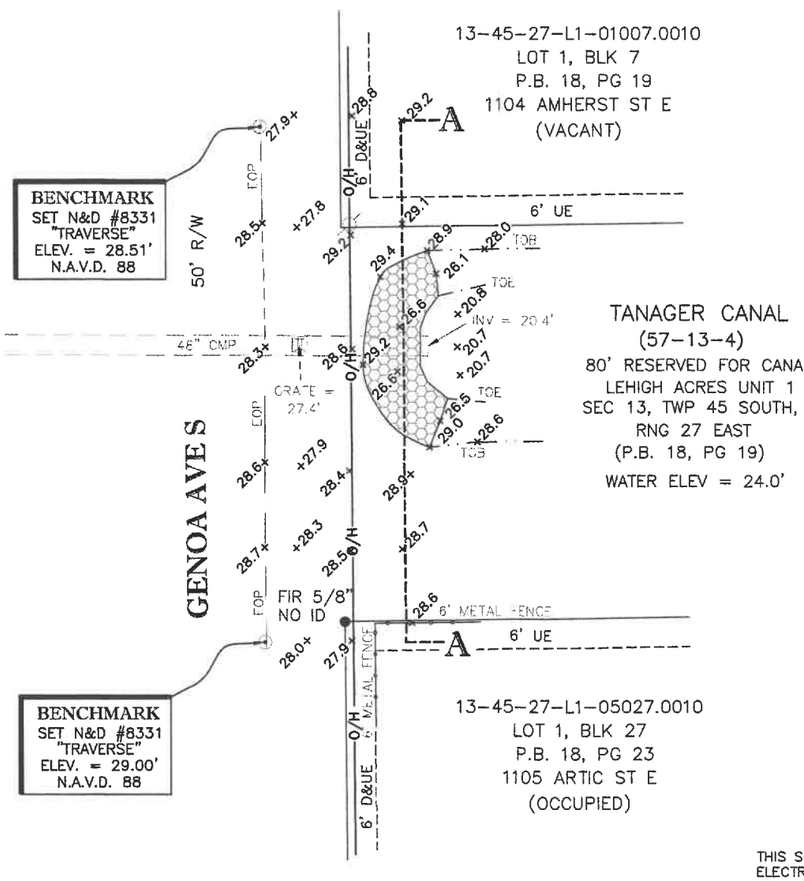
WETLANDS, IF ANY, WERE NOT LOCATED.

SUBJECT TO EASEMENTS, RESTRICTIONS, RESERVATIONS AND RIGHTS-OF-WAY (RECORDED AND UNRECORDED, WRITTEN AND UNWRITTEN).

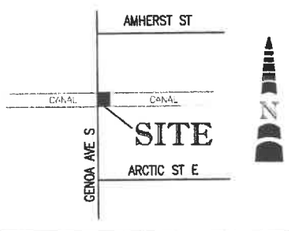
DATE OF LAST FIELD WORK: 5-12-2026.

LEGEND:

FIR = FOUND IRON ROD
N&D = NAIL AND DISC
ELEV = ELEVATION
TRAV = TRAVERSE
CONC = CONCRETE
D&UE = DRAINAGE & UTILITY EASEMENT
UE = UTILITY EASEMENT
CMP = CORRUGATED METAL PIPE
EOP = EDGE OF PAVEMENT
R/W = RIGHT OF WAY
TOB = TOP OF BANK
TOE = TOE OF SLOPE
INV = INVERT
N.A.V.D. 88 = NORTH AMERICAN VERTICAL DATUM 1988
= WOOD UTILITY POLE
+28.7 = SPOT ELEVATION
= CATCH BASIN
----O/H---- = OVERHEAD UTILITY LINES
= CONC RIP-RAP



(NOT TO SCALE)



THIS SURVEY HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY NOAH JOHN MEDEIROS USING A DIGITAL SIGNATURE AND DATE. PRINT COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

NOAH JOHN MEDEIROS License Number 7345 STATE OF FLORIDA Professional Surveyor and Mapper

Digitally signed by Noah J Medeiros
Date: 2026.05.20 15:27:36 -04'00'

BY: _____
NOAH JOHN MEDEIROS
PROFESSIONAL SURVEYOR AND MAPPER
FLORIDA CERTIFICATE NO. LS#7345

NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.

THIS TOPOGRAPHIC SURVEY MEETS THE STANDARDS OF PRACTICE SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS, PURSUANT TO SECTION 472.027, FLORIDA STATUES AND CHAPTER 5J-17.05, FLORIDA ADMINISTRATIVE CODE.

THIS SURVEY WAS PREPARED WITHOUT BENEFIT OF AN ABSTRACT OF TITLE AND ALL MATTERS OF TITLE SHOULD BE REFERRED TO AN ATTORNEY AT LAW.

GENOA AVE SOUTH, LEHIGH ACRES

TITLE: ASBUILT SURVEY

KEYSTONE
A CLS COMPANY
www.keystoneconsultants.net

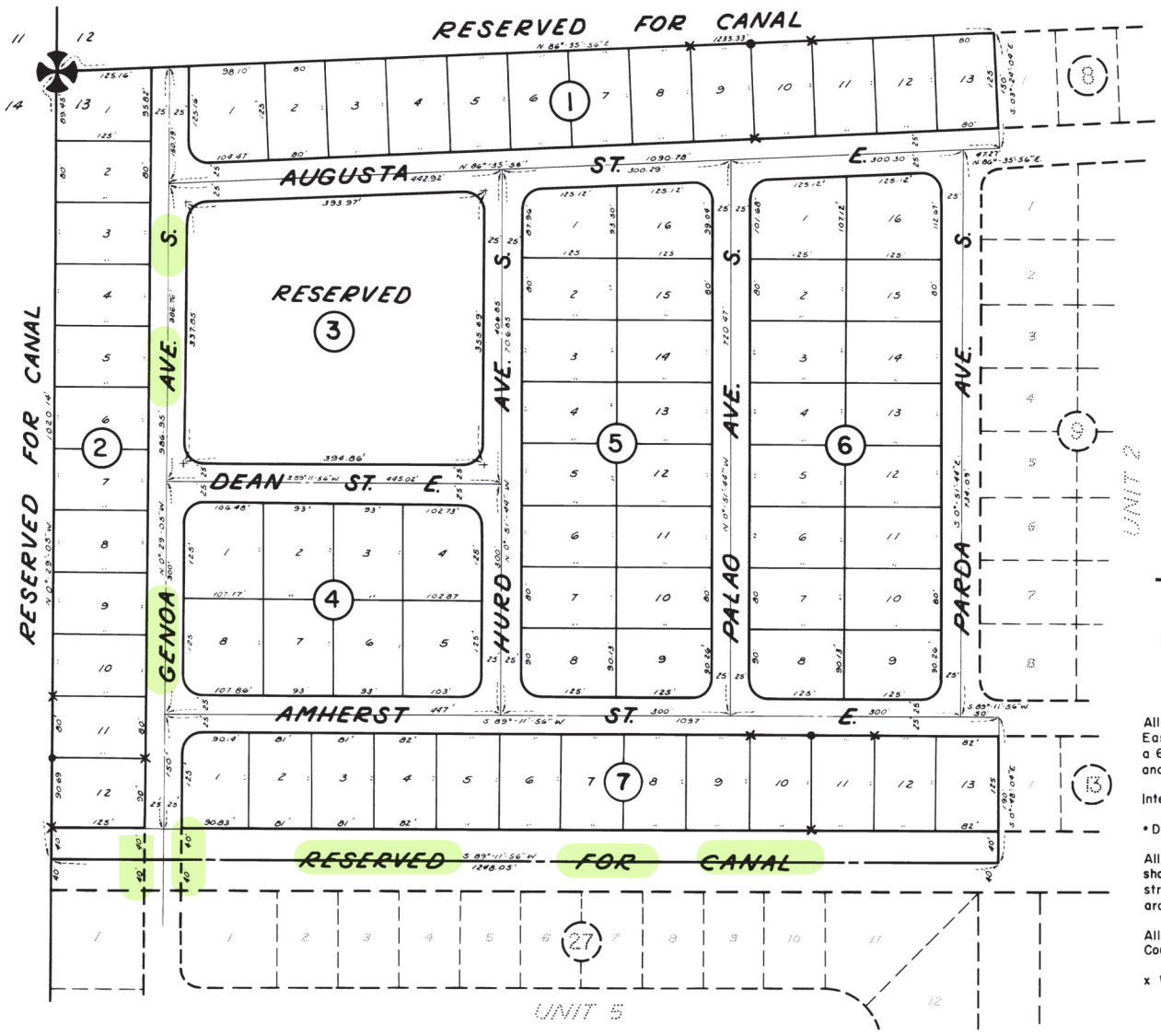
10970 S. CLEVELAND AVE.
SUITE #605
FORT MYERS, FLORIDA 33907
PHONE: (239) 275-8575
FAX: (239) 275-8457

LB #8331

FILE NAME:	FIELD BOOK/PAGE:	PROJECT NO.:	SHEET:
15797SR.DWG	SEE FILE	15797	1 OF 1

SURVEY DATE:	DRAWN BY:	SCALE:	CHECKED BY:	FILE NO. (S-T-R)
5/20/26	BUD	1"= 30'	NJM	13-45-27

P.B. 18 PG. 238



P.B. 18 PG. 44

PLAT OF UNIT 1
SECTION 13, TWP. 45 S., RGE. 27 E.
A SUBDIVISION OF

LEHIGH ACRES

LEE COUNTY, FLORIDA

100 50 0 100 200

SCALE IN FEET

All lots subject to a 6 foot Utility Easement on both sides and back, and a 6 foot Drainage Easement on the front and sides of lot on 50 foot R/W

Interior P.R.M.s are 4" x 4" x 24" concrete.

• Denotes P.R.M.s.

All corner lot radii are 25 feet except as shown and the lot dimensions are to the straight line intersections, except where arc distances are shown.

All Canals are hereby dedicated to East County Water Control District.

x Witness Monument.

PLAT OF SECTION 13

A SUBDIVISION OF

LEHIGH ACRES

LEE COUNTY, FLORIDA
LEE COUNTY LAND AND TITLE COMPANY
DEVELOPERS

DESCRIPTION

ALL OF SECTION 13, TOWNSHIP 45 SOUTH, RANGE 27 EAST, LEE COUNTY, FLORIDA.

KNOW ALL MEN BY THESE PRESENTS, THAT LEE COUNTY LAND AND TITLE COMPANY, A CORPORATION UNDER THE LAWS OF FLORIDA, BEING THE OWNER OF THE LAND DESCRIBED IN THE CAPTION HEREON HAS CAUSED THIS PLAT OF SECTION 13, LEHIGH ACRES TO BE MADE AND DO HEREBY DEDICATE TO THE PERPETUAL USE OF THE PUBLIC STREETS, ROADS, DRIVES AND/OR LANES SHOWN HEREON, ALL CANAL RIGHTS OF WAY ARE HEREBY DEDICATED TO THE EAST COUNTY WATER CONTROL DISTRICT.

IN WITNESS WHEREOF GERALD H. GOULD AND EDWARD SHAPIRO, RESPECTIVELY PRESIDENT AND SECRETARY OF LEE COUNTY LAND AND TITLE COMPANY, BY AND WITH AUTHORITY OF IT's BOARD OF DIRECTORS HAVE EXECUTED THESE PRESENTS FOR AND ON BEHALF OF SAID CORPORATION AND CAUSED IT's CORPORATE SEAL TO BE AFFIXED THIS ____ DAY OF _____ A.D. 1963

LEE COUNTY LAND AND TITLE CO.

BY Gerald H. Gould
President

ATTEST Edward Shapiro
Secretary

STATE OF FLORIDA
COUNTY OF LEE

I HEREBY CERTIFY THAT ON THIS DAY, BEFORE ME AN OFFICER DULY AUTHORIZED TO TAKE ACKNOWLEDGEMENTS, PERSONALLY APPEARED GERALD H. GOULD AND EDWARD SHAPIRO, RESPECTIVELY PRESIDENT AND SECRETARY OF LEE COUNTY LAND AND TITLE COMPANY, TO ME KNOWN TO BE THE PERSONS DESCRIBED IN AND WHO EXECUTED THE FOREGOING DEDICATION AS PRESIDENT AND SECRETARY RESPECTIVELY OF LEE COUNTY LAND AND TITLE COMPANY FOR THE PURPOSES THEREIN SET FORTH.

WITNESS MY HAND AND OFFICIAL SEAL AT FORT MYERS, SAID COUNTY AND STATE THIS 10th DAY OF July A.D. 1963

Jean Welchler
NOTARY PUBLIC STATE OF FLORIDA AT LARGE
My Commission Expires Public, State of Florida at Large
My Commission Expires July 19 1964

ALL BEARINGS ARE FROM THE TRUE MERIDIAN BASED ON OBSERVATION OF POLARIS AT S.W. CORNER OF SECTION 30, TOWNSHIP 44, RANGE 27, LEE COUNTY, FLORIDA.

APPROVALS

THIS PLAT APPROVED THIS 10 DAY OF Sept A.D. 1963 IN OPEN MEETING OF THE BOARD OF COUNTY COMMISSIONERS OF LEE COUNTY, FLORIDA

APPROVED Herman J. Hastings
Chairman

D. L. Farabee
Clerk

Frank A. Parese
County Attorney

[illegible]
County Engineer

I HEREBY CERTIFY THAT THIS PLAT OF SECTION 13, LEHIGH ACRES, HAS BEEN EXAMINED BY ME AND FROM MY EXAMINATION I FIND THAT SAID PLAT COMPLIES IN FORM WITH THE REQUIREMENTS OF SURVEY LAWS OF FLORIDA.

I FURTHER CERTIFY THAT SAID PLAT WAS FILED FOR RECORD AT FORT MYERS THIS 11 DAY OF Sept A.D. 1963, AND DULY RECORDED IN PLAT BOOK 18 ON PAGES 18-35 incl OF PUBLIC RECORDS OF LEE COUNTY, FLORIDA.

D. L. Farabee
Clerk Of The Circuit Court In And For Lee County

CERTIFICATE OF SURVEY

I HEREBY CERTIFY THAT THIS PLAT IS A CORRECT REPRESENTATION OF A SURVEY MADE UNDER MY DIRECTION AND THAT PERMANENT REFERENCE MONUMENTS HAVE BEEN PLACED AS SHOWN.

R. V. Jamme
FLORIDA REGISTERED LAND SURVEYOR No. 1198

THE OWNER DOES HEREBY DEDICATE TO THE PERPETUAL USE OF THE EAST COUNTY WATER CONTROL DISTRICT THE CANAL RIGHTS OF WAY SHOWN HEREON AND ALL PRESENT AND FUTURE WORKS BUILT OR CONSTRUCTED WITHIN THESE RIGHTS OF WAY SHALL BE OWNED AND MAINTAINED BY SAID EAST COUNTY WATER CONTROL DISTRICT.

PART IV #26-114

Recommended Action

Engineering Review:

By: _____ 7/1/2026 **Approved** **X** **Denied** __

District Field Review:

By: _____ **Approved** ___ **Denied** ___

District Manager: _____ **Date**: _____

Comments:

The referenced permit application for a boring under Tanager 1104 Amherst St E., in Lehigh Acres, submitted by Comcast, has been reviewed and is recommended for approval with the following stipulations:

1. Permanent above-ground cable markers must be placed at the canal right-of-way (R/W) line on each side of the crossing.

2. Any disturbed canal R/W must be restored with sod and maintained until fully established. Seeding will not be permitted.

3. Within 30 days of completing the improvements, provide LA-MSID with a copy of the survey record drawings indicating the location and elevation of utilities within the canal R/W.

4. The permittee will be responsible for any necessary repairs, alterations, or relocation of the utility if required for future maintenance or repairs of the canal.

5. Lee County DOT must review and approve any utility work proposed within the County Road R/W.

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

AGENDA ITEM SUMMARY

Subject: PER #26-115 – Comcast Bore under Longwing Canal (47-5-4) at Roderick Lane

Meeting Date: July 20, 2026

Agenda Item # 2L

[x] **CONSENT** [ ] **ACTION** [ ] **OLD BUSINESS** [ ] **NEW BUSINESS**

Request Initiated By: [ ] **COMMISSIONER** _____ [ ] **ATTORNEY**

[ ] **BOARD** [ ] **MANAGER** [ ] **ENGINEER** [ ] **AUDITOR**

1 Recommended motion: Move to approve PER #26-115 – Comcast Bore under Longwing Canal (47-5-4) at Roderick Lane, with any listed stipulations.

2 What the action accomplishes: Allows Comcast to install fiber cables under District canals while ensuring they stay 10-feet below the bottom elevation of each canal.

3 Fiscal Impact: Permit Fee: $2,250.00

4 Staff comments: Approved according to the plans submitted June 22, 2026.

5 Staff review and recommended approval:

[ ] **MANAGER** [ ] **ASSISTANT DISTRICT MGR**

[ ] **ATTORNEY** [ ] **FIELD SUPERINTENDENT**

[ ] **ENGINEER** [ ] **CONTROLLER**

6 Board Action:

[ ] **APPROVED** [ ] **DENIED** [ ] **DEFERRED**

LEHIGH ACRES - MUNICIPAL SERVICES IMPROVEMENT DISTRICT
PERMIT

THIS PERMIT is granted this 20th day of July, 2026, by Lehigh Acres Municipal Services Improvement District (hereinafter referred to as "DISTRICT"), 601 East County Lane, Lehigh Acres, Florida 33936, to Comcast Cable Communications, 12600 Westlinks Drive, Suite #4, Fort Myers, FL 33913, hereinafter referred to as the "Permittee") as a non-exclusive permit for a directional bore under Longwing Canal (47-5-4), along the west side of Roderick Ln., between Greenbriar Blvd. & Westchester Dr., in Lehigh Acres, FL.

W I T N E S S E T H:

1. In the event the DISTRICT is not the fee title owner of the real property (the "Property") to which this Permit is applicable, the Permittee agrees, prior to commencement, to obtain all necessary consents from the fee title owners of the Property.

2. This Permit does not constitute a waiver of the necessity by the Permittee to obtain such other necessary and appropriate permits required by other governmental bodies or agencies; therefore the Permittee, prior to commencement, is required to obtain any and all other applicable federal, state, and local permits required in connection with Permittee's use of the Property and agrees that at all times it will comply with the requirements of all federal, state and local laws, ordinances, rules and regulations applicable or pertaining to the use of the Property by the Permittee.

3. Permittee understands and agrees that the use of the Property pursuant to this Permit is subordinate to the rights and interests of the DISTRICT and to the extent applicable that of the fee title owner of the Property. Further, Permittee does hereby stipulate that the Permittee is not relying upon any representations whatsoever by the DISTRICT regarding the DISTRICT'S right, title, interest, or ownership as to the Property for which this Permit is applicable.

4. The Permittee, by accepting this permit, specifically agrees to allow authorized District Personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:
    a. Having access to and copying any records that must be kept under the conditions of the permit:
    b. Reviewing the facility, equipment, practices, or operations regulated or required under this permit; and
    c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or District rules.

5. The DISTRICT specifically reserves the right to maintain its facilities located over, under or upon the Property; to make improvements; add additional facilities; maintain, construct or alter its roads; maintain any facilities, devices, or improvements on the Property which aid in or are necessary to the DISTRICT'S operation; and the right to enter upon the Property at all times for such purposes. Permittee understands that in the exercise of such rights and interest, the DISTRICT may require Permittee, at no cost to DISTRICT, to relocate, alter, or remove the Permittee's facilities and equipment or other improvements made by Permittee pursuant to this Permit which interfere with or prevent the DISTRICT, in the DISTRICT'S opinion, from properly and faithfully constructing, improving and maintaining its facilities. If the Permittee should fail to relocate, alter, or remove the Permittee's facilities, equipment or other improvements made by the Permittee pursuant to this Permit within a reasonable time period following receipt of notice from the DISTRICT requesting same, then in that event the DISTRICT shall have the right to enter upon the lands and make such relocation, alterations or removal of the Permittee's facilities, equipment/or other improvements at no cost to DISTRICT.

6. Permittee agrees that it will not use the Property in any manner which interferes with the DISTRICT'S

use of the Property or causes a hazardous condition to exist.

7. The DISTRICT assumes no responsibility for the ownership, operation and/or maintenance of the Permittee's facilities as permitted herein.

8. The Permittee agrees to backfill any excavation it makes within the Property and to repair or replace (i) any below-grade authorized facilities and features located therein, including but not limited to: water, sewer, stormwater or irrigation facilities, structures or appurtenances and (ii) as to at or above-grade facilities and features, this requirement shall only be applicable to grasses and sod, sidewalks, and roadway improvements (the term roadway improvements shall include but not be limited to curbing, roadway base, sub grade and asphaltic or concrete surfaces) which are removed or damaged as a direct result of said excavation. Such repair or replacement shall substantially restore these features to their condition as it existed immediately prior to the event precipitating the excavation.

9. All below-grade Permittee installations, including water and sewer lines, whether sub aqueous or not, together with appurtenant facilities, shall be located underground and have a minimum ground cover of thirty inches (30") below original design profile grade, including District waterways and roadways.

10. All Permittee activity related to sub aqueous utility, water and/or sewer lines, including appurtenant facilities, shall be conducted in such fashion that the primary functional purpose of the canal or lake body facility, specifically flood control, within which the activity is taking place is not adversely affected. More specifically, sub aqueous construction shall conform to the criteria given in the Lehigh Acres Municipal Services Improvement District (Lehigh Acres – MSID) Administrative Policy and Procedures.

11. Permittee shall, at no expense to DISTRICT and within a reasonable time following notice, adjust the positions and elevations of its facilities as may be required in connection with future improvements to, or construction of, works of the DISTRICT.

12. Permittee does hereby indemnify and hold harmless the DISTRICT, its Board of Commissioners, officers, personnel, and it's Engineers against any claims, losses, damages (including consequential), expenses, or legal fees that might arise out or result from the implementation of the proposed project by the Permittee or that may be caused by a failure of DISTRICT facilities or property.

13. The Permittee shall be obligated at the time of submission of its Permit application, to provide a detail of any other existing improvements located over, under, upon or through the Property and the Permittee's accompanying plans and specifications shall clearly indicate how the Permittee will comply with required clearances between the requested permitted activity and existing improvements located over, under and upon the Property, including compliance with other permitted users duly adopted and published standards.

14. Permittee shall reimburse the DISTRICT for its legal, engineering and other expenses incurred as a result of the implementation of the proposed project.

15. If Permittee should violate any of the terms or conditions of the Permit and shall not correct or remedy same within ten (10) days of receiving written notice of said violation from the DISTRICT, then in that event, the DISTRICT may, at its option, revoke, cancel and terminate this Permit.

16. This Permit may not be assigned by the Permittee without the prior written approval of the DISTRICT.

17. Unless otherwise adjusted, modified or terminated as set forth hereinabove, including the Conditions attached hereto, this Permit shall continue in full force and effect so long as Permittee complies with the

terms of this Permit.

18. In any litigation, including breach, enforcement or interpretation arising out of this Permit, the prevailing party to this Permit shall be entitled to recover reasonable attorney's fees, costs and expenses related to said action from the non-prevailing party.

19. That attached hereto are Supplemental Conditions to this Permit which are incorporated herein and made a part hereof.

LEHIGH ACRES – MUNICIPAL SERVICES IMPROVEMENT DISTRICT

BY: _____

NAME TYPED: David E. Lindsay

TITLE: District Manager

SUPPLEMENTAL CONDITIONS TO PERMIT NO. 26-115

A. GENERAL CONDITIONS

1. Notification shall be given by the Permittee to the District Engineer, AIM Engineering, at 239-332-4569 forty-eight (48) hours prior to commencement of the permitted activity. The District Engineer shall establish points of construction, if applicable, which will require inspection by the District Engineer prior to construction of the permitted activity. When the Permittee considers the permitted activity complete, the Permittee shall notify the District Engineer and schedule an on-site final inspection which shall be held in the presence of a representative of the Permittee and the District Engineer.

2. The permitted activity shall be implemented, constructed and/or installed in full accordance with the approved plans and specifications within six (6) full calendar years from the date of permit approval. Deviations from the approved plans or specifications shall be coordinated with and approved by the District Engineer prior to implementation of any such deviation.

3. When working in a District road right-of-way, not more than one-half (½) of the road or street shall be closed and traffic shall be controlled so as to provide for the safety and minimum hindrance to the public. All traffic control operations shall conform to the most current issue of the Florida Department of Transportation publication "Manual on Traffic Controls and safe Practices for Street and Highway Construction, Maintenance and Utility Operations."

4. The District Engineer shall be the final authority as to the quality and quantity of the material and works required to satisfy the terms and conditions of this Permit as they relate to District improvements and facilities.

5. Upon completion of the permitted activity and after its final review and acceptance by the District Engineer THE PERMITTEE SHALL DELIVER TO THE DISTRICT OFFICE ONE COMPLETE SET OF THE FINAL "RECORD DRAWINGS." FAILURE TO PROVIDE THE FINAL RECORD DRAWINGS MAY RESULT IN THE REVOCATION, CANCELLATION AND TERMINATION OF THIS PERMIT.

6. The above Conditions shall be continuing obligations of the Permittee and shall be complied with in the event of any subsequent maintenance, repair, replacement or modification of the permitted improvement.

Stipulations:

1). Permit #26-115 is approved according to the plans submitted June 22nd, 2026.

2). The proposed directional bore must maintain a minimum clearance of 10 feet below the bottom elevation of the canal for the entire 100' within the canal right of way.

3). Permanent utility markers, (at least 4' high) with the utility companies contact information clearly labeled on it, must be installed at each canal right of way line over top the proposed line.

4). All guy wires, poles, pull boxes, etc. must be located outside of the canal right of way and not interfere with the District's canal maintenance activities.

5). All canal R/W that is disturbed must be restored with sod and maintained until well established (no seeding will be allowed).

6). Boring contractor is not allowed to pump water out of the LAMSID canals for their boring operations unless they apply for and receive a water use permit from LAMSID.

7). The Permittee will be responsible for any repairs, alterations, or relocation of the utility if required for repairs or maintenance of the canal in the future.

8). Provide LAMSID with a copy of your record drawings and a copy of your bore depth logs showing where your utilities are located within the canal R/W and at what elevation they are located, within 30 days following completion of the improvements.

9). Lee County DOT must review and approve the utility work that is outside of the canal right of way along Roderick Ln.

PART I

DATE SUBMITTED: 06 - 22 - 26

PERMIT #: 26 - 115

APPLICATION FOR A PERMIT

*Note: The review of permit applications will be conducted per the Lehigh Acres Municipal Services Improvement District's Administrative Policy and Procedures

AGENT NAME: JOANIE GEORGE **PHONE #:** (757)650-4070

PROJECT NAME: JB0002369520-LEE2-FLLAT00X00-PH1-P3

TOTAL ACREAGE: 0.05

Property Address (STRAP associated with this address will be used as the primary STRAP for this project): 1969 RODERICK LN					
Mailing Address:	NA				
City:	**LEHIGH ACRES**	**State:**	**FL**	**Zip:**	**33974**

STRAP NUMBERS (*attach additional sheet if necessary):*

2	6	-	4	4	-	2	6	-	L	2	-	0	8	0	5	0	-	0	0	7	0
		-			-			-			-						-				
		-			-			-			-						-				
		-			-			-			-						-				
		-			-			-			-						-				

Brief description of proposed project:

Application for: Comcast proposes to bore 175' across Longwing Canal
Starting south on Roderick Ln going north crossing Longwing Canal

Is the project proposed to be developed in phases? ☐ Yes X No

Estimated # of Phases:	1	
***Permit Fee:**	$ $2,250.00	**(to be verified by staff)**

* See Administrative Policy and Procedures Sections 4.15 – 4.17 for current Permit Fee Amount.

RECEIVED
JUN 22 2026
LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

PART II

OWNER/APPLICANT/ DEVELOPER INFORMATION

A.

Name of Applicant	Comcast Cable Communications - Marc Louis						
Mailing Address:	Street:	12600 Westlinks Dr #4					
City:	Ft Myers	State:	FL		Zip:	33913	
Phone No.	Area Code:	239	Number:	986-7043	Ext.		
Fax No.	Area Code:		Number:	-			
E-mail Address:	Marc_louis@cable.comcast.com						

B. Relationship of applicant to property*:

☐ Owner* ☐ Trustee* ☐ Option holder* ☐ Lessee*

☐ Contract Purchaser* X Other (indicate)* UTILITY

C.

Name of Developer:						
Mailing Address:	Street:					
City:		State:			Zip:	
Phone No.	Area Code:	( )	Number:	-	Ext.	
Fax No.	Area Code:	( )	Number:	-		
E-mail Address:						

D.

Name of Authorized Agent(s):	Joanie George					
Mailing Address:	Street:	13277 NE 235th Ct				
City:	Raiford	State:	FL		Zip:	32083
Phone No.	Area Code:	(757)	Number:	650-4070	Ext.	
Fax No.	Area Code:	( )	Number:	-		
E-mail Address:						

E.

Name of Property Owner:						
Mailing Address:	Street:					
City:		State:			Zip:	
Phone No.	Area Code:	( )	Number:	-	Ext.	
Fax No.	Area Code:	( )	Number:	-		
E-mail Address:						

*A disclosure of the name of all persons or entities having an ownership interest in the property is required (attached).

PART III

DISCLOSURE OF OWNERSHIP INTEREST FORM FORM:

PRIMARY STRAP NUMBER: ☐☐ - ☐☐ - ☐☐ - ☐☐ - ☐☐☐☐ - ☐☐☐☐

1. If the property is owned in the fee simple by an **INDIVIDUAL**, tenancy by the entirety, tenancy in common, or joint tenancy, list all parties with an ownership interest as well as the percentage of such interest.

Name and Address	Percentage of Ownership

2. If the property is owned by a **CORPORATION**, list the officers and stockholders and the percentage of stock owned by each.

Name, Address, Office	Percentage of Stock

3. If the property is in the name of a **TRUSTEE**, list the beneficiaries of the trust with percentages of interest.

Name and Address	Percentage of Interest

4. If the property is in the name of a **GENERAL PARTNERSHIP OR LIMITED PARTNERSHIP**, list the names of general and limited partners.

Name and Address	Percentage of Interest

5. If there is a **CONTACT FOR PURCHASE**, whether contingent on this application Or not, and whether a Corporation, Trustee, or Partnership, list the names of the contract purchasers below, including the officers, stockholders, beneficiaries, or partners.

Name and Address	Percentage of Interest

Date of Contract (mm/dd/yy): / /

6. If any contingency clause or contract terms involve additional parties, list all individuals or officers, if a corporation, partnership, or trust.

Name and Address	Percentage of Interest

For any changes of ownership of changes in contracts for purchase subsequent to the date of the application, but prior to the date of final certificate for compliance, a supplemental disclosure of interest must be filed.

The above is a full disclosure of all parties of interest in this application, to the best of my knowledge and belief.

Joan George
SIGNATURE OF APPLICANT

Joanie George
PRINTED OR TYPED NAME OF APPLICANT

STATE OF FLORIDA
COUNTY OF LEE

The foregoing instrument was acknowledged before me this 17 day of June (m), 2026 (y), by Joanie George who is personally know to me or has produced _____ as identification.

Notary Public State of Florida
Ashley Woods
My Commission HH 337625
Expires 12/1/2026

SIGNATURE OF NOTARY PUBLIC

Ashley Woods
PRINTED NAME OF NOTARY PUBLIC

PART IV

EXPLANATION

All Permit Application sections must be completed and submitted.

Permit Application fees and submittal items (see Part VI) must be submitted with the application.

Any and all work involving the lands and/or facilities of the District shall not commence without a Board approved permit.

All set policies, procedures, technical requirements, and fee schedules can be found and reviewed in the 'Administrative Policy and Procedures Guide'. The Guide is available at the District Office located at 601 East County Lane, Lehigh Acres, FL or online at la-msid.com/.

PART V

PROFESSIONAL CONSULTANT FORM

ATTORNEY

Name:						
Mailing Address:						
City:		State:			Zip:	
Business No.	Area Code:	( )	Number:	-	Ext.	
Other Contact:						

ENGINEER

Name:						
Mailing Address:						
City:		State:			Zip:	
Business No.	Area Code:	( )	Number:	-	Ext.	
Other Contact:						

OTHER REPRESENTATIVE/PROFESSIONAL

Name:						
Mailing Address:						
City:		State:			Zip:	
Business No.	Area Code:	( )	Number:	-	Ext.	
Other Contact:						

PART VI

SUBMITTALS

NO. OF COPIES		SUBMITTAL DOCUMENT
SUB'D	REQ'D	
		ITEMS REQUIRED FOR INITIAL SUBMITTAL
2	2	**Construction/Development Plans** signed and sealed by a Licensed Florida Professional Engineer including: 1. Location map showing the location of the proposed project in relation to adjacent streets and LA-MSID facilities. 2. Details of proposed works that fully communicate the work and/or use desired (i.e. Existing Conditions Survey, Proposed Site Plan, Paving Grading & Drainage Plan, Cross Sections, Element Details, and Erosion Control Plan sheets). 3. Sufficient survey data to determine elevations, property and ROW lines, limits of existing and proposed conditions, and notation of utilized vertical datum (NAVD/NGVD).
N/A	2	**Stormwater Drainage Calculations** signed and sealed by a Licensed Florida Professional Engineer including, but not limited to, computer stormwater routing modeling data (ICPR4, Cascade, etc.) to verify compliance with the Design Criteria (input summary data below): **Water Quality Volume (Required):** _____(ACRE-FT) **Water Quality Volume (Provided):** _____(ACRE-FT) **Control Elevation:** _____(FT-NGVD) **Minimum Road/Parking Elevation:** _____(FT-NGVD) *(above the 10-year, 1-day design storm peak stage elevation)* **Minimum Perimeter Berm Elevation:** _____(FT-NGVD) *(above the 25-year, 3-day design storm peak stage elevation)* **Minimum Finished Floor Elevation:** _____(FT-NGVD) *(above the 100-year, 3-day design storm peak stage elevation and previously experienced high-water levels external to project)*
2	2	**Flash Drive / CD** containing plans in both AutoCAD (.dwg file drawn in "State Plane Coordinates") and PDF formats.
2	2	**Permit Application** (PARTS I & II)
2	2	**Disclosure of Owner Form (signed and notarized)** (PART III)
2	2	**Professional Consultant Form & Submittals** (PARTS V & VI)
N/A	2	**Copy of Approved FDEP Notice of Intent (NOI)** for all sites one (1) acre and greater in size.
N/A	2	**Copy of approved SWFMD permit,** for all sites required to get a permit, **or FDEP "10/2 Self-Certification"** approval.
1	1	**Check for appropriate Permit Fees** made out to LA-MSID.

TrueNet Communications Corp

061174

COPY

LEHIGH ACRES MUNICIPAL SERVICE - IMPROVEMENT DISTRICT

DATE	INVOICE NO.	DESCRIPTION	INVOICE AMOUNT	DEDUCTION	BALANCE
6/15/2026	06152026 A	JB0002369520 - FLLAT00X00 - PH1 PERMIT 3		2,250.00	2,250.00

RECEIVED
JUN 22 2026
LEHIGH ACRES
MUNICIPAL SERVICES
IMPROVEMENT DISTRICT

CHECK DATE		CHECK NUMBER		TOTALS			

PLEASE DETACH THIS PORTION AND RETAIN FOR YOUR RECORDS 9321

DOCUMENT IS PRINTED ON CHEMICALLY REACTIVE PAPER - THE BACK OF THIS DOCUMENT INCLUDES A TAMPER EVIDENT CHEMICAL WASH WARNING BOX

THE BACK OF THIS DOCUMENT INCLUDES MICROPRINTED ENDORSEMENT LINES.

061174

TrueNet Communications Corp.
90 FORT WADE RD.
SUITE 230
PONTE VEDRA, FL 32081
(904) 777-9052
APINV@TrueNetCommunications.com

Bank of America
11-35/1210 GL

Pay: **********two thousand two hundred fifty and 00/100

DATE	CHECK NO.	AMOUNT
June 15, 2026	61174	$*****2,250.00

PAY TO THE ORDER OF

LEHIGH ACRES MUNICIPAL SERVICE - IMPROVEMENT DISTRICT
601 EAST COUNTY LANE
LEHIGH ACRES FL 33936

VOID AFTER 90 DAYS

AUTHORIZED SIGNATURE

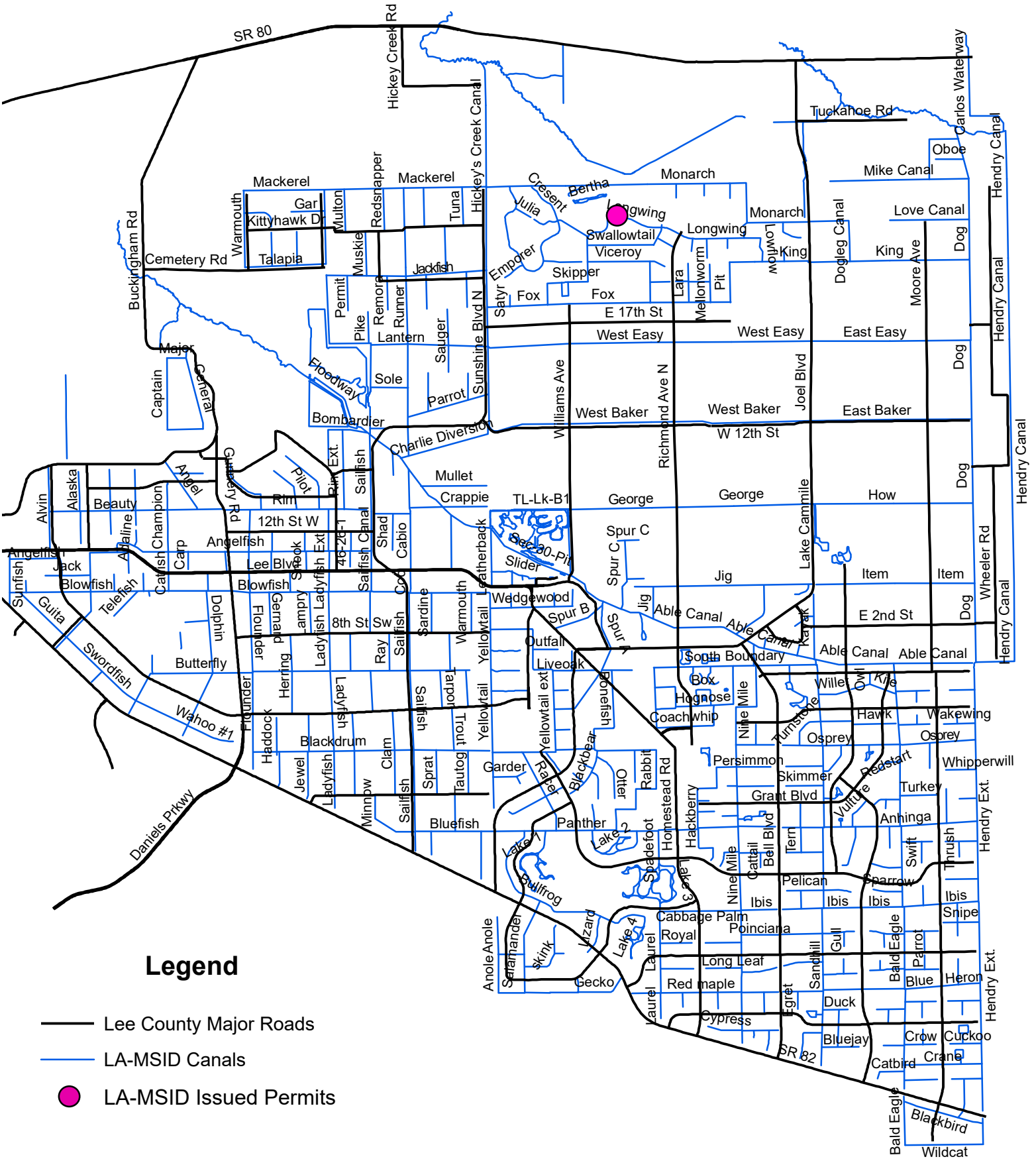
HEAT SENSITIVE COLOR FADES WITH HEAT

COPY

⑈061174⑈ ⑆121000358⑆ 00123592930⑈

Permit # 26-115

Permit # 2026-115



Legend

- Lee County Major Roads
- LA-MSID Canals
- LA-MSID Issued Permits

1969 RODERICK LN
LA-MSID PERMIT
NOTES & TYPICALS

BINDING SPACE

LEE CO. AERIAL & U/G NOTES

ALL PROPOSED CONSTRUCTION WILL BE PER DOT SPECIFICATIONS AS WELL AS ALL NESC SAFETY CODES.

ALL PROPOSED CATV WILL BE WITHIN THE DOT RIGHT-OF-WAY.

ALL AERIAL CANAL RIGHT-OF-WAY CROSSINGS MUST BE A MINIUM HEIGHT OF 40' ABOVE THE TOP OF THE CANAL BANK

ALL PROPOSED CANAL RIGHT-OF-WAY BORES MUST BE A MINIMUM HEIGHT OF 10' (120") BELOW THE BOTTOM OF THE CANAL OR PIPE INVERT

ALL PROPOSED UNDERGROUND CATV WILL BE BURIES A MINIMUM OF 66" DEEP, EXCEPT BORES 48" DEEP

ALL PROPOSED UNDERGROUND CATV ROAD BORES WILL USE FDOT APPROVED DIRECTIONAL BORE MACHINE, AS WELL AS FDOT APPROVED CONDUIT

ALL PROPOSED CATV ROAD BORES WILL EXTEND A MINIMUM OF 8' BEYOND THE EDGE OF PAVEMENT

ALL PROPOSED CATV DRIVEWAY BORES WILL EXTEND A MINIMUM OF 4' BEYOND THE EDGE OF PAVEMENT

ALL PROPOSED CATV WILL BE .625" OR .875" DIAMETER, INSULATED COAXIAL CABLE OR 1.0" DIAMETER, INSULATED FIBER OPTIC CABLE, AND WILL BE LASHED TO .250" STEEL STRAND CABLE USING .125" STD. GALV. LASHING WIRE

ALL PROPOSED AERIAL CATV CROSSINGS (BOTH ROADWAYS AND DRIVEWAYS) WILL HAVE MINIMUM MID-SPAN HEIGHT OF 18'-0".

ALL PAEALLEL PROPOSED AERIAL CATV WILL HAVE MINIMUM MID-SPAN HEIGHT OF 16'-6" AS PER NESC SPECIFICATIONS.

LOCATES WILL BE REQUIRED IN ALL PROPOSED UNDERGROUND AREAS AT LEAST 48 HRS. PRIOR TO CONSTRUCTION.

NOTIFICATIONS TO ALL UTILITIES INVOLVED WILL BE MADE PRIOR TO CONSTRUCTION.

GENERAL NOTES

MAINTENANCE OF TRAFFIC TO BE SUPERVISED BY A CERTIFIED PERSON.

TEST RESULTS ARE REQUIRED UPON REQUEST.

THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT A MINIMUM OF TWO BUSINESS DAYS PRIOR TO ANY LANE CLOSURES OR BEGINNING ANY CONSTRUCTION WITHIN THE DOT RIGHT-OF-WAY.

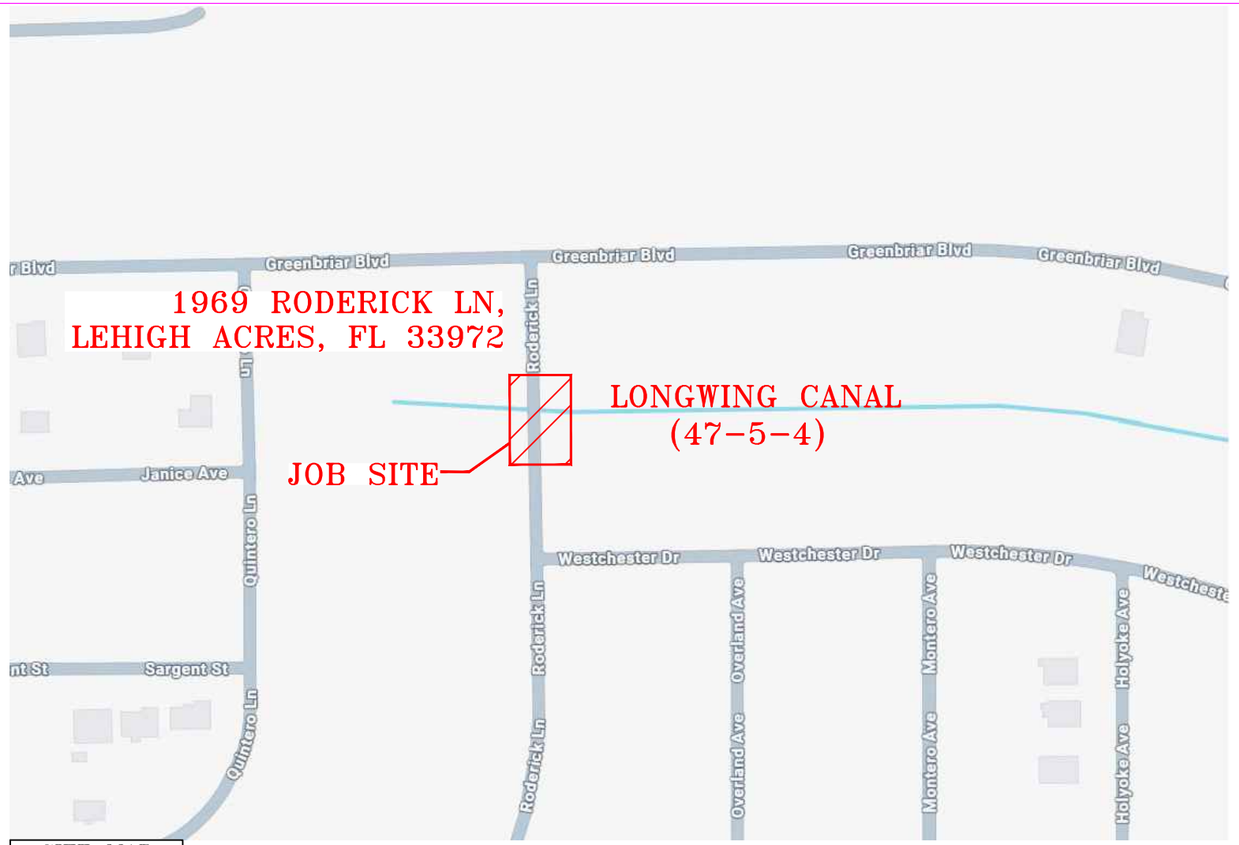
ALL WORK PERFORMED WITHIN THE DOT RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH DOT DESIGN STANDARDS, SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE UTILITY ACCOMODATION MANUAL, LATEST EDITIONS.

ENGINEER'S CERTIFICATION TOGETHER WITH AS-BUILTS, IF REQUIRED TO BE SUBMITTED WITHIN 30 DAYS OF COMPLETION.

ALL CONCRETE TO BE REMOVED SHALL BE SAW CUT AT THE NEAREST GOOD JOINT. GUTTER SHALL BE SAW CUT BETWEEN ASPHALT AND GUTTER BEFORE REMOVAL.

IT WILL BE THE RESPONSIBILITY OF THE PERMITTEE TO REPAIR ANY DAMAGE TO DOT FACILITIES CAUSED BY THE CONSTRUCTION OF THE PROJECT.

ALL CONCRETE SHALL BE 3,000 PSI. APPROVED DOT MIX DESIGN.

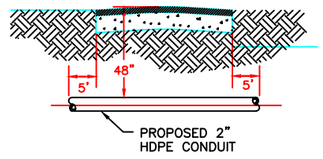


SITE MAP
SCALE: NONE

LEGEND

	BORE
	SWALE/DITCH
	GUARD RAIL
GAS	GAS
PWR	POWER
	U/G CATV
STLT	STREET LIGHT
SD	STORM DRAIN
SWR	SEWER
TELE	TELEPHONE
	TRAFFIC SIGNAL
W	WATER
	MISC U/G UTILITY
	PROPOSED U/G CATV
	PROPOSED AERIAL FIBER
	PROPOSED AERIAL CATV
℄	CENTERLINE
E/P	EDGE OF PAVEMENT
B/C	BACK OF CURB
R/W	RIGHT OF WAY

	POWER POLE
	POWER TRANSFORMER POLE
	JOINT USE TRANSFORMER POLE
	PHONE POLE
	CATV POLE
S	STEEL POLE
C	CONCRETE POLE
	JOINT USE POLE
R	RISER
	ANCHOR
	OVERHEAD GUY
V	CATV FIBER VAULT
V	TRAFFIC SIGNAL VAULT
	TRAFFIC SIGNAL POLE
	TRAFFIC SIGNAL BOX
A	CROSS SECTION REFERENCE
XX	FTG BTWN REFERENCE POINTS
	REFERNCE POINT
	STORM DRAIN



TYPICAL DRIVEWAY
DIRECTIONAL BORE
N.T.S.

PROJECT TOTALS

PROP. BURIED CATV:	175'
PROP. OH CATV:	0'
TOTAL PROP. CATV:	175' (0.03MI.)

MOT NOTES

TRAFFIC CONTROL SHALL COMPLY WITH FEDERAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND F.D.O.T. DESIGN STANDARD #NO. 600.

JB0002369520_1969 RODERICK LN_ LAMSID

COMCAST
PROPRIETARY AND CONFIDENTIAL
12600 WESTLINKS DR., SUITE 4
FORT MYERS, FL 33913

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

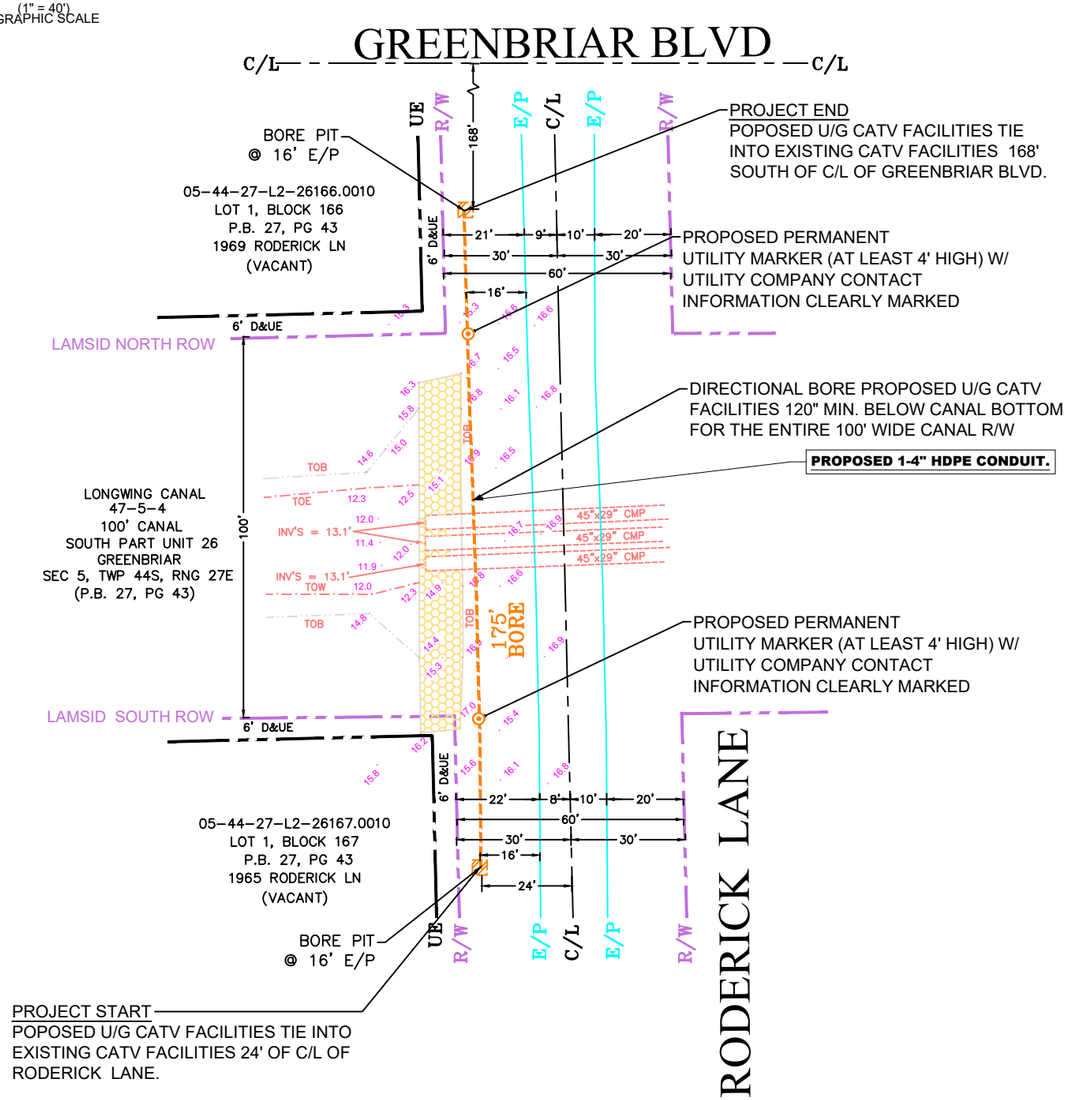
RIGHT-OF-WAY PERMIT

SUBJECT: PROPOSED U/G CATV FACILITIES ON RODERICK LN.	**COUNTY:** LEE
	STATE: FLORIDA
	SHEET NO.: 1 OF 4
	DATE: 06/03/2026
CIFA: N/A	**MAP:** 26.567973, -81.579621
JB#: JB0002369520	**DRAFTED BY:** A. PERDOMO

1969 RODERICK LN
LA-MSID PERMIT
PLAN VIEW

BINDING SPACE

0 20' 40'
(1" = 40')
GRAPHIC SCALE



CONSTRUCTION NOTE:
ALL BORE WORK WILL BE HORIZONTAL DIRECTIONAL DRILL, NOT UNGUIDED BORING.

JB0002369520_1969 RODERICK LN_ LAMSID

COMCAST
PROPRIETARY AND CONFIDENTIAL
12600 WESTLINKS DR., SUITE 4
FORT MYERS, FL 33913

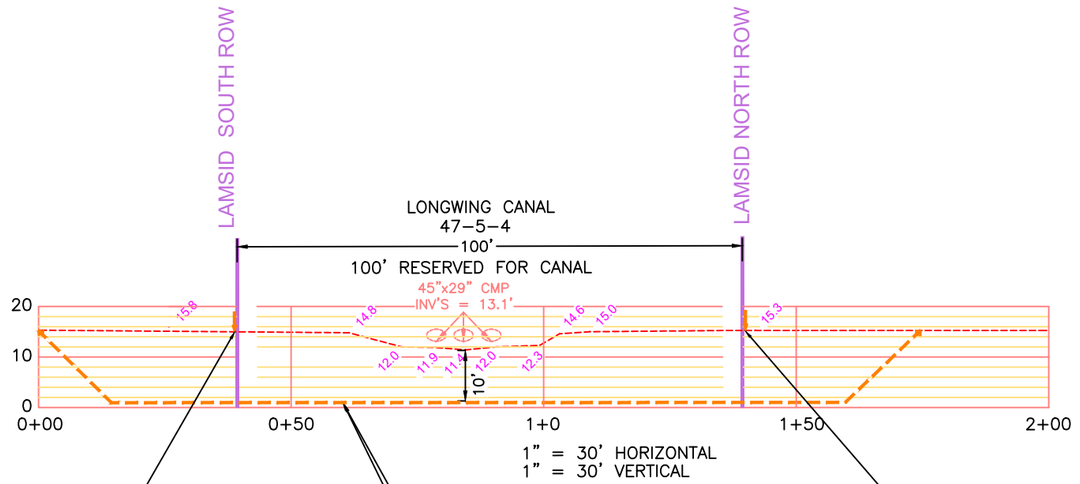
LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT
RIGHT-OF-WAY PERMIT

SUBJECT: PROPOSED U/G CATV FACILITIES ON RODERICK LN.	**COUNTY:** LEE
	STATE: FLORIDA
	SHEET NO.: 2 OF 4
	DATE: 06/03/2026
CIFA: N/A	**MAP:** 26.567973, -81.579621
JB#: JB0002369520	**DRAFTED BY:** A. PERDOMO

1969 RODERICK LN
LA-MSID PERMIT
CROSS SECTION



(1" = 30')
GRAPHIC SCALE



PROPOSED 1-4" HDPE CONDUIT.

PROPOSED PERMANENT UTILITY MARKER (AT LEAST 4' HIGH) W/ UTILITY COMPANY CONTACT INFORMATION CLEARLY MARKED UPON IT

DIRECTIONAL BORE PROPOSED U/G CATV FACILITIES 120" MIN. BELOW CANAL BOTTOM FOR THE ENTIRE 100' WIDE CANAL R/W

PROPOSED PERMANENT UTILITY MARKER (AT LEAST 4' HIGH) W/ UTILITY COMPANY CONTACT INFORMATION CLEARLY MARKED UPON IT

CONSTRUCTION NOTE:
BORE MUST BE 10' BELOW THE LOWEST PIPE INVERT OR THE CANAL BOTTOM, WHICHEVER IS LOWER, FOR THE ENTIRE 100' WIDE CANAL RIGHT OF WAY.

CONSTRUCTION NOTE:
ALL CANAL RIGHT OF WAY THAT IS DISTURBED MUST BE RESTORED WITH SOD AND MAINTAINED UNTIL WELL ESTABLISHED. NO SEEDING WILL BE ALLOWED.

BINDING SPACE

JB0002369520_1969 RODERICK LN_ LAMSID

COMCAST
PROPRIETARY AND CONFIDENTIAL
12600 WESTLINKS DR., SUITE 4
FORT MYERS, FL 33913

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

RIGHT-OF-WAY PERMIT

SUBJECT: PROPOSED U/G CATV FACILITIES ON RODERICK LN.	**COUNTY:** LEE
	STATE: FLORIDA
	SHEET NO.: 3 OF 4
	DATE: 06/03/2026
CIFA: N/A	**MAP:** 26.567973, -81.579621
JB#: JB0002369520	**DRAFTED BY:** A. PERDOMO

BINDING SPACE

1969 RODERICK LN
LA-MSID PERMIT
SITE PHOTOS



JB0002369520_1969 RODERICK LN_ LAMSID

COMCAST
PROPRIETARY AND CONFIDENTIAL
12600 WESTLINKS DR., SUITE 4
FORT MYERS, FL 33913

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

RIGHT-OF-WAY PERMIT

SUBJECT: PROPOSED U/G CATV FACILITIES ON RODERICK LN.	**COUNTY:** LEE
	STATE: FLORIDA
	SHEET NO.: 4 OF 4
	DATE: 06/03/2026
CIFA: N/A	**MAP:** 26.567973, -81.579621
JB#: JB0002369520	**DRAFTED BY:** A. PERDOMO

NOTE:

1. This Index applies to Two-Lane, Two-Way and Multilane Roadways, including Medians of divided roadways, with work on the shoulder.

2. L = Taper Length
   X = Work Zone Sign Spacing
   B = Buffer Length
   See Index 102-600 for "L", "X", "B", and channelizing device spacing values.

3. Where work activities are between 2' and 15' from the edge of traveled way, the Engineer may omit signs and channelizing devices for work operations 60 minutes or less.

4. When four or more work vehicles enter the through traffic lanes in a one hour period (excluding establishing and terminating the work area), use a flagger or lane closure to accommodate work vehicle ingress and egress.

5. For work less than 2' from the traveled way and work zone speed is greater than 45 MPH, use a lane closure.

6. The "Speeding Fines Doubled When Workers Present" signs (TTC-011A-25) and "End Road Work" Signs (G20-2) along with the associated work zone sign spacing distances may be omitted when the work operation is in place for 24 hours or less.

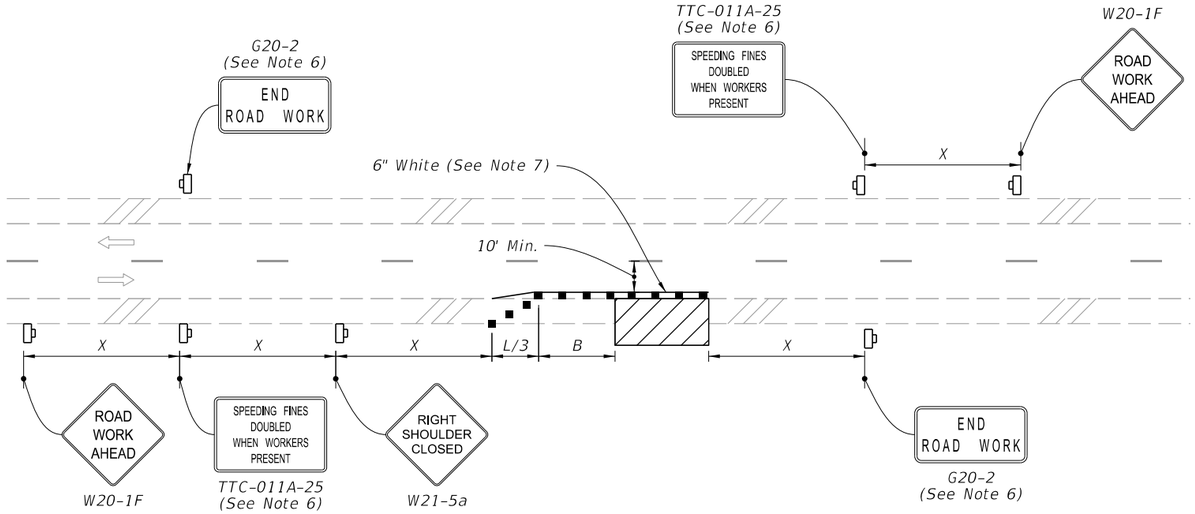
7. Temporary pavement markings may be omitted when the work operation is in place for 3 days or less.

8. Omit "Shoulder Closed" signs (W21-5a) along with associated work zone sign spacing distances for work on the median.

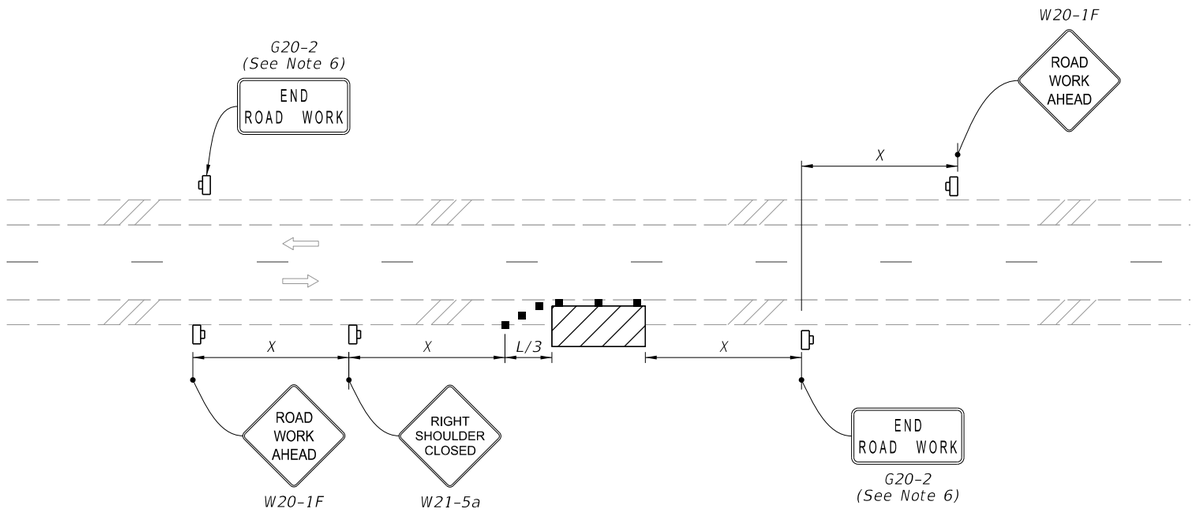
9. When there is no paved shoulder, the "Worker" sign (W21-1) may be used instead of the "Shoulder Closed" sign (W21-5a).

SYMBOLS:

- Work Area
- ■ Channelizing Device (See Index 102-600)
- Work Zone Sign
- Lane Identification and Direction of Traffic



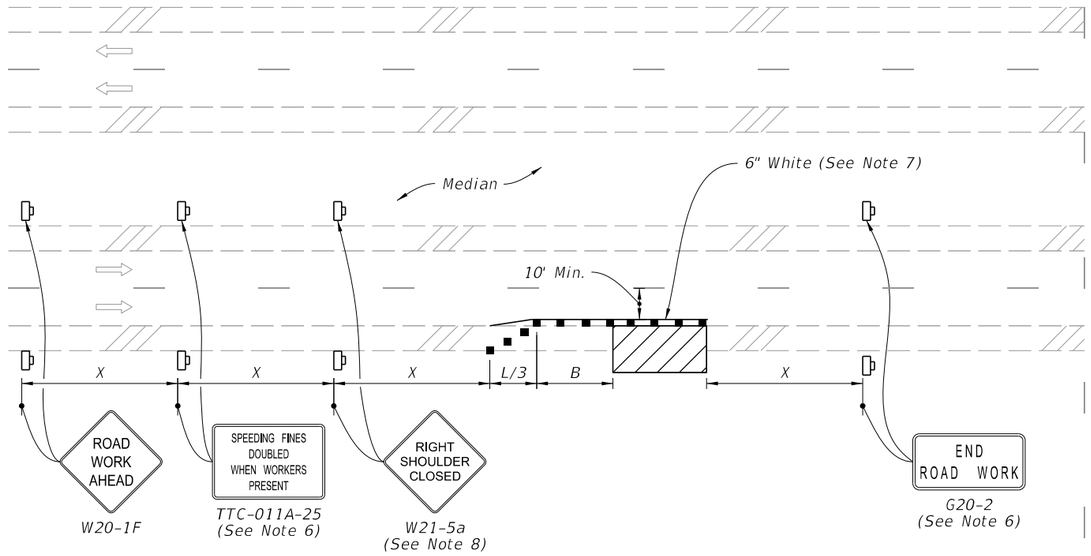
TWO-LANE ROADWAY
SHOULDER WORK LESS THAN 2' FROM THE TRAVELED WAY WITH WORK ZONE SPEED OF 45 MPH OR LESS



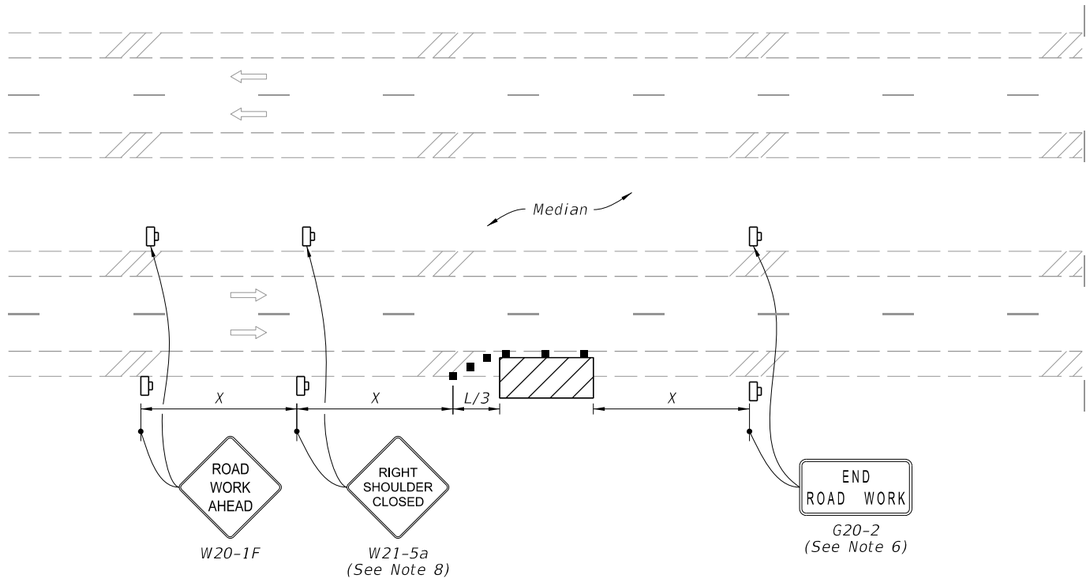
TWO-LANE ROADWAY
SHOULDER WORK BETWEEN 2' AND 15' FROM THE TRAVELED WAY

10/14/2025 9:34:11 AM

LAST REVISION	REVISION	DESCRIPTION:				
11/01/25			FY 2026-27 STANDARD PLANS	TWO-LANE AND MULTILANE, WORK ON SHOULDER	INDEX 102-602	SHEET 1 of 2



MULTILANE ROADWAY
SHOULDER WORK LESS THAN 2' FROM THE TRAVELED WAY WITH WORK ZONE SPEED OF 45 MPH OR LESS



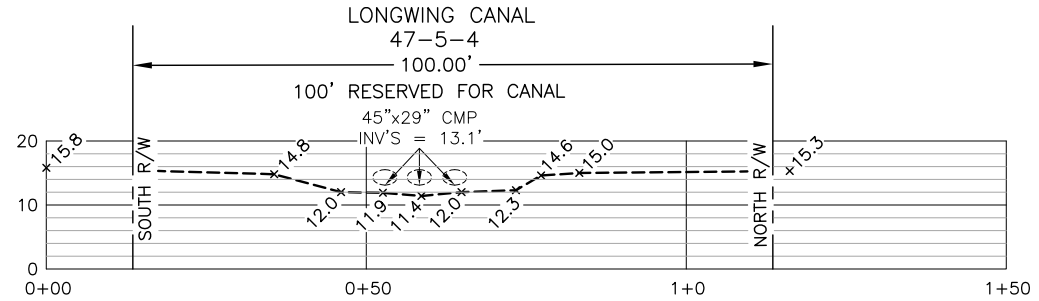
MULTILANE ROADWAY
SHOULDER WORK BETWEEN 2' AND 15' FROM THE TRAVELED WAY

SYMBOLS:

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Lane Identification and Direction of Traffic

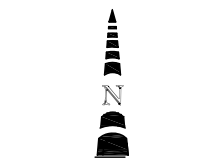
10/14/2025 9:34:21 AM

LAST REVISION	REVISION	DESCRIPTION:	FY 2026-27 STANDARD PLANS	TWO-LANE AND MULTILANE, WORK ON SHOULDER	INDEX	SHEET
11/01/25					102-602	2 of 2



A-A PROFILE VIEW

1" = 30' HORIZONTAL
1" = 30' VERTICAL



0 15' 30'
(1" = 30')
GRAPHIC SCALE

ASBUILT SURVEY

OF A PARCEL OF LAND LYING IN SECTION 5, TOWNSHIP 44 SOUTH, RANGE 27 EAST, LEHIGH ACRES, LEE COUNTY, FLORIDA

NOTES:

SURVEY BASED ON THE PLAT OF SOUTH PART UNIT 26, GREENBRIAR, SEC 5, TWP 44S, RNG 27E AS RECORDED IN PLAT BOOK 27, PAGE 43 OF THE PUBLIC RECORDS OF LEE COUNTY, FLORIDA AND EXISTING MONUMENTATION.

THIS PLAT PREPARED AS AN ASBUILT SURVEY FOR THE PURPOSE OF LOCATING THE FEATURES WITHIN AND ADJACENT TO THE CANAL CROSSING WEST OF RODERICK LANE BETWEEN GREENBRIAR AND WESTCHESTER DRIVE, LEHIGH ACRES.

THE ELEVATIONS SHOWN HEREON ARE NORTH AMERICAN VERTICAL DATUM OF 1988 (N.A.V.D. 88) IN FEET AND DECIMALS THEREOF AND BASED UPON CONTINUOUSLY OPERATING FLORIDA PERMANENT REFERENCE NETWORK (FPRN) STATIONS MAINTAINED BY THE FLORIDA DEPARTMENT OF TRANSPORTATION.

PARCEL LIES WITHIN ZONE X, PER INSURANCE RATE MAP 125124 0317F, EFFECTIVE DATE OF 8/28/08, THEREFORE HAS NO BASE FLOOD ELEVATION.

THE F.E.M.A. FLOOD ZONE INFORMATION INDICATED HEREON IS BASED ON MAPS SUPPLIED BY THE FEDERAL GOVERNMENT. THIS FLOOD INFORMATION MUST BE VERIFIED WITH ALL PERMITTING REGULATORY ENTITIES PRIOR TO COMMENCING ANY WORK OR APPLICATION DEPENDENT ON SAID FLOOD INFORMATION.

UNDERGROUND IMPROVEMENTS, UTILITIES AND/OR FOUNDATIONS WERE NOT LOCATED UNLESS OTHERWISE NOTED.

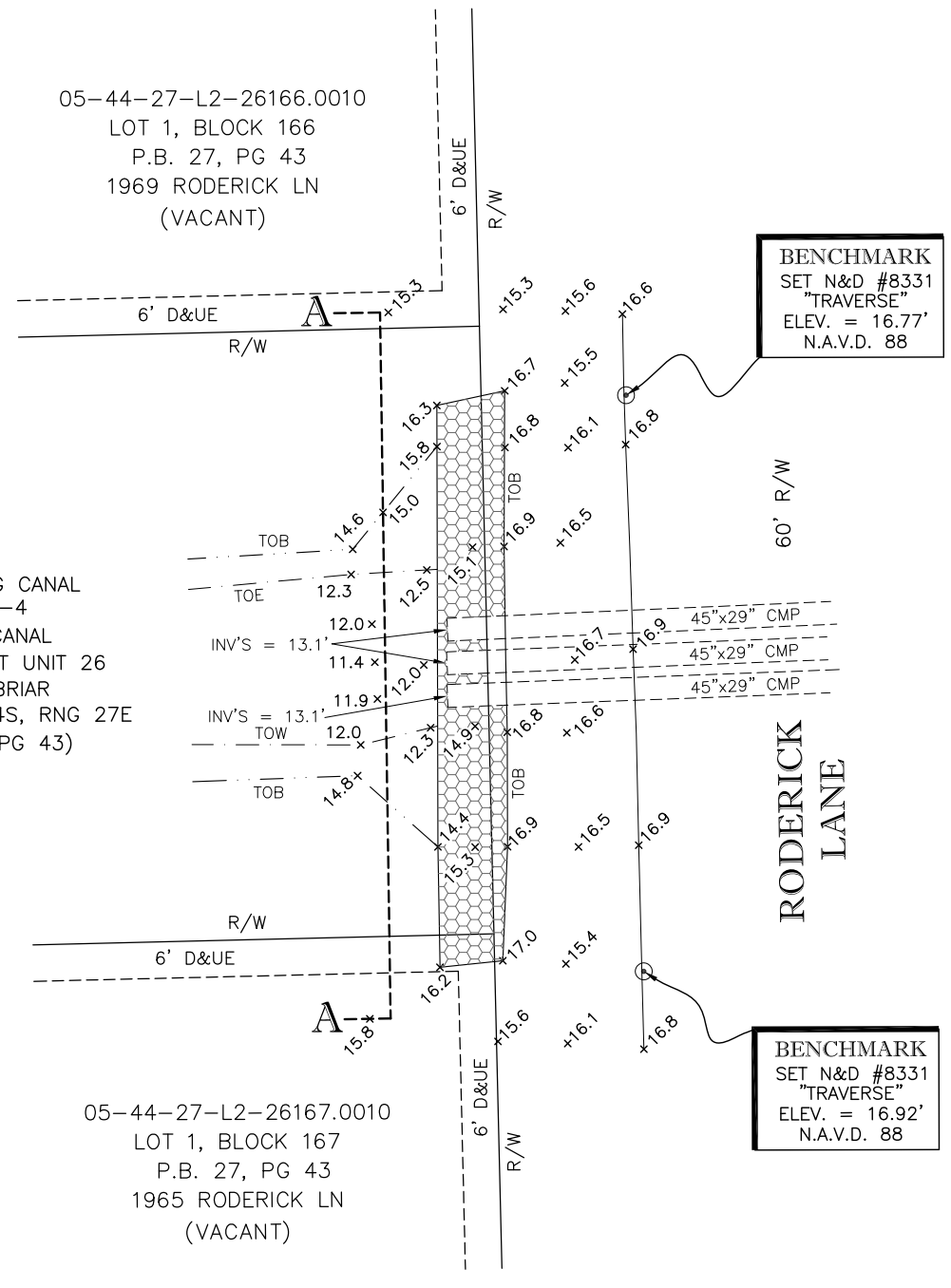
WETLANDS, IF ANY, WERE NOT LOCATED.

SUBJECT TO EASEMENTS, RESTRICTIONS, RESERVATIONS AND RIGHTS-OF-WAY (RECORDED AND UNRECORDED, WRITTEN AND UNWRITTEN).

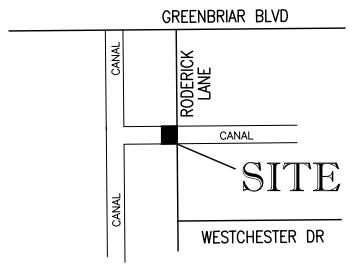
DATE OF LAST FIELD WORK: 5-22-2026.

LEGEND:

N&D = NAIL AND DISC
P.B. = PLAT BOOK
PG = PAGE
SEC = SECTION
TWP = TOWNSHIP
RNG = RANGE
D&UE = DRAINAGE AND UTILITY EASEMENT
R/W = RIGHT OF WAY
ELEV = ELEVATION
TRAV = TRAVERSE
ID = IDENTIFICATION
TOB = TOP OF BANK
TOE = TOE OF SLOPE
CONC = CONCRETE
EOP = EDGE OF PAVEMENT
N.A.V.D. 88 = NORTH AMERICAN VERTICAL DATUM 1988
CMP = CORRUGATED METAL PIPE
+28.7' = SPOT ELEVATION
= CONC RIP-RAP



VICINITY SKETCH
(NOT TO SCALE)



BY: _____
NOAH JOHN MEDEIROS
PROFESSIONAL SURVEYOR AND MAPPER
FLORIDA CERTIFICATE NO. LS#7345

NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.

THIS TOPOGRAPHIC SURVEY MEETS THE STANDARDS OF PRACTICE SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS, PURSUANT TO SECTION 472.027, FLORIDA STATUES AND CHAPTER 5J-17.05, FLORIDA ADMINISTRATIVE CODE.

THIS SURVEY WAS PREPARED WITHOUT BENEFIT OF AN ABSTRACT OF TITLE AND ALL MATTERS OF TITLE SHOULD BE REFERRED TO AN ATTORNEY AT LAW.

RODERICK LANE, LEHIGH ACRES

TITLE: ASBUILT SURVEY

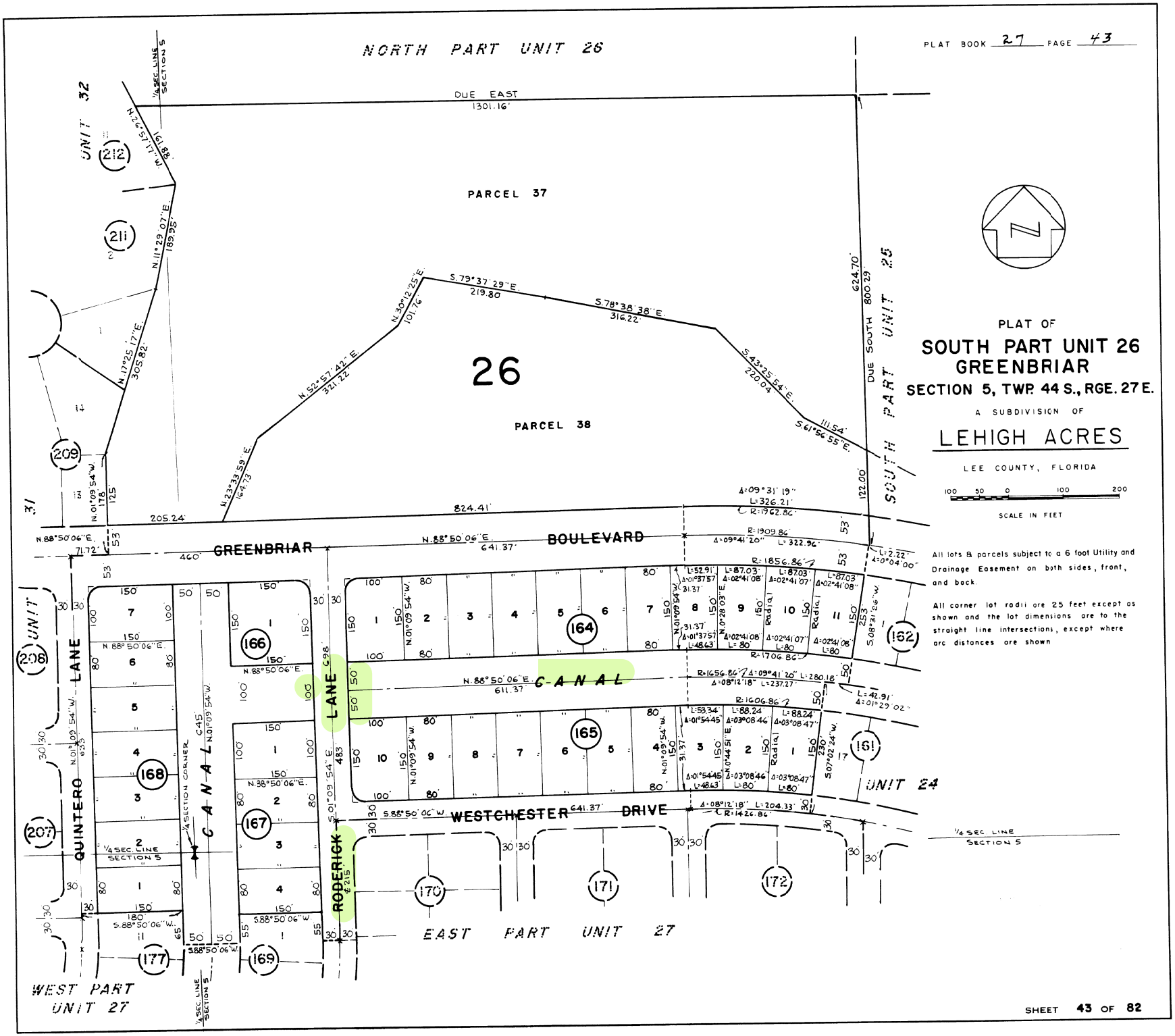
KEYSTONE
A CLS COMPANY
www.keystoneconsultants.net

10970 S. CLEVELAND AVE.
SUITE #605
FORT MYERS, FLORIDA 33907
PHONE: (239) 275-8575
FAX: (239) 275-8457

LB #8331

FILE NAME:	FIELD BOOK/PAGE:	PROJECT NO.:	SHEET:
15802SR.DWG	SEE FILE	15802	1 OF 1

SURVEY DATE:	DRAWN BY:	SCALE:	CHECKED BY:	FILE NO. (S-T-R)
6/03/26	BUD	1"= 30'	NJM	05-44-27


PLAT BOOK 27 PAGE 43
NORTH PART UNIT 26
DUE EAST
1301.16'
PARCEL 37
26
PARCEL 38
PLAT OF
SOUTH PART UNIT 26
GREENBRIAR
SECTION 5, TWP. 44 S., RGE. 27 E.
A SUBDIVISION OF
LEHIGH ACRES
LEE COUNTY, FLORIDA
SCALE IN FEET
All lots & parcels subject to a 6 foot Utility and Drainage Easement on both sides, front, and back.
All corner lot radii are 25 feet except as shown and the lot dimensions are to the straight line intersections, except where arc distances are shown
GREENBRIAR BOULEVARD
CANAL
LANE
QUINTERO
RODERICK
WESTCHESTER DRIVE
WEST PART UNIT 27
EAST PART UNIT 27
SOUTH PART UNIT 25
UNIT 24
UNIT 32
1/4 SEC LINE SECTION 5
SHEET 43 OF 82

PART IV #26-115

Recommended Action

Engineering Review:

By: _____ 7/1/2026 **Approved** **X** **Denied** __

District Field Review:

By: _____ **Approved** ___ **Denied** ___

District Manager: _____ **Date**: _____

Comments:

The referenced permit application for a boring under Longwing Canal (47-5-4) at 1969 Roderick Ln, in Lehigh Acres, submitted by Comcast, has been reviewed and is recommended for approval with the following stipulations:

1. Permanent above-ground cable markers must be placed at the canal right-of-way (R/W) line on each side of the crossing.

2. Any disturbed canal R/W must be restored with sod and maintained until fully established. Seeding will not be permitted.

3. Within 30 days of completing the improvements, provide LA-MSID with a copy of the survey record drawings indicating the location and elevation of utilities within the canal R/W.

4. The permittee will be responsible for any necessary repairs, alterations, or relocation of the utility if required for future maintenance or repairs of the canal.

5. Lee County DOT must review and approve any utility work proposed within the County Road R/W.

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

AGENDA ITEM SUMMARY

Subject: 2026 Legislative Appropriation

Meeting Date: July 20, 2026

Agenda Item # 4A1

☐ **CONSENT** ☐ **ACTION** ☒ **OLD BUSINESS** ☐ **NEW BUSINESS**

Request Initiated By: ☐ **COMMISSIONER** _____ ☐ **ATTORNEY**

☐ **BOARD** ☒ **MANAGER** ☐ **ENGINEER** ☐ **AUDITOR**

1 Recommended motion: N/A

2 What the action accomplishes: Provides a forum to dicuss the 2026 Legislative Appropriation for the RISE Project. The project made it into the final budget.

3 Fiscal Impact:

4 Staff comments:

5 Staff review and recommended approval:

☒ **MANAGER** ☒ **ASSISTANT DISTRICT MGR**

☒ **ATTORNEY** ☐ **FIELD DIRECTOR**

☐ **ENGINEER** ☐ **FINANCE DIRECTOR**

6 Board Action:

☐ **APPROVED** ☐ **DENIED** ☐ **DEFERRED**

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

AGENDA ITEM SUMMARY

Subject: Leeland Bottomless Lake Building

Meeting Date: July 20, 2026

Agenda Item # 4A2

☐ **CONSENT** ☐ **ACTION** ☒ **OLD BUSINESS** ☐ **NEW BUSINESS**

Request Initiated By: ☐ **COMMISSIONER** _____ ☐ **ATTORNEY**

☐ **BOARD** ☒ **MANAGER** ☐ **ENGINEER** ☐ **AUDITOR**

1 Recommended motion: N/A

2 What the action accomplishes: Provides for a forum to discuss the progress for the interpretive Center's likelyhood of being located on LA-MSID's 19-acre sinkhole parcel. So far, we have good verbal notification.

3 Fiscal Impact:

4 Staff comments:

5 Staff review and recommended approval:

☒ **MANAGER** ☒ **ASSISTANT DISTRICT MGR**

☒ **ATTORNEY** ☐ **FIELD DIRECTOR**

☐ **ENGINEER** ☐ **FINANCE DIRECTOR**

6 Board Action:

☐ **APPROVED** ☐ **DENIED** ☐ **DEFERRED**

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

AGENDA ITEM SUMMARY

Subject: Manager Replacement Strategy and Schedule

Meeting Date: July 20, 2026

Agenda Item # 4A3

☐ **CONSENT** ☒ **ACTION** ☒ **OLD BUSINESS** ☐ **NEW BUSINESS**

Request Initiated By: ☐ **COMMISIONER** _____ ☐ **ATTORNEY**

☐ **BOARD** ☒ **MANAGER** ☐ **ENGINEER** ☐ **AUDITOR**

Recommended motion: N/A

What the action accomplishes: Provides for a forum, to discuss the procedure for replacing the Manager by October 31, 2027.

Fiscal Impact:

Staff comments:

Staff review and recommended approval:

☒ **MANAGER** ☐ **ASSISTANT DISTRICT MGR**

☐ **ATTORNEY** ☐ **FIELD SUPERINTENDENT**

☒ **ENGINEER** ☒ **CONTROLLER**

Board Action:

☐ **APPROVED** ☐ **DENIED** ☐ **DEFERRED**

Lehigh Acres Municipal Services Improvement District
Job Description

Job Title:	District Manager
Department:	Department 1
Reports To:	Board of Commissioners
FLSA Status:	Exempt for FLSA; Exempt from union membership
Prepared By:	Board of Commissioners and Resource and Relations Director
Approved By:	Board of Commissioners
Approved Date:	June 2026
Pay Level:	Contract
Last Modified:	May 28, 2026

SUMMARY: This position is responsible for the overarching leadership of the Lehigh Acres Municipal Services Improvement District (LA-MSID). The incumbent acts as the key link between the Board, employees, community, stakeholders, and legislators. This includes policy-setting, direct communications and planning with the Board, executing Board directives, strategy planning, high-level communications with Legislators, planning and managing the growth of the agency in future terms and real-time, and identifying and handling special projects. The candidate must have extensive prior knowledge of stormwater operations, how to implement its mission, and its services.

LA-MSID is a growing organization that may expand its powers. The candidate must be familiar with governmental methodology necessary to accomplish this task.

EDUCATION and/or EXPERIENCE

The successful candidate must possess a bachelor's degree from an accredited college/university in Public or Business Administration, civil engineering or a related field or; **AND**, extensive progressively responsible managerial experience, preferably in government. Experience in government accounting practices and principles is a plus.

Significant experience in stormwater management and knowledge of construction project management and design.

Ability to learn and understand the composition, duties and responsibilities of the Lehigh Acres Municipal Services Improvement District.

Must possess significant soft skills, team building skills and motivational skills.

CERTIFICATES, LICENSES, REGISTRATIONS:

Must have a valid Florida Class "E" Driver's License.

Must complete Certified District Manager Course (FASD) within two years of hire date and maintain certification annually thereafter.

Software: Should be proficient in Word, Excel, PowerPoint, Project and Outlook. Access, AutoCAD and ArcView a plus. If required to learn any new software, training will be provided.

QUALIFICATIONS

Ability to establish and maintain effective working relationships with department heads, other employees, public officials and the general public. Maintains a favorable working relationship with all other employees to foster and promote a cooperative and harmonious working climate which will be conducive to maximum employee morale, productivity, and efficiency/effectiveness.

- Ability to effectively supervise, develop, motivate and discipline district personnel.
- Ability to effectively communicate and negotiate with partners at the state and county level and effectively communicate to the Board and the community.
- Must have labor relations/collective bargaining experience

SUPERVISORY RESPONSIBILITIES

- Plans, coordinates, and supervises the work of operations personnel engaged in construction and maintenance of canals, rights-of-way, and pump stations, recreational facilities, equipment repair, and related activities.
- Prepares reports and makes presentations to the Board of Commissioners, advisory boards, and the general public.
- Writes performance evaluations; handles employee complaints and grievances; conducts interviews, and recommends the hiring, firing and promotion of staff.

ESSENTIAL DUTIES AND RESPONSIBILITIES*: include the following. Other duties may be assigned.*

Over sees general management of District operations providing direction and guidance to department directors in formulating and executing administrative policies and developing new programs.

Directs the development of the annual fiscal budget utilizing sound, fiscally responsible government accounting policies and controls.

Directs inter-government coordination with other governmental jurisdictions, civic, and community groups and private industry officials on matters of interest on behalf of the District.

Facilitates long and short-range planning efforts regarding all elements of District operations including but not limited to the Strategic Plan, Capital Improvement Plan, the District's Emergency Plan and the Capital Replacement Plan.

Evaluates and manages contractual obligations of the District.

When necessary, meets with residents, engineers, developers, contractors and other professionals to accomplish tasks. Responds to Board members' requests.

Prepares related agenda items and the necessary back-up data needed for Board meeting packets. Required to attend and give presentations at District Board meetings to the Board of Commissioners.

Maintains a high level of confidentiality with discretionary knowledge.

May work overtime as required without additional compensation.

Establish and maintain effective and harmonious communication with the Field Department, Accounting Department, Human Resources and Administration Departments.

When applicable, develop a coordinated team approach with staff to accomplish all activities and projects.

May be called upon to represent the District at governmental/regulatory agency meetings.

May be required to assist, substitute or do any additional jobs as called upon by the District Manager.

Attend conventions and seminars, keeping knowledge and skills at a high level.

May be called upon to respond to emergencies outside of normal working hours and act as Emergency Action Coordinator to determine action to be taken in event of equipment or power failure, or flood control.

Conducts field inspections to assure compliance with District approved plans, specifications and policies.

GENERAL STATEMENT

To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required. Reasonable accommodation may be made to enable individuals with disabilities to perform the essential functions.

LANGUAGE SKILLS

Ability to read, analyze, and interpret common scientific and technical journals, financial reports, and legal documents. Ability to respond to common inquiries or complaints from customers, regulatory agencies, or members of the business community. Ability to write speeches and articles for publication that conform to prescribed style and format. Ability to effectively present information to top management, public groups, and/or boards of directors.

MATHEMATICAL SKILLS
Ability to work with mathematical concepts such as probability and statistical inference, and fundamentals of plane and solid geometry and trigonometry. Ability to apply concepts such as fractions, percentages, ratios, and proportions to practical situations.

REASONING ABILITY
Ability to define problems, collect data, establish facts, and draw valid conclusions. Ability to interpret an extensive variety of technical instructions in mathematical or diagram form and deal with several abstract and concrete variables.

PHYSICAL DEMANDS
The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this job, the employee is regularly required to talk or hear. The employee frequently is required to walk; sit; Travel regularly by vehicle for District related duties and activities; and use hands to finger, handle, or feel. The employee is occasionally required to stand; reach with hands and arms; climb or balance; stoop, kneel, crouch, or crawl; and taste or smell. The employee must occasionally lift and/or move up to 25 pounds. Specific vision abilities required by this job include close vision, distance vision, peripheral vision, depth perception, and ability to adjust focus.

WORK ENVIRONMENT
The workplace is primarily in an office setting, which may include long hours sitting in one place, utilizing a computer screen. In some circumstances, the incumbent may be required to inspect job sites under various weather conditions, near machinery, or near water.

While performing the duties of this job, the employee is occasionally exposed to wet and/or humid conditions, moving mechanical parts, fumes or airborne particles, outside weather conditions, extreme cold, and extreme heat. The noise level in the work environment is usually quiet but can be moderately high under certain circumstances.

The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Change Log:

- Removed LAMSID logo from title.
- Changed font to Times New Roman.
- Some alignment changes in word doc.

Lehigh Acres Municipal Services Improvement District
Job Description

Job Title:	Assistant District Manager
Department:	Department 1
Reports To:	District Manager
FLSA Status:	Exempt for FLSA; Exempt from union membership
Prepared By:	David E. Lindsay
Approved By:	Board of Commissioners
Approved Date:	December 11, 2006
Pay Level:	32
Last Modified:	March 18, 2019

SUMMARY: This is a highly responsible exempt, technical professional position responsible for assigning, coordinating, supervising personnel and equipment in assigned units, infrastructure construction and maintenance operations and preparation of reports, spreadsheets and databases. The work involves the coordination of work force, materials, and equipment in widely separated geographical areas of the District. An employee in this class is expected to exercise considerable initiative and independent judgment in directing field operations and in resolving work problems in accordance with established policy and procedure. The Assistant District Manager reports directly to and assists the District Manager by providing in-house engineering expertise, comprehensive planning and technical support. May interact on a daily basis with consulting engineers, contractors, other public and private agencies, the general public and in-house staff. Provides oversight of capital improvement projects including construction of infrastructure, from design through construction and administration of permitting and right-of-way activities.

EDUCATION and/or EXPERIENCE

The successful candidate must possess a Bachelor's Degree from an accredited college/university in engineering, civil engineering or related field; **AND**, extensive progressively responsible managerial experience, preferably in government. Or an equivalent combination of related training and experience that will provide the skills, knowledge and abilities to accomplish the job requirements.

Must have a valid and acceptable Florida Driver's License Class E.

Professional experience in water management including but not limited to drainage, irrigation or related fields.

Ability to learn and understand the composition, duties and responsibilities of the Lehigh Acres Municipal Services Improvement District.

CERTIFICATES, LICENSES, REGISTRATIONS:
Must have a valid Florida Driver's License.

Must complete Certified District Manager Course (FASD) within four years of hire date and maintain certification annually thereafter.

Software: Word, Excel, PowerPoint, Access, Outlook, AutoCAD and ArcView. If required to learn any new software, training will be provided.

QUALIFICATIONS
Ability to establish and maintain effective working relationships with department heads, other employees, public officials and the general public. Maintains a favorable working relationship with all other employees to foster aid promote a cooperative and harmonious working climate which will be conducive to maximum employee morale, productivity, and efficiency/effectiveness.

- Ability to effectively supervise, develop, motivate and discipline accounting personnel.
- Ability to communicate ideas, explanations and recommendations clearly orally, graphically and in writing.

SUPERVISORY RESPONSIBILITIES

- In addition to other duties, the Assistant Manager, at the request of the District Manager may be called upon to temporarily take over the duties of the Manager. Is the second line of management and responsibility behind the District Manager in the overall direction, coordination and evaluation of all Departments.
- Plans, coordinates, and supervises the work of Operations personnel engaged in construction and maintenance of canals, rights-of-way, and pump stations, recreational facilities, equipment repair, and related activities.
- Communicates current issues to the District Manager and ensures that he/she stays abreast of any emergencies as they occur.
- Prepares reports and makes presentations to the Board of Commissioners, advisory boards, and the general public.
- Writes performance evaluations; handles employee complaints and grievances; conducts interviews, and recommends the hiring, firing and promotion of staff.

ESSENTIAL DUTIES AND RESPONSIBILITIES*: include the following. Other duties may be assigned.*

Work involves utilizing technical engineering practices while exercising considerable judgment, initiative and professional knowledge in the oversight of construction projects which include but are not limited to: review of proposals, plats; maps; surveys, and designs of drainage facilities. Tracks all projects in progress, keeping the District Manager up to date, making recommendations

when necessary for technical decisions on requests for time extensions and any other related difficulties that may arise.

The Assistant District Manager generally works in an office, however will be required to work in the field as necessary to perform the essential functions of the position. In the office, the Assistant District Manager will meet with the District Manager and staff, consultants and possibly District residents. In the Field, the Assistant District Manager will meet with contractors, consultants, field staff or District residents when necessary. Prepares and may review reports, bids, advertisements for bids and plans keeping complete and accurate records.

When necessary, meets with residents, engineers, developers, contractors and other professionals to accomplish tasks. Responds to Board members requests.

Confers regularly with the District Manager on matters of policy along with short and long-term planning; works on special projects as required.

Prepares related agenda items and the necessary back-up data needed for Board meeting packets. Required to attend District Board meetings and may be called upon by the District Manager to give reports and presentations to the Board of Commissioners. May be called upon by the District Manager to attend various meetings of any type. Some examples may be: meetings with other agencies, community meetings and meetings of state, county and special districts. Meetings may occur during or outside of normal working hours.

Works independently using time wisely and completes assignments in a timely manner as well as having the ability to take both verbal and written directions.

Maintains a high level of confidentiality with discretionary knowledge.

May work overtime as required without additional compensation.

Adheres to all policies, procedures and standards of Lehigh Acres Municipal Services Improvement District and pertinent federal, state, local laws while fulfilling the duties of position.

Assists the District Manager in preparing and implementing strategic documents including but not limited to Policy and Procedures, Permitting Policy, Right-of-Way Policy and the District's Emergency Plan.

Administer permit compliance program and initiates enforcement action if necessary, coordinating with the appropriate governmental agencies and District staff.

Establish and maintain effective and harmonious communication with the Field Department, Accounting Department, Human Resources and Administration Departments.

When applicable, develop a coordinated team approach with staff to accomplish all activities and projects.

May be called upon to assist the District Manager in giving guidance and direction to professionals to carry out major plans, standards and procedures, consistent with established policies and Board approval. Provide necessary information and assistance to all the District's consultants.

May be called upon to prepare news releases.

May be called upon to represent the District at governmental/regulatory agency meetings.

May be required to assist, substitute or do any additional jobs as called upon by the District Manager.

Attend conventions and seminars, keeping knowledge and skills at a high level.

May be called upon to respond to emergencies outside of normal working hours and act as Emergency Action Coordinator to determine action to be taken in event of equipment or power failure, or flood control.

May review and make recommendations for the best application of new developments in the District's operations.

May be called upon to assist in coordinating with representatives of other organizations in developing interrelated area and regional projects.

Must be able to generate correspondence, spreadsheets and project schedules utilizing the latest computer programs and software.
May be called upon for District special projects/tasks.

Conducts field inspections to assure compliance with District approved plans, specifications and policies.

GENERAL STATEMENT
To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

LANGUAGE SKILLS
Ability to read, analyze, and interpret common scientific and technical journals, financial reports, and legal documents. Ability to respond to common inquiries or complaints from customers, regulatory agencies, or members of the business community. Ability to write speeches and articles for publication that conform to prescribed style and format. Ability to effectively present information to top management, public groups, and/or boards of directors.

MATHEMATICAL SKILLS
Ability to work with mathematical concepts such as probability and statistical inference, and fundamentals of plane and solid geometry and trigonometry. Ability to apply concepts such as fractions, percentages, ratios, and proportions to practical situations.

REASONING ABILITY
Ability to define problems, collect data, establish facts, and draw valid conclusions. Ability to interpret an extensive variety of technical instructions in mathematical or diagram form and deal with several abstract and concrete variables.

PHYSICAL DEMANDS
The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this job, the employee is regularly required to talk or hear. The employee frequently is required to walk; sit; Travel regularly by vehicle for District related duties and activities; and use hands to finger, handle, or feel. The employee is occasionally required to stand; reach with hands and arms; climb or balance; stoop, kneel, crouch, or crawl; and taste or smell. The employee must occasionally lift and/or move up to 25 pounds. Specific vision abilities required by this job include close vision, distance vision, peripheral vision, depth perception, and ability to adjust focus.

WORK ENVIRONMENT
Work may involve considerable sitting when in the office and considerable walking, climbing or working around construction and maintenance sites when in the field.

The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this job, the employee is occasionally exposed to wet and/or humid conditions, moving mechanical parts, fumes or airborne particles, outside weather conditions, extreme cold, and extreme heat. The noise level in the work environment is usually quiet.

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LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

AGENDA ITEM SUMMARY

Subject: Manager Replacement Strategy and Schedule

Meeting Date: July 20, 2026

Agenda Item # 4A3

☐ **CONSENT** ☒ **ACTION** ☒ **OLD BUSINESS** ☐ **NEW BUSINESS**

Request Initiated By: ☐ **COMMISIONER** _____ ☐ **ATTORNEY**

☐ **BOARD** ☒ **MANAGER** ☐ **ENGINEER** ☐ **AUDITOR**

Recommended motion: N/A

What the action accomplishes: Provides for a forum, to discuss the board meeting dates for next fiscal year.

Fiscal Impact: $400 advertising fee

Staff comments:

Staff review and recommended approval:

☒ **MANAGER** ☐ **ASSISTANT DISTRICT MGR**

☐ **ATTORNEY** ☐ **FIELD SUPERINTENDENT**

☒ **ENGINEER** ☒ **CONTROLLER**

Board Action:

☐ **APPROVED** ☐ **DENIED** ☐ **DEFERRED**

NOTICE OF MEETINGS
FISCAL YEAR 2026 – 2027
LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

THE REGULAR MONTHLY MEETINGS AND BUDGET HEARINGS, OF THE BOARD OF COMMISSIONERS OF THE LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT, LEHIGH ACRES, FLORIDA WILL BE HELD ON THE FOLLOWING DATES AT 6:00 P.M., (unless otherwise specified) AT THE LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT, 601 EAST COUNTY LANE, LEHIGH ACRES, FLORIDA, 33936.

October 19, 2026	MONDAY	May 17, 2027	MONDAY
November 16, 2026	MONDAY	June 21, 2027	MONDAY
December 14, 2026	MONDAY	July 19, 2027	MONDAY 5:00 PM BUDGET HEARING
January 25, 2027	MONDAY	July 19, 2027	MONDAY
February 22, 2027	MONDAY	August 16, 2027	MONDAY 5:00 PM BUDGET HEARING
March 15, 2027	MONDAY	August 16, 2027	MONDAY
April 19, 2027	MONDAY	Sept. 20, 2027	MONDAY

THIS NOTICE ADVISES THAT, IF A PERSON DECIDES TO APPEAL ANY DECISION MADE BY THE LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT BOARD OF COMMISSIONERS, WITH RESPECT TO ANY MATTER CONSIDERED AT THESE MEETINGS, HE WILL NEED A RECORD OF THE PROCEEDINGS AND THAT, FOR SUCH PURPOSE, HE MAY NEED TO ENSURE THAT A VERBATIM RECORD OF THE PROCEEDINGS IS MADE, WHICH RECORD INCLUDES THE TESTIMONY AND EVIDENCE UPON WHICH THE APPEAL IS TO BE BASED.

IN ADDITION, THE BOARD MAY CONDUCT SUCH OTHER SPECIAL MEETINGS AS REQUIRED WHICH WILL BE ADVERTISED SEVEN (7) DAYS PRIOR TO THE MEETINGS.

ANY INTERESTED PARTY DESIRING TO APPEAR BEFORE THE BOARD MAY DO SO ON THE DATES AND PLACE LISTED ABOVE.

SPECIAL REQUIREMENTS: IF YOU REQUIRE SPECIAL AID OR SERVICES AS ADDRESSED IN THE AMERICAN DISABILITIES ACT, PLEASE CONTACT HUMAN RESOURCES AT THE LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT OFFICE AT (239) 368-0044, NO LESS THAN FIVE (5) DAYS PRIOR TO THE ABOVE STATED MEETING DATE.

DAVID E. LINDSAY
DISTRICT MANAGER

2027

January '27

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February '27

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March '27

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May '27

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November '27

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December '27

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Holidays/Personal Days

Holidays

1/1/27	New Year's Day
1/18/27	MLK Jr. Day
2/15/27	President's Day
5/31/27	Memorial Day
7/4/27	Independence Day (Trade for 7/5)
9/6/27	Labor Day
11/11/27	Veterans Day
11/25/27	Thanksgiving Day
11/26/27	Day After Thanksgiving (Trade for Personal)
12/24/27	Christmas Eve (Trade for 12/23)
12/25/27	Christmas Day (Trade for Personal)

Key

- Board Meetings
- Both Board and Budget Meeting
- Holidays
- Pay Day
- Personal Day
- WOW Festival
- Personal Day Use Any Time

AIM Engineering & Surveying, Inc.

July 8, 2026

Board of Commissioners
Lehigh Acres Municipal Services Improvement District
601 East County Lane
Lehigh Acres, FL 33936

Re: Engineer's Report for the July 2026 Board Meeting

Dear Board Members:

The status of current projects and tasks involving the District Engineer is outlined as follows:

General Consulting

- Review the board agenda and prepare the monthly engineering report.
- Review and recommendation for permits within the report timeframe.
- Coordination and planning related to the Sinkhole parcel.
- Welcome sign coordination.

Recently Completed Projects

- Southwest Lehigh Groundwater Recharge and Aquifer Restoration (February 2018)
- Hendry Canal Extension Widening (February 2021)
- Halfway Pond – SR 82 Segment 3 (April 2019)
- JUSWMSA Agreement – FDOT (March 2021)
- West Marsh Design (May 2021)
- Weir S-VL-1 Replacement (August 2023)
- CREST Phase 2 (February 2024)

Current Projects Progress

Frank Mann Preserve (Formerly GS-10): The Frank Mann Preserve property was purchased by Lee County Conservation 20/20. A March 2019 Memorandum of Understanding (MOU) between Lee County and LA-MSID allows LAMSID to construct and maintain a stormwater storage and water quality system within the parcel. LA-MSID issued a Purchase Order to AIM in March 2020 to prepare a Land Management Plan as one of the first step requirements of the MOU. Following a presentation to Lee County's Conservation Land Acquisition and Stewardship Advisory Committee (CLASAC) made in December 2020, the committee recommended approval. The LA-MSID Board approved the Land Management Plan in January 2021 for submission to the Lee County Board of County Commissioners. The Lee County Board approved the County Commissioners' plan on their March 2021 agenda. The LA-MSID Board approved a purchase order to AIM for an initial design scope at the August 2021 Board meeting. Lee County cleared a small park access area.

As a result of critical Hurricane Ian recovery efforts, progress on the Frank Mann Preserve project was delayed. LAMSID staff continued to complete exotic vegetation removal & maintenance berm/access work, which aided the design team in understanding the effort involved in re-establishing the berm in the NW corner of the project. The design team recommended additional survey data to be collected along the northwest berm to aid in the completion of the 90% plans and permit application. Additional topographic survey data was completed in January 2024.

The project was selected to receive $15M in grant funding. LAMSID signed the agreement with SFWMD/FDEP to receive the funds. The purchase order for Phase 1 Post-Design & Construction-Phase services and Phase 2 Surveying, Modeling, Design, Permitting, Post-Design, and Construction Phase services was approved during the June board meeting.

LA-MSID staff have finalized exotic vegetation removal activities, and the final existing conditions were surveyed in late December 2025, as well as new drone aerials.

AIM and LA-MSID staff are working to amend the agreement to adjust the schedule and potentially incorporate the filter marsh envisioned for Phase 2 to be permitted and constructed in Phase 1. Conceptual filter marsh designs, including a maintenance path, have been developed to be incorporated in Phase 1. Design efforts continue using the new survey data from late December 2025. New survey data was also collected in late April 2026 and incorporated into the filter-marsh design in progress May 2026. Phase 1 Design is anticipated to be submitted for permit application in July 2026, which incorporates the new survey, drone aerials, and survey data to support the filter marsh design.

Caloosahatchee River and Estuary Storage and Treatment (CREST): LA-MSID purchased approximately 105 acres for the CREST preserve and stormwater treatment area. The LA-MSID Board authorized the design of this project in November 2019. AIM staff had a meeting with LA-MSID staff in April 2020 to review concepts for developing final plans. The design elements include an interconnecting channel between Dog Canal and Hendry Canal to balance flows between the Bedman Creek and Carlos Waterway Drainage Basins. A retention reservoir also provides year-round treatment of suspended solids through increased flow way resident time and storage to attenuate peak stages during storm events. Additionally, wetland plantings provide water quality treatment through nutrient uptake within the circuitous wetland flow pathway.

Due to grant funding, the design plans and construction activities required a phased approach. AIM developed the scope of work for design phasing, post-design, and construction phase services and provided it to LA-MSID staff for review, which partially addressed the required Caracara monitoring. The LA-MSID Board approved a contract with AIM for this effort on 6/21/2021.

CREST Phase 1
Phase 1 of the CREST project is complete, which includes maintenance dredging of the Dog to Hendry canal and replacement and relocation of weir S-H-2.

CREST Phase 2
LA-MSID received a $2 million grant award to complete Phase 2. Bids for Phase 2 construction were received on December 15, 2022. The groundbreaking ceremony was held on February 15, 2023. Turnbull Environmental completed CREST Phase 2 construction in February 2024.

CREST Phase 3
LA-MSID received an additional $4.06 million in grant funds to allow for the construction of the full build-out of the CREST project (Phase 3). AIM worked to complete the additional design and permitting tasks required to revise the plans and permitting approach to include the full project build-out. AIM's Environmental Scientist coordinated with USFWS to clarify construction restrictions related to the Caracara nesting site. The design team completed the 100% plan set for Phase 3, and the SFWMD permit was issued on May 22, 2023. Phase 3 bids were received

on April 18, 2024, with Turnbull Environmental awarded the project at the April 2024 LAMSID board meeting.

The Notice to Proceed with construction was given on May 1, 2024. Phase 3 is due to be substantially completed by August 31, 2025, and finally completed by September 30, 2025. The SFWMD permit modification was submitted on 9/18/2024 to allow for the excavation of the Caracara nest buffer area. On August 20, 2025, LA-MSID received permit approval to excavate the previously protected Caracara nesting site and 300' buffer zone. A time-extension change order was approved to allow the contractor additional time to excavate the Caracara buffer area for additional stormwater storage within CREST. As part of approved change order 01, the contractor will plant at a higher density of plants and trees for Phase 3 while remaining within the awarded grant funding amount. Project/grant funds will also be utilized to repave portions of the roadway surrounding the CREST project that were disturbed by the construction and truck hauling process.

The pump installation is complete, paid for through grant funds, that will allow additional stormwater volume from Dog Canal to be pumped into the CREST project during severe storm events.

The contractor is currently working on punch-list items related to the Substantial Completion walkthrough that occurred on June 1, 2026. The project is anticipated to be completed in July 2026, with a ribbon-cutting ceremony scheduled for the cooler fall months.

Rehydration of Bedman (Creek) Utilizing Storage & Treatment (ROBUST)
LA-MSID gained legislative funds to purchase and improve two parcels within Lehigh Acres: A Sinkhole Parcel (34-44-27-00-00001.0140) and the ROBUST Parcels (36-43-27-01-00000.A000 & 36-43-27-00-00004.0020). AIM conducted Phase I Environmental Reports for the Sinkhole and Robust parcels. The purpose of these assessments was to characterize the environmental conditions based on readily available information & site observations and to identify recognized environmental conditions. To assist with water quality grant funding applications, AIM prepared a conceptual ROBUST nutrient removal analysis.

ROBUST Phase 1
Grant funding for Phase 1 was achieved to purchase the triangular parcel (36-43-27-01-00000.A000), which is a 15-acre site envisioned to provide additional stormwater storage volume, flood mitigation, and water quality benefits to the Bedman Creek Drainage Basin.

ROBUST Phase 2
LA-MSID also received grant funding for Phase 2 of the ROBUST project, which includes the design and construction of the triangular stormwater storage and water quality facility to store flows from Dog Canal, as well as an emergency overflow connection to the Carlow Waterway during extreme storm events. With the grant agreement finalized, LAMSID approved a design scope of services during the January board meeting. The Notice to Proceed is March 10, 2025. The design team and LA-MSID conducted a kick-off meeting to strategize a project approach that best suits LA-MSID.

ROBUST Phase 3
Subsequently, a $1.705M grant was awarded for the ROBUST Phase 3 project, which expands the stormwater storage capacity and bypass benefits by utilizing the floodplain within Bedman Creek (storage) and adding a water control structure with berming to better direct flows from Bedman Creek to the Carlos Waterway (bypass). A grant amendment to the ROBUST project

combines the phases into a single ROBUST project. LAMSID approved a scope of work that includes the additional design, bidding, and construction-phase services related to the now combined Phase 2 & 3 ROBUST project in the form of a change order to Robust Phase 2.

ROBUST Phase 4
Another $1.6M grant was awarded for ROBUST Phase 4, which will allow for the design and construction of a more sophisticated structure for the Bedman to Carlos bypass that includes electrically actuated gates. LA-MSID staff are working to formalize the grant agreement with FDEP and will likely complete another amendment to have Phase 4 funds combined with a singular ROBUST project.

ROBUST (Combined project into a single phase)
AIM's environmental team has completed the environmental survey required for the permit application. Survey data collection is completed. Modeling efforts are nearing completion, although a new S-CW-6 structure is currently being evaluated. The ROBUST design will incorporate the S-CW-6 modeling findings.

The modeling report was completed in March 2026. ROBUST Design is ongoing, with permit application still on track for submittal in August 2026.

Bottomless Lake (Sinkhole Parcel)
AIM provided LAMSID staff with a conceptual scope, fee, and construction cost to be utilized toward the grant application submittal. AIM completed a high-level Due Diligence report for the parcel to identify current and/or needed permits and buffering requirements. LAMSID gained a Limited Development Order (LDO) permit to construct security fencing along the parcel's frontage adjacent to the roadway.

LA-MSID was awarded $2.2M for the Sinkhole project to move forward. AIM will work with LA-MSID staff on a Grant Work Plan and provide a scope of services for authorization so that the project's design can commence as soon as the grant agreement is finalized. A workshop was held on September 30 with LA-MSID board members and the public.

An architectural review (including their mechanical, electrical, plumbing, and general contractor team members) was conducted on October 2nd to review the building conditions and advise on expected renovation costs.

AIM trail route concepts were developed and reviewed by the LA-MSID board at the January board meeting. The planning team is exploring a turnkey new building solution, such as Romtec, which could provide a cost-effective new construction alternative to an existing building retrofit.

Clarification has been obtained that the grant agreement likely does not require modification, as construction of a new cultural facility building is within the intent of the current grant agreement. AIM and LA-MSID provided a narrative and exhibits of the new building site to allow FDEP to provide a letter of agreement stating that constructing a new cultural facility is acceptable within the intent of the current grant agreement. AIM staff are working to itemize the site improvement cost to provide clarity on anticipated remaining grant funds that can be utilized for the construction of the new cultural facility building.

The grant funding appropriation seems to have passed voting and was not vetoed by the governor, so funding for the sinkhole project may be secured.

Alico Road Extension Analysis for Sunshine Boulevard
LAMSID was contacted by the Lee County Department of Transportation (Lee DOT) to determine water management requirements for a proposed new road connecting Alico Road to SR 80. The proposed road will connect to Sunshine Blvd at its junction with SR 82. The interchange with SR 82 will be enhanced to facilitate improved flow patterns, and the impervious area of that interchange will be significantly greater than the existing interchange. Sunshine Boulevard will be widened up to and through the junction with Able Canal north of Lee Blvd. The widened road will generate additional runoff, which will need to be managed so that peak water elevations do not increase in Able Canal as it passes under Sunshine Blvd. During a meeting on July 27, 2024, with Lee County DOT and Johnson Engineering, Inc., it was explained that the section of the Sunshine Blvd widening between SR 82 and 23rd Street SW is on a critical path schedule.

During said meeting, Water Science Associates (WSA) was requested to provide an accelerated analysis of the impact of the road widening on water levels and flows in Sailfish Canal, as well as impacts on canal water levels at the junction of Sailfish Canal and Able Canal. A more comprehensive analysis of the impacts of the proposed roadway changes is being negotiated between LA-MSID and Lee County DOT. WSA & AIM completed a draft report of the findings and provided draft recommendations for LAMSID staff and the board to consider to mitigate impacts to the LAMSID drainage system.

A follow-up meeting was conducted in September 2025 to further discuss the ROW capacity topic. The roadway improvements require LC to acquire canal ROW from LAMSID. AIM and WSA worked with LC DOT and Johnson Engineering to agree upon the volume of lost stormwater storage impact to mitigate due to LAMSID's lost canal ROW. A monthly meeting has been established between the stakeholders to keep coordination efforts moving forward. However, the October meeting was postponed to a date to be determined due to Hurricane Milton. During the November meeting, WSA, AIM, and LAMSID staff worked to clarify the acceptable lower and upper limits to calculate the lost ROW storage volume. However, LCDOT expressed a desire to develop an agreement for the entire stretch of the project from SR 82 to SR 80. LAMSID staff met with key LCDOT staff to discuss large-scale improvements that work for both LAMSID and LCDOT in February 2025.

LA-MSID and LCDOT are currently working on finalizing an agreement and means of fund transfer to allow initial modeling and other projects to commence, which will include required timelines for the projects to be completed that correspond to the given roadway phases. Funding for the District-wide modeling effort was on the Lee County Commissioner Board Meeting agenda for January 2026.

Funding for the District-wide modeling effort has been approved, and APEX (formerly known as WSA) has started modeling. Potential conflicts of interest between internal APEX companies have been resolved. Lee County also selected an engineering firm to design and construction of three weirs within Spratt, Moonfish, and Trout Canals, as well as the replacement of S-SF-1 (AIM was considered a conflict of interest).

APEX/WSA anticipates having the existing model simulations calibrated mid-July to be able to start running proposed condition simulations.

Centennial Flood Mitigation
LA-MSID coordinated with Lee County and SFWMD regarding the recent road flooding in the Centennial area south of Buckingham Road during the wet season 2024. The land elevation

falls to the northwest, whereas the LA-MSID canals direct flow to the southeast. Therefore, flood mitigation concept projects were developed during the Southern Lee County Flood Mitigation Plan, including a stormwater storage area and a new outfall route to the north of Buckham Road. Initial coordination with Lee County has resulted in LA-MISD learning that the project(s) are low on the County's flood mitigation prioritization list. However, this project is now being considered as one of the projects to analyze further in correlation with the Lee County Sunshine Widening project.

LA-MSID CIP Grant Appropriation Request for Weir Replacement & Retrofitting
AIM prepared cost estimates for the water control structures S-O-1, S-BP-1, S-BL-2, S-R-1, and S-SF-3 to be presented for a grant funding appropriation request for the next legislative session, which were considered at the October LA-MSID board meeting.

S-BP-1 involves full replacement, S-O-1 is being replaced and relocated, whereas S-R-2 and S-SF-3 are slated for modernization upgrades, including electric actuation and remote-control integration. S-BL-2 has been observed to float/tilt, so this structure's improvement includes repairs and modifications to mitigate the potential for floating/tilting, allowing the gates to be safely operated again.

LA-MSID's requested grant appropriations seem to have passed and were not vetoed by the governor, so these weir replacement projects are likely now funded though grant funds.

If you have any questions or inquiries, please call my cell at (239) 823-8171.

Sincerely,
AIM Engineering & Surveying, Inc.
Daniel Schroeder, PE, MSE, PMP
Vice President & Civil Group Manager

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

MANAGER'S REPORT

July 20, 2026

NEW BUSINESS

OLD BUSINESS

- **Interpretive Center –** FDEP has responded to Robert Williams of LLW with positive results. It appears that the interpretive center that we want to build fits the existing language in the closing covenants of what's acceptable on the 19-acre sinkhole property. After receiving LA-MSID's presentation, FDEP is requesting specific language from the bill sponsors. Lewis, Longman and Walker is working on this.

  The next step will be to draft and execute the FDEP Grant agreement for the project.

- **Frank Mann Preserve-Greenbriar Connector Parcels**– Staff has bid, won and purchased tax certificates for five larger parcels that lie between and enroute from Frank Mann Preserve to Greenbriar Swamp. Our long-term goal is to call them to sale and purchase them. The parcels either contain District facilities or are deep storage areas that we can use, or both. We should be able to call them to sale after April 1, 2027.

- **Buckingham Trails Preserve Reservoir Project –** Since the rainfall event in June 2024, the possibility of this project has gained steam. It was discussed at the Lee County/SFWMD meeting and was discussed at the Lehigh Watershed Initiative meeting in July '24. I will be discussing this with LDOT, in relation to the Sunshine widening. We waiting for the County's first draft of a comprehensive agreement The latest discussions have centered on adding this project to CDBG federal funding.

- **CREST –** Phase II is complete**.** The third phase – construction has begun on May 6th, 2024. We are signing the substantial completion letter soon. Final completion should be in one or two months. We can expect that we will have a ribbon cutting in the summer or fall of '26.

- **2025 Culvert Replacement** – Staff has completed the sixth culvert crossing for 2026.

- **Parking at West Marsh** – Lee County does have a construction schedule for the West Marsh. Design and permitting has $262,500 allotted in 2024-25 and construction has been allotted $1,750,000 in 2025-26. The design of the project has been made public.

- **ROBUST -** With the award of 2025 $1.6-million appropriation, the project now is funded at a total of $4.805-million. The project is in early design. This project will need a federal permit.

- **Alico Connector Road and Sunshine Widening–** Lee County is currently drawing up plans to connect Alico Road to Sunshine Blvd. In order to complete this project, they have to determine

what they are going to do with in additional stormwater that the project generates. Lee County also wants to widen Sunshine to the north and ultimately connect it to State Road 80. They will need up to 50-acres of District land to accomplish these tasks. LA-MSID is performing a modelling study with Lee County's $250,000, to clarify stormwater discharge issues from the project. The additional run-off is approximately 12 acre-feet, we will lose 304 acre-feet of storage due to the loss of land to the project and also the lost amount of storage, based on the Lee County road land acquisition of LA-MSID canal right of way on Sailfish Canal. Staff has submitted a LA-MSID needs assessment to the County in February.

The County and LA-MSID have tentatively on our modelling, build three new structures in the southwest, rebuild structure S-SF-1 and add on to Structure S-P-2. The schedule to begin construction on Phase III Sunshine widening from SR 82 to 23rd St is set for 2029. Mike Cook has been selected to be a non-voting member on the design engineering selection committees for the three new LA-MSID weirs and the rebuild of our Sailfish 1 structure. We are to meet with County attorneys on May 21, 2026, to finalize the agreement for the Commissions to consider.

- **Potential Lawsuits –**A June 2023 accident at Able Canal and Magnolia St. has been presented. I am not aware of any currently active lawsuits.

- **District Manager Enters Drop –** As of November 1st 2019, I officially entered into the drop program. The Legislature and the Governor have passed a law that will allow all participants to add 3 full years to their DROP for a total of eight. I have a new contract that will give me the opportunity to continue my employment up to October 31, 2027.

- **GS-10, Frank Mann Preserve** –The MOU with Lee County is fully executed. It explains the separation of duties between the two agencies LA-MSID must complete the Land Management Plan before we can move on to design. Our commissioners approved the Land Management Plan on January 25th, 2021. AIM Engineering has started the final design of the project as of September 1st, 2021. Our staff is mobilized and are doing a fantastic clearing job in GS 10. In 2024, Governor DeSantis awarded LA-MSID a $15.5 million grant, thanks to recommendations from Lee County and SFWMD. The grant will be administered through SFWMD. We are currently developing a contract that will govern how the money will be spent. The permits should be applied for within a few months. The final documents with SFWMD for funding have been signed, as of July 31, 2025, let's get to work! The additional design for Phase I is under way. This project will not need a Federal permit, which will help move this project more quickly. It appears that there will be some non-consequential changes in our agreement with SFWMD.

- **Greenway Agreement –**The agreement has been signed by all parties. The project is currently under design with Lee County Parks. We have sent staff and AIM design comments to the County. They are at 90% design as of May 2022. Construction is slated to start in FY 25-26. The construction contract was signed in June 2025. Construction has begun.

- **Contract Renewals –** Renewal dates for the Board's consultants:

  AIM Engineering – March 1st of each year

  Hultman and Joshi Law Firm – February 24th of each year.

  David E. Lindsay – October 31, 2027

Lewis, Longman & Walker – Potential Increase in December

COMMUNITY OUTREACH

Community Outreach Education LA-MSID is continually researching community outreach, NPDES and other relevant grants that could benefit the District. The administration staff continues to build relationships with other governmental, media and community groups in order to enhance LA-MSID's image and raise awareness.

The District has been getting great media coverage this year. Staff is continually working with staff to identify newsworthy items and has secured great coverage.

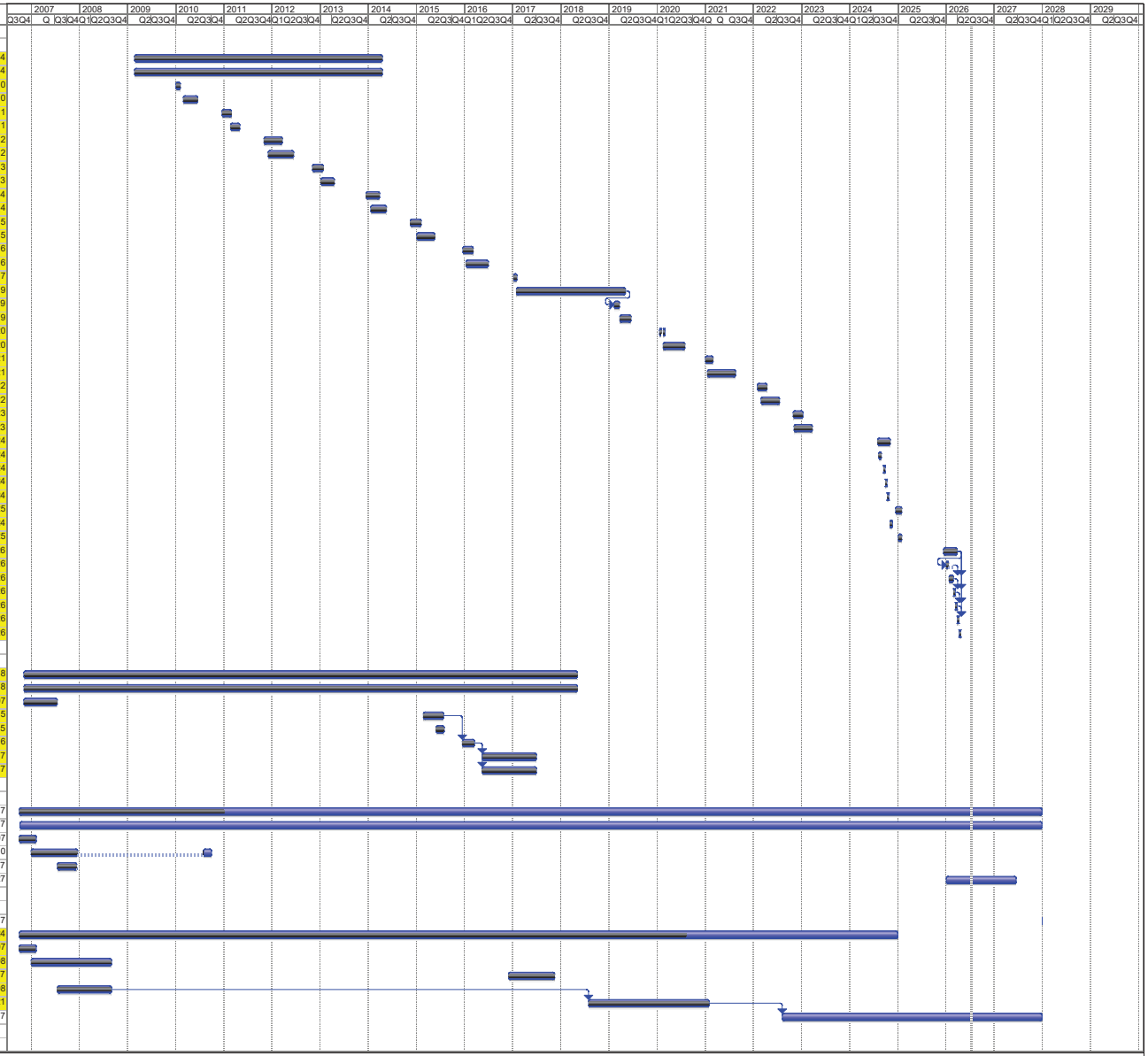
- Staff is reviewing policies to stay on top of our goals and keep the public up to date on our projects.
- We are continuing with our consistent social media posts. Staff has implemented a LA-MSID In Action & Water Quality Wednesday series of social media posts to showcase the work the District does. It has received great feedback and increased community involvement. Our reach has increased 200% in the last month.
- Staff participated in the fire department's Community Safety & Fire Prevention Day on 10/18.
- The Wings Over Water Festival was 1/24! We have a fantastic setup of vendors for every area including our farmer's market, which has really grown this year.
- Staff participated in the Swamp Cabbage Festival parade on 2/21. We were well received and past attendees requested the District to return again this year.
- Staff executed Harns Marsh birding tour on 11/1 and 3/7. The tours were full and very well received by members of the community and the Audubon of the Western Everglades.

EMPLOYEES

- **Employee of the Month for July '26 is**

- **Upcoming Events:**

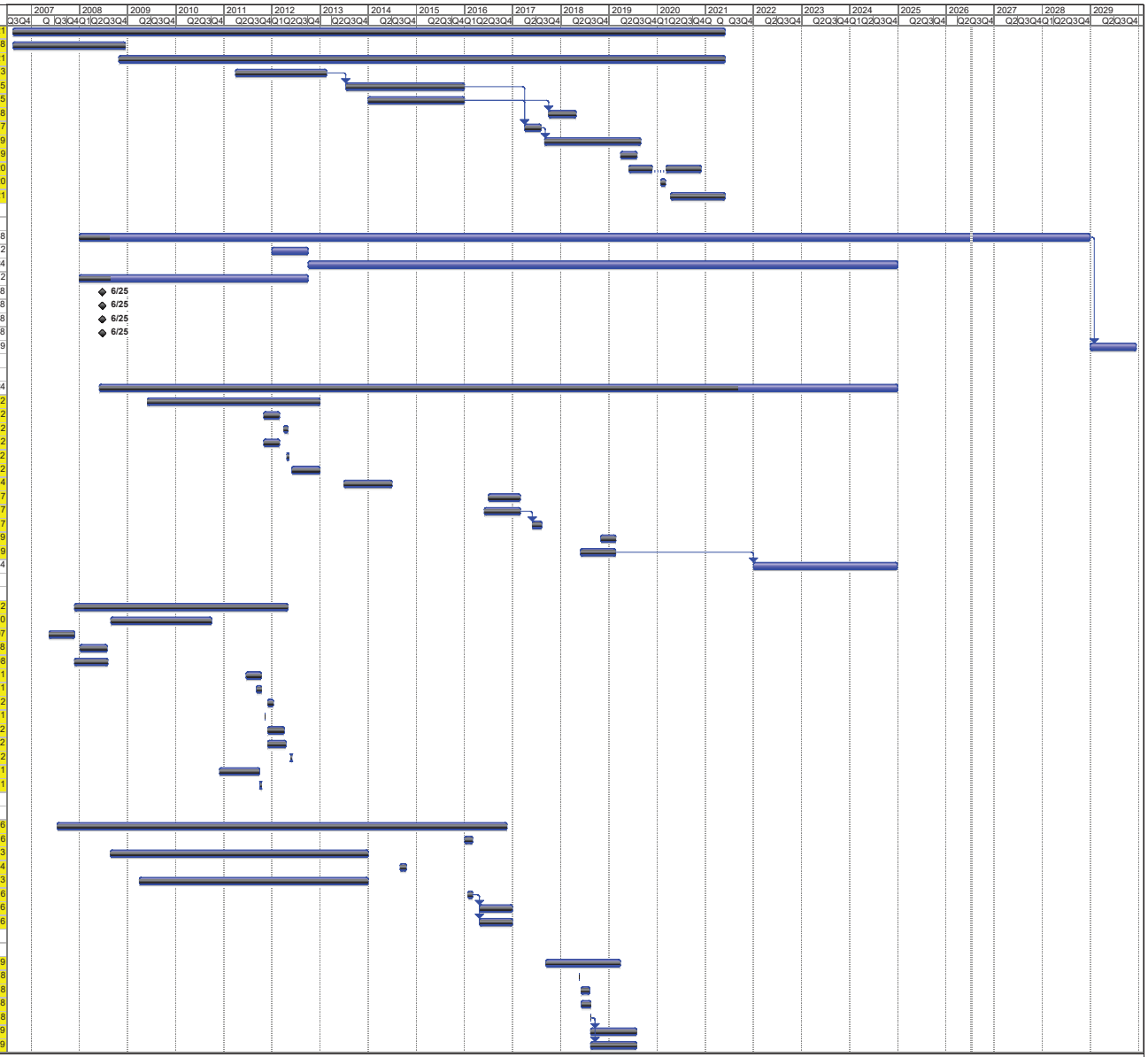
ID	ID	ID	Priori	Task Name	Duration	Start	Finish
1	1	1					
2	2	2					
3	3	3	0	2007 Facility Review Critical Culverts (25 Culverts)	1345 days?	Tue 2/24/09	Fri 4/18/14
4	4	4	29	Funding (25 Culverts)	1348 days?	Tue 2/24/09	Fri 4/18/14
5	5	5	30	Design (5 Culverts In-House - 2010)	25 days	Mon 1/4/10	Fri 2/5/10
6	6	6	31	Construction (5 Culverts In-House - 2010)	79 days	Mon 3/1/10	Thu 6/17/10
7	7	7	32	Design (5 Culverts In-House - 2011)	51 days?	Mon 12/20/10	Mon 2/28/11
8	8	8	33	Construction (5 Culverts In-House 2011)	50 days	Tue 2/22/11	Mon 5/2/11
9	9	9	34	Design (5 Culverts In-House 2012)	100 days	Thu 11/3/11	Tue 3/20/12
10	10	10	35	Construction (5 Culverts In-House 2012)	139 days	Mon 12/5/11	Thu 6/14/12
11	11	11	36	Design (5 Culverts In-House 2013)	60 days	Mon 11/5/12	Thu 1/24/13
12	12	12	37	Construction (5 Culverts In-House 2013)	75 days	Mon 1/7/13	Fri 4/19/13
13	13	13	38	Design (6 Culverts In-House 2014)	75 days	Mon 12/16/13	Fri 3/28/14
14	14	14	39	Construction (6 Culverts In-House 2014)	85 days	Tue 1/21/14	Mon 5/19/14
15	15	15	40	Design (4 Culverts In-House 2015)	60 days	Mon 11/17/14	Fri 2/6/15
16	16	16	41	Construction (4 Culverts In-House 2015)	99 days	Mon 1/5/15	Thu 5/21/15
17	17	17	42	Design (5 Culverts In-House 2016)	56 days?	Mon 12/21/15	Mon 3/7/16
18	18	18	43	Construction (5 Culverts In-House 2016)	122 days	Wed 1/13/16	Thu 6/30/16
19	19	19	100	Design (5 Culverts In-House 2017)	19 days?	Mon 1/9/17	Thu 2/2/17
20	20	20	101	Construcion (5 Culverts In-House 2017)	591 days?	Mon 1/30/17	Mon 5/6/19
21	21	21	200	Design (6 Culverts In-House 2019)	30 days?	Mon 2/11/19	Fri 3/22/19
22	22	22	201	Construction (6 Culverts In-House 2019)	60 days	Tue 3/26/19	Mon 6/17/19
23	23	23	202	Design (6 Culverts In-House 2020)	21 days	Tue 1/21/20	Mon 3/2/20
24	24	24	203	Construcion (6 Culverts In-House 2020)	118 days	Tue 2/18/20	Thu 7/30/20
25	25	25	500	Design (6 Culverts In-House 2021)	41 days?	Mon 1/4/21	Mon 3/1/21
26	26	26	500	Construcion (6 Culverts In-House 2021)	153 days?	Tue 1/19/21	Thu 8/19/21
27	27	27	500	Design (5 Culverts In-House 2022)	53 days	Tue 2/1/22	Thu 4/14/22
28	28	28	500	Construction (5 Culverts In-House 2022)	100 days	Tue 3/1/22	Mon 7/18/22
29	29	29	500	Design (1 Culverts In-House 2023)	54 days?	Mon 10/31/22	Thu 1/12/23
30	30	30	500	Construction (1 Culverts In-House 2023)	100 days	Mon 11/7/22	Fri 3/24/23
31	31	31	500	Design (4 Culverts In-House 2024)	68 days	Thu 8/1/24	Mon 11/4/24
32	32	32	500	Construction (59th St. W. Culvert In-House 2024)	15 days?	Fri 8/9/24	Thu 8/29/24
33	33	33	500	Construction (51st St. W. Culvert In-House 2024)	9 days?	Mon 9/16/24	Thu 9/26/24
34	34	34	500	Construction (Centennial Blvd. @ Champion Canal In-House 2024)	9 days?	Mon 9/30/24	Thu 10/10/24
35	35	35	500	Construction (Billings St. Outfall @ Adaline Canal In-House 2024)	8 days?	Tue 10/15/24	Thu 10/24/24
36	36	36	500	Design (2 Culverts In House 2025)	34 days	Mon 12/16/24	Thu 1/30/25
37	37	37	500	Construction (Ridgemont Drive @ Webworm Canal)	14 days?	Mon 11/4/24	Thu 11/21/24
38	38	38	500	Construction (Magenta Ave @ Longwing Canal (47-4-2)	19 days?	Mon 1/6/25	Thu 1/30/25
39	39	39	500	Design (5 Culverts In-House 2026)	75 days	Mon 12/15/25	Fri 3/27/26
40	40	40	500	Construction (Culvert #1) Greenbriar Blvd. (W. of Richmond Ave.)	12.35 days	Mon 1/5/26	Thu 2/26/26
41	41	41	500	Construction (Culvert #2) Roderick Ln. (N. of Windermere Dr)	24 days	Mon 1/26/26	Thu 2/26/26
42	42	42	500	Construction (Culvert #3) Butler St. E. (E. of McArthur)	9 days	Mon 3/2/26	Thu 3/12/26
43	43	43	500	Construction (Culvert #4) Butler St. E. (W. of McArthur)	9 days?	Mon 3/16/26	Thu 3/26/26
44	44	44	500	Construction (Culvert #5) Butler Ave. S. (N. of Grant)	9 days	Mon 3/30/26	Thu 4/9/26
45	45	45	500	Cinstruction (Culvert #6) Bonefish Canal (57-5-3) 11 Homestead Rd S.	9 days?	Mon 4/13/26	Thu 4/23/26
46	46	46					
47	47	47					
48	48	48	0	SW Lehigh New Structures (SW Structures)	3001 days	Tue 11/7/06	Mon 5/7/18
49	49	49	46	Funding (SW Structures)	3001 days	Thu 11/9/06	Mon 5/7/18
50	50	50	47	Pre Engineering (SW Structures)	181 days?	Tue 11/7/06	Tue 7/17/07
51	51	51	48	Revise Design (SW Structures)	110 days	Tue 2/24/15	Mon 7/27/15
52	52	52	49	Revise SFWMD Permit (SW Structures)	45 days	Mon 6/1/15	Fri 7/31/15
53	53	53	50	Bidding (SW Structures)	66 days	Thu 12/17/15	Thu 3/17/16
54	54	54	51	Electric (SW Structures)	295 days	Mon 5/16/16	Fri 6/30/17
55	55	55	51	Construction (SW Structures)	295 days	Mon 5/16/16	Fri 6/30/17
56	56	56					
57	57	57					
58	58	58	0	Hickey's Creek Canal Widening (H.C. Widening)	5544 days?	Wed 10/4/06	Fri 12/31/27
59	59	59	55	Funding (H.C. Widening)	5544 days?	Mon 10/9/06	Fri 12/31/27
60	60	60	56	Pre Engineering (H.C. Widening)	93 days?	Wed 10/4/06	Fri 2/9/07
61	61	61	57	Design (H.C. Widening)	297 days?	Tue 1/2/07	Thu 9/30/10
62	62	62	58	Permit (H.C. Widening)	104 days	Fri 7/20/07	Wed 12/19/07
63	63	63	59	Construction (H.C. Widening)	380 days	Mon 1/5/26	Fri 6/18/27
64	64	64					
65	65	65					
66	66	66	0	Hendry Extension Canal Widening (H. Ext. Widening Phase I & II)	1 day?	Fri 12/31/27	Fri 12/31/27
67	67	67	62	Funding (H. Ext. Widening - Phase I)	4764 days?	Wed 10/4/06	Tue 12/31/24
68	68	68	63	Pre Engineering (H. Ext. Widening - Phase I & II)	93 days?	Wed 10/4/06	Fri 2/9/07
69	69	69	64	Design (H. Ext. Widening - Phase I & II)	435 days?	Tue 1/2/07	Mon 9/1/08
70	70	70	65	Revised Design to FDOT Standard - Phase I	250 days	Thu 12/1/16	Wed 11/15/17
71	71	71	66	Permit (H. Ext. Widening Phase I & II)	292 days?	Fri 7/20/07	Mon 9/1/08
72	72	72	67	Construction (H. Ext. Widening - Phase I)	653 days	Wed 8/1/18	Fri 1/29/21
73	73	73	500	Construction (Phase II) North of Milwaukee Blvd.	1409 days	Tue 8/9/22	Fri 12/31/27
74	74	74					
75	75	75					



Project: Construction Project Schedule
Date: Wed 7/8/26

Task | Split | Progress | Milestone | Summary | Project Summary | External Tasks | External Milestone | Deadline

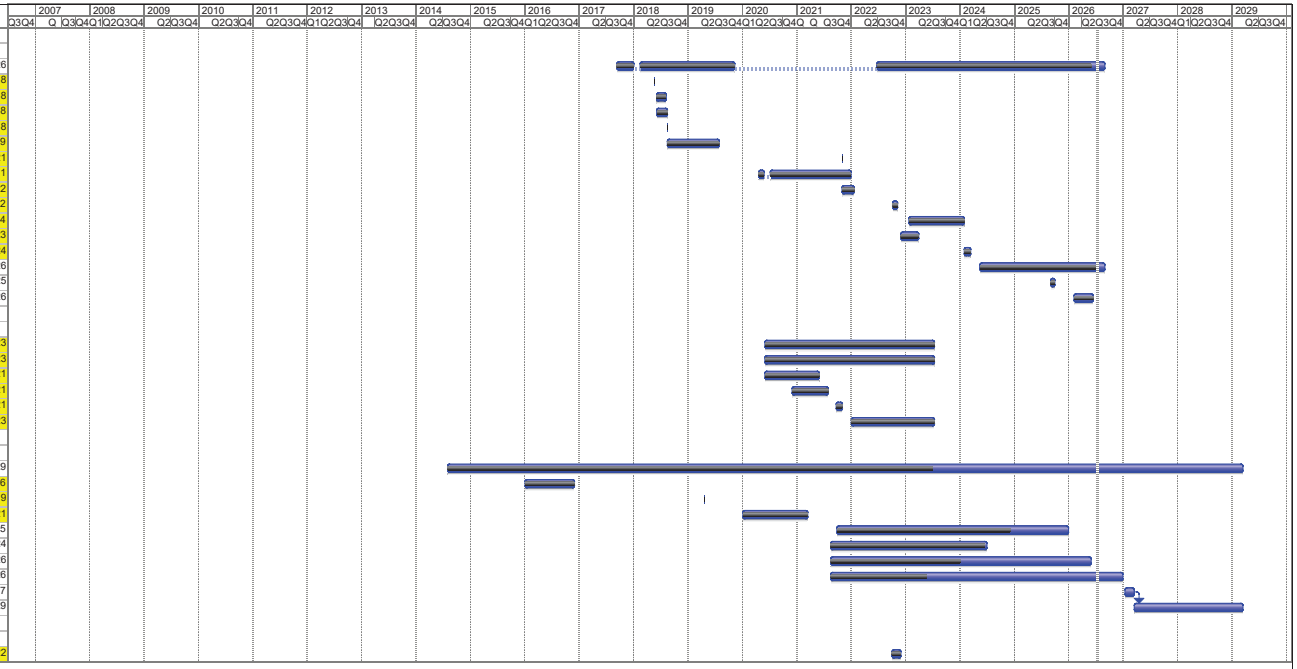
ID	ID	ID	Priori	Task Name	Duration	Start	Finish
76	76	76	0	West Marsh (W. Marsh) Phase I, II, & III	3859 days?	Thu 8/17/06	Mon 5/31/21
77	77	77	70	Land Purchase (W. Marsh)	609 days	Thu 8/17/06	Mon 12/15/08
78	78	78	71	Funding (W. Marsh)	3287 days	Mon 10/27/08	Mon 5/31/21
79	79	79	72	Pre Engineering (W. Marsh Land Stewardship Plan)	496 days	Fri 4/1/11	Tue 2/19/13
80	80	80	73	Design (W. Marsh)	643 days	Tue 7/16/13	Thu 12/31/15
81	81	81	74	Permit (W. Marsh)	522 days	Wed 1/1/14	Thu 12/31/15
82	82	82	79	Electric (W. Marsh)	150 days	Mon 10/2/17	Fri 4/27/18
83	83	83	77	Bidding (W. Marsh Phase I) FDOT Seg. #1	90 days	Mon 4/3/17	Fri 8/4/17
84	84	84	79	Construction (W. Marsh Phase I) FDOT Seg. #1	521 days	Fri 9/1/17	Fri 8/30/19
85	85	85	82	Bidding (W. Marsh Phase II) FDOT Seg. #2	90 days	Mon 4/1/19	Fri 8/2/19
86	86	86	83	Construction (W. Marsh Phase II) FDOT Seg. #2	317 days	Mon 6/3/19	Tue 12/1/20
87	87	87	82	Bidding (W. Marsh Phase III) LA-MSID Structures	26 days	Thu 1/30/20	Thu 3/5/20
88	88	88	85	Construction (W. Marsh Phase III) LA-MSID Structures	294 days	Wed 4/15/20	Mon 5/31/21
89	89	89					
90	90	90					
91	91	91	0	Hendry Storage Reservoir (H.S. Reservoir)	5479 days?	Tue 1/1/08	Fri 12/29/28
92	92	92	80	Land Purchase (H.S. Reservoir)	197 days?	Mon 1/2/12	Tue 10/2/12
93	93	93	81	Funding (H.S. Reservoir)	3196 days?	Wed 10/3/12	Tue 12/31/24
94	94	94	82	Pre Engineering (H.S. Reservoir)	1241 days	Tue 1/1/08	Tue 10/2/12
95	95	95	83	Design (H.S. Reservoir)	0 days	Wed 6/25/08	Wed 6/25/08
96	96	96	84	Permit (H.S. Reservoir)	0 days	Wed 6/25/08	Wed 6/25/08
97	97	97	87	Electric (H.S. Reservoir)	0 days	Wed 6/25/08	Wed 6/25/08
98	98	98	85	Bidding (H.S. Reservoir)	0 days	Wed 6/25/08	Wed 6/25/08
99	99	99	87	Constriction (H.S. Reservoir)	250 days	Mon 1/1/29	Fri 12/14/29
100	100	100					
101	101	101					
102	102	102	0	Moving Water South (M. Water S.) Phase I, II, & III	4328 days	Mon 6/2/08	Tue 12/31/24
103	103	103	90	Funding (Halfway Pond Phase I)	940 days	Mon 6/1/09	Mon 12/31/12
104	104	104	91	Pre Engineering (Halfway Pond Phase I)	87 days	Tue 11/1/11	Tue 2/28/12
105	105	105	92	Design (Halfway Pond Phase I)	22 days?	Mon 4/2/12	Tue 5/1/12
106	106	106	93	Permit (Halfway Pond Phase I)	87 days?	Tue 11/1/11	Tue 2/28/12
107	107	107	94	Bidding (Halfway Pond Phase I)	11 days?	Wed 4/25/12	Wed 5/9/12
108	108	108	95	Construction (Halfway Pond Phase I)	153 days	Fri 6/1/12	Mon 12/31/12
109	109	109	96	Pre Engineering (Phase II) "Blackstone Preserve"	261 days	Mon 7/1/13	Mon 6/30/14
110	110	110	96	Design (Halfway Pond Phase II) "Blackstone Prserve"	173 days	Fri 7/1/16	Tue 2/28/17
111	111	111	98	Permit (Halfway Pond Phase II) "Blackstone Preserve"	195 days	Wed 6/1/16	Tue 2/28/17
112	112	112	99	Bidding (Halfway Pond Phase II) "Blackstone Preserve"	52 days	Wed 5/31/17	Thu 8/10/17
113	113	113	500	Construction of Pump Station - (JP Murphy Inc.) Phase II	82 days?	Thu 11/1/18	Fri 2/22/19
114	114	114	100	Construction of Berm - (LA-MSID) Phase II	191 days	Thu 5/31/18	Thu 2/21/19
115	115	115	500	Pre Engineering (Phase III) S. of the District	780 days?	Mon 1/3/22	Fri 12/27/24
116	116	116					
117	117	117					
118	118	118	0	New District Headquarters (H.Q.)	1157 days?	Tue 11/27/07	Tue 5/1/12
119	119	119	110	Funding (H.Q.)	548 days	Thu 8/28/08	Fri 10/1/10
120	120	120	111	Pre Engineering Site (H.Q.)	139 days?	Thu 5/17/07	Tue 11/27/07
121	121	121	112	Rezoning Site (H.Q.)	148 days?	Mon 1/7/08	Wed 7/30/08
122	122	122	113	Design Site (H.Q.)	180 days?	Tue 11/27/07	Mon 8/4/08
123	123	123	114	Design Building (Office Bldg.)	85 days	Mon 6/20/11	Thu 10/13/11
124	124	124	115	Permit Phase II Site (Office Bldg.)	30 days	Tue 9/6/11	Fri 10/14/11
125	125	125	116	Permit Building (Office Bldg.)	30 days	Thu 12/1/11	Thu 1/12/12
126	126	126	117	Establish Phase II Project GMP (Office Bldg.)	1 day?	Mon 11/14/11	Mon 11/14/11
127	127	127	118	Phase II Electric Service (Office Bldg.)	90 days	Thu 12/1/11	Wed 4/4/12
128	128	128	118	Phase II Construction (Office Bldg.)	100 days	Thu 12/1/11	Wed 4/18/12
129	129	129	120	Phase II Office Building Move-In (Office Bldg.)	6 days	Thu 5/24/12	Thu 5/31/12
130	130	130	114	Maintenance Bldg. Construction (Maint. Bldg.)	218 days	Wed 12/1/10	Fri 9/30/11
131	131	131	122	Maintenance Building Move-In (Maint. Bldg.)	10 days	Mon 10/3/11	Fri 10/14/11
132	132	132					
133	133	133					
134	134	134	0	Homestead Road Widening Weir (S-57-4-6)	2440 days?	Tue 7/17/07	Fri 11/18/16
135	135	135	125	Funding (Weir) 100% Lee Co. DOT	44 days	Mon 1/4/16	Thu 3/3/16
136	136	136	126	Pre Engineering (Weir)	1401 days?	Mon 8/25/08	Tue 12/31/13
137	137	137	127	Revise Design (H.D.R. Plans)	35 days	Mon 9/1/14	Fri 10/17/14
138	138	138	128	Permit (H.D.R. Plans)	1244 days?	Wed 4/1/09	Tue 12/31/13
139	139	139	129	Bidding (Weir)	26 days	Thu 1/28/16	Thu 3/3/16
140	140	140	130	Electric (Weir)	180 days	Mon 4/25/16	Fri 12/30/16
141	141	141	130	Construction (Weir 57-4-6)	180 days	Mon 4/25/16	Fri 12/30/16
142	142	142					
143	143	143					
144	144	144	500	Hendry 2 Weir Replacement (S-H-2) Hurricane Irma Damage	405 days?	Mon 9/11/17	Fri 3/29/19
145	145	145	134	Funding (90% NRCS) (10% LA-MSID)	1 day?	Tue 5/22/18	Tue 5/22/18
146	146	146	135	Design (AIM Engineering)	48 days?	Tue 6/5/18	Thu 8/9/18
147	147	147	136	Permit (SFWMD)	54 days?	Tue 6/5/18	Fri 8/17/18
148	148	148	137	Bidding (Emergency Declaration)	1 day?	Thu 8/16/18	Thu 8/16/18
149	149	149	137	Electric Service (Weir)	250 days?	Thu 8/16/18	Wed 7/31/19
150	150	150	137	Constrcution (J.P. Murphy, Inc.)	250 days	Thu 8/16/18	Wed 7/31/19



Project: Construction Project Schedule
Date: Wed 7/8/26

Task | Split | Progress | Milestone | Summary | Project Summary | External Tasks | External Milestone | Deadline

ID	ID	ID	Priori	Task Name	Duration	Start	Finish
151	151	151					
152	152	152					
153	153	153	500	CREST Storage (Dog/Hendry Connection)	1632 days?	Mon 9/11/17	Tue 9/1/26
154	154	154	500	Funding (Phase I Construction) S-H-2 Weir	1 day?	Tue 5/22/18	Tue 5/22/18
155	155	155	500	Design (Phase I)	48 days?	Tue 6/5/18	Thu 8/9/18
156	156	156	500	Permit (Phase I) SFWMD	54 days?	Tue 6/5/18	Fri 8/17/18
157	157	157	500	Bidding (Phase I)	1 day?	Thu 8/16/18	Thu 8/16/18
158	158	158	500	Construction (Phase I) S-H-2 Weir	250 days?	Thu 8/16/18	Wed 7/31/19
159	159	159	500	Funding (Phase II Construction) Structures/Filter Marsh	1 day	Mon 11/1/21	Mon 11/1/21
160	160	160	500	Design (Phase II)	415 days?	Tue 4/21/20	Fri 12/31/21
161	161	161	500	Permit (Phase II) SFWMD	60 days	Mon 11/1/21	Fri 1/21/22
162	162	162	500	Bidding (Phase II)	25 days	Thu 10/6/22	Wed 11/9/22
163	163	163	500	Construction (Phase II) Structures/Filter Marsh	267 days	Tue 1/24/23	Wed 1/31/24
164	164	164	500	Permit (Phase III) SFWMD	87 days?	Thu 12/1/22	Fri 3/31/23
165	165	165	160	Bidding (Phase III)	32 days	Wed 1/31/24	Thu 3/14/24
166	166	166	161	Construction (Phase III - Lake Excavation)	600 days	Wed 5/15/24	Tue 9/1/26
167	167	167	500	Plantings (South Storage Cell)	21 days	Tue 9/2/25	Tue 9/30/25
168	168	168	500	Plantings (North Storage Cell)	92 days	Fri 2/6/26	Mon 6/15/26
169	169	169					
170	170	170					
171	171	171	500	S-VL-1 Weir Replacement	815 days?	Mon 6/1/20	Sat 7/15/23
172	172	172	500	Funding	815 days?	Mon 6/1/20	Sat 7/15/23
173	173	173	500	Design	262 days?	Mon 6/1/20	Tue 6/1/21
174	174	174	500	Permit (SFWMD)	174 days	Tue 12/1/20	Sat 7/31/21
175	175	175	500	Bidding	31 days	Thu 9/23/21	Thu 11/4/21
176	176	176	500	Construction	400 days	Mon 1/3/22	Sat 7/15/23
177	177	177					
178	178	178					
179	179	179	500	Frank Mann Preserve "GS-10"	3816 days?	Fri 8/1/14	Fri 3/16/29
180	180	180	500	Concept Plan	238 days?	Mon 1/4/16	Wed 11/30/16
181	181	181	500	Land Purchase	1 day?	Thu 4/25/19	Thu 4/25/19
182	182	182	500	Land Stewardship Plan	312 days?	Mon 1/6/20	Tue 3/16/21
183	183	183	500	Start Exotic Vegetation Removal	1113 days?	Mon 9/27/21	Wed 12/31/25
184	184	184	500	60% Design Plans	750 days?	Tue 8/17/21	Mon 7/1/24
185	185	185	500	100% Design Plans	1250 days	Tue 8/17/21	Mon 6/1/26
186	186	186	500	Permitting (SFWMD)	1403 days	Tue 8/17/21	Thu 12/31/26
187	187	187	500	Bidding (Phase I)	45 days	Thu 1/14/27	Wed 3/17/27
188	188	188	500	Construction (Phase I)	522 days	Thu 3/18/27	Fri 3/16/29
189	189	189					
190	190	190					
191	191	191	500	South Marsh Berm Repairs (Hurricane Ian)	44 days	Mon 10/3/22	Thu 12/1/22



Project: Construction Project Schedule
Date: Wed 7/8/26

Task | Split | Progress | Milestone | Summary | Project Summary | External Tasks | External Milestone | Deadline

Lehigh Acres - Municipal Services Improvement District
Capital Improvement Tracking Report

Discussion | Pre Design | Design | Permitting | Construction Funding | Construction | Close Out | No Proj. - Tracking Only

FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | FY 2025 | FY 2026 (Oct–Sep monthly columns)

Line #	Proj#	Project Description	Engineer	Contractor	Total Estimated Construction Costs	Total Construction Contract Cost (includes change orders)	Total Spent to Date (Engineering / Construction)	Comments
		Active Projects						
2	4030	C.R.E.S.T.	AIM	*Turnbull Environmental*	$ 3,715,593.97	$ -	$ 4,855,958.70	Phase II FDEP Grant for $2 Mil. Turnbull Environmental was low bidder at $1,929,500. Phase II Construction Started Feb. 2023 & is 100% complete. Received SFWMD Phase III Permit. Phase III Grant $4,060,000. Phase III construction started 5/6/24 (99% complete). Pump delivered to site. Piping hooked up to canal.
30	4067	GS-10	AIM	TBD	$ 15,000,000.00		$ 859,148.25	AIM finished study, staff completed 20/20 app for land purchase - MOU approved by each Board. Lee Co. Closed on property. Land Stewardship Plan is done. AIM finishing up Phase I Design. LAMSID working on clearing exotic vegetation.
	4071	Sinkhole	AIM	TBD	$ 3,700,000.00		$ 1,611,087.96	Sinkhole land was purchased. Fencing along Joel Blvd, along condos and along car wash has been completed. AIM & Architect working on cost estimates for building purchase and renovations.
	4072	Robust	AIM	TBD	$ 4,805,000.00		$ 609,157.53	AIM is working on survey and Roger Copp is working on modeling.
	5043	Greenbriar Blvd @ Swallowtail Canal (47-5-5)	LA-MSID	LA-MSID	$ 70,000.00		$ 95,435.95	LAMSID Crews started 1-5-26 (Greebriar Blvd. W. of Richmond) 100%
	5044	Roderick Ln @ Swallowtail Canal (47-5-5)	LA-MSID	LA-MSID	$ 25,000.00		$ 27,035.48	LAMSID Crews started 1-26-26 (Roderick Ln) 100%
	5045	Butler St. E. (RC 11-4527-2)	LA-MSID	LA-MSID	$ 25,000.00		$ 25,852.60	LAMSID Crews started 2-26-26 (Butler St. E.) E. of McArthur Blvd.
	5046	Butler St. E. (RC 11-4527-1)	LA-MSID	LA-MSID	$ 25,000.00		$ 21,685.54	LAMSID Crews started 3-16-26 (Butler St. E.) W. of McArthur Blvd.
	5047	Butler Ave. S	LA-MSID	LA-MSID	$ 25,000.00		$ 15,556.05	LAMSID Crews started 3-30-26 (Butler Ave. S.) N. of Grant Blvd.
	5048	11 Homestead Rd. S. (Behind F.S.) @ Bonefish Canal (57-5-3)	LA-MSID	LA-MSID	$ 10,000.00		$ 6,527.97	LAMSID Crews started 4-13-26 (Behind FS & Kiwanis) Mower Access Crossing
		Projects Waiting for Funding						
7	4012	Hendry Storage	*TBD*	*TBD*	$ -	$ -	$ -	CREST Project may eliminate the need for this project.
		Projects Waiting for Other Reasons						
15	4038	Sailfish Canal Greenway	Lee Co	*TBD*	$ -	$ -	$ -	Waiting on Lee Co. Sunshine Blvd. Widening Project
16	4040	Hickey's Creek Widening	AIM/Lee Co.	*TBD*	$ -	$ -	$ 83,775.50	Waiting on Lee Co. Sunshine Blvd. Widening Project
		Completed Projects FY 2016 through FY 2025						
30	4069	Panther Canal	ADA	LA-MSID			$ -	LA-MSID crews widened ditch into a canal & Modeling is complete.
	4026	SR 82 Widening Segments 3 & 4	FDOT	FDOT			$ -	Sacyr Construction started on SR 82 in July 2018 and they started widening Hendry Canal in September 2018. Hendry Canal Widening done. Clean up 100% (1-14-21).
13a	4028	Halfway Pond/Moving Water South - Phase 2	Tetra Tech	JP Murphy	$ 1,034,600.00	$ 1,034,600.00	$ 1,026,693.66	LCEC extended power to site - Start Up completed. Pump is operational.
21	4065	Southwest Lehigh Build Several Structures	RHT	Coastal Concrete	$ 3,113,538.13	$ -	$ 3,408,992.28	Coastal Concrete Products, LLC $3,128,000.00.
14	4036	Homestead Widening: Replacing S-57-4-6	HDR /Lee Co	JP Murphy	$ 400,000.00	$ -	$ 352,124.06	100% Completed
	4039	S-VL-1	AIM	QE	$ 639,014.75	$ 621,359.00	$ 669,584.73	SFWMD Permit was issued August 20th, 2021 - Bid Opening was November 4th, 2021 Contract was awarded to QE for $621,359.00 QE finishing up punch list items. Weir is fully operational. Concrete touch-up repairs completed. Completed close-out paperwork & final payment
17	4055	Hendry Extension Widening	T.Y. Lin	SACYR	TBD	$ -	$ 481,378.71	TY Lin finished updating plans for FDOT project. Sacyr hauling dirt for roadway 300-350 trucks per day. Canal widening is done. Sod finished. Project 100%.
20	4061	West Marsh Improvements	AIM	AJAX	$ 1,000,000.00	$ -	$ 870,037.07	AJAX paved roads and started hauling dirt in Nov. 2017. All Phase I is 100%. Starting on Phase II dirt hauling June 2019. Phase II is 100% complete. AJAX completed as-builts.
20	4062	West Marsh Phase III	AIM	QE	$ 3,000,000.00	$ -	$ 2,333,655.00	Phase III Awarded to QE and they started July 2020. Phase III is 100% complete. All 5 structures are built and gates installed. The bridge is finished, fencing complete and plantings are finished. Programming and final paper work are complete..
27	5001	Culvert Replacement - Empire @ Cocoplum	ECWCD	ECWCD			$ 24,835.83	#27 Empire Ave at 100%
26	5002	Culvert Replacement - HarrisonDr @ Spur C	ECWCD	ECWCD			$ 25,663.28	#28 Harrison Ave at 100%
28	5003	Culvert Replacement - McArthur Blvd @ Item	ECWCD	ECWCD			$ 26,888.69	#29 McArthur Ave at 100%
29	5004	Culvert Replacement - Parkdale @ Bullfrog	ECWCD	ECWCD			$ 91,817.77	#30 Parkdale Blvd. at 100%
30	5005	Culvert Replacement - Champion Ave @ Beauty Canal	LA-MSID	LA-MSID			$ 65,803.50	Champion Ave. Culvert Replacement Finished.
31	5006	Culvert Replacement - Martin Ave. @ Hammerhead Canal	LA-MSID	LA-MSID			$ 14,737.75	Martin Ave. Culvert Replacement Finished
32	5007	Culvert Replacement - Aletha Ave. S. @ Royal Canal	LA-MSID	LA-MSID			$ 21,706.49	Aletha Ave. S. Culvert Replacement Finished
33	5008	Culvert Replacement - Plumosa Ave. @ Blue Marl Canal	LA-MSID	LA-MSID			$ 12,570.71	Plumosa Ave. Culvert Replacement Finished
34	5009	Culvert Replacement - Lakeridge Drive @ Greenbriar Swamp	LA-MSID	LA-MSID			$ 29,289.08	Lakeridge Culvert Replacement Finished
35	5010	Culvert Replacement - W Hook Canal @ S Boundary Canal	LA-MSID	LA-MSID			$ 19,075.67	100% Completed
36	5011	Culvert Replacement - Richmond Ave. @ Perimeter Canal	LA-MSID	LA-MSID			$ 52,541.64	100% Completed
37	5012	Culvert Replacement - Richmond Ave. @ Amberwood Canal	LA-MSID	LA-MSID			$ 28,053.33	100% Completed
38	5013	Culvert Replacement - Anaconda Ave. S. @ Scrub Oak Canal	LA-MSID	LA-MSID			$ 27,341.20	100% Completed
39	5014	Culvert Replacement - Jauguar Blvd at Bald Eagle Canal	LA-MSID	LA-MSID	$ 25,000.00		$ 24,559.72	Jaguar Blvd Culvert Started 4-15-19 and Finished 5-2-19
	5015	Culvert Replacement - Ashley Road at Limpkin Canal	LA-MSID	LA-MSID	$ 20,000.00		$ 18,052.24	Ashley Road Culvert Started 3-26-19 and Finished 4-11-19
	5016	Culvert Replacement - Hull Ave. S. at Vulture Canal	LA-MSID	LA-MSID	$ 20,000.00		$ 15,019.40	Hull Ave. S. Culvert Started 5-7-19 and Finished 5-20-19
	5017	Culvert Replacement - McArthur Blvd. at Wagtail Canal	LA-MSID	LA-MSID	$ 20,000.00		$ 16,092.54	McArthur Blvd Culvert Started 5-21-19 and Finished 6-6-19
	5018	Culvert Replacement - Casey St. at Gannet Canal	LA-MSID	LA-MSID	$ 20,000.00		$ 17,592.21	Casey St. Culvert Starting 6-11-19 and Finished 6-27-19
	5019	Culvert Replacement - 48th Street SW	LA-MSID	LA-MSID	$ 25,000.00		$ 28,079.10	Finished construction on March 5th, 2020
	5020	Culvert Replacement - 49th Street SW	LA-MSID	LA-MSID	$ 25,000.00		$ 16,275.29	Started construction on March 6th, 2020
	5021	Culvert Replacement - 28th Street SW	LA-MSID	LA-MSID	$ 25,000.00		$ 19,072.22	Started construction on June 15th, 2020
	5022	Culvert Replacement - 59th Street W	LA-MSID	LA-MSID	$ 25,000.00		$ 14,092.36	Started construction on May 26th, 2020
	5023	Culvert Replacement - Long Avenue S	LA-MSID	LA-MSID	$ 25,000.00		$ 16,984.21	Finished construction on July 29th, 2020
	5024	Culvert Replacement - Richmond Ave. N. at Longwing Canal	LA-MSID	LA-MSID	$ 17,500.00		$ 18,773.14	Richmond Ave. N. Culvert Starting 8-28-19 and Finished 9-18-19
19	4060	Phase 2. Replace S-OR-1, S-OR SE, New Emergency Spillway	TT	WORTH	$ 1,550,020.00	$ 1,550,000.00	$ 1,423,304.00	S-OR-1 & S-OR-1-SE are 100% complete.
	4037	Culvert Replacement - 25th St. W. (S-R-1 Structure)	LA-MSID	LA-MSID	$ 75,000.00		$ 125,051.49	100% - Completed in-house with 2020 culverts.
	5025	Culvert Replacement - Bell Blvd	LA-MSID	LA-MSID	$ 35,000.00		$ 74,794.69	100% - Finished construction on February 10th, 2021.
	5026	Culvert Replacement - 40th Street SW	LA-MSID	LA-MSID	$ 25,000.00		$ 23,559.95	100% - Finished construction on March 4th, 2021.
	5027	Culvert Replacement - Golfview Blvd	LA-MSID	LA-MSID	$ 25,000.00		$ 25,427.66	100% - Finished construction on March 23rd, 2021.
	5028	Culvert Replacement - Douglas Lane	LA-MSID	LA-MSID	$ 35,000.00		$ 34,903.58	100% - Started construction March 30th, 2021.
	5029	Culvert Replacement - 51st Street West	LA-MSID	LA-MSID	$ 25,000.00		$ 20,733.71	Started design April 1st, 2021. Starting construction 5/11/21. Finished construction 5/27/21.
	5030	Culvert Replacement - Acacia Ave	LA-MSID	LA-MSID	$ 50,000.00		$ 78,726.42	Starting design May 10th, 2021. Construction is 100% done.
	5031	(Weir) Alabama Rd @ Panther Canal	LA-MSID	LA-MSID	$ 40,000.00		$ 27,749.42	Riser pipes damaged by a car wreck. New riser heads were installed and concrete poured around it. Construction is 100% complete.
	5032	(Weir) Bedman Creek @ Hendry Canal	LA-MSID	LA-MSID	$ 40,000.00		$ 24,575.94	Riser pipe was rusted out. New pipe and riser head installed. Construction is 100% complete.
	5033	Richmond @ 8th St. (S-G-1 Structure)	LA-MSID	LA-MSID	$ 40,000.00		$ 6,904.24	Remaining parts of rusted gate removed and a new gate was installed. Construction is 100% complete.
	5034	Beauty Canal (46-21-1) W. Side of Gunnery Rd.	LA-MSID	LA-MSID	$ 40,000.00		$ 4,108.56	Old pipe was removed and replaced with new pipe and rip-rap. Construction is 100% complete.
	5035	Ringneck Canal @ Airview Ave.	LA-MSID	LA-MSID	$ 40,000.00		$ 423.40	Rusted out riser head was plugged with large sand bags to test elevations for 1 year. Construction is 100% complete.
	5036	Culvert Replacement - 59th St. W. @ Remora Canal	LA-MSID	LA-MSID	$ 40,000.00		$ 40,770.05	59th St. W. In-House culvert replacement was started on August 9th and Completed on August 27th, 2024.
	5037	Culvert Replacement - 51st St. W. @ Runner Canal	LA-MSID	LA-MSID	$ 40,000.00		$ 14,688.73	51st St. W. In-House culvert replacement was started on September 16th, 2024 and Completed on September 26th, 2024.
	5038	Culvert Replacement - Centenial Outfall @ Champion	LA-MSID	LA-MSID	$ 40,000.00		$ 8,922.87	Culvert Replacement - Centenial Outfall @ Champion Completed October 10th, 2024
	5039	Culvert Replacement - Billings St. Outflall	LA-MSID	LA-MSID	$ 40,000.00		$ 5,567.45	Culvert Replacement - Billings St. Outflall Completed October 24th, 2024
	5040	Culvert Replacement - Ridgemont Drive @ Webworm Canal	LA-MSID	LA-MSID	$ 40,000.00		$ 31,668.77	Culvert Replacement - Ridgemont Drive @ Webworm Canal started on November 4th & finished on November 21st, 2024
	5041	Culvert- Replacement - Moore Ave	LA-MSID	LA-MSID	$ 40,000.00		$ 40,765.09	Construction started after South Marsh Hurricane Ian repairs were completed. Construction is 100% complete. County repaved crossing.
	5042	Culvert Replacement - Magenta Ave. @ Longwing Canal	LA-MSID	LA-MSID	$ 40,000.00		$ 48,021.99	Culvert Replacement - Magenta Ave. @ Longwing Canal - Completed January 30th, 2025
	6002	Buckingham Park - NRCS (Slope Repair)	AIM	LA-MSID	$ 788,601.00	$ 788,601.00	$ 470,731.78	LA-MSID crews started placing Flexamat slope stabilization product in Septemebr. LAMSID finished project and closing out with NRCS for payment.
	6003	Buckingham Park - NRCS (Debris)	AIM	LA-MSID	$ 17,394.30	$ 17,394.30	$ 14,955.08	LA-MSID crews finished debris removal and clean-up in September.
	6004	S-H-2 - NRCS (Rebuild Weir)	AIM	JP Murphy	$ 809,485.00	$ 809,485.00	$ 824,457.16	Steel sheet piling has been delivered and installed. Concrete cap and conc. slope paving poured, rip-rap placed. Gates installed, catwalk completed, slopes restored and sod placed. Weir is finished and power hooked up by FP&L power.

Change from last report

Funded by:
- South Florida Water Management
- Not yet determined
- Multiple Org/Indiv
- Florida Dept of Environmental Protection
- Lehigh Acres Municipal Services Improvement District

Lehigh Acres - Municipal Services Improvement District
Capital Improvement Tracking Report

Discussion | Pre Design | Design | Permitting | Construction Funding | Construction | Close Out | No Proj. - Tracking Only

FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | FY 2025 | FY 2026

Line #	Proj#	Project Description	Engineer	Contractor	Total Estimated Construction Costs	Total Construction Contract Cost (includes change orders)	Total Spent to Date (Engineering / Construction)	Comments
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	5044	Roderick Ln @ Swallowtail Canal (47-5-5)	LA-MSID	LA-MSID	$ 25,000.00		$ 27,035.48	LAMSID Crews started 1-26-26 (Roderick Ln) 100%
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	5046	Butler St. E. (RC 11-4527-1)	LA-MSID	LA-MSID	$ 25,000.00		$ 21,685.54	LAMSID Crews started 3-16-26 (Butler St. E.) W. of McArthur Blvd.
	5047	Butler Ave. S	LA-MSID	LA-MSID	$ 25,000.00		$ 15,556.05	LAMSID Crews started 3-30-26 (Butler Ave. S.) N. of Grant Blvd.
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		Projects Waiting for Funding						
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		Projects Waiting for Other Reasons						
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27	5001	Culvert Replacement - Empire @ Cocoplum	ECWCD	ECWCD			$ 24,835.83	#27 Empire Ave at 100%
26	5002	Culvert Replacement - HarrisonDr @ Spur C	ECWCD	ECWCD			$ 25,663.28	#28 Harrison Ave at 100%
28	5003	Culvert Replacement - McArthur Blvd @ Item	ECWCD	ECWCD			$ 26,888.69	#29 McArthur Ave at 100%
29	5004	Culvert Replacement - Parkdale @ Bullfrog	ECWCD	ECWCD			$ 91,817.77	#30 Parkdale Blvd. at 100%
30	5005	Culvert Replacement - Champion Ave @ Beauty Canal	LA-MSID	LA-MSID			$ 65,803.50	Champion Ave. Culvert Replacement Finished.
31	5006	Culvert Replacement - Martin Ave. @ Hammerhead Canal	LA-MSID	LA-MSID			$ 14,737.75	Martin Ave. Culvert Replacement Finished
32	5007	Culvert Replacement - Aletha Ave. S. @ Royal Canal	LA-MSID	LA-MSID			$ 21,706.49	Aletha Ave. S. Culvert Replacement Finished
33	5008	Culvert Replacement - Plumosa Ave. @ Blue Marl Canal	LA-MSID	LA-MSID			$ 12,570.71	Plumosa Ave. Culvert Replacement Finished
34	5009	Culvert Replacement - Lakeridge Drive @ Greenbriar Swamp	LA-MSID	LA-MSID			$ 29,289.08	Lakeridge Culvert Replacement Finished
35	5010	Culvert Replacement - W Hook Canal @ S Boundary Canal	LA-MSID	LA-MSID			$ 19,075.67	100% Completed
36	5011	Culvert Replacement - Richmond Ave. @ Perimeter Canal	LA-MSID	LA-MSID			$ 52,541.64	100% Completed
37	5012	Culvert Replacement - Richmond Ave. @ Amberwood Canal	LA-MSID	LA-MSID			$ 28,053.33	100% Completed
38	5013	Culvert Replacement - Anaconda Ave. S. @ Scrub Oak Canal	LA-MSID	LA-MSID			$ 27,341.20	100% Completed
39	5014	Culvert Replacement - Jauguar Blvd at Bald Eagle Canal	LA-MSID	LA-MSID	$ 25,000.00		$ 24,559.72	Jaguar Blvd Culvert Started 4-15-19 and Finished 5-2-19
	5015	Culvert Replacement - Ashley Road at Limpkin Canal	LA-MSID	LA-MSID	$ 20,000.00		$ 18,052.24	Ashley Road Culvert Started 3-26-19 and Finished 4-11-19
	5016	Culvert Replacement - Hull Ave. S. at Vulture Canal	LA-MSID	LA-MSID	$ 20,000.00		$ 15,019.40	Hull Ave. S. Culvert Started 5-7-19 and Finished 5-20-19
	5017	Culvert Replacement - McArthur Blvd. at Wagtail Canal	LA-MSID	LA-MSID	$ 20,000.00		$ 16,092.54	McArthur Blvd Culvert Started 5-21-19 and Finished 6-6-19
	5018	Culvert Replacement - Casey St. at Gannet Canal	LA-MSID	LA-MSID	$ 20,000.00		$ 17,592.21	Casey St. Culvert Starting 6-11-19 and Finished 6-27-19
	5019	Culvert Replacement - 48th Street SW	LA-MSID	LA-MSID	$ 25,000.00		$ 28,079.10	Finished construction on March 5th, 2020
	5020	Culvert Replacement - 49th Street SW	LA-MSID	LA-MSID	$ 25,000.00		$ 16,275.29	Started construction on March 6th, 2020
	5021	Culvert Replacement - 28th Street SW	LA-MSID	LA-MSID	$ 25,000.00		$ 19,072.22	Started construction on June 15th, 2020
	5022	Culvert Replacement - 59th Street W	LA-MSID	LA-MSID	$ 25,000.00		$ 14,092.36	Started construction on May 26th, 2020
	5023	Culvert Replacement - Long Avenue S	LA-MSID	LA-MSID	$ 25,000.00		$ 16,984.21	Finished construction on July 29th, 2020
	5024	Culvert Replacement - Richmond Ave. N. at Longwing Canal	LA-MSID	LA-MSID	$ 17,500.00		$ 18,773.14	Richmond Ave. N. Culvert Starting 8-28-19 and Finished 9-18-19
19	4060	Phase 2. Replace S-OR-1, S-OR SE, New Emergency Spillway	TT	WORTH	$ 1,550,020.00	$ 1,550,000.00	$ 1,423,304.00	S-OR-1 & S-OR-1-SE are 100% complete.
	4037	Culvert Replacement - 25th St. W. (S-R-1 Structure)	LA-MSID	LA-MSID	$ 75,000.00		$ 125,051.49	100% - Completed in-house with 2020 culverts.
	5025	Culvert Replacement - Bell Blvd	LA-MSID	LA-MSID	$ 35,000.00		$ 74,794.69	100% - Finished construction on February 10th, 2021.
	5026	Culvert Replacement - 40th Street SW	LA-MSID	LA-MSID	$ 25,000.00		$ 23,559.95	100% - Finished construction on March 4th, 2021.
	5027	Culvert Replacement - Golfview Blvd	LA-MSID	LA-MSID	$ 25,000.00		$ 25,427.66	100% - Finished construction on March 23rd, 2021.
	5028	Culvert Replacement - Douglas Lane	LA-MSID	LA-MSID	$ 35,000.00		$ 34,903.58	100% - Started construction March 30th, 2021.
	5029	Culvert Replacement - 51st Street West	LA-MSID	LA-MSID	$ 25,000.00		$ 20,733.71	Started design April 1st, 2021. Starting construction 5/11/21. Finished construction 5/27/21.
	5030	Culvert Replacement - Acacia Ave	LA-MSID	LA-MSID	$ 50,000.00		$ 78,726.42	Starting design May 10th, 2021. Construction is 100% done.
	5031	(Weir) Alabama Rd @ Panther Canal	LA-MSID	LA-MSID	$ 40,000.00		$ 27,749.42	Riser pipes damaged by a car wreck. New riser heads were installed and concrete poured around it. Construction is 100% complete.
	5032	(Weir) Bedman Creek @ Hendry Canal	LA-MSID	LA-MSID	$ 40,000.00		$ 24,575.94	Riser pipe was rusted out. New pipe and riser head installed. Construction is 100% complete.
	5033	Richmond @ 8th St. (S-G-1 Structure)	LA-MSID	LA-MSID	$ 40,000.00		$ 6,904.24	Remaining parts of rusted gate removed and a new gate was installed. Construction is 100% complete.
	5034	Beauty Canal (46-21-1) W. Side of Gunnery Rd.	LA-MSID	LA-MSID	$ 40,000.00		$ 4,108.56	Old pipe was removed and replaced with new pipe and rip-rap. Construction is 100% complete.
	5035	Ringneck Canal @ Airview Ave.	LA-MSID	LA-MSID	$ 40,000.00		$ 423.40	Rusted out riser head was plugged with large sand bags to test elevations for 1 year. Construction is 100% complete.
	5036	Culvert Replacement - 59th St. W. @ Remora Canal	LA-MSID	LA-MSID	$ 40,000.00		$ 40,770.05	59th St. W. In-House culvert replacement was started on August 9th and Completed on August 27th, 2024.
	5037	Culvert Replacement - 51st St. W. @ Runner Canal	LA-MSID	LA-MSID	$ 40,000.00		$ 14,688.73	51st St. W. In-House culvert replacement was started on September 16th, 2024 and Completed on September 26th, 2024.
	5038	Culvert Replacement - Centenial Outfall @ Champion	LA-MSID	LA-MSID	$ 40,000.00		$ 8,922.87	Culvert Replacement - Centenial Outfall @ Champion Completed October 10th, 2024
	5039	Culvert Replacement - Billings St. Outflall	LA-MSID	LA-MSID	$ 40,000.00		$ 5,567.45	Culvert Replacement - Billings St. Outfllall Completed October 24th, 2024
	5040	Culvert Replacement - Ridgemont Drive @ Webworm Canal	LA-MSID	LA-MSID	$ 40,000.00		$ 31,668.77	Culvert Replacement - Ridgemont Drive @ Webworm Canal started on November 4th & finished on November 21st, 2024
	5041	Culvert- Replacement - Moore Ave	LA-MSID	LA-MSID	$ 40,000.00		$ 40,765.09	Construction started after South Marsh Hurricane Ian repairs were completed. Construction is 100% complete. County repaved crossing.
	5042	Culvert Replacement - Magenta Ave. @ Longwing Canal	LA-MSID	LA-MSID	$ 40,000.00		$ 48,021.99	Culvert Replacement - Magenta Ave. @ Longwing Canal - Completed January 30th, 2025
	6002	Buckingham Park - NRCS (Slope Repair)	AIM	LA-MSID	$ 788,601.00	$ 788,601.00	$ 470,731.78	LA-MSID crews started placing Flexamat slope stabilization product in Septemebr. LAMSID finished project and closing out with NRCS for payment.
	6003	Buckingham Park - NRCS (Debris)	AIM	LA-MSID	$ 17,394.30	$ 17,394.30	$ 14,955.08	LA-MSID crews finished debris removal and clean-up in September.
	6004	S-H-2 - NRCS (Rebuild Weir)	AIM	JP Murphy	$ 809,485.00	$ 809,485.00	$ 824,457.16	Steel sheet piling has been delivered and installed. Concrete cap and conc. slope paving poured, rip-rap placed. Gates installed, catwalk completed, slopes restored and sod placed. Weir is finished and power hooked up by FP&L power.

Change from last report

Funded by:
- South Florida Water Management
- Not yet determined
- Multiple Org/Indiv
- Florida Dept of Environmental Protection
- Lehigh Acres Municipal Services Improvement District

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT
COMBINED BALANCE SHEET
MAY 31, 2026 (UN-AUDITED)

			Capital Project Funds			
	General	Debt Service	Capital Projects	Capital Equipment	Bridge Renewal Replacement	Total
ASSETS						
Cash and Cash Equivalents	$ 4,630,978.02	$ 1,003,607.35	$ 0.00	$ 0.00	$ 0.00	$ 5,634,585.37
Due from Other Governments	38,027.91	0.00	114,222.50	0.00	0.00	152,250.41
Due from Other Funds	372,458.09	0.00	3.00	344,907.07	0.00	717,368.16
Accounts Receivable, net	664,348.21	0.00	0.00	0.00	0.00	664,348.21
Prepaid Items	15,385.13	0.00	0.00	0.00	0.00	15,385.13
Deposits	1,851.00	0.00	0.00	0.00	0.00	1,851.00
Restricted Investments	3,493,442.10	0.00	768,881.24	149,108.16	1,398,810.60	5,810,242.10
Total Assets	$ 9,216,490.46	$ 1,003,607.35	$ 883,106.74	$ 494,015.23	$ 1,398,810.60	$ 12,996,030.38
LIABILITIES, DEFERRED INFLOWS & FUND BALANCE						
LIABILITIES						
Accounts Payable	184,968.50	0.00	48,289.75	0.00	0.00	233,258.25
Retainage Payable	0.00	0.00	83,839.11	0.00	0.00	83,839.11
Due to Other Funds	0.00	0.00	703,126.68	0.00	14,241.48	717,368.16
Deposits	9,922.71	0.00	0.00	72,678.15	0.00	82,600.86
Accrued Liabilities	3.48	0.00	0.00	0.00	0.00	3.48
Total Liabilities	194,894.69	0.00	835,255.54	72,678.15	14,241.48	1,117,069.86
DEFERRED INFLOWS						
Unavailable Revenue - Grants	644,087.45	0.00	114,222.50	0.00	0.00	758,309.95
Total Deferred Inflows	644,087.45	0.00	114,222.50	0.00	0.00	758,309.95
FUND BALANCE						
Fund Balance - Beginning	5,848,585.77	856,684.17	274,356.73	(81,137.22)	1,352,801.16	8,251,290.61
Change in Fund Balance	2,528,922.55	146,923.18	(340,728.03)	502,474.30	31,767.96	2,869,359.96
Total Fund Balance	8,377,508.32	1,003,607.35	(66,371.30)	421,337.08	1,384,569.12	11,120,650.57
Total Liabilities, Deferred Inflows & Fund Balance	$ 9,216,490.46	$ 1,003,607.35	$ 883,106.74	$ 494,015.23	$ 1,398,810.60	$ 12,996,030.38

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT
COMBINED STATEMENT OF REVENUES, EXPENDITURES AND CHANGES IN FUND BALANCE
MAY 31, 2026 (UN-AUDITED)
YEAR-TO-DATE

			CAPITAL PROJECT FUNDS			
	General	Debt Service	Capital Projects	Capital Equipment	Bridge Renewal Replacement	Total
REVENUES						
Tax Assessments	$ 7,272,963.26	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 7,272,963.26
Tax Assessments - PY/Penalties/Interest	0.00	0.00	0.00	8,604.33	0.00	8,604.33
Tax Assessments - Discounts	(225,099.19)	0.00	0.00	0.00	0.00	(225,099.19)
Permit Fees	0.00	0.00	0.00	775,218.85	0.00	775,218.85
Intergovernmental - Grants	0.00	0.00	990,790.22	0.00	0.00	990,790.22
Miscellaneous Revenue	142,901.49	0.00	123,790.39	0.00	0.00	266,691.88
Interest Income	134,654.25	13,940.91	19,502.87	3,782.12	35,481.18	207,361.33
Total Revenues	$ 7,325,419.81	$ 13,940.91	$ 1,134,083.48	$ 787,605.30	$ 35,481.18	$ 9,296,530.68
EXPENDITURES						
Current						
Physical Environment						
Administration						
Personal Services	1,009,364.10	0.00	0.00	0.00	0.00	1,009,364.10
Operating Expenses	673,979.45	0.00	0.00	0.00	0.00	673,979.45
Total Administration	1,683,343.55	0.00	0.00	0.00	0.00	1,683,343.55
Field Operations						
Personal Services	1,920,846.15	0.00	0.00	0.00	0.00	1,920,846.15
Operating Expenses	537,503.02	0.00	0.00	0.00	3,713.22	541,216.24
Total Field Operations	2,458,349.17	0.00	0.00	0.00	3,713.22	2,462,062.39
Capital Outlay	0.00	0.00	1,474,811.51	356,781.00	0.00	1,831,592.51
Debt Service						
Principal	0.00	491,884.45	0.00	0.00	0.00	491,884.45
Interest	0.00	29,937.82	0.00	0.00	0.00	29,937.82
Total Debt Service	0.00	521,822.27	0.00	0.00	0.00	521,822.27
Total Expenditures	$ 4,141,692.72	$ 521,822.27	$ 1,474,811.51	$ 356,781.00	$ 3,713.22	$ 6,498,820.72
Excess of Revenues over (under) expenditures	$ 3,183,727.09	$ (507,881.36)	$ (340,728.03)	$ 430,824.30	$ 31,767.96	$ 2,797,709.96
OTHER FINANCING SOURCES (USES)						
Transfers In	0.00	654,804.54	0.00	0.00	0.00	654,804.54
Transfers Out	(654,804.54)	0.00	0.00	0.00	0.00	(654,804.54)
Proceeds from Sale of Fixed Assets	0.00	0.00	0.00	71,650.00	0.00	71,650.00
Total other financing sources and uses	(654,804.54)	654,804.54	0.00	71,650.00	0.00	71,650.00
Net change in fund balance	2,528,922.55	146,923.18	(340,728.03)	502,474.30	31,767.96	2,869,359.96
Fund Balance - Beginning	5,848,585.77	856,684.17	274,356.73	(81,137.22)	1,352,801.16	8,251,290.61
Fund Balance - Ending	$ 8,377,508.32	$ 1,003,607.35	$ (66,371.30)	$ 421,337.08	$ 1,384,569.12	$11,120,650.57

Lehigh Acres Municipal Services Improvement District - Report 340

STATEMENT OF REVENUES, EXPENDITURES AND CHANGES IN FUND BALANCE

BUDGET vs. ACTUAL YTD - GENERAL FUND

For The Month Ended May 31, 2026 (Un-Audited)

Benchmark 66.67 %

	BUDGET($)	YTD ACTUAL($)	VARIANCE FAVORABLE/ (UNFAVORABLE)($)	PERCENT OF ACTUAL TO BUDGET(%)
Fund Balance - Beginning	5,730,425.10	5,848,585.77	118,160.67	102.06
REVENUES				
Tax Assessments	7,730,535.22	7,272,963.26	(457,571.96)	94.08
Tax Assessments - Discounts	(231,916.06)	(225,099.19)	6,816.87	97.06
Permit Fees	0.00	0.00	0.00	0.00
Miscellaneous Revenue	38,529.76	142,901.49	104,371.73	370.89
Interest Income	125,000.00	134,654.25	9,654.25	107.72
Prior Year Surplus	0.00	0.00	0.00	0.00
Total Revenues	7,662,148.92	7,325,419.81	(336,729.11)	95.61
EXPENDITURES				
Current				
Physical Environment				
Administration				
Personal Services	1,743,975.00	1,009,364.10	734,610.90	57.88
Operating Expenses	774,475.00	673,979.45	100,495.55	87.02
Total Administration	2,518,450.00	1,683,343.55	835,106.45	66.84
Stormwater Operations				
Personal Services	3,250,783.00	1,920,846.15	1,329,936.85	59.09
Operating Expenses	979,176.30	537,503.02	441,673.28	54.89
Total Stormwater Operations	4,229,959.30	2,458,349.17	1,771,610.13	58.12
Capital Outlay	0.00	0.00	0.00	0.00
Debt Service				
Principal	0.00	0.00	0.00	0.00
Interest	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00
Total Debt Service	0.00	0.00	0.00	0.00
Total Expenditures	6,748,409.30	4,141,692.72	2,606,716.58	61.37
Excess of Revenues over (under) Expenditures	913,739.62	3,183,727.09	2,269,987.47	348.43
OTHER FINANCING SOURCES (USES)				
Transfers Out	(1,215,224.54)	(654,804.54)	560,420.00	53.88
Total Other Financing Sources and Uses	(1,215,224.54)	(654,804.54)	560,420.00	53.88
Net Change in Fund Balance	(301,484.92)	2,528,922.55	2,830,407.47	(838.82)
Fund Balance - Ending	5,428,940.18	8,377,508.32	2,948,568.14	154.31

Lehigh Acres Municipal Services Improvement District - Report 340

STATEMENT OF REVENUES, EXPENDITURES AND CHANGES IN FUND BALANCE
BUDGET vs. ACTUAL YTD - DEBT SERVICE FUND
For The Month Ended May 31, 2026 (Un-Audited)

Benchmark 66.67 %

	BUDGET($)	YTD ACTUAL($)	VARIANCE FAVORABLE/ (UNFAVORABLE)($)	PERCENT OF ACTUAL TO BUDGET(%)
Fund Balance - Beginning	856,684.17	856,684.17	0.00	100.00
REVENUES				
Permit Fees	0.00	0.00	0.00	0.00
Interest Income	7,000.00	13,940.91	6,940.91	199.16
Prior Year Surplus	0.00	0.00	0.00	0.00
Total Revenues	7,000.00	13,940.91	6,940.91	199.16
EXPENDITURES				
Current				
Physical Environment				
Administration				
Total Administration	0.00	0.00	0.00	0.00
Stormwater Operations				
Total Stormwater Operations	0.00	0.00	0.00	0.00
Capital Outlay	0.00	0.00	0.00	0.00
Debt Service				
Principal	800,349.69	491,884.45	308,465.24	61.46
Interest	48,874.85	29,937.82	18,937.03	61.25
Other	0.00	0.00	0.00	0.00
Total Debt Service	849,224.54	521,822.27	327,402.27	61.45
Total Expenditures	849,224.54	521,822.27	327,402.27	61.45
Excess of Revenues over (under) Expenditures	(842,224.54)	(507,881.36)	334,343.18	60.30
OTHER FINANCING SOURCES (USES)				
Transfers In	849,224.54	654,804.54	(194,420.00)	77.11
Total Other Financing Sources and Uses	849,224.54	654,804.54	(194,420.00)	77.11
Net Change in Fund Balance	7,000.00	146,923.18	139,923.18	2,098.90
Fund Balance - Ending	863,684.17	1,003,607.35	139,923.18	116.20

Lehigh Acres Municipal Services Improvement District - Report 340

STATEMENT OF REVENUES, EXPENDITURES AND CHANGES IN FUND BALANCE
BUDGET vs. ACTUAL YTD - CAPITAL PROJECTS FUND

Benchmark 66.67 %

	BUDGET($)	YTD ACTUAL($)	VARIANCE FAVORABLE/ (UNFAVORABLE)($)	PERCENT OF ACTUAL TO BUDGET(%)
Fund Balance - Beginning	1,952,760.25	274,356.73	(1,678,403.52)	14.05
REVENUES				
Permit Fees	0.00	0.00	0.00	0.00
Intergovernmental - Revenue	3,115,000.00	990,790.22	(2,124,209.78)	31.81
Miscellaneous Revenue	0.00	123,790.39	123,790.39	0.00
Interest Income	20,000.00	19,502.87	(497.13)	97.51
Prior Year Surplus	0.00	0.00	0.00	0.00
Total Revenues	3,135,000.00	1,134,083.48	(2,000,916.52)	36.17
EXPENDITURES				
Current				
Physical Environment				
Administration				
Total Administration	0.00	0.00	0.00	0.00
Stormwater Operations				
Total Stormwater Operations	0.00	0.00	0.00	0.00
Capital Outlay	10,975,000.00	1,474,811.51	9,500,188.49	13.44
Debt Service				
Principal	0.00	0.00	0.00	0.00
Interest	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00
Total Debt Service	0.00	0.00	0.00	0.00
Total Expenditures	10,975,000.00	1,474,811.51	9,500,188.49	13.44
Excess of Revenues over (under) Expenditures	(7,840,000.00)	(340,728.03)	7,499,271.97	4.35
OTHER FINANCING SOURCES (USES)				
Total Other Financing Sources and Uses	0.00	0.00	0.00	0.00
Net Change in Fund Balance	(7,840,000.00)	(340,728.03)	7,499,271.97	4.35
Fund Balance - Ending	(5,887,239.75)	(66,371.30)	5,820,868.45	1.13

Lehigh Acres Municipal Services Improvement District - Report 340

STATEMENT OF REVENUES, EXPENDITURES AND CHANGES IN FUND BALANCE
BUDGET vs. ACTUAL YTD - EQUIPMENT RENEWAL & REPLACEMENT FUND

Benchmark 66.67 %

	BUDGET($)	YTD ACTUAL($)	VARIANCE FAVORABLE/ (UNFAVORABLE)($)	PERCENT OF ACTUAL TO BUDGET(%)
Fund Balance - Beginning	(195,851.02)	(81,137.22)	114,713.80	41.43
REVENUES				
Tax Assessments - PY/Penalties/Interest	0.00	8,604.33	8,604.33	0.00
Permit Fees	50,000.00	775,218.85	725,218.85	1,550.44
Interest Income	3,600.00	3,782.12	182.12	105.06
Prior Year Surplus	0.00	0.00	0.00	0.00
Total Revenues	53,600.00	787,605.30	734,005.30	1,469.41
EXPENDITURES				
Current				
Physical Environment				
Administration				
Total Administration	0.00	0.00	0.00	0.00
Stormwater Operations				
Total Stormwater Operations	0.00	0.00	0.00	0.00
Capital Outlay	410,000.00	356,781.00	53,219.00	87.02
Debt Service				
Principal	0.00	0.00	0.00	0.00
Interest	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00
Total Debt Service	0.00	0.00	0.00	0.00
Total Expenditures	410,000.00	356,781.00	53,219.00	87.02
Excess of Revenues over (under) Expenditures	(356,400.00)	430,824.30	787,224.30	(120.88)
OTHER FINANCING SOURCES (USES)				
Transfers In	366,000.00	0.00	(366,000.00)	0.00
Proceeds from Sale of Fixed Assets	0.00	71,650.00	71,650.00	0.00
Total Other Financing Sources and Uses	366,000.00	71,650.00	(294,350.00)	19.58
Net Change in Fund Balance	9,600.00	502,474.30	492,874.30	5,234.11
Fund Balance - Ending	(186,251.02)	421,337.08	607,588.10	(226.22)

Lehigh Acres Municipal Services Improvement District - Report 340

STATEMENT OF REVENUES, EXPENDITURES AND CHANGES IN FUND BALANCE
BUDGET vs. ACTUAL YTD - BRIDGE RENEWAL & REPLACEMENT FUND

Benchmark 66.67 %

	BUDGET($)	YTD ACTUAL($)	VARIANCE FAVORABLE/ (UNFAVORABLE)($)	PERCENT OF ACTUAL TO BUDGET(%)
Fund Balance - Beginning	1,634,673.97	1,352,801.16	(281,872.81)	82.76
REVENUES				
Tax Assessments	285,000.00	0.00	(285,000.00)	0.00
Permit Fees	0.00	0.00	0.00	0.00
Interest Income	15,000.00	35,481.18	20,481.18	236.54
Prior Year Surplus	0.00	0.00	0.00	0.00
Total Revenues	300,000.00	35,481.18	(264,518.82)	11.83
EXPENDITURES				
Current				
Physical Environment				
Administration				
Total Administration	0.00	0.00	0.00	0.00
Stormwater Operations				
Operating Expenses	50,000.00	3,713.22	46,286.78	7.43
Total Stormwater Operations	50,000.00	3,713.22	46,286.78	7.43
Capital Outlay	0.00	0.00	0.00	0.00
Debt Service				
Principal	0.00	0.00	0.00	0.00
Interest	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00
Total Debt Service	0.00	0.00	0.00	0.00
Total Expenditures	50,000.00	3,713.22	46,286.78	7.43
Excess of Revenues over (under) Expenditures	250,000.00	31,767.96	(218,232.04)	12.71
OTHER FINANCING SOURCES (USES)				
Total Other Financing Sources and Uses	0.00	0.00	0.00	0.00
Net Change in Fund Balance	250,000.00	31,767.96	(218,232.04)	12.71
Fund Balance - Ending	1,884,673.97	1,384,569.12	(500,104.85)	73.46

LEHIGH ACRES MSID

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MUNICIPAL SERVICES IMPROVEMENT DISTRICT

Memo

To: Board of Commissioners

From: Bill Walker

Date: 7/7/2026

Re: Field Report

The following Field Report details the field activities completed during the month of June 2025. Staff is hereby requesting that the Board of Commissioners accept this report.

1) **Canals Sprayed:**
   Spray crews have been treating the Districts Canals and Right-of-ways. Preserve maintenance will be conducted on days when the weather is not conducive to treating canals.

2) **Canal Cleanout:**
   Canal clean out is on schedule for the year.

3) **Canal Mowing:**
   Both mowing crews have started the mowing circuit. Flat mowers completed 45% and the Slope mowers have completed 35% of the second cycle.

4) **Canal Grading and Clearing:**
   Crews are working on washouts and grading behind the canal cleanout crews.

5) **Right of Way Program:**
   Staff worked on clearing ROW obstructions ahead of the clean out and mowing crews, inspecting the District's road crossing culverts and the NDPES Annual Report. The new ROW policy updates regarding the removal of non-permanent encroachments (cars, boats, equipment, ect.) has been working well. Approximately 35 violations have been issued. Most were resolved immediately and 3 vehicles have been towed.

6) **Preserves:**
   Spray crews worked on preserve maintenance and special projects when weather was not conducive for canal treatments.

7) **Water Quality:**
   Staff has received the Water Quality sampling results from the City of Cape Coral and the results are normal for this time of year.

8) Facilities:

No notable changes have occurred with the Districts facilities over the last month. Staff has continued to maintain the parks with mowing, mulching and trash removal.

9) Fleet Maintenance:

Normal fleet maintenance has occurred during the last month.

10) Education/ Meetings:

None to Report.

11) Vandalism:

None to Report.

Lehigh Acres Municipal Services Improvement District
Account Detail 10/01/2025 to 9/30/2026

Date	Post Type	Source	Reference	Description	Units	Debit	Credit	Balance
0001-0001-538-3100 Legal Fees								0.00
10/31/2025	Actual	A/P	SCB-166002	Lewis Longman & Walker P.A. General Counsel through 10/31/25		7,105.00		7,105.00
12/30/2025	Actual	A/P	SCB-166830	Lewis Longman & Walker P.A. General Counsel through 12/30/25		3,738.46		10,843.46
1/20/2026	Actual	A/P	20342	Hultman & Joshi, P.A. Matter: General through 08/28/25		925.00		11,768.46
1/20/2026	Actual	A/P	20513	Hultman & Joshi, P.A. Matter: General for 10/13/25		75.00		11,843.46
1/20/2026	Actual	A/P	20448	Hultman & Joshi, P.A. Matter: General through 10/14/25		725.00		12,568.46
2/01/2026	Actual	G/L	JE26-5D	Reclass Expenses to Correct Account		6,608.88		19,177.34
			Line Description:	Lewis Longman Walker Legal from Legislative				
2/03/2026	Actual	A/P	SCB-167415	Lewis Longman & Walker P.A. General Counsel through 01/26/26		1,155.00		20,332.34
2/25/2026	Actual	A/P	SCB-167632	Lewis Longman & Walker P.A. General Counseling through 02/25/26		3,515.00		23,847.34
4/08/2026	Actual	A/P	SCB-168023	Lewis Longman & Walker P.A. General Counsel through 03/31/26		2,345.00		26,192.34
4/30/2026	Actual	A/P	20640	Hultman & Joshi, P.A. Matter: General through 02/17/26		250.00		26,442.34
4/30/2026	Actual	A/P	20365	Hultman & Joshi, P.A. Matter: General through 09/02/25		425.00		26,867.34
4/30/2026	Actual	A/P	SCB-168418	Lewis Longman & Walker P.A. General Counsel through 04/25/26		3,815.00		30,682.34
5/11/2026	Actual	A/P	20708	Hultman & Joshi, P.A. Matter: General through 04/30/26		350.00		31,032.34
5/31/2026	Actual	A/P	SCB-168790	Lewis Longman & Walker P.A. General Counsel through 05/31/26		4,158.00		35,190.34
6/16/2026	Actual	A/P	20776	Hultman & Joshi, P.A. Matter: General through 06/16/26		325.00		35,515.34
6/30/2026	Actual	A/P	SCB-169404	Lewis Longman & Walker P.A. General Counsel through 06/30/26		9,585.00		45,100.34
0001-0001-538-3100 Legal Fees Total					0.00	45,100.34	0.00	45,100.34
0001-0001-538-3110 Legislative Fees								0.00
10/05/2025	Actual	A/P	MCL-165963	Lewis Longman & Walker P.A. Legislative Representation		4,286.90		4,286.90
10/09/2025	Actual	A/P	MCL-165596	Lewis Longman & Walker P.A. Legislative Representation		4,000.00		8,286.90

Date	Post Type	Source	Reference	Description	Units	Debit	Credit	Balance
11/27/2025	Actual	A/P	SCB-166268	Lewis Longman & Walker P.A. General Counsel through 11/27/25		6,608.88		14,895.78
11/30/2025	Actual	A/P	MCL-166349	Lewis Longman & Walker P.A. Legislative Representation		4,169.46		19,065.24
12/31/2025	Actual	A/P	MCL-166752	Lewis Longman & Walker P.A. Legislative Represention		4,014.35		23,079.59
1/31/2026	Actual	A/P	MCL-167134	Lewis Longman & Walker P.A. Legislative Representation		4,148.28		27,227.87
2/01/2026	Actual	G/L	JE26-5D	Reclass Expenses to Correct Account			6,608.88	20,618.99
			Line Description:	Lewis Longman Walker Legal from Legislative				
3/10/2026	Actual	A/P	MCL-1676680	Lewis Longman & Walker P.A. Legislative Representation		4,383.01		25,002.00
4/09/2026	Actual	A/P	MCL-168458	Lewis Longman & Walker P.A. Legislative Representation		4,161.49		29,163.49
4/10/2026	Actual	A/P	MCL-168069	Lewis Longman & Walker P.A. Legislative Representation		4,102.89		33,266.38
6/03/2026	Actual	A/P	MCL-168762	Lewis Longman & Walker P.A. Legislative Representation		4,041.68		37,308.06
0001-0001-538-3110 Legislative Fees Total					0.00	43,916.94	6,608.88	37,308.06
Report Total					**0.00**	**89,017.28**	**6,608.88**	**82,408.40**

Lehigh Acres Municipal Services Improvement District
Account Detail 10/01/2025 to 9/30/2026

Date	Post Type	Source	Reference	Description	Units	Debit	Credit	Balance
0001-0001-538-3130 Engineering								0.00
10/31/2025	Actual	A/P	252166-1	AIM Engineering & Surveying, Inc. General Engineering through 10/31/25		11,891.50		11,891.50
11/21/2025	Actual	A/P	252166-2	AIM Engineering & Surveying, Inc. General Engineering through 11/21/25		5,816.50		17,708.00
1/09/2026	Actual	A/P	252166-3	AIM Engineering & Surveying, Inc. General Engineering through 01/09/26		4,882.00		22,590.00
2/11/2026	Actual	A/P	252166-4	AIM Engineering & Surveying, Inc. General Engineering though 02/06/26		9,524.25		32,114.25
2/27/2026	Actual	A/P	252166-5	AIM Engineering & Surveying, Inc. General Engineering through 02/27/26		3,391.00		35,505.25
4/08/2026	Actual	A/P	252166-6	AIM Engineering & Surveying, Inc. General Engineering through 04/03/26		12,474.00		47,979.25
4/30/2026	Actual	A/P	252166-7	AIM Engineering & Surveying, Inc. General Engineering through 04/30/26		10,413.00		58,392.25
5/29/2026	Actual	A/P	252166-8	AIM Engineering & Surveying, Inc. General Engineering through 05/29/26		5,187.25		63,579.50
6/30/2026	Actual	A/P	252166-9	AIM Engineering & Surveying, Inc. General Engineering through 06/30/26		8,013.75		71,593.25
0001-0001-538-3130 Engineering Total					0.00	71,593.25	0.00	71,593.25
0306-4030-538-3130 C.R.E.S.T. Project - Engineering								0.00
11/21/2025	Actual	A/P	191026-67	AIM Engineering & Surveying, Inc. ADDITIONAL DESIGN & PERMITTING SERVICES for the CALOOSAHATCHEE RIVER ESTUARY STORAGE AND TREATMENT (CREST) PROJECT (ADDITIONAL PHASE 3		196.95		196.95
4/08/2026	Actual	A/P	191026-69	AIM Engineering & Surveying, Inc. CREST PHIII Enhanced Pump Setup Plan through 04/03/26		6,704.48		6,901.43

Date	Post Type	Source	Reference	Description	Units	Debit	Credit	Balance
4/08/2026	Actual	A/P	191026-68	AIM Engineering & Surveying, Inc. ADDITIONAL DESIGN & PERMITTING SERVICES for the CALOOSAHATCHEE RIVER ESTUARY STORAGE AND TREATMENT (CREST) PROJECT (ADDITIONAL PHASE 3		393.90		7,295.33
0306-4030-538-3130 C.R.E.S.T. Project - Engineering Total					0.00	7,295.33	0.00	7,295.33
0306-4067-538-3130 GS-10 - Engineering								0.00
10/31/2025	Actual	A/P	211364-46	AIM Engineering & Surveying, Inc. LA-MSID Section 10 Concept Plan - Conceptual Construction Budget Engineering Estimate through 10/31/25		730.00		730.00
10/31/2025	Actual	A/P	211364-47	AIM Engineering & Surveying, Inc. CHANGE ORDER NO. 01 – GS-10 Stormwater Storage and Treatment Project through 10/31/25		20,204.00		20,934.00
11/21/2025	Actual	A/P	211364-48	AIM Engineering & Surveying, Inc. CHANGE ORDER NO. 01 – GS-10 Stormwater Storage and Treatment Project through 11/21/25		1,216.25		22,150.25
1/13/2026	Actual	A/P	211364-49	AIM Engineering & Surveying, Inc. CHANGE ORDER NO. 01 – GS-10 Stormwater Storage and Treatment Project through 01/09/26		11,457.50		33,607.75
2/11/2026	Actual	A/P	211364-50	AIM Engineering & Surveying, Inc. CHANGE ORDER NO. 01 – GS-10 Stormwater Storage and Treatment Project through 02/06/26		6,432.50		40,040.25
2/11/2026	Actual	A/P	252112-1	AIM Engineering & Surveying, Inc. Frank Mann Preserve, Phase 2 Project though 02/06/26		4,487.50		44,527.75
2/27/2026	Actual	A/P	252112-2	AIM Engineering & Surveying, Inc. Frank Mann Preserve, Phase 2 Project through 02/27/26		3,488.75		48,016.50
2/27/2026	Actual	A/P	211364-51	AIM Engineering & Surveying, Inc. CHANGE ORDER NO. 01 – GS-10 Stormwater Storage and Treatment Project through 02/27/26		8,165.00		56,181.50

Date	Post Type	Source	Reference	Description	Units	Debit	Credit	Balance
4/08/2026	Actual	A/P	252112-3	AIM Engineering & Surveying, Inc. Frank Mann Preserve, Phase 2 Project through 04/03/26		13,768.75		69,950.25
4/08/2026	Actual	A/P	211364-52	AIM Engineering & Surveying, Inc. CHANGE ORDER NO. 01 – GS-10 Stormwater Storage and Treatment Project through 04/03/26		7,433.75		77,384.00
4/30/2026	Actual	A/P	211364-53	AIM Engineering & Surveying, Inc. CHANGE ORDER NO. 01 – GS-10 Stormwater Storage and Treatment Project through 04/30/26		2,232.50		79,616.50
4/30/2026	Actual	A/P	252112-4	AIM Engineering & Surveying, Inc. Frank Mann Preserve, Phase 2 Project through 04/30/26		25,486.75		105,103.25
5/29/2026	Actual	A/P	252112-5	AIM Engineering & Surveying, Inc. Frank Mann Preserve, Phase 2 Project through 05/29/26		19,458.75		124,562.00
6/30/2026	Actual	A/P	252112-6	AIM Engineering & Surveying, Inc. Frank Mann Preserve, Phase 2 Project through 06/30/26		24,240.00		148,802.00
6/30/2026	Actual	A/P	211364-54	AIM Engineering & Surveying, Inc. CHANGE ORDER NO. 01 – GS-10 Stormwater Storage and Treatment Project through 06/30/26		10,212.50		159,014.50
0306-4067-538-3130 GS-10 - Engineering Total					0.00	159,014.50	0.00	159,014.50
0306-4071-538-3130 Sink Hole-Engineering								0.00
10/31/2025	Actual	A/P	252166-1	AIM Engineering & Surveying, Inc. General Engineering through 10/31/25		3,807.50		3,807.50
11/21/2025	Actual	A/P	252166-2	AIM Engineering & Surveying, Inc. General Engineering through 11/21/25		257.00		4,064.50
2/11/2026	Actual	A/P	252166-4	AIM Engineering & Surveying, Inc. General Engineering though 02/06/26		4,661.00		8,725.50
4/30/2026	Actual	A/P	252166-7	AIM Engineering & Surveying, Inc. General Engineering through 04/30/26		650.00		9,375.50
5/29/2026	Actual	A/P	252166-8	AIM Engineering & Surveying, Inc. General Engineering through 05/29/26		1,048.00		10,423.50

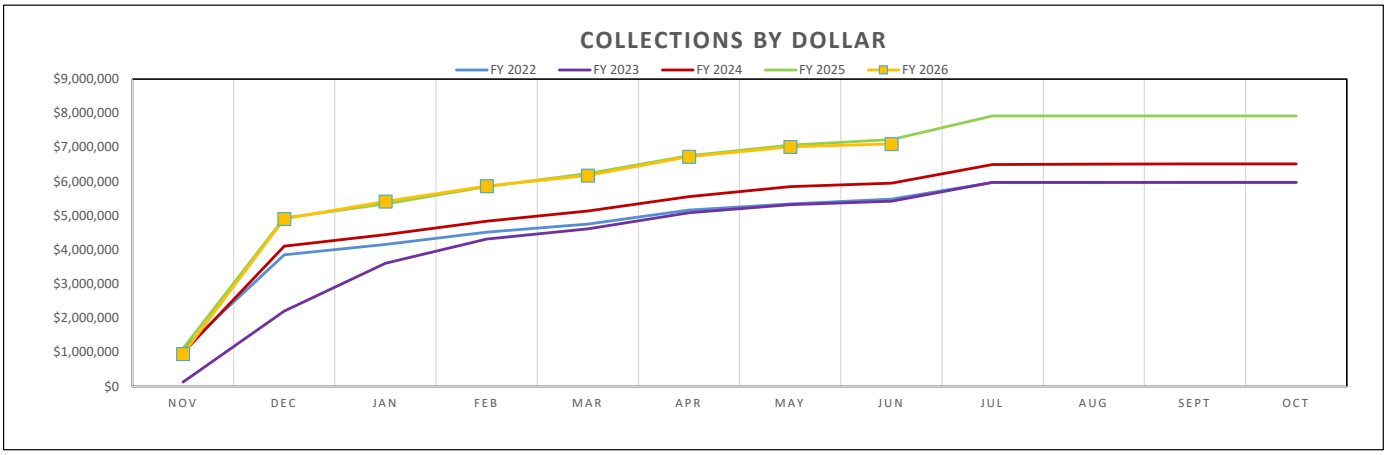
Date	Post Type	Source	Reference	Description	Units	Debit	Credit	Balance
6/30/2026	Actual	A/P	252166-9	AIM Engineering & Surveying, Inc. General Engineering through 06/30/26		711.00		11,134.50
0306-4071-538-3130 Sink Hole-Engineering Total					0.00	11,134.50	0.00	11,134.50
0306-4072-538-3130 Robust Parcel- Engineering								0.00
10/31/2025	Actual	A/P	252051-7	AIM Engineering & Surveying, Inc. ROBUST PHII: This scope of work is for the design, post-design, and construction-phase services related to ROBUST Phase 2 through 10/31/25		20,847.50		20,847.50
10/31/2025	Actual	A/P	252111-3	AIM Engineering & Surveying, Inc. Change Order No. 01-Robust through 10/31/25		4,112.00		24,959.50
10/31/2025	Actual	A/P	252161-2	AIM Engineering & Surveying, Inc. Change Order No. 02-Robust through 10/31/25		4,626.00		29,585.50
11/21/2025	Actual	A/P	252161-3	AIM Engineering & Surveying, Inc. ROBUST PHII: This scope of work is for the design, post-design, and construction-phase services related to ROBUST Phase 2 through 11/21/25		3,598.00		33,183.50
11/21/2025	Actual	A/P	252111-4	AIM Engineering & Surveying, Inc. Change Order No. 01-Robust through 11/21/25		3,885.00		37,068.50
11/21/2025	Actual	A/P	252051-8	AIM Engineering & Surveying, Inc. ROBUST PHII: This scope of work is for the design, post-design, and construction-phase services related to ROBUST Phase 2 through 11/21/25		17,017.00		54,085.50
1/13/2026	Actual	A/P	252111-5	AIM Engineering & Surveying, Inc. Change Order No. 01-Robust through 01/09/26		14,007.50		68,093.00
1/13/2026	Actual	A/P	252161-4	AIM Engineering & Surveying, Inc. Change Order No. 02-Robust through 01/09/26		6,939.00		75,032.00

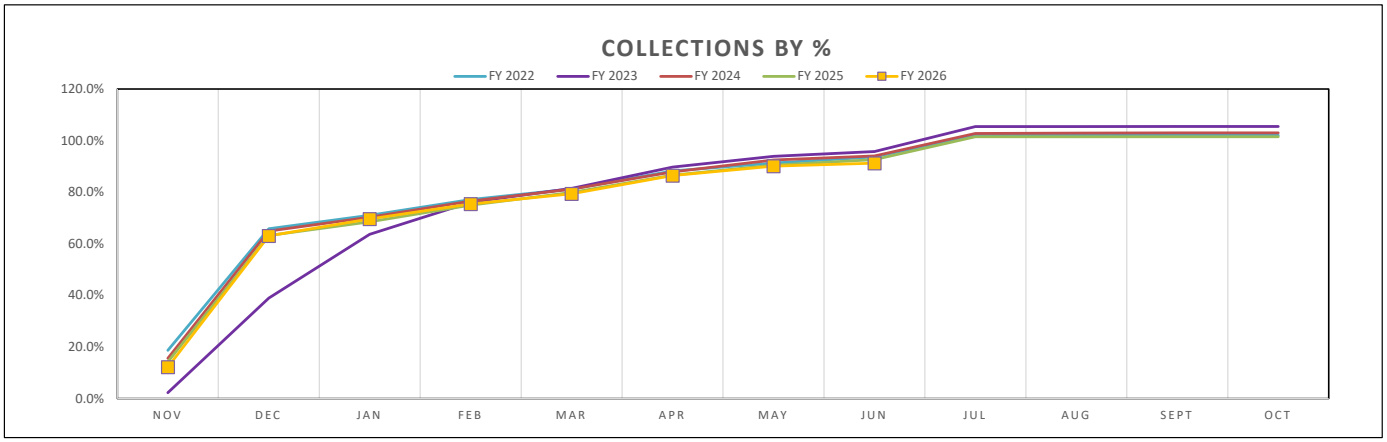
Date	Post Type	Source	Reference	Description	Units	Debit	Credit	Balance
1/13/2026	Actual	A/P	252051-9	AIM Engineering & Surveying, Inc. ROBUST PHII: This scope of work is for the design, post-design, and construction-phase services related to ROBUST Phase 2 through 01/09/26		24,346.50		99,378.50
2/11/2026	Actual	A/P	252051-10	AIM Engineering & Surveying, Inc. ROBUST PHII: This scope of work is for the design, post-design, and construction-phase services related to ROBUST Phase 2 through 02/06/26		3,780.00		103,158.50
2/11/2026	Actual	A/P	252111-6	AIM Engineering & Surveying, Inc. Change Order No. 01-Robust through 02/6/26		3,545.00		106,703.50
2/11/2026	Actual	A/P	252161-5	AIM Engineering & Surveying, Inc. Change Order No. 02-Robust through 02/06/26		2,762.75		109,466.25
2/27/2026	Actual	A/P	252161-6	AIM Engineering & Surveying, Inc. Change Order No. 02-Robust through 02/27/26		3,341.00		112,807.25
2/27/2026	Actual	A/P	252111-7	AIM Engineering & Surveying, Inc. Change Order No. 01-Robust through 02/27/26		10,737.50		123,544.75
4/08/2026	Actual	A/P	252111-8	AIM Engineering & Surveying, Inc. Change Order No. 01-Robust through 04/03/26		26,354.50		149,899.25
4/08/2026	Actual	A/P	252161-7	AIM Engineering & Surveying, Inc. Change Order No. 02-Robust through 04/03/26		5,782.50		155,681.75
4/08/2026	Actual	A/P	252051-11	AIM Engineering & Surveying, Inc. ROBUST PHII: This scope of work is for the design, post-design, and construction-phase services related to ROBUST Phase 2 through 04/03/26		7,290.00		162,971.75
4/30/2026	Actual	A/P	252111-9	AIM Engineering & Surveying, Inc. Change Order No. 01-Robust through 04/30/26		15,146.00		178,117.75
4/30/2026	Actual	A/P	252161-8	AIM Engineering & Surveying, Inc. Change Order No. 02-Robust through 04/30/26		6,485.00		184,602.75

Date	Post Type	Source	Reference	Description	Units	Debit	Credit	Balance
5/29/2026	Actual	A/P	252051-12	AIM Engineering & Surveying, Inc. ROBUST PHII: This scope of work is for the design, post-design, and construction-phase services related to ROBUST Phase 2 through 05/29/26		1,575.00		186,177.75
5/29/2026	Actual	A/P	252161-9	AIM Engineering & Surveying, Inc. Change Order No. 02-Robust through 05/29/26		3,341.00		189,518.75
5/29/2026	Actual	A/P	252111-10	AIM Engineering & Surveying, Inc. Change Order No. 01-Robust through 05/29/26		3,111.50		192,630.25
6/30/2026	Actual	A/P	252111-11	AIM Engineering & Surveying, Inc. Change Order No. 01-Robust through 06/30/26		18,187.00		210,817.25
6/30/2026	Actual	A/P	252161-10	AIM Engineering & Surveying, Inc. Change Order No. 02-Robust through 06/30/26		3,361.00		214,178.25
0306-4072-538-3130 Robust Parcel- Engineering Total					0.00	214,178.25	0.00	214,178.25
0306-4076-538-3130 Sunshine/Alico Widening								0.00
4/30/2026	Actual	A/P	262241-1	AIM Engineering & Surveying, Inc. Sunshine/Alico Road Connector Modeling Analysis through 04/30/26		12,461.00		12,461.00
5/29/2026	Actual	A/P	262241-2	AIM Engineering & Surveying, Inc. Sunshine/Alico Road Connector Modeling Analysis through 05/29/26		19,755.50		32,216.50
0306-4076-538-3130 Sunshine/Alico Widening Total					0.00	32,216.50	0.00	32,216.50
Report Total					**0.00**	**495,432.33**	**0.00**	**495,432.33**

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT
Lee & Hendry County Tax Collections (Cash Basis)
Current Year
Cumulative Tax Revenues: % of Budget and Gross Dollars
FY 2022 - FY 2026

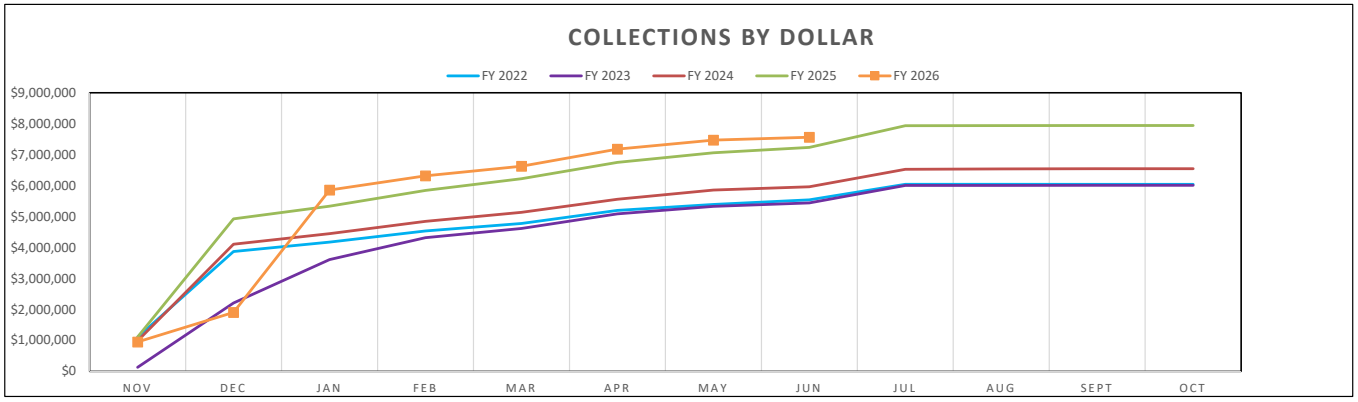
FY	Budget	Collections												Collections thru October
		Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	
2022	5,854,755	1,094,645	2,759,047	305,803	359,295	237,789	408,249	181,345	139,853	487,719	43	25	-	5,973,813
		1,094,645	3,853,692	4,159,495	4,518,789	4,756,578	5,164,827	5,346,172	5,486,026	5,973,745	5,973,787	5,973,813	5,973,813	
		18.70%	65.82%	71.04%	77.18%	81.24%	88.22%	91.31%	93.70%	102.03%	102.03%	102.03%	102.03%	
2023	5,667,887	129,143	2,077,479	1,401,531	706,740	300,612	472,189	236,197	103,049	550,882	175	242	-	5,978,239
		129,143	2,206,622	3,608,153	4,314,893	4,615,505	5,087,695	5,323,891	5,426,940	5,977,822	5,977,996	5,978,239	5,978,239	
		2.28%	38.93%	63.66%	76.13%	81.43%	89.76%	93.93%	95.75%	105.47%	105.47%	105.48%	105.48%	
2024	6,327,476	987,239	3,120,390	338,282	396,529	292,731	425,667	290,528	99,949	549,841	11,710	4,297	-	6,517,164
		987,239	4,107,629	4,445,911	4,842,441	5,135,172	5,560,838	5,851,367	5,951,316	6,501,157	6,512,867	6,517,164	6,517,164	
		15.60%	64.92%	70.26%	76.53%	81.16%	87.88%	92.48%	94.06%	102.74%	102.93%	103.00%	103.00%	
2025	7,806,113	1,112,576	3,820,836	412,070	507,489	382,351	522,119	307,476	167,258	687,948	1,266	(352)	1	7,921,035
		1,112,576	4,933,412	5,345,481	5,852,970	6,235,321	6,757,440	7,064,915	7,232,173	7,920,121	7,921,387	7,921,034	7,921,035	
		14.25%	63.20%	68.48%	74.98%	79.88%	86.57%	90.50%	92.65%	101.46%	101.48%	101.47%	101.47%	
2026	7,783,619	951,417	3,957,059	511,783	449,849	306,294	553,204	285,237	87,956	-	-	-	-	7,102,800
		951,417	4,908,476	5,420,259	5,870,108	6,176,402	6,729,606	7,014,843	7,102,800	7,102,800	7,102,800	7,102,800	7,102,800	
		12.22%	63.06%	69.64%	75.42%	79.35%	86.46%	90.12%	91.25%	91.25%	91.25%	91.25%	91.25%	

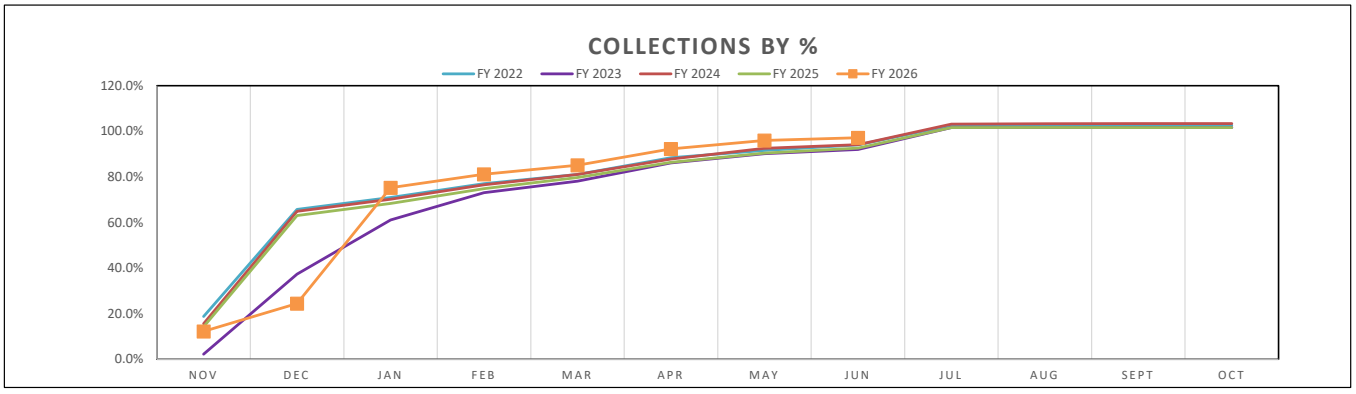




LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT
Lee & Hendry County Tax Collections (Cash Basis)
Current Year, Prior Years, Interest and Penalties
Cumulative Tax Revenues: % of Budget and Gross Dollars
FY 2022 - FY 2026

FY	Budget	Collections												Collections thru October
		Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	
2022	5,887,755	1,104,673	2,765,163	306,258	359,308	239,686	427,753	191,869	143,316	503,054	564	544		6,042,187
		1,104,673	3,869,836	4,176,094	4,535,402	4,775,088	5,202,841	5,394,710	5,538,025	6,041,079	6,041,643	6,042,187	6,042,187	
		18.76%	65.73%	70.93%	77.03%	81.10%	88.37%	91.63%	94.06%	102.60%	102.61%	102.62%	102.62%	
2023	5,912,503	131,731	2,077,393	1,401,576	706,743	300,374	472,453	242,861	105,645	568,046	175	3,543		6,010,541
		131,731	2,209,124	3,610,699	4,317,442	4,617,817	5,090,270	5,333,131	5,438,776	6,006,823	6,006,997	6,010,541	6,010,541	
		2.23%	37.36%	61.07%	73.02%	78.10%	86.09%	90.20%	91.99%	101.60%	101.60%	101.66%	101.66%	
2024	6,332,238	987,757	3,120,454	338,282	396,495	292,731	426,047	298,315	102,380	567,027	12,694	4,493	-	6,546,675
		987,757	4,108,211	4,446,494	4,842,989	5,135,720	5,561,767	5,860,082	5,962,462	6,529,489	6,542,182	6,546,675	6,546,675	
		15.60%	64.88%	70.22%	76.48%	81.10%	87.83%	92.54%	94.16%	103.12%	103.32%	103.39%	103.39%	
2025	7,809,313	1,112,594	3,811,371	412,137	507,415	382,684	522,119	315,593	171,259	703,033	1,342	(266)	106	7,939,388
		1,112,594	4,923,965	5,336,102	5,843,517	6,226,201	6,748,320	7,063,913	7,235,172	7,938,205	7,939,547	7,939,281	7,939,388	
		14.25%	63.05%	68.33%	74.83%	79.73%	86.41%	90.45%	92.65%	101.65%	101.67%	101.66%	101.67%	
2026	7,783,619	951,621	951,417	3,957,144	459,505	306,490	553,251	293,169	90,639	-	-	-	-	7,563,235
		951,621	1,903,038	5,860,182	6,319,687	6,626,177	7,179,427	7,472,596	7,563,235	7,563,235	7,563,235	7,563,235	7,563,235	
		12.23%	24.45%	75.29%	81.19%	85.13%	92.24%	96.00%	97.17%	97.17%	97.17%	97.17%	97.17%	





LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT
Total Revenue Collections (Cash Basis)
Cumulative Tax Revenues: % of Budget and Gross Dollars
FY 2022 - FY 2026

FY 2022 - FY 2026

FY	Budget	Collections												Collections thru October
		Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	
2022	7,048,300	1,107,277	2,766,858	315,487	623,323	264,112	437,565	207,181	162,393	525,359	22,274	22,912	50,204	6,504,945
		1,107,277	3,874,135	4,189,622	4,812,945	5,077,057	5,514,622	5,721,803	5,884,196	6,409,554	6,431,829	6,454,741	6,504,945	
		15.7%	55.0%	59.4%	68.3%	72.0%	78.2%	81.2%	83.5%	90.9%	91.3%	91.6%	92.3%	
2023	6,884,353	163,433	2,106,138	1,467,362	743,902	352,979	537,627	287,879	156,899	607,497	104,918	15,458	59,785	6,603,878
		163,433	2,269,571	3,736,933	4,480,836	4,833,814	5,371,441	5,659,320	5,816,219	6,423,717	6,528,635	6,544,093	6,603,878	
		2.4%	33.0%	54.3%	65.1%	70.2%	78.0%	82.2%	84.5%	93.3%	94.8%	95.1%	95.9%	
2024	6,517,852	1,008,710	3,124,375	352,205	401,051	322,867	2,194,816	1,235,869	144,994	574,827	14,194	23,856	-	9,397,765
		1,008,710	4,133,085	4,485,290	4,886,341	5,209,208	7,404,025	8,639,894	8,784,888	9,359,714	9,373,908	9,397,765	9,397,765	
		15.5%	63.4%	68.8%	75.0%	79.9%	113.6%	132.6%	134.8%	143.6%	143.8%	144.2%	144.2%	
2025	7,956,913	1,140,414	3,924,840	412,137	578,421	460,078	550,767	324,306	180,832	731,561	54,008	3,394	53,247	8,414,003
		1,140,414	5,065,254	5,477,391	6,055,812	6,515,890	7,066,656	7,390,962	7,571,794	8,303,355	8,357,363	8,360,757	8,414,003	
		14.3%	63.7%	68.8%	76.1%	81.9%	88.8%	92.9%	95.2%	104.4%	105.0%	105.1%	105.7%	
2026	7,783,619	1,021,870	4,017,071	560,507	532,871	848,056	1,660,466	401,744	489,557	-	-	-	-	9,532,143
		1,021,870	5,038,940	5,599,448	6,132,319	6,980,376	8,640,842	9,042,586	9,532,143	9,532,143	9,532,143	9,532,143	9,532,143	
		13.1%	64.7%	71.9%	78.8%	89.7%	111.0%	116.2%	122.5%	122.5%	122.5%	122.5%	122.5%	

