May 18, 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.** Move, Remove and Add Agenda Items
- **E.** Approval of Agenda
- **F.** Action on Removed Consent Items
- **G.** Approval of Consent Agenda

2) Consent Agenda
- **A.** Invoices and Change Orders
- **B.** Approval of Minutes – April 20, 2026, Regular Meeting
- **C.** PER #26-14, El Car Wash – 2701 Lee Blvd.
- **D.** PER #26-51, CenturyLink-Lumen Bore under Gunner Canal (46-22-3) at Park Rd
- **E.** PER #26-53, CenturyLink-Lumen Bore under Angelfish Canal (46-28-2) at Gunnery Rd
- **F.** PER #26-57, Comcast Bore under Cabio Canal (46-25-2) at 12th St. W.
- **G.** PER #26-58, Comcast Bore under Shrike Canal (57-24-8) at Bari St. E.
- **H.** PER #26-59, Comcast Bore under Shrike Canal (57-24-8) at Isabella St.
- **I.** PER #26-60, Comcast Bore under Snipe Canal (57-24-7) at Naples Ave. S.
- **J.** PER #26-64, Comcast Bore under Sandhill Canal (57-2-7) at Sentinella Blvd.
- **K.** PER #26-65, Comcast Bore under Plover Canal (57-11-4) at Butler St. E.
- **L.** PER #26-66, Comcast Bore under Bald Eagle Canal (57-36-2) at SR 82
- **M.** PER #26-67, FGUA Waterline Bore under Amberjack Canal (46-31-2) at 28th St. SW
- **N.** PER #26-20, #26-21, #26-24, #26-25 & #26-26, Lumos Bores
- **O.** PER#26-30, #26-32, #26-33, #26-34, #26-35, #26-36, #26-37 & #26-38, Lumos Bores
- **P.** PER#26-44 & #26-45, Lumos Bores

3) Action Agenda
- **A.** Good Cause
- **B.** MOU - Teamsters Local 79 and LA-MSID
- **C.** Changes to Job Descriptions

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. 2027-2031 Draft Capital Improvement Plan
  2. 2027-2031 Draft Strategic Plan
  3. 2027 Draft Capital Equipment Replacement Plan
  4. Evaluation of Manager
  5. Hurricane Pay Policy
- **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: May 18, 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

AGENDA ITEM SUMMARY

Subject: Approval of Minutes - April 20, 2026 Regular Meeting

Meeting Date: May 18, 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 April 20, 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 Dana March, Finance Director Tim Browning, Information Systems Coordinator Lisa Waskiewicz, Resource & Relations Director Alexis Nielson, Administrative Support Specialist (Virtual)
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.** Move, Remove and Add Agenda Items
- **E.** Approval of Agenda
- **F.** Public Comment for Agenda Items and Non-agenda Items
- **G.** Lee County Sherriff's Office Comments
- **H.** Action on Removed Consent Items
- **I.** Approval of Consent Agenda

2) Consent Agenda

- **A.** Invoices and Change Orders
- **B.** Approval of Minutes – March 16, 2026, Regular Meeting
- **C.** PER #18-25 (M1) – Lehigh Boat & RV Storage – 5501 8th St. W. – Permit Mod.
- **D.** PER #26-19 – Lumos Bore under E. Easy Canal (47-13-2) at Moore Ave.
- **E.** PER #26-27 – Lumos Bore under Wedgewood Canal (47-31-4) at Homestead Rd.
- **F.** PER #26-28 – Lumos Bore under Yellowtail Ext. Canal (47-31-5) at Beth Stacey Blvd.
- **G.** PER #26-29 – Lumos Bore under Spur "B" Canal (47-32-3) at Lee Blvd.
- **H.** PER #26-31 – Lumos Bore under E. Baker Canal (47-13-1) at Moore Ave.
- **I.** PER #26-39 – Lumos Bore under Spur "B" Canal (47-32-3) at Delaware Rd.
- **J.** PER #26-42 – LCEC Aerial Crossing Bald Eagle Canal (57-25-1) at Nimitz Blvd.
- **K.** PER #26-43 – LCEC Aerial Crossing Sandhill Canal (57-27-1) at Nimitz Blvd.
- **L.** PER #26-46 – LCEC Aerial Crossing Moorhen Canal (57-3-4) at Sentinela Blvd.
- **M.** PER #26-47 – LCEC Aerial Crossing Sandhill Canal (57-2-7) at Sentinela Blvd.
- **N.** PER #26-48 – LCEC Aerial Crossing Osprey Canal (57-3-1) at Bell Blvd. S.
- **O.** PER #26-49 – LCEC Aerial Crossing Anhinga Canal (57-10-1) at Bell Blvd. S.
- **P.** PER #26-50 – LCEC Aerial Crossing George Canal (47-21-1) at Richmond Ave. N.
- **Q.** PER #26-54 – Lumos Bore under King Canal (47-3-6) at Joel Blvd.
- **R.** PER #26-55 – Lumos Bore under Rattlebox Canal (47-3-4) at Ocean Park Dr.
- **S.** PER #26-61 – 7 Brew Coffee – 1209 Homestead Rd. N.

3) Action Agenda

- **A.** Good Cause
- **B.** CRAS Proposal – Theresa Scrober, LLC
- **C.** FP&L Easement & PER #26-56 – 2 Parallel 230kV Transmission Lines along Carlos Waterway & Hendry Canal R/W

4) Discussion Agenda

- **A.** Old Business
1. 2026 Legislative Appropriation
2. Leeland Bottomless Lake Building
3. Manager Replacement Strategy and Schedule

- **B.** New Business
- **C.** Commissioner's Request
- **D.** Engineer's Report
- **E.** Attorney's Report
- **F.** Staff and Financial Report
- **G.** Treasurer's Report
- **H.** 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 Deetscreek did the invocation. Commissioner Hoover led the pledge.

D. MOVE, REMOVE AND ADD AGENDA ITEM

District Manager Dave Lindsay recommended removing 3A – Good Cause.

E. APPROVAL OF AGENDA

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

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

None.

G. LEE COUNTY SHERIFF'S OFFICE COMMENTS

Lieutenant Mike Truscott spoke about LCSO being more involved in LA-MSID board meetings. He wanted to introduce the deputy who is going to attending meetings regularly, Deputy Ray Strobel.

H. ACTION ON REMOVED CONSENT ITEMS

None.

I. APPROVAL OF CONSENT AGENDA

- *Move to approve the Consent Agenda as submitted.*
  - *Commissioner Hoover 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 – March 16, 2026 Regular Meeting
Move to approve the minutes of the March 16, 2026 Regular Board Meeting.

C. PER #18-25 (M1) – Lehigh Boat & RV Storage – 5501 8th St. W. – Permit Modification
Move to approve Permit #18-25 (M1), Lehigh Boat & RV Storage Minor Modification, with any listed stipulations.

D. PER #26-19 – Lumos Bore under E. Easy Canal (47-13-2) at Moore Ave.
Move to approve PER # 26-19, Lumos Bore under E. Easy Canal (47-13-2) at Moore Ave, with any listed stipulations.

E. PER #26-27 – Lumos Bore under Wedgewood Canal (47-31-4) at Homestead Rd.
Move to approve PER # 26-27, Lumos Bore under Wedgewood Canal (47-31-4) at Homestead Road, with any listed stipulations.

F. PER # 26-28 – Lumos Bore under Yellowtail Ext. Canal (47-31-5) at Beth Stacey Blvd
Move to approve PER # 26-28, Lumos Bore under Yellowtail Extension Canal (47-31-5) at Beth Stacey Blvd., with any listed stipulations.

G. PER # 26-29 – Lumos Bore under Spur "B" Canal (47-32-3) at Lee Blvd.
Move to approve PER # 26-29, Lumos Bore under Spur "B" Canal (47-32-3) at Lee Blvd., with any listed stipulations.

H. PER #26-31, Lumos Bore under E. Baker Canal (47-13-1) at Moore Ave.
Move to approve PER # 26-31, Lumos Bore under E. Baker Canal (47-13-1) at Moore Ave., with any listed stipulations.

I. PER #26-39 – Lumos Bore under Spur "B" Canal (47-32-3) at Delaware Rd.
Move to approve PER # 26-39, Lumos Bore under Spur "B" Canal (47-32-3) at Delaware Road, with any listed stipulations.

J. PER #26-42 – LCEC Aerial Crossing Bald Eagle Canal (57-25-1) at Nimitz Blvd.
Move to approve PER #26-42, LCEC aerial crossing over Bald Eagle Canal (57-25-1) at Nimitz Blvd., with any listed stipulations.

K. PER #26-43 – LCEC Aerial Crossing Sandhill Canal (57-27-1) at Nimitz Blvd.
Move to approve PER #26-43, LCEC aerial crossing over Sandhill Canal (57-27-1) at Nimitz Blvd., with any listed stipulations.

L. PER #26-46 – LCEC Aerial Crossing Moorhen Canal (57-3-4) at Sentinella Blvd.
Move to approve PER #26-46, LCEC aerial crossing over Moorhen Canal (57-3-4) at Sentinella Blvd., with any listed stipulations.

M. PER #26-47 – LCEC Aerial Crossing Sandhill Canal (57-2-7) at Sentinella Blvd
Move to approve PER #26-47, LCEC aerial crossing over Sandhill Canal (57-2-7) at Sentinella Blvd., with any listed stipulations.

N. PER #26-48 – LCEC Aerial Crossing Osprey Canal (57-3-1) at Bell Blvd. S.
Move to approve PER #26-48, LCEC aerial crossing over Osprey Canal (57-3-1) at Bell Blvd., with any listed stipulations.

O. PER #26-49 – LCEC Aerial Crossing Anhinga Canal (57-10-1) at Bell Blvd. S.
Move to approve PER # 26-49, LCEC aerial crossing over Anhinga Canal (57-10-1) at Bell Blvd., with any listed stipulations.

P. PER #26-50 – LCEC Aerial Crossing George Canal (47-21-1) at Richmond Ave. N.
Move to approve PER #26-50, LCEC aerial crossing over George Canal (47-21-1) at Richmond Ave., with any listed stipulations.

Q. PER #26-54 – Lumos Bore under King Canal (47-3-6) at Joel Blvd.
Move to approve PER # 26-54, Lumos Bore under King Canal (47-3-6) at Joel Blvd., with any listed stipulations.

R. PER #26-55 – Lumos Bore under Rattlebox Canal (47-3-4) at Ocean Park Dr.
Move to approve PER # 26-55, Lumos Bore under Rattlebox, Canal (47-3-4) at Ocean Park Dr., with any listed stipulations.

S. PER #26-61 – 7 Brew Coffee – 1209 Homestead Rd. N.
Move to approve PER # 26-61, 7 Brew Coffee, with any listed stipulations.

3. ACTION AGENDA

A. Good Cause

None.

B. CRAS Proposal - Theresa Scrober, LLC

District Manager Dave Lindsay gave an overview. Theresa Schrober introduced herself and gave an overview of her background. Discussion ensued.

- *Move to approve the proposal by Theresa Scrober for $7,000 to provide a Cultural Resources Assessment Survey (CRAS) of the Leeland Bottomless Lake parcel. As we move forward with an interpretive building or park, the CRAS will need to be done.*
  - *Commissioner Thompson moved*
  - *Commissioner Deetscreek seconded*
- *Motion was unanimously approved.*

C. FP&L Easement & PER #26-56 – 2 Parallel 230kV Transmission Lines along Carlos Waterway & Hendry Canal R/W

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

- *Move to approve the FP&L Easement & PER #26-56 – 2 Parallel 230kV Transmission Lines along Carlos Waterway & Hendry Canal R/W, and accept the $600,750 payment in the following increments: $445,860 for the permit, to be deposited into the capital replacement fund, $104,140 for the easement, to be deposited into the capital projects fund and $50,750 for the spoil, to be deposited into the sign fund.*
  - *Commissioner Deetscreek moved*
  - *Commissioner Hollingsworth seconded*
- *Motion was unanimously approved.*

4. DISCUSSION AGENDA

A. Old Business

1. **2026 Legislative Appropriation**
   District Manager Dave Lindsay gave an update on the special session.

2. **Leeland Bottomless Lake Building**
   District Manager Dave Lindsay gave an update on the progress. Daniel Schroeder added details related to the potential building plans.

3. **Manager Replacement Strategy and Schedule**
   District Manager Dave Lindsay gave an overview of what the succession plan contained. Discussion ensued as to how to create a timeline for replacement. The board requested a timeline at next month's meeting and draft position advertisement.

B. New Business

None.

C. Commissioner's Request

Commissioner Hoover inquired about the suggestion box usage, the start of mowing season, and the banners on the streetlights on Homestead Road. Derek Felder provided some information regarding the streetlighting committee to assist the board. Commissioner Thompson thanked the board for their flexibility in changing the meeting time for the last few months. Commissioner Hollingsworth brought up her security concerns regarding the sinkhole property and upcoming archeological research.

D. Engineer's Report

Report is in the packet. Daniel Schroeder gave project updates on CREST and Frank Mann Preserve.

E. Attorney's Report

Report is in the packet. District Attorney Seth Behn gave an update on ongoing projects and legislation to be watching during the special session.

F. Staff and Financial Report

Report is in the packet.

G. Treasurer's Report

Report is in the packet.

H. Secretary's Report

None.

6. ADJOURNMENT

Motion to adjourn was made by Commissioner Hollingsworth. Seconded by Commissioner Hoover. All in favor. Meeting adjourned at 7:34 P.M.

Reviewed by: _____
Secretary, David Deetscreek

ADOPTED ON: May 18, 2026 _____
Chair, Michael Bonacolta

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

AGENDA ITEM SUMMARY

Subject: PER #26-14, El Car Wash – 2701 Lee Blvd.

Meeting Date: May 18, 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 #26-14, El Car Wash, with any listed stipulations.

What the action accomplishes: Allows El Car Wash to develop a Commercial parcel with a stormwater system meets the District's 30 CSM discharge limit.

Fiscal Impact: Permit Fees: $1,500.00

Staff comments: Approved according to the revised plans & calculations submitted April 27, 2026.

Staff review and recommended approval:

[x] **MANAGER** [x] **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 18th day of May, 2026, by Lehigh Acres Municipal Services Improvement District (hereinafter referred to as "DISTRICT"), 601 East County Lane, Lehigh Acres, Florida 33936, to El Car Wash, 2753 Northwest 87th Ave., Doral, FL 33172, hereinafter referred to as the "Permittee") as a non-exclusive permit for a proposed automatic car wash on (1.02 +/- acres), located at 2701 Lee Blvd., with an on-site infiltration/exfiltration system with an emergency overland discharge to the existing drainage ditches along Elva Ave. N. and 4th Street W., 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. 26-14

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 #26-14 is approved according to the revised plans and calculations submitted April 27th, 2026.

2). Maintenance of the entire on-site storm water management system, including the aboveground infiltration basins, the underground exfiltration trenches and all perimeter berms are the responsibility of the Permittee.

3). A permanent benchmark disc should be established on or near the proposed FDOT storm manhole in the southeast corner of the site, with the elevation and referenced datum clearly labeled on it.

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

5). Please provide Lehigh Acres - MSID with copies of all applicable permits from other governing agencies prior to commencing construction.

PART I

DATE SUBMITTED: 01 - 12 - 26

PERMIT #: 26 - 14

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: Michael Pannell **PHONE #:** (813) 793-2200

PROJECT NAME: El Car Wash - Lehigh Acres

TOTAL ACREAGE: 1.02 Acres

Property Address (STRAP associated with this address will be used as the primary STRAP for this project): 2544260500063.0100 & 25442605000263.0120					
Mailing Address:	**2701 Lee Blvd**				
City:	**Lehigh Acres**	**State:**	**Florida**	**Zip:**	**33971**

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

25	-	44	-	26	-	05	-	0	0	0	6	3	-	0	1	0	0		
25	-	44	-	26	-	05	-	0	0	0	6	3	-	0	1	2	0		

Brief description of proposed project:

Application for: The subject property is designated 25-44-26-05-00063.0010 & 25-44-26-05-00063.00120, located at 2701 Lee Boulevard & 2700 4th Street West and is comprised of ± 1.02 acres. The project will include the construction of an automatic car wash with associated vacuum facilities. Additional site improvements will include parking, lighting, stormwater conveyance, landscaping, and utility connections.

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

Estimated # of Phases:	1	
***Permit Fee:**	$ $1,500.00	**(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	El Car Wash						
Mailing Address:	Street:	2753 Northwest 87th Ave					
City:	Doral	State:	Florida		Zip:	33172	
Phone No.	Area Code:	404	Number:	805-0797	Ext.		
Fax No.	Area Code:		Number:	-			
E-mail Address:	Alexq@elcarwash.com						

B. Relationship of applicant to property*:

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

☒ Contract Purchaser* ☐ Other (indicate)* _____

C.

Name of Developer:	El Car Wash					
Mailing Address:	Street:	2753 Northwest 87th Ave				
City:	Doral	State:	Florida		Zip:	33172
Phone No.	Area Code:	(404)	Number:	805-0797	Ext.	
Fax No.	Area Code:	( )	Number:	-		
E-mail Address:	Alexq@elcarwash.com					

D.

Name of Authorized Agent(s):	James Kinosian & Michael Pannell					
Mailing Address:	Street:	400 N Ashley Drive, Suite 1950				
City:	Tampa	State:	Florida		Zip:	33602
Phone No.	Area Code:	(813)	Number:	793-2200	Ext.	
Fax No.	Area Code:	( )	Number:	-		
E-mail Address:	jkinosian@stonefieldeng.com & mpannell@stonefieldeng.com					

E.

Name of Property Owner:	Gendron Group Holdings of Lehigh Acres, LLC					
Mailing Address:	Street:	2325 E Mall Drive				
City:	Fort Myers	State:	Florida		Zip:	33901
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: 25-44-26-05-00063-0100

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
Gendron Group Holdings of Lehigh Acres, LLC 2325 E Mall Drive, Fort Myers, FL 33901	100%

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
El Car Wash 2753 Northwest 87th Ave, Doral, FL 33172	100%

Date of Contract (mm/dd/yy): **07/22/2025**

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 Gerdom

PRINTED OR TYPED NAME OF APPLICANT

STATE OF FLORIDA
COUNTY OF LEE

The foregoing instrument was acknowledged before me this 19th day of November (m), 2025 (y), by Michael Gerdom who is personally know to me or has produced _____ as identification.

AMI ELIZABETH MCKINNEY
Notary Public - State of Florida
Commission # HH 393019
My Comm. Expires Jul 16, 2027
Bonded through National Notary Assn.

Ami McKinney

SIGNATURE OF NOTARY PUBLIC

Ami McKinney

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:	James Kinosian (Stonefield Engineering & Design)						
Mailing Address:	400 N Ashley Drive, Suite 1950						
City:	Tampa	State:	Florida			Zip:	33602
Business No.	Area Code:	(813)	Number:	793-2200		Ext.	
Other Contact:	Michael Pannell - mpannell@stonefieldeng.com						

OTHER REPRESENTATIVE/PROFESSIONAL

Name:							
Mailing Address:							
City:		State:				Zip:	
Business No.	Area Code:	( )	Number:	-		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).
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):** 7,775 CF (ACRE-FT) **Water Quality Volume (Provided):** 7,779 CF (ACRE-FT) **Control Elevation:** 24.50 (FT-NGVD) **Minimum Road/Parking Elevation:** 23.85 (FT-NGVD) *(above the 10-year, 1-day design storm peak stage elevation)* **Minimum Perimeter Berm Elevation:** 24.57 (FT-NGVD) *(above the 25-year, 3-day design storm peak stage elevation)* **Minimum Finished Floor Elevation:** 26.00 (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)
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.

STONEFIELD

January 07, 2026

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

RE: MSID Permit Application
El Car Wash – Lehigh Acres
Strap ID: 25-44-26-05-00063.0100 & 25-44-26-05-00063.0120
2701 Lee Boulevard & 2700 4th Street West
Lehigh Acres, FL 33971

Stonefield Engineering & Design is pleased to submit documents on behalf of the contract purchaser, the property owner El Car Wash, for Lehigh Acres Municipal Services Improvement District approval and permit for the above referenced property. The subject property is designated 25-44-26-05-00063.0010 & 25-44-26-05-00063.00120, located at 2701 Lee Boulevard & 2700 4th Street West and is comprised of ± 1.02 acres. The project will include the construction of an automatic car wash with associated vacuum facilities. Additional site improvements will include parking, lighting, stormwater conveyance, landscaping, and utility connections. Access to the lot is available through separate ingress only and egress only driveways to along 4th Street West.

ITEM DESCRIPTION	*DATED*	*COPIES*	*PREPARED BY*
Site Development Plan	11-26-2025	2	Stonefield Engineering & Design
Stormwater Report	11-26-2025	2	Stonefield Engineering & Design
MSID Application	11-19-2025	2	Gendron Group Holdings of Lehigh Acres
FDEP 10-2 Certification	08-26-2025	2	Stonefield Engineering & Design
Flash Drive	01-07-2026	2	Stonefield Engineering & Design

Please contact our office if you have any questions or comments regarding this submission.

Best Regards,

James Kinosian, PE
Stonefield Engineering and Design, LLC

Michael Pannell, PE
Stonefield Engineering and Design, LLC

Via Electronic Submission
Z:\Tampa\TAM\2025\TAM-250036 El Car Wash - 2701 Lee Boulevard, Lehigh Acres, FL\Correspondence\Outgoing\MSID\2026-01-07_ MSID Submission Cover.docx

STONEFIELD

April 22, 2026

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

RE: MSID Permit Application
El Car Wash – Lehigh Acres
Strap ID: 25-44-26-05-00063.0100 & 25-44-26-05-00063.0120
2701 Lee Boulevard & 2700 4th Street West
Lehigh Acres, FL 33971

County Staff:

Our office is submitting documents on behalf of the Applicant to address the outstanding comments contained with the latest County Staff review comments. Please find the following items enclosed:

ITEM DESCRIPTION	DATED	COPIES	PREPARED BY
Site Development Plans	04-22-2026	2	Stonefield Engineering & Design
Stormwater Report	04-22-2026	2	Stonefield Engineering & Design
Flash Drive	04-22-2026	2	Stonefield Engineering & Design

The following is an itemized response to the comments contained within the Lehigh Acres MSID Review Letter dated January 22, 2026. For the sake of brevity, any comments that are statements of fact or have been previously addressed are not included in the response below:

Engineering

1. *Provide calculations for 100 year – 3 day storm stage elevation to determine the minimum finished floor elevation and 10 year – 1 day storm stage elevation to determine the minimum road/parking elevation in the stormwater report. A nearby development (Tires Plus) modeling produced FFE f 27.6 NAVD. Required grading adjustments due to anticipated higher design elevations may limit the ability to propose a full detention stormwater design.*

   The *Stormwater Report* has added section 5.4 (pdf page 11) that shows compliance with the minimum finished floor and parking lot elevations. The corresponding hydrographs are located in Appendix D-4 and D-5(pdf pages 103-123). The Table has also been added to the Grading Plan (C-5) of the *Site Development Plans*.

2. *Roadside drainage from the proposed roadside drainage ditches on the stormwater management appears to have no outfall point. Please clarify where the roadside drainage has a positive outfall.*

   The proposed Type C Grate Bubble Up Outfall Structure has been identified on the Stormwater Plan (C-6) of the *Site Development Plans*. The outfall design was directed by the Lee County Department of Transportation.

3. *Paving and milling to roadway requires a Lee County Department of Transportation (LCDOT) permit.*

   A Lee County Department of Transportation permit will be provided upon approval. Currently the project is awaiting Development Order approval prior to being able to apply for the requested permit.

Environmental

1. *The wet season water table of 18.5' NAVD appears to be too low. At minimum we feel it should be raised to 19.5' NAVD and note several surrounding sites have gone as high as 21.50' NAVD.*

   Based on discussion with the Geotechnical Engineer, our team is in agreement that the wet season table is to be raised to 19.5'. The *Site Development Plans* and *Stormwater Report* have been updated to reflect the wet season elevation change.

Should you have any questions regarding the submission items or responses above please do not hesitate to contact our office.

Regards,

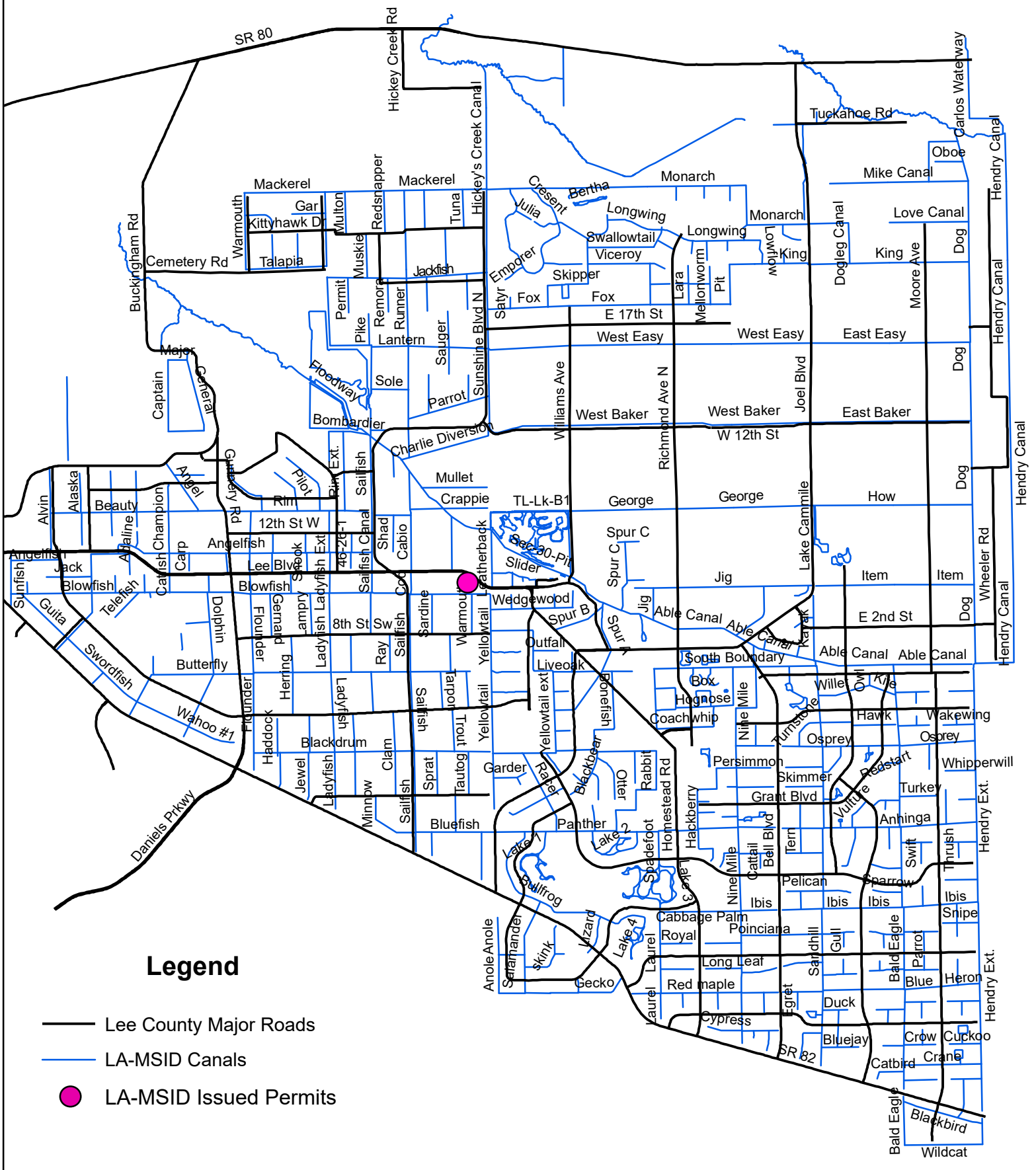
James Kinosian, PE
Stonefield Engineering and Design, LLC

Michael Pannell, PE
Stonefield Engineering and Design, LLC

Via Electronic

Z:\Tampa\TAM\2025\TAM-250036 El Car Wash - 2701 Lee Boulevard, Lehigh Acres, FL\Correspondence\Outgoing\MSID\2026-04-22_MSID Comment Response Letter.docx

Permit # 2026-14



Legend

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

SITE DEVELOPMENT PLANS

FOR

LEHIGH ACRES
PROPOSED CARWASH

PARCEL ID: 2544260500063.0100 & 2544260500063.0120

2701 LEE BOULEVARD & 2700 4TH STREET WEST

UNINCORPORATED LEE COUNTY, LEE COUNTY, FLORIDA 33971



SOURCE: USGS TOPOGRAPHIC QUADRANGLE MAP, 7.5 MINUTE SERIES, FLORIDA, DATED 2025

LOCATION / KEY MAP

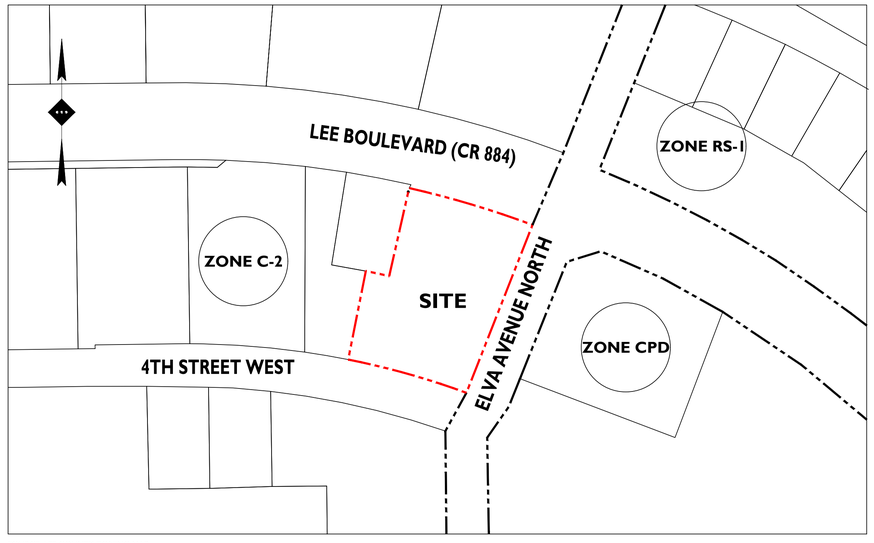
SCALE: 1" = 1,000'±



SOURCE: FDOT LABINS AERIAL

AERIAL MAP

SCALE: 1" = 200'±



SOURCE: LEE COUNTY ZONING MAP

ZONING MAP

SCALE: 1" = 100'±

OWNER

GENDRON GROUP HOLDINGS OF LEHIGH ACRES, LLC
2325 E MALL DRIVE
FORT MYERS, FL 33901

APPLICANT/CONTRACT PURCHASER

EL CAR WASH
2753 NORTHWEST 87TH AVENUE
DORAL, FLORIDA 33172
(404) 805-0797
ALEXQ@ELCARWASH.COM

ARCHITECT

OA ARCHITECTURE
1235 CORAL WAY, SUITE 101
MIAMI, FLORIDA 33145
(305) 595-3095

SURVEYOR

GALLDO GROUP INC.
5237 SUMMERLIN COMMONS BLVD, SUITE 411
FORT MYERS, FL 33907
(833) 425-5363
SURVEYING@GALLDO.COM

UTILITY COMPANIES:

COMCAST
10600 TAMIAMI TRAIL #604
NAPLES, FL 34108
(800) 266-2278

LEE COUNTY ELECTRIC COOPERATIVE IC,
4980 BAYLINE DRIVE
NORTH FORT MYERS, FL 33917
(239) 656-2296

FLORIDA GOVERNMENTAL UTILITIES AUTHORITY
280 WEKIVA SPRINGS ROAD, SUITE 2070
LONGWOOD, FL 32779
(239) 574-0854

CENTURY LINK (TELEPHONE)
PO BOX 1370
FORT MYERS, FL 33901
(239) 574-0854

TECO / PEOPLES GAS
5901 ENTERPRISE PARKWAY
FORT MYERS, FL 33905
(239) 690-5507

FIRE DISTRICT
LEHIGH ACRES

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

PLANS PREPARED BY:

STONEFIELD engineering & design

Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com

Rivergate Tower, 400 N Ashley Drive, Suite 1950, Tampa, FL 33602
Phone 813.792.2200

PLAN REFERENCE MATERIALS:

1. THIS PLAN SET REFERENCES THE FOLLOWING DOCUMENTS INCLUDING, BUT NOT LIMITED TO:
   - TOPOGRAPHIC SURVEY PREPARED BY GALLDO GROUND INC, DATED OCTOBER 30, 2025.
   - ARCHITECTURAL PLANS PREPARED BY OA ARCHITECTURE.
   - REPORT OF GEOTECHNICAL INVESTIGATION PREPARED BY ECS FLORIDA, LLC DATED APRIL 17, 2025.
   - TAX & ZONING MAP OBTAIN FROM LEE COUNTY ZONING MAP OBTAIN JULY 7, 2025.
   - AERIAL MAP OBTAIN FROM FDOT LABINS AERIAL ON JULY 3, 2025.
   - LOCATION MAP OBTAINED FROM UNITED STATE GEOLOGICAL SURVEY QUANDRANGLES, 7.5 SERIES, FLORIDA DATED 2025.
   - TRAFFIC IMPACT STATEMENT OBTAINED FROM HBC ENGINEERING COMPANY ON JULY 25, 2025.
2. ALL REFERENCE MATERIAL LISTED ABOVE SHALL BE CONSIDERED A PART OF THIS PLAN SET AND ALL INFORMATION CONTAINED WITHIN THESE MATERIALS SHALL BE UTILIZED IN CONJUNCTION WITH THIS PLAN SET. THE CONTRACTOR IS RESPONSIBLE TO OBTAIN A COPY OF EACH REFERENCE AND REVIEW IT THOROUGHLY PRIOR TO THE START OF CONSTRUCTION.

SHEET INDEX

DRAWING TITLE	SHEET #
COVER SHEET	C-1
EXISTING CONDITIONS PLAN	C-2
DEMOLITION PLAN & SOIL EROSION & SEDIMENT CONTROL PHASE I PLAN	C-3
SITE PLAN	C-4
GRADING PLAN	C-5
STORMWATER MANAGEMENT PLAN	C-6
UTILITY PLAN	C-7
LIGHTING PLAN	C-8
SOIL EROSION & SEDIMENT CONTROL PHASE II PLAN	C-9
DEMOLITION & SOIL EROSION & SEDIMENT CONTROL NOTES & DETAILS	C-10
LANDSCAPING PLAN	C-11
LANDSCAPING PLAN NOTES & DETAILS	C-12
IRRIGATION PLAN	C-13
IRRIGATION PLAN NOTES & DETAILS	C-14
CONSTRUCTION DETAILS	C-15 TO C-23
CROSS SECTIONS	C-24 TO C-28
RIGHT-OF-WAY IMPROVEMENTS GRADING	C-29
DRAINAGE AREA MAPS	C-30 TO C32

ISSUE	DATE	BY	DESCRIPTION
4	11/26/2025	GPG	FOR COUNTY RESUBMISSION - DOT
3	08/14/2025	GPG	FOR COUNTY SUBMISSION
3	07/10/2025	GPG	FOR 90% CLIENT REVIEW
2	06/27/2025	KGR	FOR 60% CLIENT REVIEW
1	06/13/2025	GPG	FOR CLIENT REVIEW

FOR CONSTRUCTION

STONEFIELD engineering & design
Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com
Rivergate Tower, 400 N Ashley Drive, Suite 1950, Tampa, FL 33602
Phone 813.792.2200

SITE DEVELOPMENT PLANS

LEHIGH ACRES
PROPOSED CARWASH
PARCEL ID: 2544260500063.0100 & 2544260500063.0120
2701 LEE BOULEVARD & 2700 4TH STREET WEST
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

JAMES S. KINOSIAN, P.E.
FLORIDA LICENSE No. 86000
LICENSED PROFESSIONAL ENGINEER
FLORIDA BUSINESS CERT. OF AUTH. No. 30078

STONEFIELD engineering & design

SCALE: AS SHOWN | PROJECT ID: TAM-250036

TITLE: COVER SHEET

DRAWING: C-1

Z:\TAMPA\PROJECTS\TAM-250036 EL CAR WASH - 2701 LEE BOULEVARD, LEHIGH ACRES, FL\CAD\PLOT\PLAN_COVER.DWG



SYMBOL / DESCRIPTION

SYMBOL	DESCRIPTION
	GRATE INLET
83'	CONTOUR
x24.82	SPOT ELEVATION
	PROPERTY LINE
	ADJACENT PROPERTY LINE
	CENTER LINE
	CURB LINE
	EXISTING BUILDING
W	WATER LINE
SD	STORM SEWER
	SANITARY SEWER LINE
ELEC	UNDERGROUND ELECTRIC WIRE
	I.R
	CONCRETE MONUMENT
	NAIL
	EXISTING FIRE HYDRANT
	WATER VALVE
	CONCRETE POWER POLE
	POWER POLE
W	WELL
	CATCH BASIN
	BOLLARD
	BENCHMARK
	LAMP POST
D	DRAINAGE MANHOLE
S	SANITARY MANHOLE

SURVEY NOTES:

1. THE SURVEY LISTED WITHIN THE PLAN REFERENCES ON THE COVER SHEET SHALL BE CONSIDERED A PART OF THIS PLAN SET AND ALL INFORMATION CONTAINED WITHIN THE SURVEY AND ASSOCIATED DOCUMENTS SHALL BE LITILIZED IN CONJUNCTION WITH THIS PLAN SET. THE CONTRACTOR IS RESPONSIBLE TO OBTAIN A COPY OF THE SURVEY AND REVIEW IT THOROUGHLY PRIOR TO THE START OF CONSTRUCTION.

20' 0' 20' 40'
GRAPHIC SCALE IN FEET
1" = 20'

ISSUE	DATE	BY	DESCRIPTION
4	11/26/2025	GPG	FOR COUNTY RESUBMISSION - DOT
3	08/14/2025	GPG	FOR COUNTY SUBMISSION
3	07/10/2025	GPG	FOR 90% CLIENT REVIEW
2	06/27/2025	KGR	FOR 60% CLIENT REVIEW
1	06/13/2025	GPG	FOR CLIENT REVIEW

FOR CONSTRUCTION

STONEFIELD engineering & design
Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com
Rivergate Tower, 400 N Ashley Drive, Suite 1950, Tampa, FL 33602
Phone 813.792.2200

SITE DEVELOPMENT PLANS

CAR WASH FLORIDA

LEHIGH ACRES
PROPOSED CARWASH

PARCEL ID: 23-45-26-05-00063.0100 & 23-44-26-05-00063.0120
2701 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

JAMES S. KINOSIAN, P.E.
FLORIDA LICENSE No. 86000
LICENSED PROFESSIONAL ENGINEER
FLORIDA BUSINESS CERT. OF AUTH. No. 30078

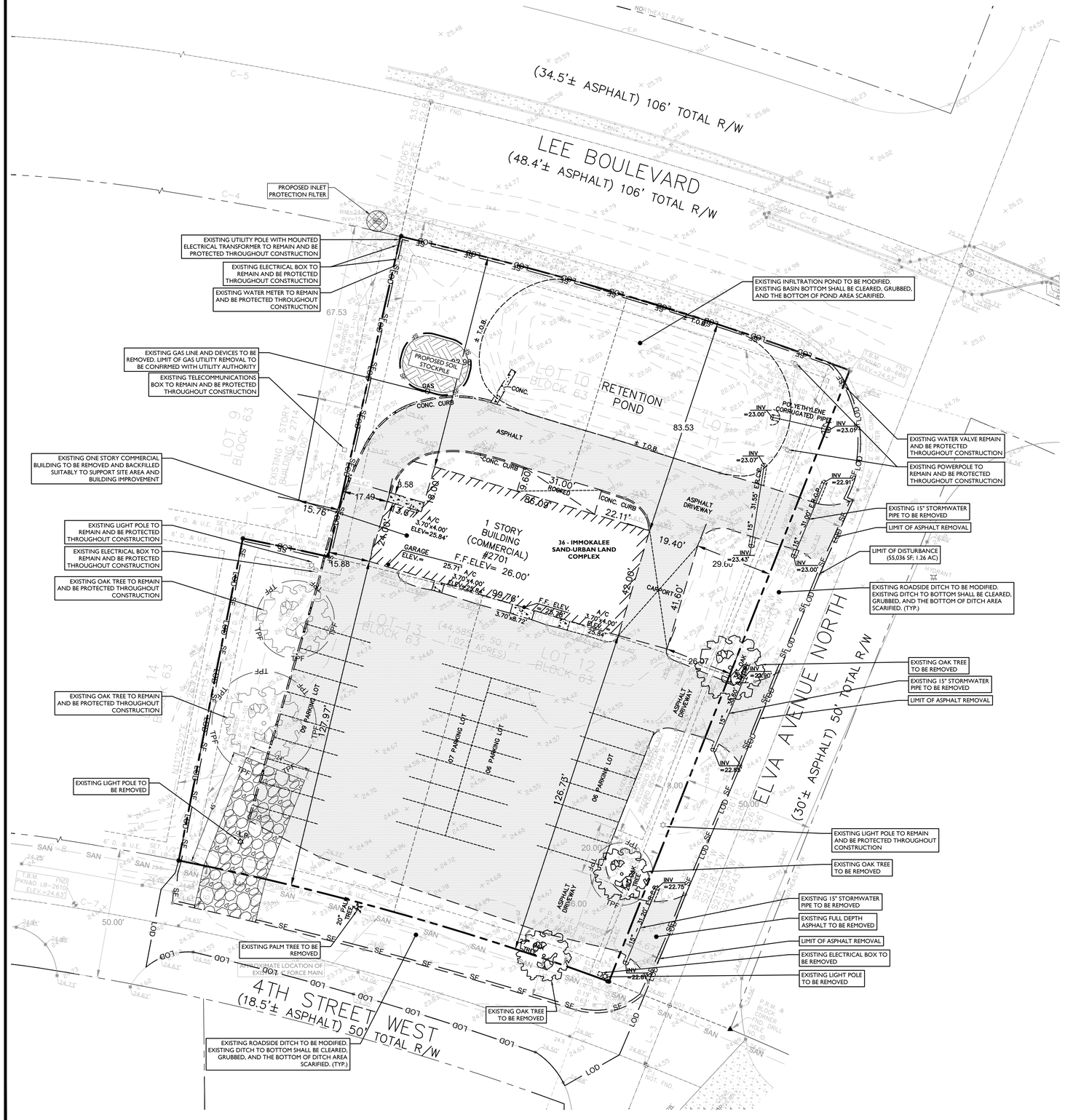
STONEFIELD engineering & design

SCALE: 1" = 20' | PROJECT ID: TAM-250036

TITLE:
EXISTING CONDITIONS PLAN

DRAWING:
C-2

Z:\TAMPA\TAM\2025\TAM-250036 EL CAR WASH - 2701 LEE BOULEVARD, LEHIGH ACRES, FL\CAD\PLOT\TOP-02 EXIST.DWG



SYMBOL	DESCRIPTION
- - - - - -	FEATURE TO BE REMOVED / DEMOLISHED
LOD	LIMIT OF DISTURBANCE
	AREA OF ASPHALT REMOVAL

ALL SITE FEATURES WITHIN THE LIMIT OF DISTURBANCE INDICATED ON THIS PLAN ARE TO BE REMOVED / DEMOLISHED UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL NOTIFY STONEFIELD ENGINEERING & DESIGN, LLC. IF SIGNIFICANT DISCREPANCIES ARE DISCERNED BETWEEN THIS PLAN AND FIELD CONDITIONS

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

DEMOLITION NOTES

1. THE WORK REFLECTED ON THE DEMOLITION PLAN IS TO PROVIDE GENERAL INFORMATION TOWARDS THE EXISTING ITEMS TO BE DEMOLISHED AND/OR REMOVED. THE CONTRACTOR IS RESPONSIBLE TO REVIEW THE ENTIRE PLAN SET AND ASSOCIATED REPORTS/REFERENCE DOCUMENTS INCLUDING ALL DEMOLITION ACTIVITIES AND INCIDENTAL TASKS NECESSARY TO COMPLETE THE SITE IMPROVEMENTS.
2. THE CONTRACTOR IS RESPONSIBLE TO DETERMINE THE MEANS AND METHODS OF DEMOLITION ACTIVITIES.
3. EXPLOSIVES SHALL NOT BE USED UNLESS WRITTEN CONSENT FROM BOTH THE OWNER AND ANY APPLICABLE GOVERNING AGENCY IS OBTAINED. BEFORE THE START OF ANY EXPLOSIVE PROGRAM, THE CONTRACTOR IS RESPONSIBLE TO OBTAIN ALL LOCAL, STATE, AND FEDERAL PERMITS. ADDITIONALLY, THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL SEISMIC TESTING AS REQUIRED AND ANY DAMAGES AS THE RESULT OF SAID DEMOLITION PRACTICES.
4. ALL DEMOLITION ACTIVITIES SHALL BE PERFORMED IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL CODES. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING ALL UTILITIES ARE DISCONNECTED IN ACCORDANCE WITH THE UTILITY AUTHORITY'S REQUIREMENTS PRIOR TO STARTING THE DEMOLITION OF ANY STRUCTURE. ALL EXCAVATIONS ASSOCIATED WITH DEMOLISHED STRUCTURES OR REMOVED TANKS SHALL BE BACKFILLED WITH SUITABLE MATERIAL AND COMPACTED TO SUPPORT SITE AND BUILDING IMPROVEMENTS. A GEOTECHNICAL ENGINEER SHOULD BE PRESENT DURING BACKFILLING ACTIVITIES TO OBSERVE AND CERTIFY THAT BACKFILL MATERIAL WAS COMPACTED TO A SUITABLE CONDITION.
5. DEMOLISHED DEBRIS SHALL NOT BE BURIED ON SITE. ALL WASTE/DEBRIS GENERATED FROM DEMOLITION ACTIVITIES SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REQUIREMENTS. THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN ALL RECORDS OF THE DISPOSAL TO DEMONSTRATE COMPLIANCE WITH THE ABOVE REGULATIONS.

20' 0' 20' 40'
GRAPHIC SCALE IN FEET
1" = 20'

ISSUE	DATE	BY	DESCRIPTION
4	11/26/2025	GPG	FOR COUNTY RESUBMISSION - DOT
3	08/14/2025	GPG	FOR COUNTY SUBMISSION
3	07/10/2025	GPG	FOR 90% CLIENT REVIEW
2	06/27/2025	KGR	FOR 60% CLIENT REVIEW
1	06/13/2025	GPG	FOR CLIENT REVIEW

FOR CONSTRUCTION

STONEFIELD engineering & design
Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com
Rivergate Tower, 400 N Ashley Drive, Suite 1950, Tampa, FL 33602
Phone 813.792.2200

SITE DEVELOPMENT PLANS

CAR WASH FLORIDA

LEHIGH ACRES
PROPOSED CARWASH

PARCEL ID: 25-44-26-A6-06063.0100 & 25-44-26-A6-06063.0120
2701 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

JAMES S. KINOSIAN, P.E.
FLORIDA LICENSE No. 86000
LICENSED PROFESSIONAL ENGINEER
FLORIDA BUSINESS CERT. OF AUTH No. 30078

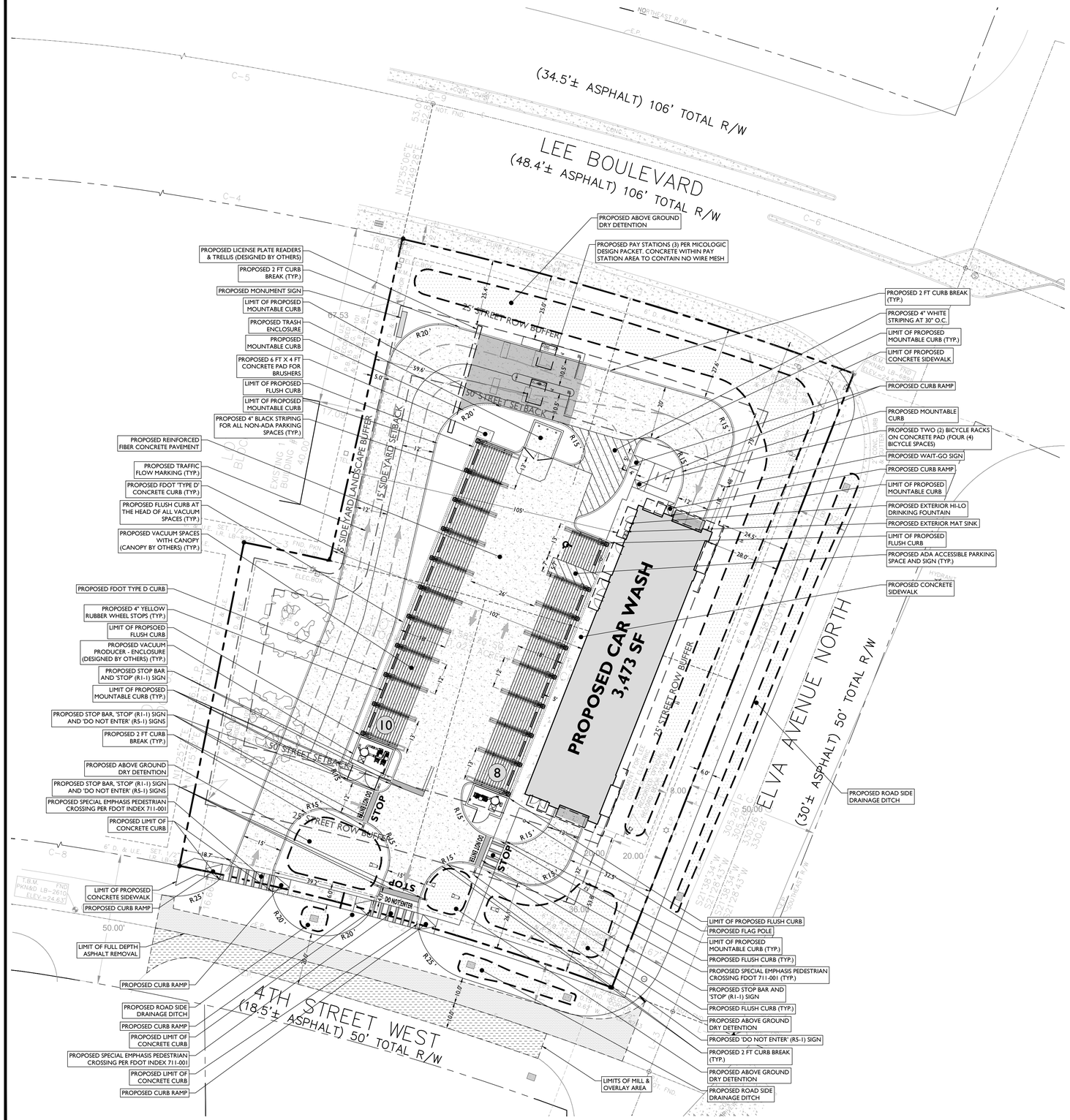
STONEFIELD engineering & design

SCALE: 1" = 20' | PROJECT ID: TAM-250036

TITLE:
DEMOLITION PLAN & SOIL EROSION & SEDIMENT CONTROL PHASE I PLAN

DRAWING:
C-3

Z:\TAM\PROJECTS\2025\TAM-250036 EL CAR WASH - 2701 LEE BOULEVARD, LEHIGH ACRES, FL\CAD\PLOTS\PDF\01-DEMO.DWG



LAND USE AND ZONING

PARCEL ID: 10321305 & 10321306

ZONING: C-2 COMMERCIAL DISTRICT
FUTURE LAND USE: CENTRAL URBAN (FUA)
OVERLAY: LEHIGH ACRES COMMERICAL AREA

PROPOSED USE
CAR WASH — PERMITTED USE

ZONING REQUIREMENT	REQUIRED	PROPOSED
MINIMUM LOT AREA	25,000 SF (0.57 AC)	44,585 SF (1.02 AC)
MINIMUM LOT WIDTH	150 FT	171 FT
MINIMUM LOT DEPTH	150 FT	252 FT
MINIMUM STREET SETBACK (LEE BLVD)	50 FT	75.0 FT (BUILDING) 25.4 FT (PAY STATION) (AV)
MINIMUM STREET SETBACK (4TH STREET WEST)	50 FT	53.8 FT
MINIMUM STREET SETBACK (ELVA AVENUE NORTH)	25 FT	28.0 FT (BUILDING) 24.5 FT (CANOPY) (*)
MINIMUM SIDE YARD SETBACK	15 FT	59.6 FT
MAXIMUM BUILDING HEIGHT	135 FT	35 FT
MINIMUM LANDSCAPE BUFFER (LEE BOULEVARD)	25 FT	25.0 FT
MINIMUM LANDSCAPE BUFFER (4TH STREET WEST)	25 FT	26.1 FT
MINIMUM LANDSCAPE BUFFER (ELVA AVENUE NORTH)	25 FT	28.0 FT
MINIMUM SIDE YARD LANDSCAPE BUFFER	5 FT	5.0 FT
MINIMUM OPEN SPACE	10.0% (4,459 SF)	44.2% (19,705 SF)

(AV) ADMINISTRATIVE VARIANCE
(*) PER LEE COUNTY ORDINANCE SECTION 34-2191 (2) THE OVERHANG MAY EXTEND 3 FT INTO THE SETBACK

OFF-STREET PARKING REQUIREMENTS

CODE SECTION	REQUIRED	PROPOSED
§ 34.7.26.2020.b	CAR WASH = 1.5 SPACE PER SERVICE STALL 1 STALL = 2 SPACES 1 STACKING SPACE PER SERVICE STALL OR 5 CARS 1 STALL = 5 CARS	**18 SPACES** **21 CARS**
§ 34.7.26.2020	STACKING UNIT DIMENSIONS: 9 FT X 18 FT	9 FT X 18 FT
§ 34.7.26.2016.1.B.1	90° PARKING 9 FT X 18 FT WITH 24 FT AISLE	12 FT X 18 FT WITH 26 FT AISLE
§ 10-610.3.A.1	BICYCLE PARKING - NUMBER OF SPACES MINIMUM OF TWO (2) BICYCLE SPACES	4 SPACES
§ 10-610.3.B.1	BICYCLE RACK HEIGHT: MINIMUM HEIGHT OF THE BICYCLE RACK SHALL BE 36"	COMPLIES
§ 10-610.3.B.2	BICYCLE RACK BUILDING SEPARATION BICYCLE PARKING SPACES MUST BE WITHIN 100 FT FROM THE BUILDING ENTRANCE	12 FT

ADMINISTRATIVE VARIANCE REQUESTS

CODE SECTION	REQUIRED	PROPOSED
§ 34-1353.(D)(1)	50 FT STREET SETBACK	REDUCTION OF 50 FT STREET SETBACK TO 25 FT ALONG LEE BOULEVARD TO MATCH THE 25 FT STREET RIGHT-OF-WAY BUFFER
§ 10-285	INTERCONNECTION TO NEIGHBORING COMMERCIAL PROPERTY	NO INTERCONNECTION IS TO BE PROPOSED TO NEIGHBORING SITE IS UNAVOIDABLE
§ 10-285(A)	DRIVEWAY SEPARATION OF 125 FT	INSUFFICIENT FRONTAGE AND NOT DIRECT ACCESS FROM LEE BOULEVARD IS PROPOSED.
§ 10-296	DRIVEWAY 35 FT RADII	THE TYPE OF VEHICLE PROPOSED THROUGH THIS SITE WILL BE ABLE TO ACCOMMODATE THE MINIMUM RADII OF 20 FT

SYMBOL / DESCRIPTION

- PROPERTY LINE
- SETBACK LINE
- SAWCUT LINE
- PROPOSED CURB
- PROPOSED FLUSH CURB
- PROPOSED MOUNTABLE CURB
- PROPOSED SIGNS / BOLLARDS
- PROPOSED BUILDING
- PROPOSED REINFORCED FIBER MESH CONCRETE
- PROPOSED NON-REINFORCED FIBER MESH CONCRETE
- PROPOSED AREA LIGHT
- PROPOSED BUILDING DOORS

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY AND FAMILIARIZE THEMSELVES WITH THE EXISTING SITE CONDITIONS AND THE PROPOSED SCOPE OF WORK (INCLUDING DIMENSIONS, LAYOUT, ETC.) PRIOR TO INITIATING THE IMPROVEMENTS IDENTIFIED WITHIN THESE DOCUMENTS. SHOULD ANY DISCREPANCY BE FOUND BETWEEN THE EXISTING SITE CONDITIONS AND THE PROPOSED WORK THE CONTRACTOR SHALL NOTIFY STONEFIELD ENGINEERING & DESIGN, LLC. PRIOR TO THE START OF CONSTRUCTION.
2. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND ENSURE THAT ALL REQUIRED APPROVALS HAVE BEEN OBTAINED PRIOR TO THE START OF CONSTRUCTION. COPIES OF ALL REQUIRED PERMITS AND APPROVALS SHALL BE KEPT ON SITE AT ALL TIMES DURING CONSTRUCTION.
3. ALL CONTRACTORS WILL, TO THE FULLEST EXTENT PERMITTED BY LAW, INDEMNIFY AND HOLD HARMLESS STONEFIELD ENGINEERING & DESIGN, LLC. AND ITS SUB-CONSULTANTS FROM AND AGAINST ANY DAMAGES AND LIABILITIES INCLUDING ATTORNEY'S FEES ARISING OUT OF CLAIMS BY EMPLOYEES OF THE CONTRACTOR IN ADDITION TO CLAIMS CONNECTED TO THE PROJECT AS A RESULT OF NOT CARRYING THE PROPER INSURANCE FOR WORKERS COMPENSATION, LIABILITY INSURANCE, AND LIMITS OF COMMERCIAL GENERAL LIABILITY INSURANCE.
4. THE CONTRACTOR SHALL NOT DEVIATE FROM THE PROPOSED IMPROVEMENTS IDENTIFIED WITHIN THIS PLAN SET UNLESS APPROVAL IS PROVIDED IN WRITING BY STONEFIELD ENGINEERING & DESIGN, LLC.
5. THE CONTRACTOR IS RESPONSIBLE TO DETERMINE THE MEANS AND METHODS OF CONSTRUCTION.
6. THE CONTRACTOR SHALL NOT PERFORM ANY WORK OR CAUSE DISTURBANCE ON A PRIVATE PROPERTY NOT CONTROLLED BY THE PERSON OR ENTITY WHO HAS AUTHORIZED THE WORK WITHOUT PRIOR WRITTEN CONSENT FROM THE OWNER OF THE PRIVATE PROPERTY.
7. THE CONTRACTOR IS RESPONSIBLE TO RESTORE ANY DAMAGED OR UNDERMINED STRUCTURE OR SITE FEATURE THAT IS IDENTIFIED TO REMAIN ON THE PLAN SET. ALL REPAIRS SHALL USE NEW MATERIALS TO RESTORE THE FEATURE TO ITS EXISTING CONDITION AT THE CONTRACTORS EXPENSE.
8. CONTRACTOR IS RESPONSIBLE TO PROVIDE THE APPROPRIATE SHOP DRAWINGS, PRODUCT DATA, AND OTHER REQUIRED SUBMITTALS FOR REVIEW. STONEFIELD ENGINEERING & DESIGN, LLC. WILL REVIEW THE SUBMITTALS IN ACCORDANCE WITH THE DESIGN INTENT AS REFLECTED WITHIN THE PLAN SET.
9. THE CONTRACTOR IS RESPONSIBLE FOR TRAFFIC CONTROL IN ACCORDANCE WITH MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
10. THE CONTRACTOR IS REQUIRED TO PERFORM ALL WORK IN THE PUBLIC RIGHT-OF-WAY IN ACCORDANCE WITH THE APPROPRIATE GOVERNING AUTHORITY AND SHALL BE RESPONSIBLE FOR THE PROCUREMENT OF STREET OPENING PERMITS.
11. THE CONTRACTOR IS REQUIRED TO RETAIN AN OSHA CERTIFIED SAFETY INSPECTOR TO BE PRESENT ON SITE AT ALL TIMES DURING CONSTRUCTION & DEMOLITION ACTIVITIES.
12. SHOULD AN EMPLOYEE OF STONEFIELD ENGINEERING & DESIGN, LLC. BE PRESENT ON SITE AT ANY TIME DURING CONSTRUCTION, IT DOES NOT RELIEVE THE CONTRACTOR OF ANY OF THE RESPONSIBILITIES AND REQUIREMENTS LISTED IN THE NOTES WITHIN THIS PLAN SET.

LEE COUNTY NOTES

1. AN AVERAGE DEPTH FOR CUT FOR MILLING AND RESURFACING THE COUNTY ROW IS ONE AND A HALF INCHES (1.5"). HOWEVER, DEPENDING UPON THE CONDITIONS OF THE ROADWAY, A GREATER CUT DEPTH MAY BE REQUIRED AT THE PERMITTEE'S SOLE EXPENSE. PRIOR TO MILLING, ASPHALT CORES MUST BE TAKEN AND THE MILLING DEPTH MUST BE AGREED UPON BY LCDOT.

20' 0' 20' 40'
GRAPHIC SCALE IN FEET
1" = 20'

ISSUE	DATE	BY	DESCRIPTION
4	11/26/2025	GPG	FOR COUNTY RESUBMISSION - DOT
3	08/14/2025	GPG	FOR COUNTY SUBMISSION
3	07/10/2025	GPG	FOR 90% CLIENT REVIEW
2	06/27/2025	KGR	FOR 60% CLIENT REVIEW
1	06/13/2025	GPG	FOR CLIENT REVIEW

FOR CONSTRUCTION

STONEFIELD engineering & design
Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com
Rivergate Tower, 400 N Ashley Drive, Suite 1950, Tampa, FL 33602
Phone 813.792.2200

SITE DEVELOPMENT PLANS

CAR WASH NATION

LEHIGH ACRES
PROPOSED CARWASH

PARCEL ID: 23-45-26-00063.0100 & 25-44-26-00063.0120
2701 LEE BOULEVARD, LEHIGH ACRES
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

JAMES S. KINOSIAN, P.E.
FLORIDA LICENSE No. 86000
LICENSED PROFESSIONAL ENGINEER
FLORIDA BUSINESS CERT. OF AUTH. No. 30078

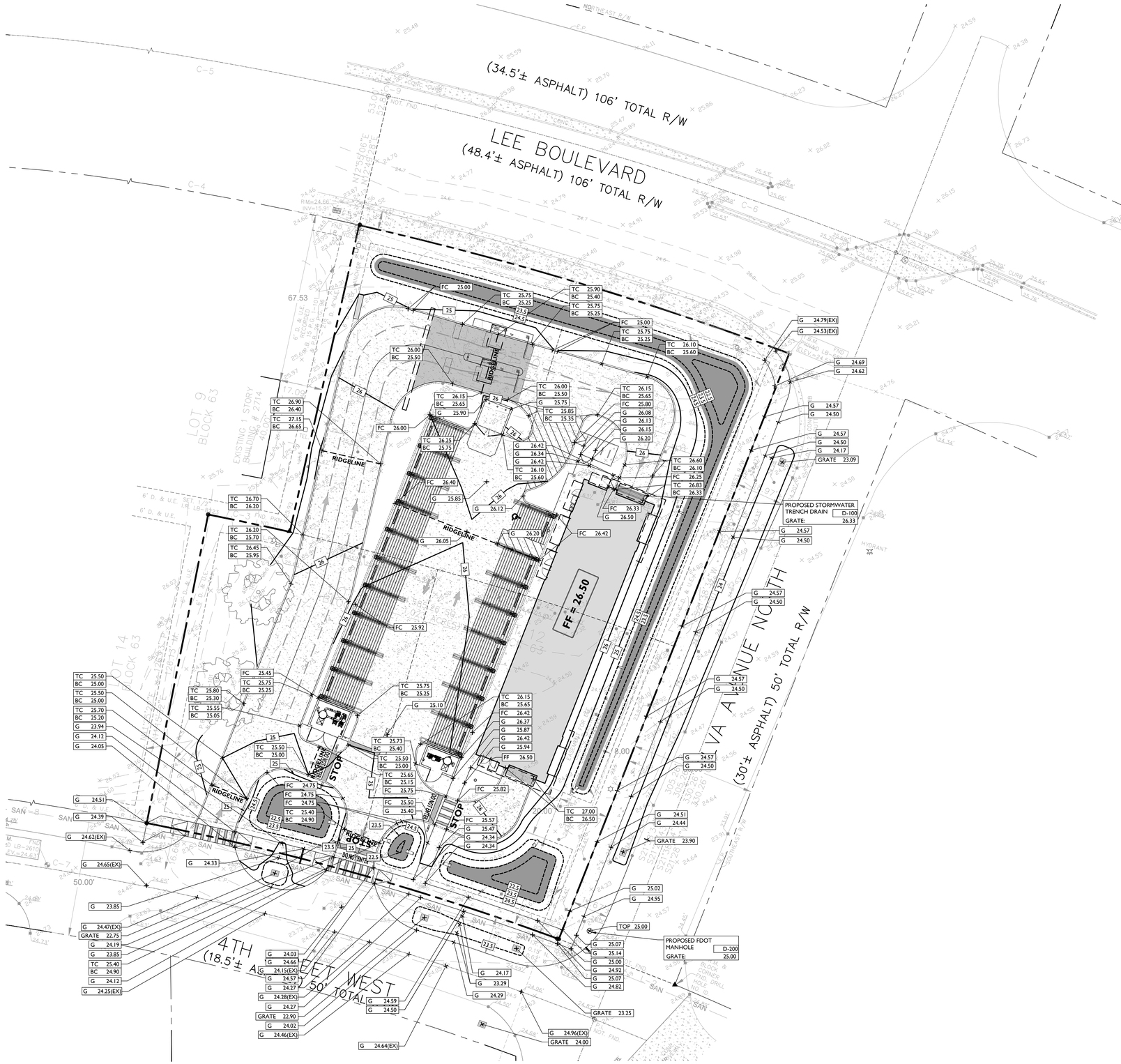
STONEFIELD engineering & design

SCALE: 1" = 20' | PROJECT ID: TAM-250036

TITLE: **SITE PLAN**

DRAWING: **C-4**

Z:\TAMPA\TAM\2025\TAM-250036 EL CAR WASH - 2701 LEE BOULEVARD, LEHIGH ACRES, FL\CAD\PLOT\TOP-M-SITE.DWG



SYMBOL / DESCRIPTION

SYMBOL	DESCRIPTION
	PROPERTY LINE
100	PROPOSED GRADING CONTOUR
RIDGELINE	PROPOSED GRADING RIDGELINE
	PROPOSED DIRECTION OF DRAINAGE FLOW
G 100.00	PROPOSED GRADE SPOT SHOT
TC 100.50 / BC 100.00	PROPOSED TOP OF CURB / BOTTOM OF CURB SPOT SHOT
FC 100.00	PROPOSED FLUSH CURB SPOT SHOT

GRADING NOTES

1. ALL SOIL AND MATERIAL REMOVED FROM THE SITE SHALL BE DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REQUIREMENTS. ANY GROUNDWATER DE-WATERING PRACTICES SHALL BE PERFORMED UNDER THE SUPERVISION OF A QUALIFIED PROFESSIONAL. THE CONTRACTOR IS REQUIRED TO OBTAIN ALL NECESSARY PERMITS FOR THE DISCHARGE OF DE-WATERED GROUNDWATER. ALL SOIL IMPORTED TO THE SITE SHALL BE CERTIFIED CLEAN FILL. CONTRACTOR SHALL MAINTAIN RECORDS OF ALL FILL MATERIALS BROUGHT TO THE SITE.
2. THE CONTRACTOR IS REQUIRED TO PROVIDE TEMPORARY AND/OR PERMANENT SHORING WHERE REQUIRED DURING EXCAVATION ACTIVITIES, INCLUDING BUT NOT LIMITED TO UTILITY TRENCHES, TO ENSURE THE STRUCTURAL INTEGRITY OF NEARBY STRUCTURES AND STABILITY OF THE SURROUNDING SOILS.
3. PROPOSED TOP OF CURB ELEVATIONS ARE GENERALLY 4 INCHES TO 7 INCHES ABOVE EXISTING GRADES UNLESS OTHERWISE NOTED. THE CONTRACTOR WILL SUPPLY ALL STAKEOUT CURB GRADE SHEETS TO STONEFIELD ENGINEERING & DESIGN, LLC FOR REVIEW AND APPROVAL PRIOR TO POURING CURBS.
4. THE CONTRACTOR IS RESPONSIBLE TO SET ALL PROPOSED UTILITY COVERS AND RESET ALL EXISTING UTILITY COVERS WITHIN THE PROJECT LIMITS TO PROPOSED GRADE IN ACCORDANCE WITH ANY APPLICABLE MUNICIPAL, COUNTY, STATE AND/OR UTILITY AUTHORITY REGULATIONS.
5. MINIMUM SLOPE REQUIREMENTS TO PREVENT PONDING SHALL BE AS FOLLOWS:
   - CURB GUTTER: 0.50%
   - CONCRETE SURFACES: 1.00%
   - ASPHALT SURFACES: 1.00%
6. A MINIMUM SLOPE OF 1.00% SHALL BE PROVIDED AWAY FROM ALL BUILDINGS. THE CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE FROM THE BUILDING IS ACHIEVED AND SHALL NOTIFY STONEFIELD ENGINEERING & DESIGN, LLC. IF THIS CONDITION CANNOT BE MET.
7. FOR PROJECTS WHERE BASEMENTS ARE PROPOSED, THE DEVELOPER IS RESPONSIBLE TO DETERMINE THE DEPTH TO GROUNDWATER AT THE LOCATION OF THE PROPOSED STRUCTURE. IF GROUNDWATER IS ENCOUNTERED WITHIN THE BASEMENT AREA, SPECIAL CONSTRUCTION METHODS SHALL BE UTILIZED AND REVIEWED/APPROVED BY THE CONSTRUCTION CODE OFFICIAL. IF SUMP PUMPS ARE UTILIZED, ALL DISCHARGES SHALL BE CONNECTED DIRECTLY TO THE PUBLIC STORM SEWER SYSTEM WITH APPROVAL FROM THE GOVERNING STORM SEWER SYSTEM AUTHORITY.

ADA NOTES

1. THE CONTRACTOR SHALL MAINTAIN A MAXIMUM 2.00% SLOPE IN ANY DIRECTION WITHIN THE ADA PARKING SPACES AND ACCESS AISLES.
2. THE CONTRACTOR SHALL PROVIDE COMPLIANT SIGNAGE AT ALL ADA PARKING AREAS IN ACCORDANCE WITH STATE GUIDELINES.
3. THE CONTRACTOR SHALL MAINTAIN A MAXIMUM 5.00% RUNNING SLOPE AND A MAXIMUM OF 2.00% CROSS SLOPE ALONG WALKWAYS WITHIN THE ACCESSIBLE PATH OF TRAVEL (SEE THE SITE PLAN FOR THE LOCATION OF THE ACCESSIBLE PATH). THE CONTRACTOR IS RESPONSIBLE TO ENSURE THE ACCESSIBLE PATH OF TRAVEL IS 36 INCHES WIDE OR GREATER UNLESS INDICATED OTHERWISE WITHIN THE PLAN SET.
4. THE CONTRACTOR SHALL MAINTAIN A MAXIMUM 2.00% SLOPE IN ANY DIRECTION AT ALL LANDINGS. LANDINGS INCLUDE, BUT ARE NOT LIMITED TO, THE TOP AND BOTTOM OF AN ACCESSIBLE RAMP, AT ACCESSIBLE BUILDING ENTRANCES, AT AN AREA IN FRONT OF A WALK-UP ATM, AND AT TURNING SPACES ALONG THE ACCESSIBLE PATH OF TRAVEL. THE LANDING AREA SHALL HAVE A MINIMUM CLEAR AREA OF 60 INCHES BY 60 INCHES UNLESS INDICATED OTHERWISE WITHIN THE PLAN SET.
5. THE CONTRACTOR SHALL MAINTAIN A MAXIMUM 8.33% RUNNING SLOPE AND A MAXIMUM 2.00% CROSS SLOPE ON ANY CURB RAMPS ALONG THE ACCESSIBLE PATH OF TRAVEL. WHERE PROVIDED, CURB RAMP FLARES SHALL NOT HAVE A SLOPE GREATER THAN 10.00% IF A LANDING AREA IS PROVIDED AT THE TOP OF THE RAMP. FOR ALTERATIONS, A CURB RAMP FLARES SHALL NOT HAVE A SLOPE GREATER THAN 8.33% IF A LANDING AREA IS NOT PROVIDED AT THE TOP OF THE RAMP. CURBS RAMPS SHALL NOT RISE MORE THAN 6 INCHES IN ELEVATION WITHOUT A HANDRAIL. THE CLEAR WIDTH OF A CURB RAMP SHALL BE NO LESS THAN 36 INCHES WIDE.
6. ACCESSIBLE RAMPS WITH A RISE GREATER THAN 6 INCHES SHALL CONTAIN COMPLIANT HANDRAILS ON BOTH SIDES OF THE RAMP AND SHALL NOT RISE MORE THAN 30" IN ELEVATION WITHOUT A LANDING AREA IN BETWEEN RAMP RUNS. LANDING AREAS SHALL ALSO BE PROVIDED AT THE TOP AND BOTTOM OF THE RAMP.
7. A SLIP RESISTANT SURFACE SHALL BE CONSTRUCTED ALONG THE ACCESSIBLE PATH AND WITHIN ADA PARKING AREAS.
8. THE CONTRACTOR SHALL ENSURE A MAXIMUM OF ¼ INCHES VERTICAL CHANGE IN LEVEL ALONG THE ACCESSIBLE PATH. WHERE A CHANGE IN LEVEL BETWEEN ¼ INCHES AND ½ INCHES EXISTS, CONTRACTOR SHALL ENSURE THAT THE TOP ¼ INCH CHANGE IN LEVEL IS BEVELED WITH A SLOPE NOT STEEPER THAN 1 UNIT VERTICAL AND 2 UNITS HORIZONTAL (2:1 SLOPE).
9. THE CONTRACTOR SHALL ENSURE THAT ANY OPENINGS (GAPS OR HORIZONTAL SEPARATION) ALONG THE ACCESSIBLE PATH SHALL NOT ALLOW PASSAGE OF A SPHERE GREATER THAN ½ INCH.

20' 0' 20' 40'
GRAPHIC SCALE IN FEET
1" = 20'

ISSUE	DATE	BY	DESCRIPTION
4	11/26/2025	GPG	FOR COUNTY RESUBMISSION - DOT
3	08/14/2025	GPG	FOR COUNTY SUBMISSION
3	07/10/2025	GPG	FOR 90% CLIENT REVIEW
2	06/27/2025	KGR	FOR 60% CLIENT REVIEW
1	06/13/2025	GPG	FOR CLIENT REVIEW

FOR CONSTRUCTION

STONEFIELD engineering & design
Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com
Rivergate Tower, 400 N Ashley Drive, Suite 1950, Tampa, FL 33602
Phone 813.792.2200

SITE DEVELOPMENT PLANS

CAR WASH FLORIDA

LEHIGH ACRES
PROPOSED CARWASH

PARCEL ID: 21-43-26-A5-00063.0100 & 25-44-26-D5-00063.0120
2714 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

JAMES S. KINOSIAN, P.E.
FLORIDA LICENSE No. 86000
LICENSED PROFESSIONAL ENGINEER
FLORIDA BUSINESS CERT. OF AUTH. No. 30078

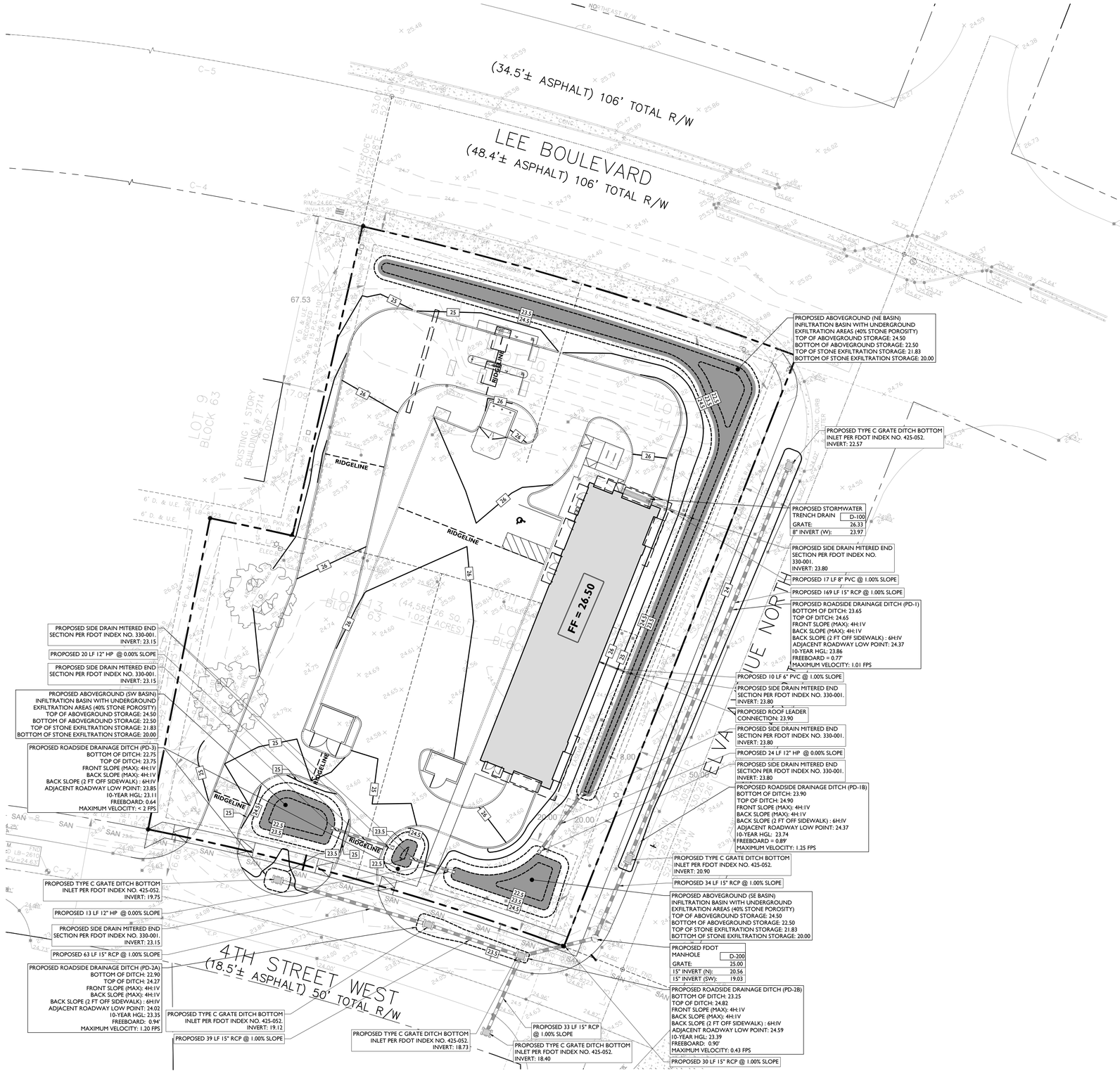
STONEFIELD engineering & design

SCALE: 1" = 20' | PROJECT ID: TAM-250036

TITLE: **GRADING PLAN**

DRAWING: **C-5**

Z:\TAMPA\PROJECTS\M-250036 EL CAR WASH - 2701 LEE BOULEVARD, LEHIGH ACRES, FL\CAD\PLOTTER\PLOTTER.PLOTDWG



FLOOD ZONE INFORMATION	
FLOOD ZONE	X

SEASONAL WATER TABLE	
ELEVATION	18.5 FT

NOTE

THE PROPOSED STORMWATER MANAGEMENT SYSTEM WILL HAVE NO ADVERSE IMPACT ON GROUND WATER / SURFACE WATER

SYMBOL	DESCRIPTION
	PROPERTY LINE
100	PROPOSED GRADING CONTOUR
RIDGELINE	PROPOSED GRADING RIDGELINE
	PROPOSED STORMWATER STRUCTURES
	PROPOSED STORMWATER PIPING
	PROPOSED ABOVEGROUND OUTLET STRUCTURE
	PROPOSED UNDERGROUND EXFILTRATION AREA

DRAINAGE AND UTILITY NOTES

1. THE CONTRACTOR TO PERFORM A TEST PIT PRIOR TO CONSTRUCTION (RECOMMEND 30 DAYS PRIOR) AT LOCATIONS OF EXISTING UTILITY CROSSINGS FOR STORMWATER IMPROVEMENTS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY STONEFIELD ENGINEERING & DESIGN, LLC. IN WRITING.
2. CONTRACTOR SHALL START CONSTRUCTION OF STORM LINES AT THE LOWEST INVERT AND WORK UP-GRADIENT.
3. THE CONTRACTOR IS REQUIRED TO CALL THE APPROPRIATE AUTHORITY FOR NOTICE OF CONSTRUCTION/EXCAVATION AND UTILITY MARK OUT PRIOR TO THE START OF CONSTRUCTION IN ACCORDANCE WITH STATE LAW. CONTRACTOR IS REQUIRED TO CONFIRM THE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES IN THE FIELD. SHOULD A DISCREPANCY EXIST BETWEEN THE FIELD LOCATION OF A UTILITY AND THE LOCATION SHOWN ON THE PLAN SET OR SURVEY, THE CONTRACTOR SHALL NOTIFY STONEFIELD ENGINEERING & DESIGN, LLC. IMMEDIATELY IN WRITING.
4. THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN A RECORD OF THE AS-BUILT LOCATIONS OF ALL PROPOSED UNDERGROUND INFRASTRUCTURE. THE CONTRACTOR SHALL NOTE ANY DISCREPANCIES BETWEEN THE AS-BUILT LOCATIONS AND THE LOCATIONS DEPICTED WITHIN THE PLAN SET. THIS RECORD SHALL BE PROVIDED TO THE OWNER FOLLOWING COMPLETION OF WORK.

EXCAVATION, SOIL PREPARATION, AND DEWATERING NOTES

1. THE CONTRACTOR IS REQUIRED TO REVIEW THE REFERENCED GEOTECHNICAL DOCUMENTS PRIOR TO CONSTRUCTION. THESE DOCUMENTS SHALL BE CONSIDERED A PART OF THE PLAN SET.
2. THE CONTRACTOR IS REQUIRED TO PREPARE SUBGRADE SOILS BENEATH ALL PROPOSED IMPROVEMENTS AND BACKFILL ALL EXCAVATIONS IN ACCORDANCE WITH RECOMMENDATIONS BY THE GEOTECHNICAL ENGINEER OF RECORD.
3. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING SHORING FOR ALL EXCAVATIONS AS REQUIRED. CONTRACTOR SHALL HAVE THE SHORING DESIGN PREPARED BY A QUALIFIED PROFESSIONAL. SHORING DESIGNS SHALL BE SUBMITTED TO STONEFIELD ENGINEERING & DESIGN, LLC. AND THE OWNER PRIOR TO THE START OF CONSTRUCTION.
4. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL OPEN EXCAVATIONS ARE PERFORMED AND PROTECTED IN ACCORDANCE WITH THE LATEST OSHA REGULATIONS.
5. THE CONTRACTOR IS RESPONSIBLE FOR ANY DEWATERING DESIGN AND OPERATIONS, AS REQUIRED, TO CONSTRUCT THE PROPOSED IMPROVEMENTS. THE CONTRACTOR SHALL OBTAIN ANY REQUIRED PERMITS FOR DEWATERING OPERATIONS AND GROUNDWATER DISPOSAL.

STORMWATER INFILTRATION BMP CONSTRUCTION NOTES

1. PRIOR TO THE START OF CONSTRUCTION, ANY AREA DESIGNATED TO BE USED FOR AN INFILTRATION BMP (E.G. BASIN, BIORETENTION AREA, ETC.) SHALL BE FENCED OFF AND SHALL NOT BE UTILIZED AS STORAGE FOR CONSTRUCTION EQUIPMENT OR AS A STOCKPILE AREA FOR CONSTRUCTION MATERIALS. NO ACTIVITY SHALL BE PERMITTED WITHIN THE INFILTRATION BASIN AREA UNLESS RELATED TO THE CONSTRUCTION OF THE INFILTRATION BASIN. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY ALL SUBCONTRACTORS OF BASIN AREA RESTRICTIONS.
2. THE CONTRACTOR SHALL MAKE EVERY EFFORT, WHERE PRACTICAL, TO AVOID SUBGRADE SOIL COMPACTION IN THE AREAS DESIGNATED TO BE USED FOR AN INFILTRATION BMP.
3. ALL EXCAVATION WITHIN THE LIMITS OF ANY INFILTRATION BMP SHALL BE PERFORMED WITH THE LIGHTEST PRACTICAL EXCAVATION EQUIPMENT. ALL EXCAVATION EQUIPMENT SHALL BE PLACED OUTSIDE THE LIMITS OF THE BASIN WHERE FEASIBLE. THE USE OF LIGHT-WEIGHT, RUBBER-TIRED EQUIPMENT (LESS THAN 8 PSI APPLIED TO THE GROUND SURFACE) IS RECOMMENDED WITHIN THE BASIN LIMITS.
4. THE SEQUENCE OF SITE CONSTRUCTION SHALL BE COORDINATED WITH BASIN CONSTRUCTION TO ADHERE TO SEQUENCING LIMITATIONS.
5. DURING THE FINAL GRADING OF AN INFILTRATION BASIN, THE BOTTOM OF THE BASIN SHALL BE DEEPLY TILLED WITH A ROTARY TILLER OR DISC HARROW AND THEN SMOOTHED OUT WITH A LEVELING DRAW OR EQUIVALENT GRADING EQUIPMENT. ALL GRADING EQUIPMENT SHALL BE LOCATED OUTSIDE OF THE BASIN BOTTOM WHERE FEASIBLE.
6. FOLLOWING CONSTRUCTION OF AN INFILTRATION BASIN, SOIL INFILTRATION TESTING BY A LICENSED GEOTECHNICAL ENGINEER IS REQUIRED TO CERTIFY COMPLIANCE WITH THE DESIGN INFILTRATION RATES IN ACCORDANCE WITH APPENDIX E OF THE NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION'S BEST MANAGEMENT PRACTICES MANUAL, LATEST EDITION. IF THE FIELD INFILTRATION RATES ARE LOWER THAN THE RATE USED DURING DESIGN, THE CONTRACTOR SHALL NOTIFY STONEFIELD ENGINEERING & DESIGN, LLC. IN WRITING IMMEDIATELY TO DETERMINE THE APPROPRIATE COURSE OF ACTION.
7. THE CONTRACTOR SHALL NOTIFY THE MUNICIPALITY TO DETERMINE IF WITNESS TESTING IS REQUIRED DURING INFILTRATION BASIN EXCAVATION AND/OR SOIL INFILTRATION TESTING.

20' 0' 20' 40'

GRAPHIC SCALE IN FEET
1" = 20'

ISSUE	DATE	BY	DESCRIPTION
4	11/26/2025	GPG	FOR COUNTY RESUBMISSION - DOT
3	08/14/2025	GPG	FOR COUNTY SUBMISSION
3	07/10/2025	GPG	FOR 90% CLIENT REVIEW
2	06/27/2025	KGR	FOR 60% CLIENT REVIEW
1	06/13/2025	GPG	FOR CLIENT REVIEW

FOR CONSTRUCTION

STONEFIELD engineering & design
Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com
Rivergate Tower, 400 N Ashley Drive, Suite 1950, Tampa, FL 33602
Phone 813.792.2200

SITE DEVELOPMENT PLANS

CAR WASH FLORIDA

LEHIGH ACRES
PROPOSED CARWASH

PARCEL ID: 25-44-26-00-00063.0100 & 25-44-26-00-00063.0120
2714 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

JAMES S. KINOSIAN, P.E.
FLORIDA LICENSE No. 86000
LICENSED PROFESSIONAL ENGINEER
FLORIDA BUSINESS CERT. OF AUTH. No. 30078

STONEFIELD engineering & design

SCALE: 1" = 20' | PROJECT ID: TAM-250036

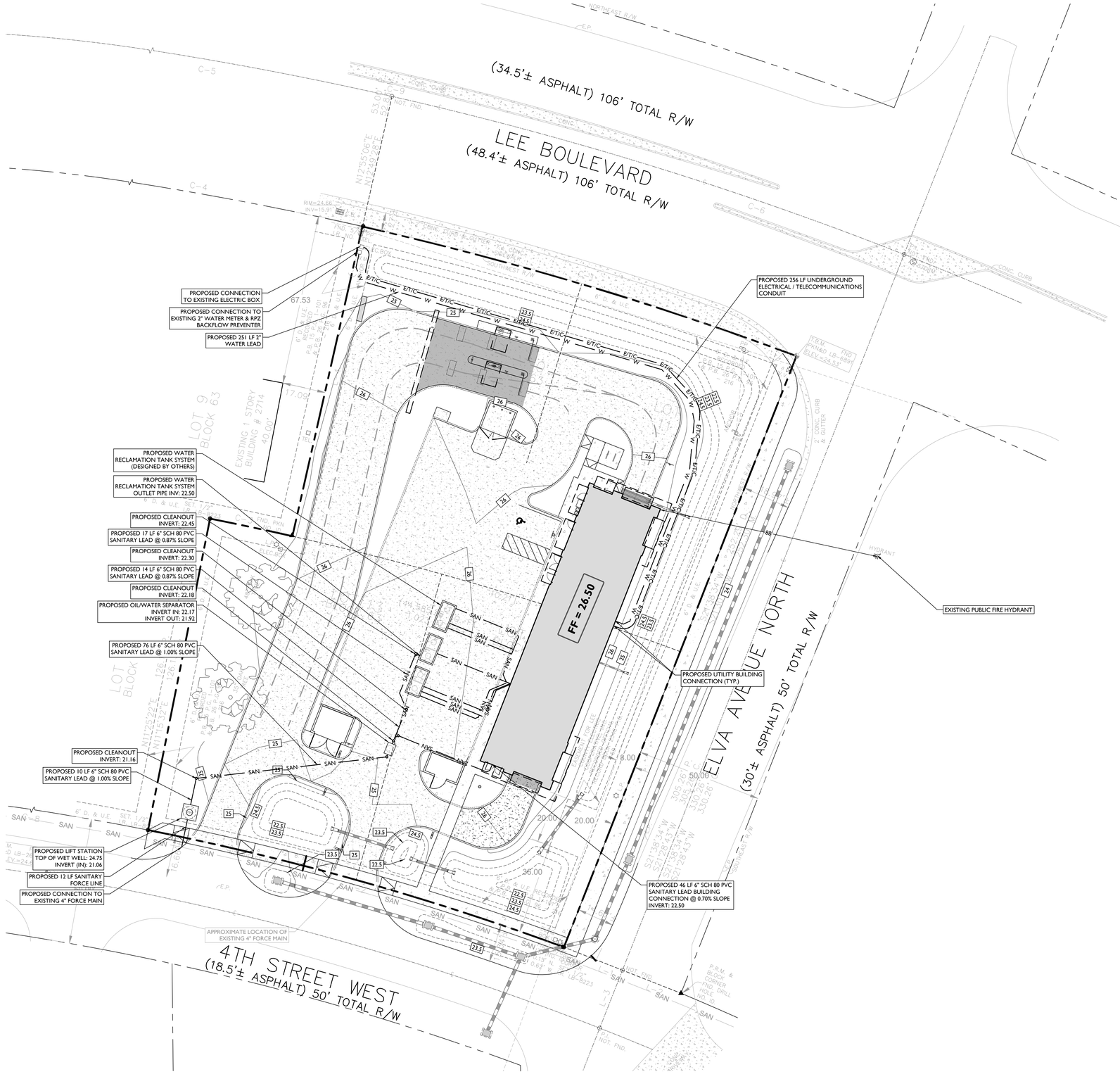
TITLE:

STORMWATER MANAGEMENT PLAN

DRAWING:

C-6

Z:\TAM\PROJECTS\TAM-250036 EL CAR WASH - 2701 LEE BOULEVARD, LEHIGH ACRES, FL\CAD\DRAWINGS\PLAN SHEETS\TAM-250036 GRADING.DWG



FIRE DISTRICT INFORMATION

LEHIGH ACRES FIRE DISTRICT

SYMBOL	DESCRIPTION
	PROPERTY LINE
SAN	PROPOSED SANITARY LATERAL
W	PROPOSED DOMESTIC WATER SERVICE
E/T/C	PROPOSED ELECTRICAL/DATA CONDUITS
S	PROPOSED SANITARY MANHOLE / CLEANOUT
	PROPOSED LIFT STATION

DRAINAGE AND UTILITY NOTES

1. THE CONTRACTOR IS REQUIRED TO CALL THE APPROPRIATE AUTHORITY FOR NOTICE OF CONSTRUCTION/EXCAVATION AND UTILITY MARK OUT PRIOR TO THE START OF CONSTRUCTION IN ACCORDANCE WITH STATE LAW. CONTRACTOR IS REQUIRED TO CONFIRM THE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES IN THE FIELD. SHOULD A DISCREPANCY EXIST BETWEEN THE FIELD LOCATION OF A UTILITY AND THE LOCATION SHOWN ON THE PLAN SET OR SURVEY, THE CONTRACTOR SHALL NOTIFY STONEFIELD ENGINEERING & DESIGN, LLC. IMMEDIATELY IN WRITING.
2. THE CONTRACTOR IS RESPONSIBLE TO PROTECT AND MAINTAIN IN OPERATION ALL UTILITIES NOT DESIGNATED TO BE REMOVED.
3. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE TO ANY EXISTING UTILITY IDENTIFIED TO REMAIN WITHIN THE LIMITS OF THE PROPOSED WORK DURING CONSTRUCTION.
4. A MINIMUM HORIZONTAL SEPARATION OF 10 FEET IS REQUIRED BETWEEN ANY SANITARY SEWER SERVICE AND ANY WATER LINES. IF THIS SEPARATION CANNOT BE PROVIDED, A CONCRETE ENCASEMENT SHALL BE UTILIZED FOR THE SANITARY SEWER SERVICE AS APPROVED BY STONEFIELD ENGINEERING & DESIGN, LLC.
5. ALL WATER LINES SHALL BE VERTICALLY SEPARATED ABOVE SANITARY SEWER LINES BY A MINIMUM DISTANCE OF 18 INCHES. IF THIS SEPARATION CANNOT BE PROVIDED, A CONCRETE ENCASEMENT SHALL BE UTILIZED FOR THE SANITARY SEWER SERVICE AS APPROVED BY STONEFIELD ENGINEERING & DESIGN, LLC.
6. THE CONTRACTOR TO PERFORM A TEST PIT PRIOR TO CONSTRUCTION (RECOMMEND 30 DAYS PRIOR) AT LOCATIONS OF EXISTING UTILITY CROSSINGS FOR WATER AND SANITARY SEWER CONNECTION IMPROVEMENTS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY STONEFIELD ENGINEERING & DESIGN, LLC. IN WRITING.
7. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING GAS, ELECTRIC AND TELECOMMUNICATION CONNECTIONS WITH THE APPROPRIATE GOVERNING AUTHORITY.
8. CONTRACTOR SHALL START CONSTRUCTION OF ANY GRAVITY SEWER AT THE LOWEST INVERT AND WORK UP-GRADIENT.
9. THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN A RECORD SET OF PLANS REFLECTING THE LOCATION OF EXISTING UTILITIES THAT HAVE BEEN CAPPED, ABANDONED, OR RELOCATED BASED ON THE DEMOLITION/REMOVAL ACTIVITIES REQUIRED IN THIS PLAN SET. THIS DOCUMENT SHALL BE PROVIDED TO THE OWNER FOLLOWING COMPLETION OF WORK.
10. THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN A RECORD OF THE AS-BUILT LOCATIONS OF ALL PROPOSED UNDERGROUND INFRASTRUCTURE. THE CONTRACTOR SHALL NOTE ANY DISCREPANCIES BETWEEN THE AS-BUILT LOCATIONS AND THE LOCATIONS DEPICTED WITHIN THE PLAN SET. THIS RECORD SHALL BE PROVIDED TO THE OWNER FOLLOWING COMPLETION OF WORK.

20' 0' 20' 40'

GRAPHIC SCALE IN FEET
1" = 20'

ISSUE	DATE	BY	DESCRIPTION
4	11/26/2025	GPG	FOR COUNTY RESUBMISSION - DOT
3	08/14/2025	GPG	FOR COUNTY SUBMISSION
3	07/10/2025	GPG	FOR 90% CLIENT REVIEW
2	06/27/2025	KGR	FOR 60% CLIENT REVIEW
1	06/13/2025	GPG	FOR CLIENT REVIEW

FOR CONSTRUCTION

STONEFIELD engineering & design
Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com
Rivergate Tower, 400 N Ashley Drive, Suite 1950, Tampa, FL 33602
Phone 813.792.2200

SITE DEVELOPMENT PLANS

CAR WASH FLORIDA

LEHIGH ACRES
PROPOSED CARWASH

PARCEL ID: 25-45-26-A6-00063.0100 & 25-45-26-B5-00063.0120
2714 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

JAMES S. KINOSIAN, P.E.
FLORIDA LICENSE No. 86000
LICENSED PROFESSIONAL ENGINEER
FLORIDA BUSINESS CERT. OF AUTH No. 30078

STONEFIELD engineering & design

SCALE: 1" = 20' | PROJECT ID: TAM-250036

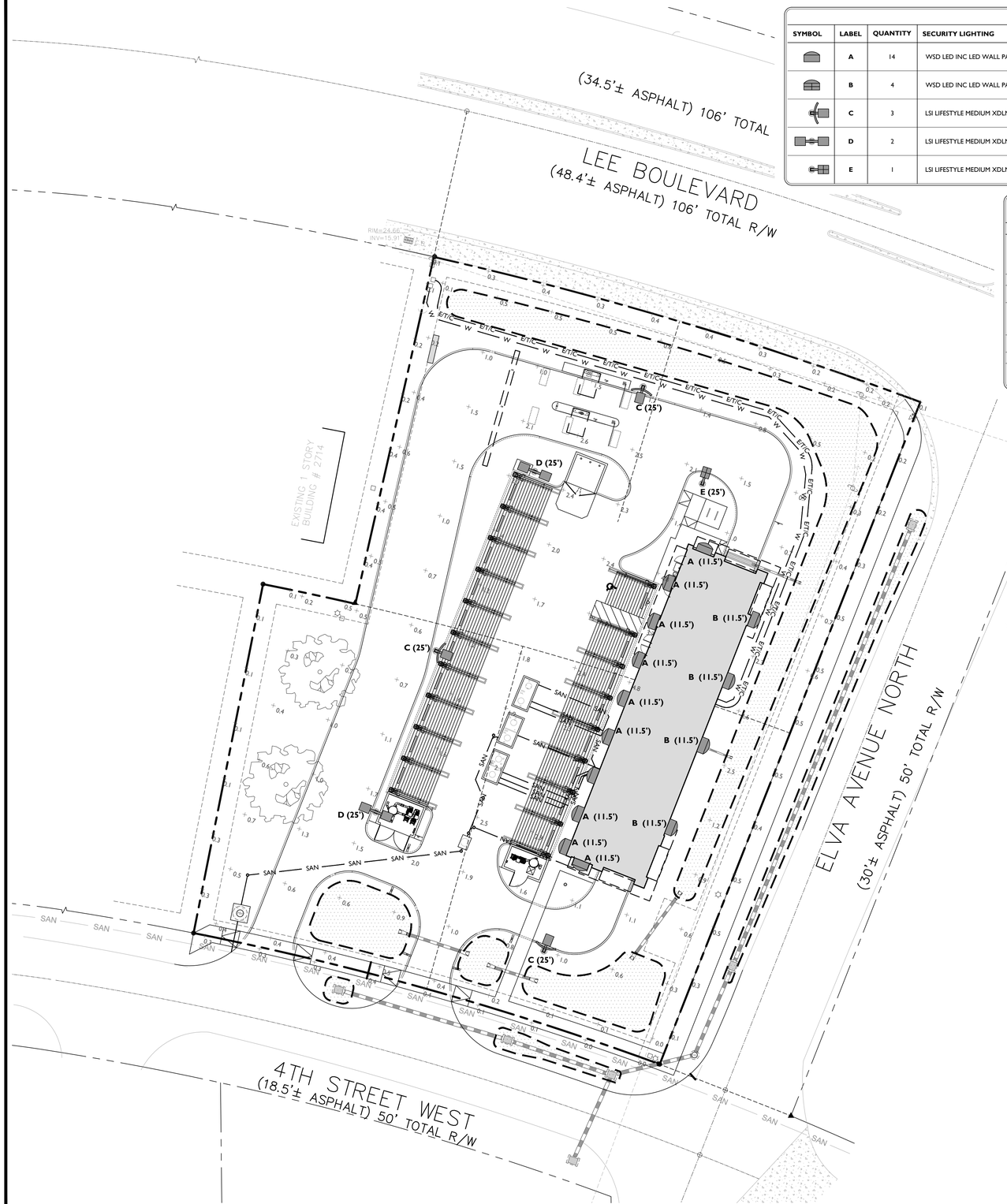
TITLE:

UTILITY PLAN

DRAWING:

C-7

Z:\TAM\PA\2025\TAM-250036 (LEE CAR WASH - 2701 LEE BOULEVARD, LEHIGH ACRES, FL)\CAD\PLOT\DP-00-UTIL.DWG



PROPOSED LUMINAIRE SCHEDULE

SYMBOL	LABEL	QUANTITY	SECURITY LIGHTING	DISTRIBUTION	LLF	MANUFACTURER	IES FILE
	A	14	WSD LED INC LED WALL PACK - 15 W 4000K	FORWARD	1.0	WSD LED INC	WSD-WP01SW27-345K-D.ies
	B	4	WSD LED INC LED WALL PACK - 10 W 4000K	FORWARD	1.0	WSD LED INC	WSD-WP01W27-50K-D.ies
	C	3	LSI LIFESTYLE MEDIUM XDLM DECORATIVE AREA LIGHT - 3000K	TYPE III	1.0	LSI LIGHTING	XDLM-3-LED-VLW-WW-IL.ies
	D	2	LSI LIFESTYLE MEDIUM XDLM DECORATIVE AREA LIGHT - 3000K	TYPE III	1.0	LSI LIGHTING	XDLM-3-LED-VLW-WW-IL.ies
	E	1	LSI LIFESTYLE MEDIUM XDLM DECORATIVE AREA LIGHT - 3000K	TYPE V	1.0	LSI LIGHTING	XDLM-5W-LED-VLW-WW.ies

LIGHTING REQUIREMENTS

CODE SECTION	REQUIRED	PROPOSED
§ 34-625.D(1)	**ILLUMINANCE** INITIAL ACTUAL FOOTCANDLES CANOPY, DRIVE-THROUGH, FUEL PUMPS, OVERHAND = MINIMUM 6.0 FC INITIAL UNIFORMITY AVERAGE = 5:1	**COMPLIES**
§ 34-625.D(1)	IN NO CASE MAY THE ILLUMINATION EXCEED 0.5 FC MEASURED AT THE PROPERTY LINE	**0.5 FC**
§ 34-625.D(4).A	MAXIMUM HEIGHT OF LIGHT POLED FOR PARKING LOTS AND VEHICULAR USE AREAS MAY NOT EXCEED 25 FT MEASURED FROM GROUND LEGEL	**25 FT**
§ 34-625.D(4).C	**BUILDING MOUNTED LUMINAIRES** MAY ONLY BE ATTACHED TO THE BUILDING WALLS AND THE TOP OF THE FICUTRE MAY NOT EXCEED THE HEIGHT OF THE PARAPET, OR THE ROOF, OR 25 FT, WHICHEVER IS LOWEST.	**COMPLIES**
§ 33-1413(1)	LIGHT FIXTURES MUST COMPLEMENT THE BUILDING DEVELOPMENT WITH AN ARCHITECTURAL THEME CONSISTENT WITH THE OVERALL DEVELOPMENT.	**COMPLIES**
§ 33-1413(2)	PARKING LOT LIGHTING MUST UTILIZE DECORATIVE LIGHT POLES/FIXTURES.	**COMPLIES**
§ 33-1413(3)	OUTDOOR LIGHT FIXTURES MUST BE SHIELDED. LIGHTING MUST BE DIRECTED TO AVOID INTRUSION ON ADJACENT PROPERTIES AND AWAY FROM ADJACENT THOROUGHFARES.	**COMPLIES**

SYMBOL	DESCRIPTION
	PROPOSED CALCULATION AREA
	PROPOSED ISOMETRIC LINE
A (XX')	PROPOSED LIGHTING FIXTURE (MOUNTING HEIGHT)
XX	PROPOSED LIGHTING INTENSITY (FOOTCANDLES)
	PROPOSED AREA LIGHT
	PROPOSED BUILDING MOUNTED LIGHT

GENERAL LIGHTING NOTES

1. THE LIGHTING LEVELS DEPICTED WITHIN THE PLAN SET ARE CALCULATED UTILIZING DATA OBTAINED FROM THE LISTED MANUFACTURER. ACTUAL ILLUMINATION LEVELS AND PERFORMANCE OF ANY PROPOSED LIGHTING FIXTURE MAY VARY DUE TO UNCONTROLLABLE VARIABLES SUCH ARE WEATHER, VOLTAGE SUPPLY, LAMP TOLERANCE, EQUIPMENT SERVICE LIFE AND OTHER VARIABLE FIELD CONDITIONS.
2. WHERE APPLICABLE, THE EXISTING LIGHT LEVELS DEPICTED WITHIN THE PLAN SET SHALL BE CONSIDERED APPROXIMATE. THE EXISTING LIGHT LEVELS ARE BASED ON FIELD OBSERVATIONS AND THE MANUFACTURER'S DATA OF THE ASSUMED OR MOST SIMILAR LIGHTING FIXTURE MODEL.
3. UNLESS NOTED ELSEWHERE WITHIN THIS PLAN SET, THE LIGHT LOSS FACTORS USED IN THE LIGHTING ANALYSIS ARE AS FOLLOWS:
   - LIGHT EMITTING DIODES (LED): 0.90
   - HIGH PRESSURE SODIUM: 0.72
   - METAL HALIDE: 0.72
4. THE CONTRACTOR SHALL NOTIFY STONEFIELD ENGINEERING & DESIGN, LLC. IN WRITING, PRIOR TO THE START OF CONSTRUCTION, OF ANY PROPOSED LIGHTING LOCATIONS THAT CONFLICT WITH EXISTING/ PROPOSED DRAINAGE, UTILITY, OR OTHER IMPROVEMENTS.
5. THE CONTRACTOR IS RESPONSIBLE TO PREPARE A WIRING PLAN AND PROVIDE ELECTRIC SERVICE TO ALL PROPOSED LIGHTING FIXTURES. THE CONTRACTOR IS REQUIRED TO PREPARE AN AS-BUILT PLAN OF WIRING AND PROVIDE COPIES TO THE OWNER AND STONEFIELD ENGINEERING & DESIGN, LLC.

20' 0' 20' 40'
GRAPHIC SCALE IN FEET
1" = 20'

ISSUE	DATE	BY	DESCRIPTION
4	11/26/2025	GPG	FOR COUNTY RESUBMISSION - DOT
3	08/14/2025	GPG	FOR COUNTY SUBMISSION
3	07/10/2025	GPG	FOR 90% CLIENT REVIEW
2	06/27/2025	KGR	FOR 60% CLIENT REVIEW
1	06/13/2025	GPG	FOR CLIENT REVIEW

FOR CONSTRUCTION

STONEFIELD engineering & design
Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com
Rivergate Tower, 400 N Ashley Drive, Suite 1950, Tampa, FL 33602
Phone 813.792.2200

SITE DEVELOPMENT PLANS

CAR WASH FLORIDA

LEHIGH ACRES
PROPOSED CARWASH

PARCEL ID: 25442605000630.0100 & 25442605000630.0120
2701 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

JAMES S. KINOSIAN, P.E.
FLORIDA LICENSE No. 86000
LICENSED PROFESSIONAL ENGINEER
FLORIDA BUSINESS CERT. OF AUTH. No. 30078

STONEFIELD engineering & design

SCALE: 1" = 20' | PROJECT ID: TAM-250036

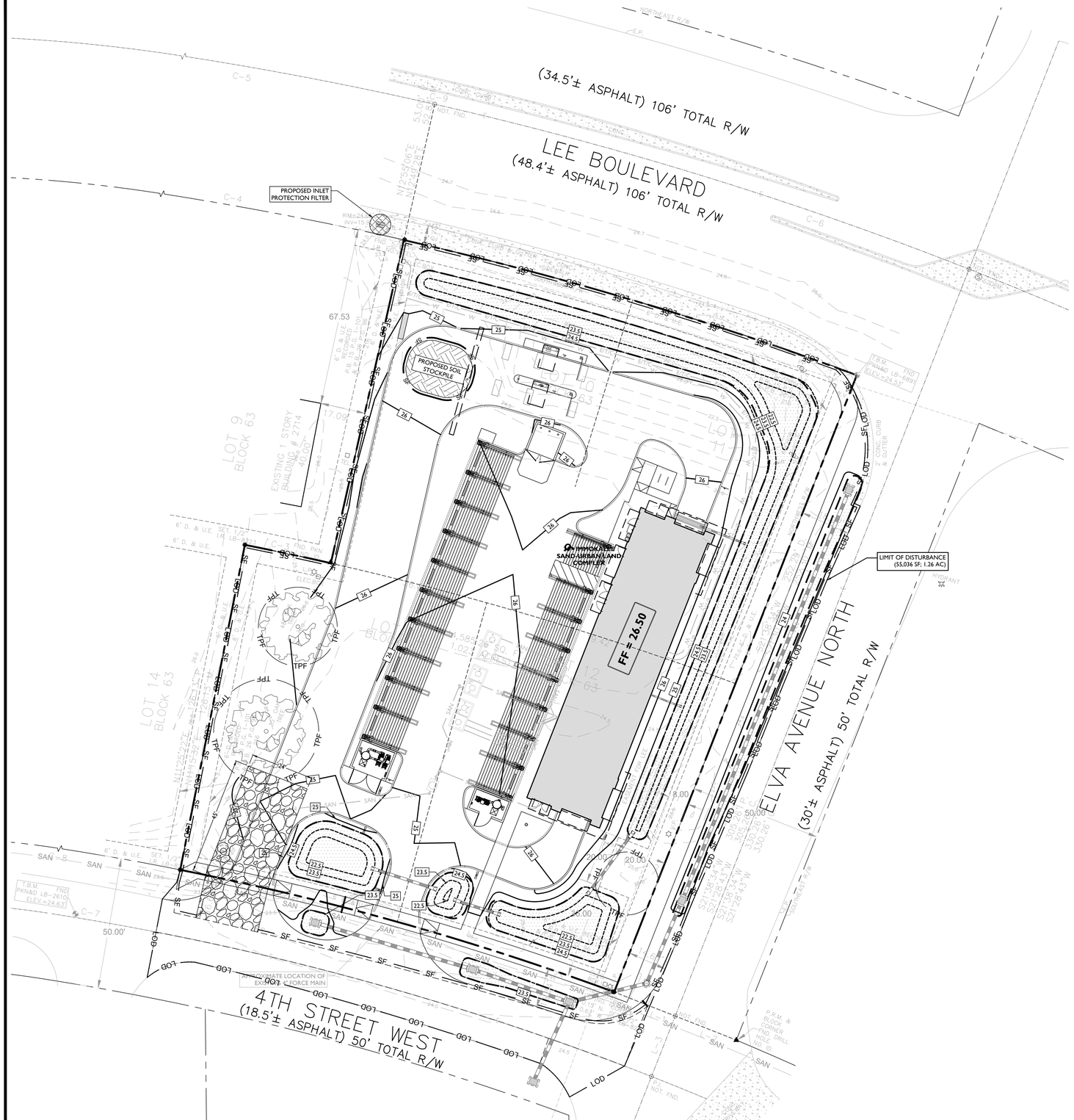
TITLE:

LIGHTING PLAN

DRAWING:

C-8

Z:\TAMPA\TAM\2025\TAM-250036 EL CAR WASH - 2701 LEE BOULEVARD, LEHIGH ACRES, FL\CAD\PLOTS\PLAN LIGHT.DWG



SYMBOL	DESCRIPTION
	PROPERTY BOUNDARY
	ADJACENT PROPERTY BOUNDARY
LOD	PROPOSED LIMIT OF DISTURBANCE
SF	PROPOSED SILT FENCE
TPF	PROPOSED TREE PROTECTION FENCE
	PROPOSED STOCKPILE & EQUIPMENT STORAGE
	PROPOSED STABILIZED CONSTRUCTION ENTRANCE
	PROPOSED INLET PROTECTION FILTER

SOIL EROSION AND SEDIMENT CONTROL NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR SOIL EROSION AND SEDIMENT CONTROL IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REQUIREMENTS.
2. THE CONTRACTOR IS RESPONSIBLE FOR DUST CONTROL IN COMPLIANCE WITH LOCAL, STATE, AND FEDERAL AIR QUALITY STANDARDS.
3. THE CONTRACTOR IS RESPONSIBLE TO INSPECT ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES WEEKLY AND AFTER A PRECIPITATION EVENT GREATER THAN 1 INCH. THE CONTRACTOR SHALL MAINTAIN AN INSPECTION LOG ON SITE AND DOCUMENT CORRECTIVE ACTION TAKEN THROUGHOUT THE COURSE OF CONSTRUCTION AS REQUIRED.

20' 0' 20' 40'
GRAPHIC SCALE IN FEET
1" = 20'

ISSUE	DATE	BY	DESCRIPTION
4	11/26/2025	GPG	FOR COUNTY RESUBMISSION - DOT
3	08/14/2025	GPG	FOR COUNTY SUBMISSION
3	07/10/2025	GPG	FOR 90% CLIENT REVIEW
2	06/27/2025	KGR	FOR 60% CLIENT REVIEW
1	06/13/2025	GPG	FOR CLIENT REVIEW

FOR CONSTRUCTION

STONEFIELD engineering & design
Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com
Rivergate Tower, 400 N Ashley Drive, Suite 1950, Tampa, FL 33602
Phone 813.792.2200

SITE DEVELOPMENT PLANS

CAR WASH FLORIDA

LEHIGH ACRES PROPOSED CARWASH

PARCEL ID: 25442605000063.0100 & 25442605000063.0120
2701 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

JAMES S. KINOSIAN, P.E.
FLORIDA LICENSE No. 86000
LICENSED PROFESSIONAL ENGINEER
FLORIDA BUSINESS CERT. OF AUTH. No. 30078

STONEFIELD engineering & design

SCALE: 1" = 20' | PROJECT ID: TAM-250036

TITLE:
SOIL EROSION & SEDIMENT CONTROL PHASE II PLAN

DRAWING:
C-9

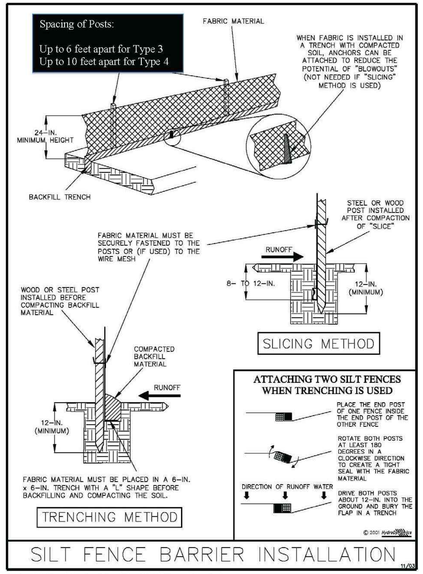


Figure V-2: Illustration of a Silt Fence Barrier

Permission is given by HydroDynamics Incorporated to copy and reproduce this detail

FDEP SILT FENCE BARRIER INSTALLATION DETAIL

NOT TO SCALE

1

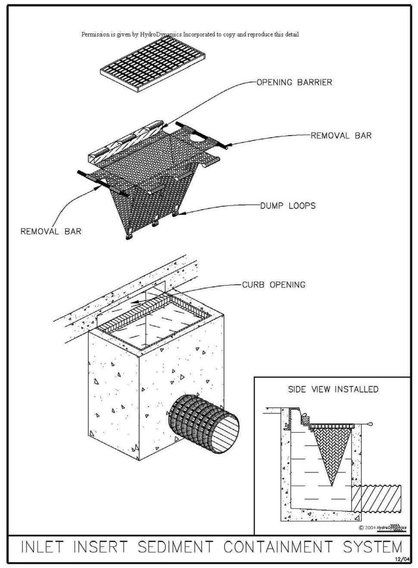


Figure V-18: Illustration of an Inlet Insert Sediment Containment System

Permission is given by HydroDynamics Incorporated to copy and reproduce this detail

FDEP INLET INSET SEDIMENT CONTAINMENT SYSTEM

NOT TO SCALE

2

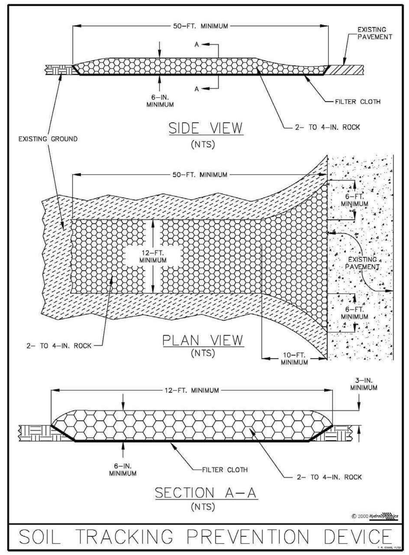


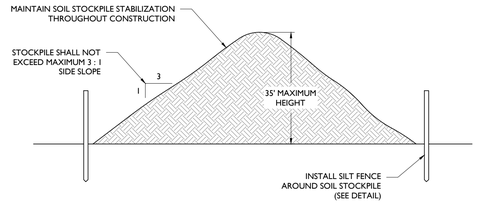
Figure V-19: Illustration of a Soil Tracking Prevention Device

Permission is given by HydroDynamics Incorporated to copy and reproduce this detail

FDEP STANDARD CONTRACTION ENTRANCE DETAIL

NOT TO SCALE

3

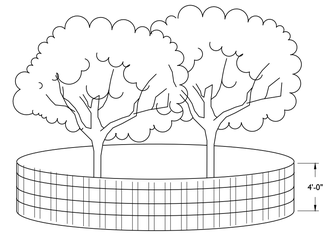


NOTES:
1. STOCKPILES SHALL BE SITUATED SO AS NOT TO OBSTRUCT NATURAL DRAINAGE OR CAUSE OFF-SITE ENVIRONMENTAL DAMAGE.
2. STOCKPILES SHALL BE STABILIZED IN ACCORDANCE WITH THE STANDARDS FOR PERMANENT OR TEMPORARY VEGETATIVE COVER FOR SOIL STABILIZATION, AS APPROPRIATE (SEE SOIL EROSION NOTES).

SOIL STOCKPILE DETAIL

NOT TO SCALE

4



NOTES:
1. SNOW FENCING IS TO BE 4'-0" HIGH AND SELF SUPPORTED.
2. DO NOT STOCKPILE MATERIALS OR STORE EQUIPMENT WITHIN THE TREE PROTECTION FENCING.
3. SNOW FENCE TO BE INSTALLED AT DRIP LINE OF EXISTING TREE OR TREE CLUSTER TO BE PROTECTED OR NO CLOSER THAN 6' FROM TREE TRUNK IF NECESSARY.
4. IF THE PROJECT AREA ENCOMPASSES A PORTION OF THE DRIP LINE OF THE TREE, NO MORE THAN ONE THIRD OF THE OF THE TOTAL AREA OF WITHIN THE DRIP LINE SHOULD BE DISTURBED BY CONSTRUCTION OR REGRADING AND A 3" THICK LAYER OF MULCH SHALL BE INSTALLED OVER THE AREA OF THE DRIP LINE WHICH IS NOT PROTECTED BY FENCING TO PROVIDE A CUSHION.

TREE PROTECTION DETAIL

NOT TO SCALE

5

ISSUE	DATE	BY	DESCRIPTION
4	11/26/2025	GPG	FOR COUNTY RESUBMISSION - DOT
3	08/14/2025	GPG	FOR COUNTY SUBMISSION
3	07/10/2025	GPG	FOR 90% CLIENT REVIEW
2	06/27/2025	KGR	FOR 60% CLIENT REVIEW
1	06/13/2025	GPG	FOR CLIENT REVIEW

FOR CONSTRUCTION

STONEFIELD engineering & design
Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com
Rivergate Tower, 400 N Ashley Drive, Suite 1950, Tampa, FL 33602
Phone 813.792.2200

DEMOLITION NOTES

1. THE WORK REFLECTED ON THE DEMOLITION PLAN IS TO PROVIDE GENERAL INFORMATION TOWARDS THE EXISTING ITEMS TO BE DEMOLISHED AND/OR REMOVED. THE CONTRACTOR IS RESPONSIBLE TO REVIEW THE ENTIRE PLAN SET AND ASSOCIATED REPORTS/REFERENCE DOCUMENTS INCLUDING ALL DEMOLITION ACTIVITIES AND INCIDENTAL TASKS NECESSARY TO COMPLETE THE SITE IMPROVEMENTS.
2. THE CONTRACTOR IS RESPONSIBLE TO DETERMINE THE MEANS AND METHODS OF DEMOLITION ACTIVITIES.
3. EXPLOSIVES SHALL NOT BE USED UNLESS WRITTEN CONSENT FROM BOTH THE OWNER AND ANY APPLICABLE GOVERNING AGENCY IS OBTAINED. BEFORE THE START OF ANY EXPLOSIVE PROGRAM, THE CONTRACTOR IS RESPONSIBLE TO OBTAIN ALL LOCAL, STATE, AND FEDERAL PERMITS. ADDITIONALLY, THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL SEISMIC TESTING AS REQUIRED AND ANY DAMAGES AS THE RESULT OF SAID DEMOLITION PRACTICES.
4. ALL DEMOLITION ACTIVITIES SHALL BE PERFORMED IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL CODES. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING ALL UTILITIES ARE DISCONNECTED IN ACCORDANCE WITH THE UTILITY AUTHORITY'S REQUIREMENTS PRIOR TO STARTING THE DEMOLITION OF ANY STRUCTURE. ALL EXCAVATIONS ASSOCIATED WITH DEMOLISHED STRUCTURES OR REMOVED TANKS SHALL BE BACKFILLED WITH SUITABLE MATERIAL AND COMPACTED TO SUPPORT SITE AND BUILDING IMPROVEMENTS. A GEOTECHNICAL ENGINEER SHOULD BE PRESENT DURING BACKFILLING ACTIVITIES TO OBSERVE AND CERTIFY THAT BACKFILL MATERIAL WAS COMPACTED TO A SUITABLE CONDITION.
5. DEMOLISHED DEBRIS SHALL NOT BE BURIED ON SITE. ALL WASTE/DEBRIS GENERATED FROM DEMOLITION ACTIVITIES SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REQUIREMENTS. THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN ALL RECORDS OF THE DISPOSAL TO DEMONSTRATE COMPLIANCE WITH THE ABOVE REGULATIONS.

SOIL EROSION AND SEDIMENT CONTROL NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR SOIL EROSION AND SEDIMENT CONTROL IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REQUIREMENTS.
2. THE CONTRACTOR IS RESPONSIBLE FOR DUST CONTROL IN COMPLIANCE WITH LOCAL, STATE, AND FEDERAL AIR QUALITY STANDARDS.
3. THE CONTRACTOR IS RESPONSIBLE TO INSPECT ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES WEEKLY AND AFTER A PRECIPITATION EVENT GREATER THAN 1 INCH. THE CONTRACTOR SHALL MAINTAIN AN INSPECTION LOG ON SITE AND DOCUMENT CORRECTIVE ACTION TAKEN THROUGHOUT THE COURSE OF CONSTRUCTION AS REQUIRED.

DUST CONTROL NOTES

1. THE CONTRACTOR SHALL UTILIZE THE FOLLOWING DUST CONTROL / ABATEMENT METHODOLOGIES:
   a. SITE SPRINKLING.
   b. TEMPORARY AND PERMANENT VEGETATION / MULCHING.
   c. STONE CONSTRUCTION ENTRANCE / EXIT.
   d. ADDITIONAL DUST CONTROL BMPS MAY BE UTILIZED DEPENDING ON SITE CONSTRUCTION CONDITIONS.
2. THE CONTRACTOR SHALL DETERMINE THE TYPE AND EXTENTS OF EACH DUST CONTROL METHODOLOGY BASED ON SITE CONSTRUCTION CONDITIONS AND STATE OF FLORIDA BEST MANAGEMENT PRACTICES.
3. THE CONTRACTOR SHALL PROVIDE CONSTRUCTION BARRIERS TO CONTROL AIR CURRENTS AND SOIL BLOWING, IF REQUIRED

POLLUTION PREVENTION NOTES

1. EROSION AND SEDIMENT CONTROL BMPS 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. BMPS SHALL BE DESIGNED, INSTALLED, AND MAINTAINED BY THE SITE OPERATOR TO ENSURE THAT OFF-SITE SURFACE WATER QUALITY REMAINS CONSISTENT WITH 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, OR DISCHARGES TO ON-SITE 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, 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 (NPDES):
   7.1. 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.
   7.2. A COPY OF THE CERTIFIED NPDES NOTICE OF INTENT (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.
   7.3. 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.
   7.4. THE SWPPP SHALL BE CERTIFIED IN ACCORDANCE WITH RULE 62-621.300(4)(a)PART V.D.6, F.A.C.,
   7.5. 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.

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

MAINTENANCE NOTES

NPDES 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 INCHES 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 NPDES COMPLIANCE.

1. INSPECTIONS BY CONTRACTOR MUST OCCUR AT LEAST ONCE A WEEK OR WITHIN 24 HOURS OF A STORM EVENT 0.5 INCHES 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, FOULING 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 NPDES QUALIFIED INSPECTOR. IF REPAIR 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 NPDES PERMIT. BY BIDDING DOCUMENTS CONTRACTOR ACKNOWLEDGES HE/SHE IS AWARE OF NPDES GUIDELINES AND POLICIES AS WELL AS BEST MANAGEMENT PRACTICES AND ASSUMES SOLE RESPONSIBILITY FOR FINES IMPOSED BY GOVERNMENTAL AGENCIES DUE TO VIOLATION.

SOIL CHARACTERISTICS CHART

TYPE OF SOIL	MATLACHA GRAVELLY FINE SAND-URBAN LAND COMPLEX (7)
PERCENT OF SITE COVERAGE	100%
HYDROLOGIC SOIL GROUP	B
DEPTH TO RESTRICTIVE LAYER	> 80 INCHES
SOIL PERMEABILITY	1.98 TO 5.95 IN / HR
DEPTH TO WATER TABLE	18 TO 42 INCHES

STABILIZATION SPECIFICATIONS:

1.A. TEMPORARY SEEDING AND MULCHING:
GROUND LIMESTONE - APPLIED UNIFORMLY ACCORDING TO SOIL TEST RECOMMENDATIONS.
FERTILIZER - APPLY 11LBS./1,000 SF OF 10-20-10 OR EQUIVALENT WITH 50% WATER INSOLUBLE NITROGEN (UNLESS A SOIL TEST INDICATES OTHERWISE) WORKED INTO THE SOIL A MINIMUM OF 4".
SEED - PERENNIAL RYEGRASS 100 LBS/ACRE (2.3 LBS./1,000 SF) OR OTHER APPROVED SEEDS; PLANT BETWEEN MARCH 1 AND MAY 15 OR BETWEEN AUGUST 15 AND OCTOBER 1.
MULCH - UNROTTED STRAW OR HAY AT A RATE OF 70 TO 90 LBS./1,000 SF APPLIED TO ACHIEVE 95% SOIL SURFACE COVERAGE. MULCH SHALL BE ANCHORED BY APPROVED METHODS (I.E. PEG AND TWINE, MULCH NETTING, OR LIQUID MULCH BINDER).

1.B. PERMANENT SEEDING AND MULCHING:
TOPSOIL - UNIFORM APPLICATION TO A DEPTH OF 5" (UNSETTLED).
GROUND LIMESTONE - APPLIED UNIFORMLY ACCORDING TO SOIL TEST RECOMMENDATIONS.
FERTILIZER - APPLY 11 LBS./1,000 SF OF 10-10-10 OR EQUIVALENT WITH 50% WATER INSOLUBLE NITROGEN (UNLESS A SOIL TEST INDICATES OTHERWISE) WORKED INTO THE SOIL A MINIMUM OF 4".
SEED - TURF TYPE TALL FESCUE (BLEND OF 3 CULTIVARS) 350 LBS./ACRE (8 LBS./1,000 SF) OR OTHER APPROVED SEEDS; PLANT BETWEEN MARCH 1 AND OCTOBER 1 (SUMMER SEEDINGS REQUIRE IRRIGATION)
MULCH - UNROTTED STRAW OR HAY AT A RATE OF 70 TO 90 LBS./1,000 SF APPLIED TO ACHIEVE 95% SOIL SURFACE COVERAGE. MULCH SHALL BE ANCHORED BY APPROVED METHODS (I.E. PEG AND TWINE, MULCH NETTING, OR LIQUID MULCH BINDER).

SEQUENCE OF CONSTRUCTION

UPON IMPLEMENTATION AND INSTALLATION OF THE FOLLOWING AREAS; TRAILER, PARKING, LAYDOWN, PORTABLE RESTROOMS, WHEELED WASTE DISPOSAL DUMPSTER(S), WHEEL WASH, 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 I
1. CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE AND INSTALL SILT FENCE.
2. INSTALL INLET PROTECTION AT EXISTING INLET(S).
3. PREPARE DEMOLITION OF EXISTING SITE FEATURES AS DETAILED ON SHEET C-2.

PHASE II
1. INSTALL STORMWATER CONVEYANCE STRUCTURES AND CULVERTS, ENSURE THAT NEW INLETS ARE PROTECTED PRIOR TO MAKING THE OUTFALL CONNECTION.
2. PERFORM MASS GRADING, ROUGH GRADE TO ESTABLISH PROVIDED DRAINAGE PATTERNS.
3. START CONSTRUCTION OF THE PROVIDED BUILDING PAD AND STRUCTURES.
4. TEMPORARY 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.

DEWATERING NOTE

THE CONTRACTOR MUST PROVIDE A DEWATERING PLAN, IN ACCORDANCE WITH SECTION 10-329 OF THE LEE COUNTY DEVELOPMENT CODE.

ALL SITE FEATURES WITHIN THE LIMIT OF DISTURBANCE INDICATED ON THIS PLAN ARE TO BE REMOVED / DEMOLISHED UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL NOTIFY STONEFIELD ENGINEERING & DESIGN, LLC. IF SIGNIFICANT DISCREPANCIES ARE DISCERNED BETWEEN THIS PLAN AND FIELD CONDITIONS

SITE DEVELOPMENT PLANS

CAR WASH FLORIDA

LEHIGH ACRES
PROPOSED CARWASH

PARCEL ID: 25-44-26-B0006.3.0100 & 25-44-26B0500063.0120
2701 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

JAMES S. KINOSIAN, P.E.
FLORIDA LICENSE No. 86000
LICENSED PROFESSIONAL ENGINEER
FLORIDA BUSINESS CERT. OF AUTH. No. 30078

STONEFIELD engineering & design

SCALE: AS SHOWN | PROJECT ID: TAM-250036

TITLE:
DEMOLITION & SOIL EROSION & SEDIMENT CONTROL NOTES & DETAILS

DRAWING:
C-10

Z:\PMPLTAM\2025\TAM-250036 EL CAR WASH - 2701 LEE BOULEVARD, LEHIGH ACRES, FL\CAD\PLOT\DP-PLSEC.DWG

IRRIGATION NOTE:

IRRIGATION CONTRACTOR TO PROVIDE A DESIGN FOR AN IRRIGATION SYSTEM SEPARATING PLANTING BEDS FROM LAWN AREA. PRIOR TO CONSTRUCTION, DESIGN IS TO BE SUBMITTED TO THE PROJECT LANDSCAPE DESIGNER FOR REVIEW AND APPROVAL. WHERE POSSIBLE, DRIP IRRIGATION AND OTHER WATER CONSERVATION TECHNIQUES SUCH AS RAIN SENSORS SHALL BE IMPLEMENTED. CONTRACTOR TO VERIFY MAXIMUM ON SITE DYNAMIC WATER PRESSURE AVAILABLE MEASURED IN PSI. PRESSURE REDUCING DEVICES OR BOOSTER PUMPS SHALL BE PROVIDED TO MEET SYSTEM PRESSURE REQUIREMENTS. DESIGN TO SHOW ALL VALVES, PIPING, HEADS, BACKFLOW PREVENTION, METERS, CONTROLLERS, AND SLEEVES WITHIN HARDSCAPE AREAS.

LANDSCAPING NOTES

1. THE CONTRACTOR SHALL RESTORE ALL DISTURBED GRASS AND LANDSCAPED AREAS TO MATCH EXISTING CONDITIONS UNLESS INDICATED OTHERWISE WITHIN THE PLAN SET.
2. THE CONTRACTOR SHALL RESTORE ALL DISTURBED LAWN AREAS WITH A MINIMUM 4 INCH LAYER OF TOPSOIL AND SEED.
3. THE CONTRACTOR SHALL RESTORE MULCH AREAS WITH A MINIMUM 3 INCH LAYER OF MULCH .
4. THE MAXIMUM SLOPE ALLOWABLE IN LANDSCAPE RESTORATION AREAS SHALL BE 3 FEET HORIZONTAL TO 1 FOOT VERTICAL (3:1 SLOPE) UNLESS INDICATED OTHERWISE WITHIN THE PLAN SET.
5. THE CONTRACTOR IS REQUIRED TO LOCATE ALL SPRINKLER HEADS IN AREA OF LANDSCAPING DISTURBANCE PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL RELOCATE SPRINKLER HEADS AND LINES IN ACCORDANCE WITH OWNER'S DIRECTION WITHIN AREAS OF DISTURBANCE.
6. THE CONTRACTOR SHALL ENSURE THAT ALL DISTURBED LANDSCAPED AREAS ARE GRADED TO MEET FLUSH AT THE ELEVATION OF WALKWAYS AND TOP OF CURB ELEVATIONS EXCEPT UNLESS INDICATED OTHERWISE WITHIN THE PLAN SET. NO ABRUPT CHANGES IN GRADE ARE PERMITTED IN DISTURBED LANDSCAPING AREAS.

BUFFER PLANTING HEIGHT:

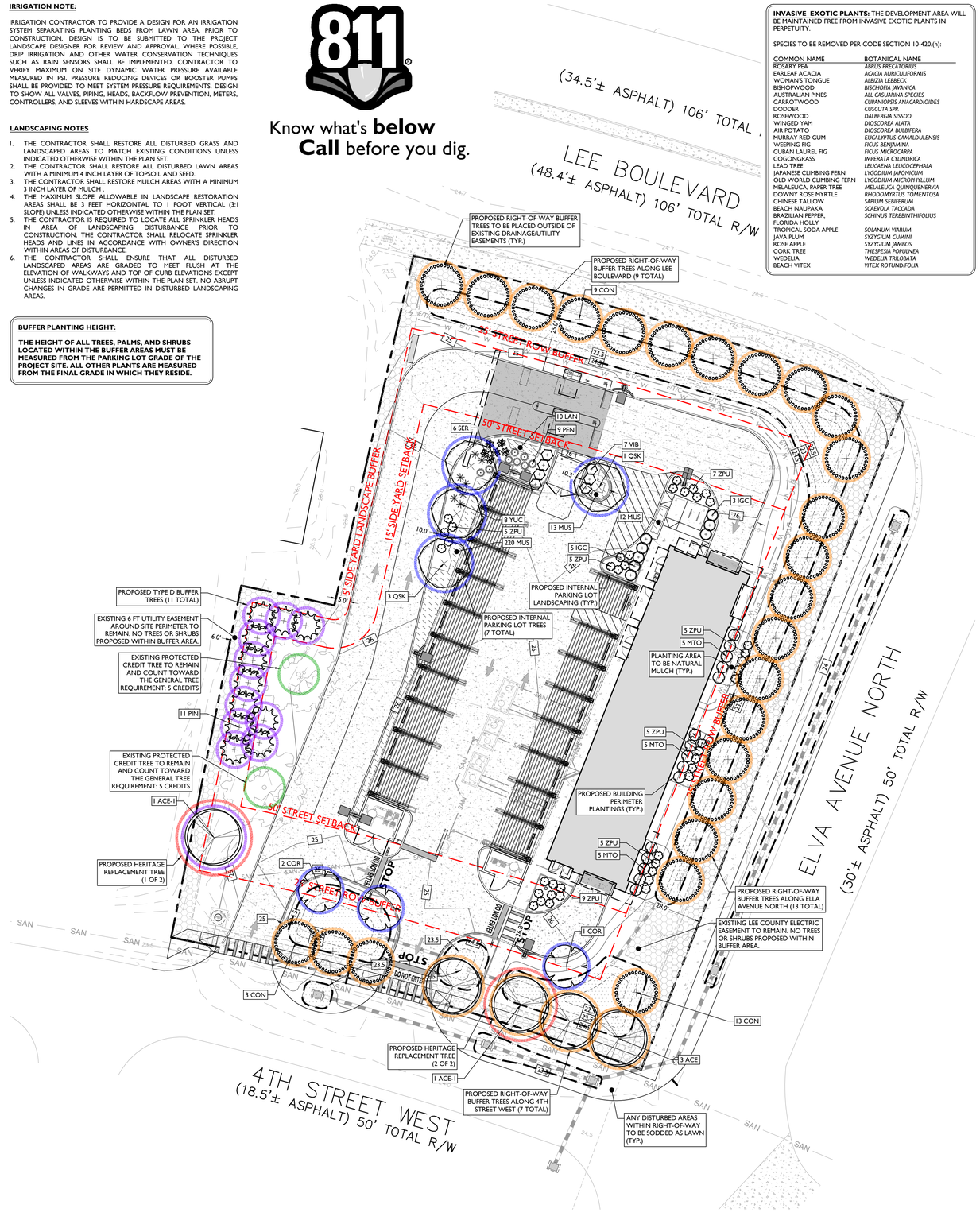
THE HEIGHT OF ALL TREES, PALMS, AND SHRUBS LOCATED WITHIN THE BUFFER AREAS MUST BE MEASURED FROM THE PARKING LOT GRADE OF THE PROJECT SITE. ALL OTHER PLANTS ARE MEASURED FROM THE FINAL GRADE IN WHICH THEY RESIDE.

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

INVASIVE EXOTIC PLANTS: THE DEVELOPMENT AREA WILL BE MAINTAINED FREE FROM INVASIVE EXOTIC PLANTS IN PERPETUITY.

SPECIES TO BE REMOVED PER CODE SECTION 10-420.(h):

COMMON NAME	BOTANICAL NAME
ROSARY PEA	*ABRUS PRECATORIUS*
EARLEAF ACACIA	*ACACIA AURICULIFORMIS*
WOMAN'S TONGUE	*ALBIZIA LEBBECK*
BISHOPWOOD	*BISCHOFIA JAVANICA*
AUSTRALIAN PINES	*ALL CASUARINA SPECIES*
CARROTWOOD	*CUPANIOPSIS ANACARDIOIDES*
DODDER	*CUSCUTA SPP.*
ROSEWOOD	*DALBERGIA SISSOO*
WINGED YAM	*DIOSCOREA ALATA*
AIR POTATO	*DIOSCOREA BULBIFERA*
MURRAY RED GUM	*EUCALYPTUS CAMALDULENSIS*
WEEPING FIG	*FICUS BENJAMINA*
CUBAN LAUREL FIG	*FICUS MICROCARPA*
COGONGRASS	*IMPERATA CYLINDRICA*
LEAD TREE	*LEUCAENA LEUCOCEPHALA*
JAPANESE CLIMBING FERN	*LYGODIUM JAPONICUM*
OLD WORLD CLIMBING FERN	*LYGODIUM MICROPHYLLUM*
MELALEUCA, PAPER TREE	*MELALEUCA QUINQUENERVIA*
DOWNY ROSE MYRTLE	*RHODOMYRTUS TOMENTOSA*
CHINESE TALLOW	*SAPIUM SEBIFERUM*
BEACH NAUPAKA	*SCAEVOLA TACCADA*
BRAZILIAN PEPPER, FLORIDA HOLLY	*SCHINUS TEREBINTHIFOLIUS*
TROPICAL SODA APPLE	*SOLANUM VIARUM*
JAVA PLUM	*SYZYGIUM CUMINI*
ROSE APPLE	*SYZYGIUM JAMBOS*
CORK TREE	*THESPESIA POPULNEA*
WEDELIA	*WEDELIA TRILOBATA*
BEACH VITEX	*VITEX ROTUNDIFOLIA*



PLANT SCHEDULE

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE (HT.)	SIZE (SPR.)(*)	CONTAINER	SPACING	FLORIDA PLANT GRADE
DECIDUOUS TREES									
	ACE-1	2	ACER RUBRUM	RED MAPLE	3.5" - 4" CAL MIN. 20' HT	6' +	B&B	AS SHOWN	FLORIDA #1
	ACE	3	ACER RUBRUM	RED MAPLE	2" - 2.5" CAL MIN. 10' HT	6' +	B&B	AS SHOWN	FLORIDA #1
	COR	3	CORNUS FOEMINA	STIFF DOGWOOD	2" - 2.5" CAL MIN. 10' HT	6' +	B&B	AS SHOWN	FLORIDA #1
	QSK	4	QUERCUS VIRGINIANA 'SKY CLIMBER'	SKY CLIMBER SOUTHERN LIVE OAK	2" - 2.5" CAL MIN. 10' HT	6' +	B&B	AS SHOWN	FLORIDA #1
EVERGREEN TREES									
	CON	25	CONOCARPUS ERECTUS F. SERICEUS	SILVER BUTTONWOOD	3.5" - 4" CAL MIN. 16.5' HT	6' +	B&B	AS SHOWN	FLORIDA #1
	PIN	11	SLASH PINE	PINUS ELLIOTTII	10' - 12' HT	5' +	B&B	AS SHOWN	FLORIDA #1
SHRUBS									
	MTO	15	MYRICA CERIFERA	WAX MYRTLE	24" - 30"	24" - 30"	POT	AS SHOWN	FLORIDA #1
	SER	6	SERENOA REPENS	SAW PALMETTO	24" - 30"	24" - 30"	POT	AS SHOWN	FLORIDA #1
	ZPU	41	ZAMIA PUMILA	COONTIE CYCAD	24" - 30"	24" - 30"	POT	AS SHOWN	FLORIDA #1
EVERGREEN SHRUBS									
	IGC	8	ILEX GLABRA 'COMPACTA'	COMPACT INKBERRY	24" - 30"	24" - 30"	POT	AS SHOWN	FLORIDA #1
	VIB	7	VIBURNUM OBOVATUM	WALTER'S VIBURNUM	24" - 30"	24" - 30"	POT	AS SHOWN	FLORIDA #1
	YUC	8	YUCCA FILAMENTOSA	ADAM'S NEEDLE	18" - 24"	18" - 24"	POT	AS SHOWN	FLORIDA #1
GRASSES									
	PEN	9	PENNISETUM SETACEUM	FOUNTAIN GRASS	6" - 12"	3" - 6"	1 GAL., POT	AS SHOWN	FLORIDA #1
SHRUB AREAS									
	LAN	10	LANTANA 'X 'CHAPEL HILL YELLOW'	CHAPEL HILL YELLOW LANTANA	6" - 12"	3" - 6"	1 GAL., POT	24" o.c.	FLORIDA #1
	MUS	245	LIRIOPE MUSCARI	LILYTURF	6" - 12"	3" - 6"	1 GAL., POT	18" o.c.	FLORIDA #1

(*) SIZE INDICATED IS GENERAL SUGGESTION AND NOT REQUIRED BY LDC.
NOTE: IF ANY DISCREPANCIES OCCUR BETWEEN AMOUNTS SHOWN ON THE LANDSCAPE PLAN AND WITHIN THE PLANT LIST, THE PLAN SHALL DICTATE.

LANDSCAPING AND BUFFER REQUIREMENTS

CODE SECTION	REQUIRED	PROPOSED
§ 10-415.(a)	OPEN SPACE	
	SMALL[1] COMMERCIAL DEVELOPMENTS: 20%	
	(44,585 SF) * (0.20) = 8,917 SF	16,678 SF (37%)
	MINIMUM WIDTH: 10 FT	COMPLIES
	MINIMUM AREA: 180 FT	COMPLIES
§ 10-416.(a)(3)	GENERAL TREES	
	1 TREE FOR EVERY 3,500 SF OF DEVELOPMENT AREA	
	(23,532 SF) * (1 TREE / 3,500 SF) = 7 TREES	10 TREE CREDITS[2]
§ 10-416.(a)(4)	HERITAGE TREES	
	1 NATIVE CANOPY TREE FOR EVERY HERITAGE TREE REMOVED	
	MINIMUM REPLACEMENT TREE HEIGHT: 20 FT	COMPLIES
	(2 HERITAGE TREES REMOVED * 1 TREE) = 2 TREES	2 TREES
§ 10-416.(b)	BUILDING PERIMETER PLANTINGS	
	PERIMETER PLANTINGS EQUAL TO 10% OF PROPOSED BUILDING GROSS GROUND LEVEL FLOOR AREA REQUIRED	
	(3,373 SF) * (0.10) = 347 SF	594 SF (17%)
	PLANTINGS MUST ABUT THREE SIDES OF BUILDING	COMPLIES
	MINIMUM WIDTH: 5 FT	5.0 FT
	SHRUBS AND GROUNDCOVER REQUIRED	COMPLIES
§ 10-416.(c)(2)a.	INTERNAL LANDSCAPING	
	1 TREE FOR EVERY 250 SF OF REQUIRED INTERNAL PLANTING AREA	
	(1,825 SF) * (1 TREE / 250 SF) = 7 TREES	7 TREES
	NO PARKING SPACE MAY BE MORE THAN 200 FT FROM A TREE	COMPLIES
§ 10-416.(c)(2)b.	MINIMUM 10% INTERIOR LANDSCAPING REQUIRED	
	(18,250 SF) * (0.10) = 1,825 SF	2,634 SF (14%)
§ 10-416.(c)(2)c.	MINIMUM WIDTH: 10 FT	12.1 FT
	NO MORE THAN 13 SPACES IN A ROW WITHOUT LANDSCAPED ISLANDS	COMPLIES; 10 SPACES
§ 10-416.(c)(2)g.	ALL INTERIOR ISLANDS NOT DEDICATED TO TREES MUST BE LANDSCAPED WITH GRASS, GROUNDCOVER, OR SHRUBS. SAND, GRAVEL, ROCK, SHELL, OR PAVEMENT ARE NOT PERMITTED.	COMPLIES
§ 10-416.(d)(3)	BUFFERING	
	BUFFER TYPE A REQUIRED WHERE COMMERCIAL ABUTS COMMERCIAL	COMPLIES
§ 10-416.(d)(4)	BUFFER TYPE A	
	MINIMUM WIDTH: 5 FT	WEST: 5.0 FT
	4 TREES FOR EVERY 100 LF OF BUFFER	
	(285 FT) * (4 TREES / 100 FT) = 11 TREES	11 TREES
	BUFFER TYPE D	
	MINIMUM WIDTH: 15 FT	LEE BOULEVARD: 25.0 FT ELVA AVENUE: 28.0 FT 4TH STREET WEST: 26.8 FT
	5 TREES FOR EVERY 100 LF OF BUFFER	
	LEE BOULEVARD: 179 LF	
	(179 FT) * (5 TREES / 100 FT) = 9 TREES	9 TREES
	ELVA AVENUE NORTH: 252 LF	
	(252 FT) * (5 TREES / 100 FT) = 13 TREES	13 TREES
	4TH STREET WEST: 133 LF	
	(133 FT) * (5 TREES / 100 FT) = 7 TREES	7 TREES
	HEDGE REQUIRED CONSISTING OF DOUBLE STAGGERED ROWS OF 36" HIGH SHRUBS	NOT PROVIDED DUE TO SITE CONSTRAINTS (D)
§ 10-416.(d)(10)	BUFFERING	
	BUFFER TYPE D REQUIRED FOR ALL FREESTANDING PARKING AREAS ALONG RIGHT-OF-WAY	COMPLIES

(D) DEVIATION
(1) PER § 10-1., SMALL DEVELOPMENT MEANS A PROJECT OF LESS THAN 10 ACRES IN LAND AREA. THE SITE IS 1.02 ACRE IN LAND AREA.
(2) PER § 10-420.(j)(2), EACH EXISTING NATIVE TREE PRESERVED 4" DBH OR GREATER WILL RECEIVE CREDIT OF FIVE TREES.

LANDSCAPING AND BUFFER REQUIREMENTS (CONTINUED)

CODE SECTION	REQUIRED	PROPOSED
§ 10-421.(a)(2)	PLANT INSTALLATION	
	TREES & SHRUBS USED IN BUFFERS MUST BE PLANTED IN A MINIMUM WIDTH AREA EQUAL TO 1/2 THE REQUIRED BUFFER WIDTH, IN NO CASE MAY THE PLANTING AREA BE LESS THAN 5 FT WIDTH.	COMPLIES
§ 10-421.(a)(5)	UTILITY/DRAINAGE EASEMENTS MAY OVERLAP REQUIRED BUFFERS. NO TREES/SHRUBS MAY BE LOCATED IN EASEMENT UNLESS A WRITTEN STATEMENT IS SUBMITTED STATING THAT THE ENTITY HAS NO OBJECTION & THAT THE PROPOSED LANDSCAPING WILL NOT INTERFERE WITH THE LONG-TERM MAINTENANCE OF THE AREA. NO LANDSCAPING MAY BE LOCATED IN ANY STREET EASEMENT OR RIGHT-OF-WAY. ONLY TREES < 20 FT HT MAY BE USED DIRECTLY ADJACENT TO OVERHEAD UTILITIES.	COMPLIES; NO TREES OR SHRUBS PROPOSED WITHIN EXISTING EASEMENTS
	MIXED-USE OVERLAY	
§ 10-425.(a)	SMALL[1] COMMERCIAL DEVELOPMENTS: 10%	
	(44,585 SF) * (0.10) = 4,459 SF	16,678 SF (37%)
§ 10-425.(b)	1 TREE FOR EVERY 1,000 SF OF OPEN SPACE	
	(4,459 SF) * (1 TREE / 1,000 SF) = 4 TREES	10 TREE CREDITS[2]
§ 10-425.(e)	BUILDING PERIMETER PLANTING REQUIRED ON 2 SIDES OF BUILDING MOST VISIBLE TO PUBLIC	COMPLIES
§ 10-425.(f)(1)	5 FT BUFFER REQUIRED ALONG R.O.W. WITH 5 TREES FOR EVERY 100 LF	LEE BOULEVARD: 25.0 FT ELVA AVENUE: 28.0 FT 4TH STREET WEST: 26.8 FT
	LEE BOULEVARD: 179 LF	
	(179 FT) * (5 TREES / 100 FT) = 9 TREES	9 TREES
	ELVA AVENUE NORTH: 252 LF	
	(252 FT) * (5 TREES / 100 FT) = 13 TREES	13 TREES
	4TH STREET WEST: 133 LF	
	(133 FT) * (5 TREES / 100 FT) = 7 TREES	7 TREES
	LEHIGH ACRES COMMUNITY PLAN AREA	
§ 33-1405.(b)	NO MORE THAN 10% OF THE REQUIRED INTERNAL LANDSCAPE AREA MAY BE SOD	
	(1,826 SF) * (0.10) = 183 SF	COMPLIES[3]
	R.O.W. BUFFER LANDSCAPING	
§ 34-1352.(g)(1)a.	MINIMUM WIDTH: 25 FT	LEE BOULEVARD: 25.0 FT ELVA AVENUE: 28.0 FT 4TH STREET WEST: 26.8 FT
§ 34-1352.(g)(1)b.	UNDULATING BERM REQUIRED FOR PROJECTS WITH AN OPEN DRAINAGE SYSTEM	COMPLIES
§ 34-1352.(g)(1)c.	5 TREES FOR EVERY 100 LF OF BUFFER	
	LEE BOULEVARD: 179 LF	
	(179 FT) * (5 TREES / 100 FT) = 9 TREES	9 TREES
	ELVA AVENUE NORTH: 252 LF	
	(252 FT) * (5 TREES / 100 FT) = 13 TREES	13 TREES
	4TH STREET WEST: 133 LF	
	(133 FT) * (5 TREES / 100 FT) = 7 TREES	7 TREES
	LANDSCAPING ADJACENT TO PROPERTY LINES	
§ 34-1352.(g)(2)a.	SINGLE HEDGE ROW REQUIRED WITHIN SIDE PROPERTY BOUNDARY	NOT PROVIDED DUE TO SITE CONSTRAINTS (D)
	STREET R.O.W. BUFFER LANDSCAPING (CAR WASH)	
§ 34-1353.(e)(1)	MINIMUM WIDTH: 25 FT	ELVA AVENUE: 28.0 FT
	MINIMUM WIDTH ABUTTING INTERNAL DRIVE: 15 FT	LEE BOULEVARD: 25.0 FT 4TH STREET WEST: 26.8 FT
§ 34-1353.(e)(2)	UNDULATING BERM REQUIRED FOR PROJECTS WITH AN OPEN DRAINAGE SYSTEM	COMPLIES
§ 34-1353.(e)(3)	5 TREES FOR EVERY 100 LF OF BUFFER	
	LEE BOULEVARD: 179 LF	
	(179 FT) * (5 TREES / 100 FT) = 9 TREES	9 TREES
	ELVA AVENUE NORTH: 252 LF	
	(252 FT) * (5 TREES / 100 FT) = 13 TREES	13 TREES
	4TH STREET WEST: 133 LF	
	(133 FT) * (5 TREES / 100 FT) = 7 TREES	7 TREES
§ 34-1353.(e)(4)	SHRUBS REQUIRED 3 FT O.C.	NOT PROVIDED DUE TO SITE CONSTRAINTS (D)

(D) DEVIATION
(1) PER § 10-1., SMALL DEVELOPMENT MEANS A PROJECT OF LESS THAN 10 ACRES IN LAND AREA. THE SITE IS 1.02 ACRE IN LAND AREA.
(2) PER § 10-420.(j)(2), EACH EXISTING NATIVE TREE PRESERVED 4" DBH OR GREATER WILL RECEIVE CREDIT OF FIVE TREES.
(3) NO SOD OR LAWN PROPOSED WITHIN REQUIRED INTERNAL LANDSCAPE AREA.

SYMBOL	DESCRIPTION
	PROPOSED INTERNAL TREES
	PROPOSED GENERAL TREES
	PROPOSED R.O.W. BUFFER TREES
	PROPOSED TYPE A BUFFER TREES
	PROPOSED HERITAGE REPLACEMENT TREES

20' 0' 20' 40'
GRAPHIC SCALE IN FEET
1" = 20'

ISSUE	DATE	BY	DESCRIPTION
4	11/26/2025	GPG	FOR COUNTY RESUBMISSION - DOT
3	08/14/2025	GPG	FOR COUNTY SUBMISSION
3	07/10/2025	GPG	FOR 90% CLIENT REVIEW
2	06/27/2025	KGR	FOR 60% CLIENT REVIEW
1	06/13/2025	GPG	FOR CLIENT REVIEW

FOR CONSTRUCTION

STONEFIELD engineering & design
Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com
Rivergate Tower, 400 N Ashley Drive, Suite 1950, Tampa, FL 33602
Phone 813.792.2200

SITE DEVELOPMENT PLANS

CAR WASH FLORIDA

LEHIGH ACRES
PROPOSED CARWASH

PARCEL ID: 34-45-26-00-00063.0100 & 25-45-26-00-00083.0120
2701 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

PAUL DEVITTO, L.L.A.
FLORIDA LICENSE No. LA6667607
LICENSED LANDSCAPE ARCHITECT

STONEFIELD engineering & design

SCALE: 1" = 20' | PROJECT ID: TAM-250036

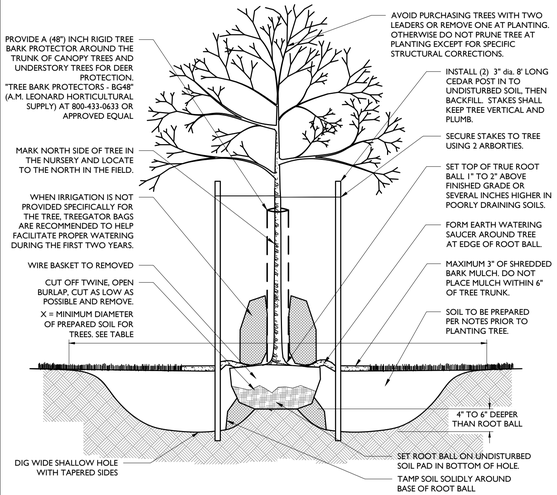
TITLE: **LANDSCAPING PLAN**

DRAWING: **C-11**

Z:\TAMPA\TAM\2025\TAM 250036 EL CAR WASH - 2701 LEE BOULEVARD, LEHIGH ACRES, FL\CAD\PLOT\SDP-11-LANDSCAPING

NOTES:

1. FOR CONTAINER-GROWN TREES, USE FINGERS OR SMALL HAND TOOLS TO PULL THE ROOTS OUT OF THE OUTER LAYER OF POTTING SOIL; THEN CUT OR PULL APART ANY ROOTS CIRCLING THE PERIMETER OF THE CONTAINER.
2. THOROUGHLY SOAK THE TREE ROOT BALL AND ADJACENT PREPARED SOIL SEVERAL TIMES DURING THE FIRST MONTH AFTER PLANTING AND REGULARLY THROUGHOUT THE FOLLOWING TWO SUMMERS.
3. SOIL AMENDMENTS:
   - MODIFY HEAVY CLAY OR SILT SOILS (MORE THAN 40% CLAY OR SILT) BY ADDING COMPOSTED PINE BARK (UP TO 30% BY VOLUME) OR GYPSUM
   - MODIFY EXTREMELY SANDY SOILDS (MORE THAN 85% SAND) BY ADDING ORGANIC MATTER AND/OR DRY, SHREDDED CLAY LOAM UP TO 30% OF THE TOTAL MIX



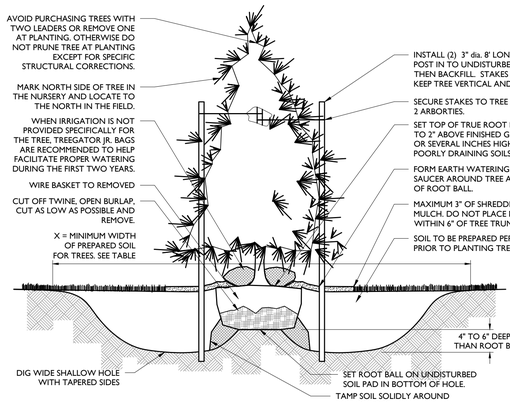
DECIDUOUS TREE PLANTING DETAIL

NOT TO SCALE

1

NOTES:

1. FOR CONTAINER-GROWN TREES, USE FINGERS OR SMALL HAND TOOLS TO PULL THE ROOTS OUT OF THE OUTER LAYER OF POTTING SOIL; THEN CUT OR PULL APART ANY ROOTS CIRCLING THE PERIMETER OF THE CONTAINER.
2. THOROUGHLY SOAK THE TREE ROOT BALL AND ADJACENT PREPARED SOIL SEVERAL TIMES DURING THE FIRST MONTH AFTER PLANTING AND REGULARLY THROUGHOUT THE FOLLOWING TWO SUMMERS.
3. SOIL AMENDMENTS:
   - MODIFY HEAVY CLAY OR SILT SOILS (MORE THAN 40% CLAY OR SILT) BY ADDING COMPOSTED PINE BARK (UP TO 30% BY VOLUME) OR GYPSUM
   - MODIFY EXTREMELY SANDY SOILS (MORE THAN 85% SAND) BY ADDING ORGANIC MATTER AND/OR DRY, SHREDDED CLAY LOAM UP TO 30% OF THE TOTAL MIX

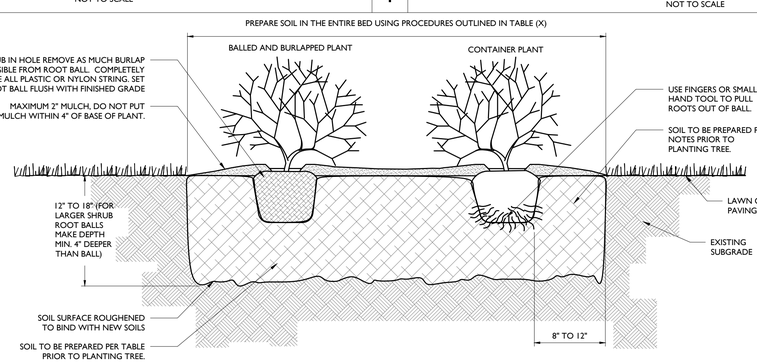


CONIFEROUS TREE PLANTING DETAIL

NOT TO SCALE

2

PREPARE SOIL IN THE ENTIRE BED USING PROCEDURES OUTLINED IN TABLE (X)



DECIDUOUS AND EVERGREEN SHRUB PLANTING DETAIL

NOT TO SCALE

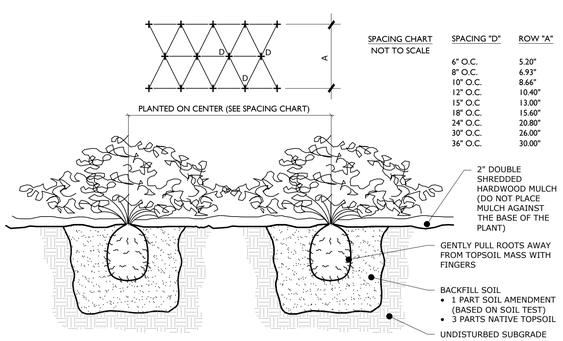
3

NOTES:

1. FOR THE CONTAINER-GROWN SHRUBS, USE FINGERS OR SMALL HAND TOOL TO PULL THE ROOTS OUT OF THE OUTER LAYER OF POTTING SOIL; THEN CUT OR PULL APART ANY ROOTS CIRCLING THE PERIMETER OF THE CONTAINER.
2. THOROUGHLY SOAK THE SHRUB ROOT BALL AND ADJACENT PREPARED SOIL SEVERAL TIMES DURING THE FIRST MONTH AFTER PLANTING AND REGULARLY THROUGHOUT THE FOLLOWING TWO SUMMERS.
   - MODIFY HEAVY CLAY OR SILT SOILS (MORE THAN 40% CLAY OR SILT) BY ADDING COMPOSTED PINE BARK (UP TO 30% BY VOLUME) OR GYPSUM
   - MODIFY EXTREMELY SANDY SOILS (MORE THAN 85% SAND) BY ADDING ORGANIC MATTER AND/OR DRY, SHREDDED CLAY LOAM UP TO 30% OF THE TOTAL

NOTES:

1. THOROUGHLY SOAK THE GROUND COVER ROOT BALL AND ADJACENT PREPARED SOIL SEVERAL TIMES DURING THE FIRST MONTH AFTER PLANTING AND REGULARLY THROUGHOUT THE FOLLOWING TWO SUMMERS.
2. SOIL AMENDMENTS:
   - MODIFY HEAVY CLAY OR SILT SOILDS (MORE THAN 40% CLAY OR SILT) BY ADDING COMPOSTED PINE BARK (UP TO 30% BY VOLUME) OR GYPSUM
   - MODIFY EXTREMELY SANDY SOILDS (MORE THAN 85% SAND) BY ADDING ORGANIC MATTER AND/OR DRY, SHREDDED CLAY LOAM UP TO 30% OF THE TOTAL MIX
3. ALL GROUND COVER AREAS SHALL BE TREATED WITH A PRE-EMERGENT PER MANUFACTURER'S SPECIFICATIONS



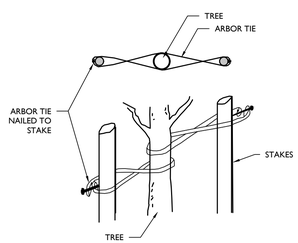
SPACING CHART
NOT TO SCALE

SPACING "D"	ROW "A"
6" O.C.	5.20"
8" O.C.	6.93"
10" O.C.	8.66"
12" O.C.	10.40"
15" O.C.	13.00"
18" O.C.	15.60"
24" O.C.	20.80"
30" O.C.	26.00"
36" O.C.	30.00"

GROUND COVER/PERENNIAL/ANNUAL PLANTING DETAIL

NOT TO SCALE

4



INSTALLATION GUIDELINES:

1. LOOP TIE AROUND TREE AND NAIL TO CEDAR STAKE.
2. REMOVE ALL STAKING AND TIES AT END OF FIRST GROWING SEASON.
3. FOLD ENDS OF ARBORTIE BACK. SECURE TO STAKES WITH 1" GALVANIZED ROOFING NAIL OR USE A KNOT.
4. CONSULT LANDSCAPE ARCHITECT FOR STAKING OF TREES LARGER THAN 6".
5. SOURCES INCLUDE:
   GEMPLERS 1-800-332-6744 or GEMPLERS.COM
   CSP OUTDOORS 1-800-592-6940 or CSPOUTDOORS.COM

ARBORTIE DETAIL

NOT TO SCALE

5

GENERAL LANDSCAPING NOTES:

1. THE LANDSCAPE CONTRACTOR SHALL FURNISH ALL MATERIALS AND PERFORM ALL WORK IN ACCORDANCE WITH THESE SPECIFICATIONS, APPROVED OR FINAL DRAWINGS, AND INSTRUCTIONS PROVIDED BY THE PROJECT LANDSCAPE DESIGNER, MUNICIPAL OFFICIALS, OR OWNER/OWNER'S REPRESENTATIVE. ALL WORK COMPLETED AND MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH THE INTENTION OF THE SPECIFICATIONS, DRAWINGS, AND INSTRUCTIONS AND EXECUTED WITH THE STANDARD LEVEL OF CARE FOR THE LANDSCAPE INDUSTRY.
2. WORK MUST BE CARRIED OUT ONLY DURING WEATHER CONDITIONS FAVORABLE TO LANDSCAPE CONSTRUCTION AND TO THE HEALTH AND WELFARE OF PLANTS. THE SUITABILITY OF SUCH WEATHER CONDITIONS SHALL BE DETERMINED BY THE PROJECT LANDSCAPE DESIGNER OR GOVERNING MUNICIPAL OFFICIAL.
3. IT IS THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR, BEFORE ORDERING OR PURCHASING MATERIALS, TO PROVIDE SAMPLES OF THOSE MATERIALS TO THE PROJECT LANDSCAPE DESIGNER OR GOVERNING MUNICIPAL OFFICIAL FOR APPROVAL, IF SO REQUESTED.
4. IF SAMPLES ARE REQUESTED, THE LANDSCAPE CONTRACTOR IS TO SUBMIT CERTIFICATION TAGS FROM TREES, SHRUBS AND SEED VERIFYING TYPE AND PURITY.
5. UNLESS OTHERWISE AUTHORIZED BY THE PROJECT LANDSCAPE DESIGNER OR GOVERNING MUNICIPAL OFFICIAL, THE LANDSCAPE CONTRACTOR SHALL PROVIDE NOTICE AT LEAST FORTY-EIGHT HOURS (48 HRS.) IN ADVANCE OF THE ANTICIPATED DELIVERY DATE OF ANY PLANT MATERIALS TO THE PROJECT SITE. A LEGIBLE COPY OF THE INVOICE, SHOWING VARIETIES AND SIZES OF MATERIALS INCLUDED FOR EACH SHIPMENT SHALL BE FURNISHED TO THE PROJECT LANDSCAPE DESIGNER, OR GOVERNING MUNICIPAL OFFICIAL.
6. THE PROJECT LANDSCAPE DESIGNER OR GOVERNING MUNICIPAL OFFICIAL RESERVES THE RIGHT TO INSPECT AND REJECT PLANTS AT ANY TIME AND AT ANY PLACE.

PROTECTION OF EXISTING VEGETATION NOTES:

1. BEFORE COMMENCING WORK, ALL EXISTING VEGETATION WHICH COULD BE IMPACTED AS A RESULT OF THE PROPOSED CONSTRUCTION ACTIVITIES MUST BE PROTECTED FROM DAMAGE BY THE INSTALLATION OF TREE PROTECTION FENCING. FENCING SHALL BE LOCATED AT THE DRIP-LINE OR LIMIT OF DISTURBANCE AS DEPICTED WITHIN THE APPROVED OR FINAL PLAN SET, ESTABLISHING THE TREE PROTECTION ZONE. SUCH INSTALLATION SHALL BE IN ACCORDANCE WITH THE PROVIDED "TREE PROTECTION FENCE DETAIL." NO WORK MAY BEGIN UNTIL THIS REQUIREMENT IS FULFILLED. THE FENCING SHALL BE INSPECTED REGULARLY BY THE LANDSCAPE CONTRACTOR AND MAINTAINED UNTIL ALL CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED.
2. IN ORDER TO AVOID DAMAGE TO ROOTS, BARK OR LOWER BRANCHES, NO VEHICLE, EQUIPMENT, DEBRIS, OR OTHER MATERIALS SHALL BE DRIVEN, PARKED OR PLACED WITHIN THE TREE PROTECTION ZONE. ALL ON-SITE CONTRACTORS SHALL USE ANY AND ALL PRECAUTIONARY MEASURES WHEN PERFORMING WORK AROUND TREES, WALKS, PAVEMENTS, UTILITIES, AND ANY OTHER FIXTURES EITHER EXISTING OR PREVIOUSLY INSTALLED UNDER THIS CONTRACT.
3. IN RARE INSTANCES WHERE EXCAVATING, FILL, OR GRADING IS REQUIRED WITHIN THE DRIP-LINE OF TREES TO REMAIN, THE WORK SHALL BE PERFORMED AS FOLLOWS:
   - TRENCHING: WHEN TRENCHING OCCURS AROUND TREES TO REMAIN, THE TREE ROOTS SHALL NOT BE CUT, BUT THE TRENCH SHALL BE TUNNELED UNDER OR AROUND THE ROOTS BY CAREFUL HAND DIGGING AND WITHOUT INJURY TO THE ROOTS. NO ROOTS, LIMBS, OR WOODS ARE TO HAVE ANY PAINT OR MATERIAL APPLIED TO ANY SURFACE.
   - RAISING GRADES: WHEN THE GRADE AT AN EXISTING TREE IS BELOW THE NEW FINISHED GRADE, AND FILL NOT EXCEEDING 6 INCHES (6") IS REQUIRED, CLEAN, WASHED GRAVEL FROM ONE TO TWO INCHES (1" - 2") IN SIZE SHALL BE PLACED DIRECTLY AROUND THE TREE TRUNK. THE GRAVEL SHALL EXTEND OUT FROM THE TRUNK ON ALL SIDES A MINIMUM OF 18 INCHES (18") AND FINISH APPROXIMATELY TWO INCHES (2") ABOVE THE FINISH GRADE AT TREE. INSTALL GRAVEL BEFORE ANY EARTH FILL IS PLACED. NEW EARTH FILL SHALL NOT BE LEFT IN CONTACT WITH THE TRUNK OF ANY TREE REQUIRING FILL. WHERE FILL EXCEEDING 6 INCHES (6") IS REQUIRED, A DRY LAID TREE WELL SHALL BE CONSTRUCTED. IF APPLICABLE, THESE WELL INSTALLATION SHALL BE IN ACCORDANCE WITH THE PROVIDED "TREE WELL DETAIL."
   - LOWERING GRADES: EXISTING TREES LOCATED IN AREAS WHERE THE NEW FINISHED GRADE IS TO BE LOWERED, SHALL HAVE RE-GRADING WORK DONE BY HAND TO THE INDICATED ELEVATION, NO GREATER THAN SIX INCHES (6"). ROOTS SHALL BE CUT CLEANLY THREE INCHES (3") BELOW FINISHED GRADE UNDER THE DIRECTION OF A LICENSED ARBORIST. WHERE CUT EXCEEDING 6 INCHES (6") IS REQUIRED, A DRY LAID RETAINING WALL SHALL BE CONSTRUCTED. IF APPLICABLE, THE RETAINING WALL INSTALLATION SHALL BE IN ACCORDANCE WITH THE PROVIDED "TREE RETAINING WALL DETAIL."

SOIL PREPARATION AND MULCH NOTES:

1. LANDSCAPE CONTRACTOR SHALL OBTAIN A SOIL TEST OF THE IN-SITU TOPSOIL BY A CERTIFIED SOIL LABORATORY PRIOR TO PLANTING. LANDSCAPE CONTRACTOR SHALL ALLOW FOR A TWO WEEK TURNAROUND TIME FROM SUBMITTAL OF SAMPLE TO NOTIFICATION OF RESULTS.
2. BASED ON SOIL TEST RESULTS, ADJUST THE RATES OF LIME AND FERTILIZER THAT SHALL BE MIXED INTO THE TOP SIX INCHES (6") OF TOPSOIL. THE LIME AND FERTILIZER RATES PROVIDED WITHIN THE "SEED SPECIFICATION" OR "SOD SPECIFICATION" IS APPROXIMATE AND FOR BIDDING PURPOSES ONLY. IF ADDITIONAL AMENDMENTS ARE NECESSARY, ADJUST THE TOPSOIL AS FOLLOWS:
   - MODIFY HEAVY CLAY OR SILT SOILS (MORE THAN 40% CLAY OR SILT) BY ADDING COMPOSTED PINE BARK (UP TO 30% BY VOLUME) OR GYPSUM.
   - MODIFY EXTREMELY SANDY SOILS (MORE THAN 85%) BY ADDING ORGANIC MATTER AND/OR DRY, SHREDDED CLAY LOAM UP TO 30% OF THE TOTAL MIX.
3. TOPSOIL SHALL BE FERTILE, FRIABLE, NATURAL TOPSOIL OF LOAMING CHARACTER, WITHOUT ADMIXTURE OF SUBSOIL MATERIAL OBTAINED FROM A WELL-DRAINED ARABLE SITE, FREE FROM ALL CLAY, LUMPS, COARSE SANDS, STONES, PLANTS, ROOTS, STICKS, AND OTHER FOREIGN MATERIAL GREATER THAN ONE INCH (1").
4. TOPSOIL SHALL HAVE A PH RANGE OF 5.0-7.0 AND SHALL NOT CONTAIN LESS THAN 6% ORGANIC MATTER BY WEIGHT.
5. OBTAIN TOPSOIL ONLY FROM LOCAL SOURCES OR FROM AREAS HAVING SIMILAR SOIL CHARACTERISTICS TO THAT FOUND AT THE PROJECT SITE.
6. CONTRACTOR SHALL PROVIDE A SIX INCH (6") DEEP LAYER OF TOPSOIL IN ALL PLANTING AREAS. TOPSOIL SHALL BE SPREAD OVER A PREPARED SURFACE IN A UNIFORM LAYER TO ACHIEVE THE DESIRED COMPACTED THICKNESS. THE SPREADING OF TOPSOIL SHALL NOT BE CONDUCTED UNDER MUDDY OR FROZEN SOIL CONDITIONS.
7. UNLESS OTHERWISE NOTED IN THE CONTRACT, THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF TOPSOIL AND THE ESTABLISHMENT OF FINE-GRADING WITHIN THE DISTURBED AREA OF THE SITE.
8. LANDSCAPE CONTRACTOR SHALL VERIFY THAT THE SUB-GRADE ELEVATION MEETS THE FINISHED GRADE ELEVATION (LESS THE REQUIRED TOPSOIL) IN ACCORDANCE WITH THE APPROVED OR FINAL GRADING PLAN.
9. ALL LAWN AND PLANTING AREAS SHALL BE GRADED TO A SMOOTH, EVEN AND UNIFORM PLANE WITH NO ABRUPT CHANGE OF SURFACE AS DEPICTED WITHIN THE APPROVED OR FINAL CONSTRUCTION SET UNLESS OTHERWISE DIRECTED BY THE PROJECT LANDSCAPE DESIGNER OR MUNICIPAL OFFICIAL.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER SURFACE AND SUBSURFACE PLANT BED DRAINAGE PRIOR TO THE INSTALLATION OF PLANTINGS. IF POOR DRAINAGE CONDITIONS EXIST, CORRECTIVE ACTION SHALL BE TAKEN PRIOR TO INSTALLATION. ALL PLANTING AND LAWN AREAS SHALL BE GRADED AND MAINTAINED TO ALLOW A FREE FLOW OF SURFACE WATER.
11. DOUBLE SHREDDED HARDWOOD MULCH OR APPROVED EQUAL SHALL BE USED AS A THREE INCH (3") TOP DRESSING IN ALL SHRUB PLANTING BEDS AND AROUND ALL TREES PLANTED BY LANDSCAPE CONTRACTOR. GROUND COVER, PERENNIAL, AND ANNUAL PLANTING BEDS SHALL BE MULCHED WITH A TWO INCH (2") TOP DRESSING. SINGLE TREES OR SHRUBS SHALL BE MULCHED TO AVOID CONTACT WITH TRUNK OR PLANT STEM. MULCH SHALL BE OF SUFFICIENT CHARACTER AS NOT TO BE EASILY DISPLACED BY WIND OR WATER RUNOFF.
12. WHENEVER POSSIBLE, THE SOIL PREPARATION AREA SHALL BE CONNECTED FROM PLANTING TO PLANTING.
13. SOIL SHALL BE LOOSENED WITH A BACKHOE OR OTHER LARGE COARSE-TILING EQUIPMENT UNLESS THE SOIL IS FROZEN OR EXCESSIVELY WET. TILING THAT PRODUCES LARGE, COARSE CLUMPS OF SOIL IS PREFERABLE TO TILING THAT RESULTS IN FINE GRAINS UNIFORM IN TEXTURE. AFTER THE AREA IS LOOSENED IT SHALL NOT BE DRIVEN OVER BY ANY VEHICLE.
14. APPLY PRE-EMERGENT WEED CONTROL TO ALL PLANT BEDS PRIOR TO MULCHING. ENSURE COMPATIBILITY BETWEEN PRODUCT AND PLANT MATERIAL.
15. ALL PLANTING SOIL SHALL BE AMENDED WITH THE FOLLOWING:

MYCRO® TREE SAVER - A DRY GRANULAR MYCORRHIZAL FUNGI INOCULANT THAT IS MIXED IN THE BACKFILL WHEN PLANTING TREES AND SHRUBS. IT CONTAINS SPORES OF BOTH ECTOMYCORRHIZAL AND VA MYCORRHIZAL FUNGI (VAM), BENEFICIAL RHIZOSPHERE BACTERIA, TERRA-SORB SUPERABSORBENT HYDROGEL TO REDUCE WATER LEACHING, AND SELECTED ORGANIC MICROBIAL NUTRIENTS.

- DIRECTIONS FOR USE: USE 3-OZ PER EACH FOOT DIAMETER OF THE ROOT BALL, OR 3-OZ PER INCH CALIPER. MIX INTO THE BACKFILL WHEN TRANSPLANTING TREES AND SHRUBS. MIX PRODUCT IN A RING-SHAPED VOLUME OF SOIL AROUND THE UPPER PORTION OF THE ROOT BALL, EXTENDING FROM THE SOIL SURFACE TO A DEPTH OF ABOUT 8 INCHES, AND EXTENDING OUT FROM THE ROOT BALL ABOUT 8 INCHES INTO THE BACKFILL APPLY WATER TO SOIL SATURATION.
- MYCOR® TREE SAVER® IS EFFECTIVE FOR ALL TREE AND SHRUB SPECIES EXCEPT RHODODENDRONS, AZALEAS, AND MOUNTAIN LAUREL, WHICH REQUIRE ERICOID MYCORRHIZAE.
- SOIL PH: THE FUNGI IN THIS PRODUCT WERE CHOSEN BASED ON THEIR ABILITY TO SURVIVE AND COLONIZE PLANT ROOTS IN A PH RANGE OF 3 TO 9.
- FUNGICIDES: THE USE OF CERTAIN FUNGICIDES CAN HAVE A DETRIMENTAL EFFECT ON THE INOCULATION PROGRAM. SOIL APPLICATION OF ANY FUNGICIDE IS NOT RECOMMENDED FOR TWO WEEKS AFTER APPLICATION.
- OTHER PESTICIDES: HERBICIDES AND INSECTICIDES DO NOT NORMALLY INTERFERE WITH MYCORRHIZAL FUNGAL DEVELOPMENT, BUT MAY INHIBIT THE GROWTH OF SOME TREE AND SHRUB SPECIES IF NOT USED PROPERLY.

HEALTHY START MACRO TABS 12-8-8

- FERTILIZER TABLETS ARE PLACED IN THE UPPER 4 INCHES OF BACKFILL SOIL WHEN PLANTING TREES AND SHRUBS.
- TABLETS ARE FORMULATED FOR LONG-TERM RELEASE BY SLOW BIODEGRADATION, AND LAST UP TO 2 YEARS AFTER PLANTING. TABLETS CONTAIN 12-8-8 NPK FERTILIZER, AS WELL AS A MINIMUM OF SEVEN PERCENT (7%) HUMIC ACID BY WEIGHT, MICROBIAL NUTRIENTS DERIVED FROM SEA KELP, PROTEIN BYPRODUCTS, AND YUCCA SCHIDIGERA, AND A COMPLEMENT OF BENEFICIAL RHIZOSPHERE BACTERIA. THE STANDARD 21 GRAM TABLET IS SPECIFIED HERE. DIRECTIONS FOR USE: FOR PLANTING BALLED & BURLAPPED (B&B) TREES AND SHRUBS, MEASURE THE THICKNESS OF THE TRUNK, AND USE ABOUT 1 TABLET (21-G) PER HALF-INCH. PLACE THE TABLETS DIRECTLY NEXT TO THE ROOT BALL EVENLY DISTRIBUTED AROUND ITS PERIMETER, AT A DEPTH OF ABOUT 4 INCHES.

IRRIGATION DURING ESTABLISHMENT

SIZE AT PLANTING	IRRIGATION FOR VITALITY	IRRIGATION FOR SURVIVAL
< 2" CALIPER	DAILY FOR TWO WEEKS, EVERY OTHER DAY FOR TWO MONTHS, WEEKLY UNTIL ESTABLISHED	TWO TO THREE TIMES WEEKLY FOR TWO TO THREE MONTHS
2"-4 CALIPER	DAILY FOR ONE MONTH, EVERY OTHER DAY FOR THREE MONTHS, WEEKLY UNTIL ESTABLISHED	TWO TO THREE TIMES WEEKLY FOR THREE TO FOUR MONTHS
4 >" CALIPER	DAILY FOR SIX WEEKS, EVERY OTHER DAY FOR FIVE MONTHS, WEEKLY UNTIL ESTABLISHED	TWICE WEEKLY FOR FOUR TO FIVE MONTHS

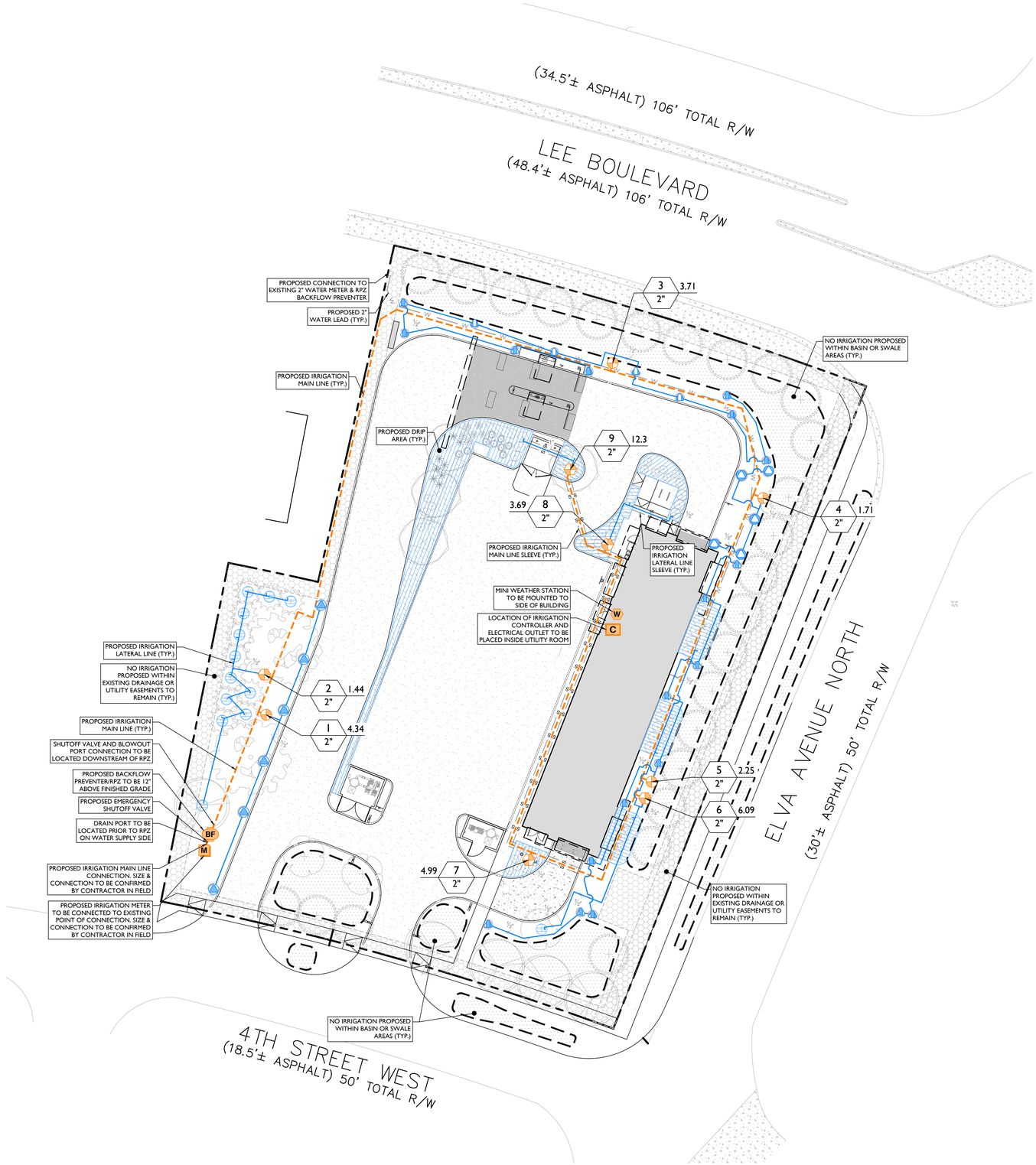
TABLE NOTES:
1. AT EACH IRRIGATION, APPLY TWO TO THREE GALLONS PER INCH TRUNK CALIPER TO THE ROOT BALL SURFACE. APPLY IT IN A MANNER SO ALL WATER SOAKS THE ENTIRE ROOT BALL. DO NOT WATER IF ROOT BALL IS WET/SATURATED ON THE IRRIGATION DAY.

2. WHEN IRRIGATING FOR VITALITY, DELETE DAILY IRRIGATION WHEN PLANTING IN WINTER OR WHEN PLANTING IN COOL CLIMATES. ESTABLISHMENT TAKES THREE TO FOUR MONTHS PER INCH TRUNK CALIPER. NEVER APPLY IRRIGATION IF THE SOIL IS SATURATED.

3. WHEN IRRIGATION FOR SURVIVAL, TREES TAKE MUCH LONGER TO ESTABLISH THAN REGULARLY IRRIGATED TREES. IRRIGATION MAY BE REQUIRED IN THE NORMAL HOT, DRY PORTIONS OF THE FOLLOWING YEAR.

PLANT QUALITY AND HANDLING NOTES:

1. ALL PLANT MATERIAL SHALL CONFORM TO THE AMERICAN STANDARD FOR NURSERY STOCK (ANSI Z60.1-2004) OR LATEST REVISION AS PUBLISHED BY THE AMERICAN NURSERY AND LANDSCAPE ASSOCIATION.
2. IN ALL CASES, BOTANICAL NAMES LISTED WITHIN THE APPROVED OR FINAL PLANT LIST SHALL TAKE PRECEDENCE OVER COMMON NAMES.
3. ALL PLANTS SHALL BE OF SELECTED SPECIMEN QUALITY, EXCEPTIONALLY HEAVY, TIGHTLY KNIT, SO TRAINED OR FAVORED IN THEIR DEVELOPMENT AND APPEARANCE AS TO BE SUPERIOR IN FORM, NUMBER OF BRANCHES, COMPACTNESS AND SYMMETRY. ALL PLANTS SHALL HAVE A NORMAL HABIT OR SOUND, HEALTHY, VIGOROUS PLANTS WITH WELL DEVELOPED ROOT SYSTEM. PLANTS SHALL BE FREE OF DISEASE, INSECT PESTS, EGGS OR LARVAE.
4. PLANTS SHALL NOT BE PRUNED BEFORE DELIVERY. TREES WITH ABRASION OF THE BARK, SUNSCALDS, DISFIGURING KNOTS OR FRESH CUTS OF LIMBS OVER ONE AND ONE-FOURTH INCHES (1-1/4") WHICH HAVE NOT COMPLETELY CALLOUSED SHALL BE REJECTED.
5. ALL PLANTS SHALL BE TYPICAL OF THEIR SPECIES OR VARIETY AND SHALL HAVE A NORMAL HABIT OF GROWTH AND BE LEGIBLY TAGGED WITH THE PROPER NAME AND SIZE.
6. THE ROOT SYSTEM OF EACH PLANT SHALL BE WELL PROVIDED WITH FIBROUS ROOTS. ALL PARTS SHALL BE SOUND, HEALTHY, VIGOROUS, WELL-BRANCHED AND DENSELY FOLIATED WHEN IN LEAF.
7. ALL PLANTS DESIGNATED BALL AND BURLAP (B&B) MUST BE MOVED WITH THE ROOT SYSTEM AS SOLID UNITS WITH BALLS OF EARTH FIRMLY WRAPPED WITH BURLAP. THE DIAMETER AND DEPTH OF THE BALLS OF EARTH MUST BE SUFFICIENT TO ENCOMPASS THE FIBROUS ROOT FEEDING SYSTEMS NECESSARY FOR THE HEALTHY DEVELOPMENT OF THE PLANT. NO PLANT SHALL BE ACCEPTED WHEN THE BALL OF EARTH SURROUNDING ITS ROOTS HAS BEEN BADLY CRACKED OR BROKEN PREPARATORY TO OR DURING THE PROCESS OF PLANTING. THE BALLS SHALL REMAIN INTACT DURING ALL OPERATIONS. ALL PLANTS THAT CANNOT BE PLANTED AT ONCE MUST BE HEELED-IN BY SETTING IN THE GROUND AND COVERING THE BALLS WITH SOIL OR MULCH AND THEN WATERING. HEMP BURLAP AND TWINE IS PREFERABLE TO TREATED. IF TREATED BURLAP IS USED, ALL TWINE IS TO BE CUT FROM AROUND THE TRUNK AND ALL BURLAP IS TO BE REMOVED.
8. PLANTS TRANSPORTED TO THE PROJECT IN OPEN VEHICLES SHALL BE COVERED WITH TARPS OR OTHER SUITABLE COVERS SECURELY FASTENED TO THE BODY OF THE VEHICLE TO PREVENT INJURY TO THE PLANTS. CLOSED VEHICLES SHALL BE ADEQUATELY VENTILATED TO PREVENT OVERHEATING OF THE PLANTS. EVIDENCE OF INADEQUATE PROTECTION FOLLOWING DIGGING, CARELESSNESS WHILE IN TRANSIT OR STORAGE SHALL BE CAUSE FOR REJECTION OF PLANT MATERIAL. ALL PLANTS SHALL BE KEPT MOIST, FRESH, AND PROTECTED. SUCH PROTECTION SHALL ENCOMPASS THE ENTIRE PERIOD DURING WHICH THE PLANTS ARE IN TRANSIT, BEING HANDLED, OR ARE IN TEMPORARY STORAGE.
9. ALL PLANT MATERIAL SHALL BE INSTALLED IN ACCORDANCE WITH THE CORRESPONDING LANDSCAPE PLAN AND PLANTING DETAILS.
10. LANDSCAPE CONTRACTOR SHALL MAKE BEST EFFORT TO INSTALL PLANTINGS ON THE SAME DAY AS DELIVERY. IF PLANTS ARE NOT PLANTED IMMEDIATELY ON SITE, PROPER CARE SHALL BE TAKEN TO PLACE THE PLANTINGS IN PARTIAL SHADE WHEN POSSIBLE. THE ROOT BALL SHALL BE KEPT MOIST AT ALL TIMES AND COVERED WITH MOISTENED MULCH OR ADDED WOODCHIPS. PROPER IRRIGATION SHALL BE SUPPLIED SO AS TO NOT ALLOW THE ROOT BALL TO DRY OUT. PLANTINGS SHALL BE UNTIED AND PROPER SPACING SHALL BE ALLOTTED FOR AIR CIRCULATION AND TO PREVENT DISEASE, WILTING, AND LEAF LOSS. PLANTS THAT REMAIN UNPLANTED FOR A PERIOD OF TIME GREATER THAN THREE (3) DAYS SHALL BE HEALED IN WITH TOPSOIL OR MULCH AND WATERED AS REQUIRED TO PRESERVE ROOT MOISTURE.
11. NO PLANT MATERIAL SHALL BE PLANTED IN MUDDY OR FROZEN SOIL.
12. PLANTS WITH INJURED ROOTS OR BRANCHES SHALL BE PRUNED PRIOR TO PLANTING UTILIZING CLEAN, SHARP TOOLS. ONLY DISEASED OR INJURED PLANTS SHALL BE REMOVED.
13. IF ROCK OR OTHER UNDERGROUND OBSTRUCTION IS ENCOUNTERED, THE LANDSCAPE DESIGNER RESERVES THE RIGHT TO RELOCATE OR ENLARGE PLANTING PITS OR DELETE PLANT MATERIAL FROM THE CONTRACT.
14. IF PLANTS ARE PROPOSED WITHIN SIGHT TRIANGLES, TREES SHALL BE LIMBED AND MAINTAINED TO A HEIGHT OF EIGHT FEET (8') ABOVE GRADE, AND SHRUBS, GROUND COVER, PERENNIALS, AND ANNUALS SHALL BE MAINTAINED TO A HEIGHT NOT TO EXCEED TWO FEET (2') ABOVE GRADE UNLESS OTHERWISE NOTED OR SPECIFIED BY THE GOVERNING MUNICIPALITY OR AGENCY.
15. INSTALLATION SHALL OCCUR DURING THE FOLLOWING SEASONS:
    PLANTS (MARCH 15 - DECEMBER 15)
    LAWNS (MARCH 15 - JUNE 15 OR SEPTEMBER 1 - DECEMBER 1)
16. THE FOLLOWING TREES ARE SUSCEPTIBLE T



Z:\PROJECTS\2025\TAM-250036 EL CAR WASH - 3701 LEE BOULEVARD, LEHIGH ACRES, FL\CAD\PLOTS\PDF-13-IRRIG.DWG

IRRIGATION SYSTEM RUNS ARE DESIGNED TO MAXIMUM 20 GALLONS PER MINUTE. IRRIGATION SYSTEM PRESSURE AND AVAILABLE GALLONS PER MINUTE TO BE CONFIRMED BY MEP ENGINEER.

IRRIGATION SYSTEM DEMAND TO BE CONTRACTOR RESPONSIBILITY. CONTRACTOR TO CONFIRM LOAD DEMANDS AND CONNECTION DESIGN BY MEP ENGINEER.

UNDER NO CIRCUMSTANCE SHALL THE IRRIGATION SYSTEM CONNECTION BE INSTALLED DOWNSTREAM FROM A WATER SOFTENER SYSTEM.

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

VALVE CALLOUT

VALVE NUMBER
VALVE FLOW
VALVE SIZE

IRRIGATION ZONE SUMMARY

ZONE	DEMAND (GPM)
1	4.34 GPM
2	1.44 GPM
3	3.71 GPM
4	1.71 GPM
5	2.25 GPM
6	6.09 GPM
7	4.99 GPM
8	3.69 GPM
9	12.30 GPM

IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL	QTY	ARC	PSI	GPM	RADIUS
	HUNTER MP STRIP PROS-04-PRS40-CV LCS	8	LCS	50	0.25	6'x18'
	HUNTER MP STRIP PROS-04-PRS40-CV RCS	9	RCS	50	0.25	6'x18'
	HUNTER MP STRIP PROS-04-PRS40-CV SS	4	SST	50	0.49	6'x36'
	HUNTER MP1000 PROS-04-PRS40-CV M	5	90-210	50	-	14'
	HUNTER MP2000 PROS-04-PRS40-CV K	6	90-210	50	-	21'
	AREA TO RECEIVE DRIPLINE HUNTER HDL-06-12-CV	2,485 LF	-	40	-	-
	HUNTER ICV-G 2"	5	-	-	-	-
	HUNTER PGV-201 ANGLE 2"	4	-	-	-	-
BF	FEBCO 825Y 2"	1	-	-	-	-
C	HUNTER P2C-400 W/ (01) PCM-300 & (01) PCM-1600	1	-	-	-	-
W	HUNTER MWS-FR	1	-	-	-	-
M	WATER METER (SIZE TO BE CONFIRMED IN FIELD)	1	-	-	-	-
	IRRIGATION LATERAL LINE: PVC SCHEDULE 40 (AS LABELED)	1,062 LF	-	-	-	-
	IRRIGATION MAINLINE: PVC SCHEDULE 40	752 LF	-	-	-	-
SS SS SS SS	PIPE SLEEVE: PVC CLASS 200 SDR 21	180 LF	-	-	-	-

IRRIGATION NOTES:

1. SYSTEM WAS DESIGNED TO ASSUMED 50 PSI (PRESSURE AVAILABLE: 47.8 PSI), 2" SERVICE LINE, METER (SIZE TO BE CONFIRMED IN FIELD) AND 20 GALLONS PER MINUTE AND LOAM TYPE SOILS. ALTERATIONS MAY BE NEEDED BASED ON SITE CONDITIONS.
2. SYSTEM RUNS ARE DESIGNED TO MAXIMUM 20 GALLONS PER MINUTE.
3. AVAILABLE GALLONS PER MINUTE DEMAND TO BE DETERMINED BY MEP ENGINEER AND COORDINATED BY CONTRACTOR.
4. A FLOW TEST SHALL BE PREFORMED ON SITE PRIOR TO INSTALLATION TO CONFIRM STATIC PSI.
5. APPROVED ALTERNATES TO BE SUBMITTED AND APPROVED.
6. 1" RPZ BACKFLOW PREVENTOR TO BE INSTALLED AS PER LOCAL PLUMBING CODES.
7. MAIN LINE PIPE AND WIRE TO BE TRENCHED 18" BELOW FINISH GRADE. BACKFILL MATERIAL SHALL BE FREE OF ALL ROCKS, TAMP TO 95% COMPACTION IN 6" LIFTS. ALL GRADING OVER THE IRRIGATION LINES SHALL BE FLUSH WITH THE ADJACENT SOIL AND BE FREE OF ROCKS AND DEBRIS. LATERAL PIPE TO BE 12" BELOW FINISH GRAD. TAMP AND RAKE FLOWED AREAS. REMOVE ANY LARGE ROCKS AND FILL ANY VOIDS.
8. IRRIGATION CONTRACTOR IS RESPONSIBLE FOR COORDINATING EXISTING UTILITY LOCATIONS WITH THE "CALL BEFORE YOU DIG" SERVICE AND SITE SUBCONTRACTORS.
9. ALL ELECTRIC ZONE VALVES TO BE PLACED BELOW GRADE IN APPROPRIATELY SIZED VALVE BOXES AND WITHIN MULCHED BEDS.
10. CONTRACTOR TO SUPPLY 100% COVERAGE GUARANTEE.
11. LOCATION OF CONTROLLER, BACKFLOW DEVICE, MASTER VALVE AND RAIN SENSOR ARE CONCEPTUAL. ACTUAL LOCATION TO BE DETERMINED ON SITE BASED UPON EXISTING CONDITIONS.
12. ALL PROPOSED LANDSCAPING TO IRRIGATED BY A 100% AUTOMATIC SYSTEM.
13. IRRIGATION SYSTEM SHALL NOT BE INSTALLED THROUGH EXISTING PLANT COMMUNITIES.
14. IRRIGATION SPRINKLER ZONES TO BE SEPARATE FOR HIGH AND LOW WATER REQUIREMENT PLANT AREAS AND OPERATED ON DIFFERENT WATERING SCHEDULES.
15. IRRIGATION OVERTHROW TO NON-PERVIOUS AND NATURAL AREAS TO MINIMIZED.
16. A RAIN SENSOR IS TO BE INSTALLED WITH THE IRRIGATION SYSTEM CONTROLLER.
17. IRRIGATION PIPING TO BE LOCATED WITHIN PLANTING OR SOD AREAS WHEREVER FEASIBLE. PIPING UNDER ROADS TO BE INSTALLED WITHIN SCHEDULE 40 PVC SLEEVE.
18. ALL TREE, SHRUB, AND GROUNDCOVER AREAS ARE TO BE FULLY IRRIGATED WITH DRIP /MICRO IRRIGATION, LOW-VOLUME EMITTERS. ALL SOD AREAS TO BE IRRIGATED WITH ROTOR OR SPRAY HEAD SPRINKLERS SPACED TO PROVIDE 100% COVERAGE.
19. A "Y" TYPE FILTER SHALL BE INSTALLED AT THE HEAD END OF LOW VOLUME LINES AND IN-LINE PRESSURE REGULATORS TO REDUCE PRESSURE NO MORE THAN 15 PSI SHALL BE UTILIZED.
20. WHEN NECESSARY, IRRIGATION INSTALLATION WITHIN THE DRIPLINE/CANOPY OF EXISTING TREES SHOULD BE DONE IN THE MOST SENSITIVE MANNER POSSIBLE IN ORDER TO AVOID ROOT DAMAGE. PROPOSED IRRIGATION WITHIN THE DRIPLINE/CANOPY SHOULD BE 'MICRO-SPRAY' LOCATED ABOVE EXISTING GRADE.
21. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE COMPLETE DESIGN AND CONSTRUCTION OF AN IRRIGATION SYSTEM FOR THE PROJECT, INCLUDING ALL PIPING, VALVES, HEADS, SLEEVES, AND WIRING. THE CONTRACTOR SHALL ALSO PERMIT AND PROVIDE AN IRRIGATION WELL AND CONTROLLER SYSTEM INCLUDING ALL NECESSARY POWER. THE SYSTEM SHALL BE DESIGNED TO SUPPLY SUFFICIENT IRRIGATION TO ALL PLANTING AREAS ACROSS THE ENTIRE SITE TO SUPPORT THE GROWTH AND MAINTENANCE OF THE LANDSCAPING. THE CONTRACTOR SHALL SUBMIT TO THE LANDSCAPE ARCHITECT, AS SHOP DRAWING, THE DETAILED LAYOUT OF THE SYSTEM FOR REVIEW AND APPROVAL BY THE LANDSCAPE ARCHITECT.
22. THE BACKFLOW PREVENTER SHALL BE THAT OF AN ASSE 1013 APPROVED REDUCED PRESSURE ZONE ASSEMBLY (RPZ). THE ASSEMBLY MUST BE INSTALLED A MINIMUM OF 12-INCHES ABOVE FINISHED GRADE MEASURED FROM THE BOTTOM OF THE RELIEVE VALVE.
23. THE ASSEMBLY MUST BE INSTALLED BY A LICENSED PLUMBER. AFTER INSTALLATION, THE NEW ASSEMBLY MUST BE TESTED BY A LICENSED PLUMBER WHO ALSO IS ASSE 5110 CERTIFIED TO TEST.

20' 0' 20' 40'
GRAPHIC SCALE IN FEET
1" = 20'

ISSUE	DATE	BY	DESCRIPTION
4	11/26/2025	GPG	FOR COUNTY RESUBMISSION - DOT
3	08/14/2025	GPG	FOR COUNTY SUBMISSION
3	07/10/2025	GPG	FOR 90% CLIENT REVIEW
2	06/27/2025	KGR	FOR 60% CLIENT REVIEW
1	06/13/2025	GPG	FOR CLIENT REVIEW

FOR CONSTRUCTION

STONEFIELD engineering & design
Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com
Rivergate Tower, 400 N Ashley Drive, Suite 1950, Tampa, FL 33602
Phone 813.792.2200

SITE DEVELOPMENT PLANS

CAR WASH FLORIDA

LEHIGH ACRES
PROPOSED CARWASH

PARCEL ID: 23-44-26-05-00063.0100 & 23-44-26-05-00063.0120
3701 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

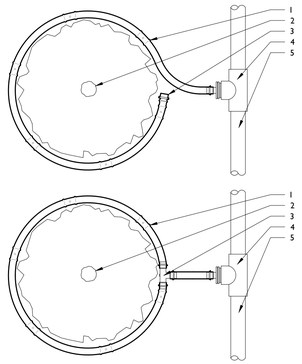
PAUL DEVITTO, L.L.A.
NEW JERSEY LICENSE No. 21AS00123500
LICENSED LANDSCAPE ARCHITECT

STONEFIELD engineering & design

SCALE: 1" = 20' | PROJECT ID: TAM-250036

TITLE: **IRRIGATION PLAN**

DRAWING: **C-13**



LEGEND:

1. PROFESSIONAL LANDSCAPE DRIPLINE PER PLAN
2. TREE (SEE PLANTING PLAN)
3. PLD OR OLD-LOC FITTING TYP.
4. PVC TO DROP LINE TUBING CONNECTION (PLD OR PLD-LOC FITTINGS) TYP.
5. PVC LATERAL LINE

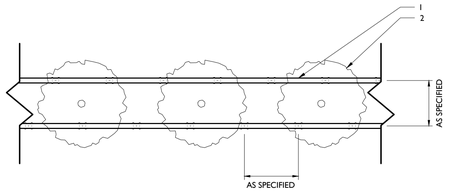
NOTES:

1. AIR RELIEF VALVE (PLD-AVR) INSTALLED IN VALVE BOX AT OPTIMAL HIGHEST POINT FROM CONTROL ZONE KIT. MULTIPLE IAR RELIEF VALVES MAY BE NEEDED TO ACCOMODATE DIFFERENCES IN GRADE.
2. ECO-INDICATOR TO BE INSTALLED AT OPTIMAL FURTHEST POINT FROM CONTROL ZONE KIT IN CLEAR VIEW WHEN POPPED UP.
3. FLUSH POINT TO BE INSTALLED AT OPTIMAL FURTHEST POINT FROM CONTROL ZONE KIT TO ALLOW FOR MAXIMUM DEBRIS FLUSH IN SYSTEM.

DRIPLINE - TREE RING

Hunter HM.HDL.09 NOT TO SCALE

1



LEGEND:

1. HUNTER DRIPLINE (HDL) PER PLAN
2. HEDGE ROW (SEE LANDSCAPING PLAN)

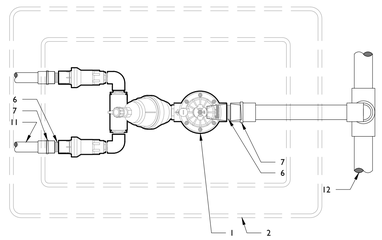
NOTES:

1. TRIANGULATE EMITTERS TO MAXIMIZE COVERAGE

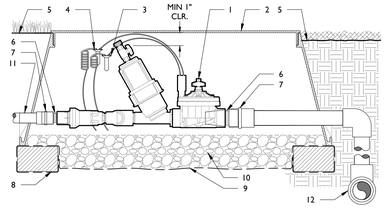
DRIPLINE - HEDGE ROW

Hunter HM.HDL.11 NOT TO SCALE

2



PLAN VIEW



SECTION VIEW

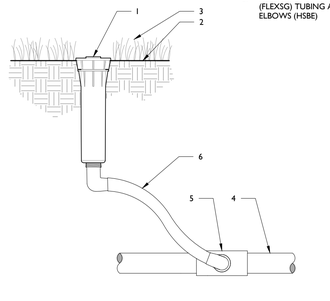
LEGEND:

1. HUNTER REMOTE CONTROL VALVE (ICZ) WITH FILTER REGULATOR
2. IRRIGATION VALVE BOX: HEAT STAMP LID WITH 'RCV' IN 2" LETTERS
3. WATERPROOF CONNECTORS (2)
4. 18"-24" COILED WIRE TO CONTROLLER
5. FINISH GRADE AT ADJACENT SURFACE (TURF OR MULCH)
6. SCH. 80 CLOSE NIPPLE, MATCH SIZE TO VALVE
7. PVC ADAPTOR SLIP X FPT
8. BRICK SUPPORTS (4)
9. FILTER FABRIC - WRAP TWICE AROUND BRICK SUPPORTS
10. 3/4" WASHED GRAVEL - 4" MIN. DEPTH
11. IRRIGATION LATERAL
12. MAINLINE LATERAL AND FITTINGS

DRIP CONTROL ZONE KIT (ICZ-151)

Hunter V.ICZ.09 NOT TO SCALE

3



LEGEND:

1. HUNTER POP-UP BODY
   PROS-04: NOZZLE AND CAP PER PLAN
2. FINISHED GRADE
3. ADJACENT LANDSCAPE
4. LATERAL PIPE PER PLAN
5. LATERAL FITTING PER PLAN
6. FIELD BUILT SWIM ARM WITH (FLEXSG) TUBING AND SPIRAL ELBOWS (HSBE)

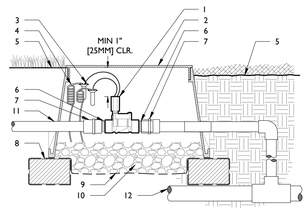
POP-UP BODY (PROS-04)

NOT TO SCALE

4

LEGEND:

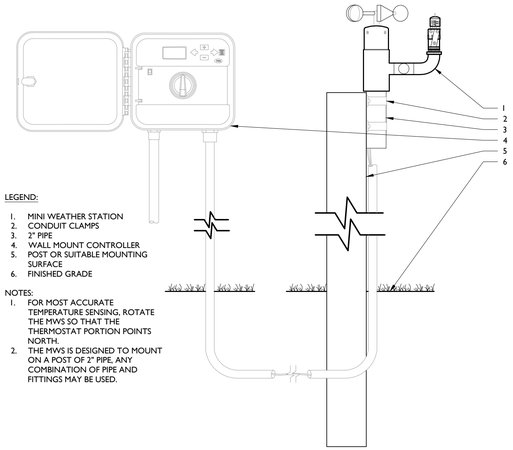
1. HUNTER REMOTE CONTROL VALVE (PGV)
2. IRRIGATION VALVE BOX: HEAT STAMP LID WITH 'RCV' IN 2" LETTERS
3. WATERPROOF CONNECTORS (2)
4. 18"-24" COILED WIRE TO CONTROLLER
5. FINISH GRADE AT ADJACENT SURFACE (TURF OR MULCH)
6. SCH. 80 CLOSE NIPPLE, MATCH SIZE TO VALVE
7. PVC SLIP X FPT ADAPTOR
8. BRICK SUPPORTS (4)
9. FILTER FABRIC - WRAP TWICE AROUND BRICK SUPPORTS
10. 3/4" WASHED GRAVEL - 4" MIN. DEPTH
11. IRRIGATION LATERAL
12. MAINLINE AND FITTINGS



IN-LINE VALVE (PGV-100G)

Hunter V.PGV.01 NOT TO SCALE

5



LEGEND:

1. MINI WEATHER STATION
2. CONDUIT CLAMPS
3. 2" PIPE
4. WALL MOUNT CONTROLLER
5. POST OR SUITABLE MOUNTING SURFACE
6. FINISHED GRADE

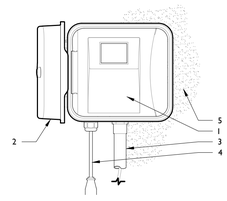
NOTES:

1. FOR MOST ACCURATE TEMPERATURE SENSING, ROTATE THE MWS SO THAT THE THERMOSTAT PORTION POINTS NORTH.
2. THE MWS IS DESIGNED TO MOUNT ON A POST OF 2" PIPE, ANY COMBINATION OF PIPE AND FITTINGS MAY BE USED.

MINI WEATHER STATION WITH GENERIC MOUNT CONTROLLER

Hunter S.MWS.01 NOT TO SCALE

6



LEGEND:

1. HYDRAWISE PRO-C CONTROLLER (HPC), PLASTIC ENCLOSURE, INDOOR OR OUTDOOR WALL MOUNT, PER PLAN
2. PLASTIC CONTROLLER HOUSING DOOR
3. IRRIGATION CONTROL WIRE IN CONDUIT TO PLANTER. SIZE AND TYPE PER LOCAL CODES.
4. STANDARD CABLE & PLUG FOR CONNECTION TO GROUNDED POWER RECEPTACLE
5. SURFACE TO MOUNT CONTROLLER PER PLAN

NOTES:

1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. CONTROLLER ACCEPTS 120 VOLTS A.C. OR 230 VOLTS A.C. (INTERNATIONAL MODEL). PLUG INTO A GROUNDED POWER SOURCE.
3. SEE PLAN LEGEND FOR MODEL NUMBER AND SPECIFICATIONS.
4. ALWAYS REFER TO PRODUCT INSTALLATION NOTES PRIOR TO INSTALLATION.
5. MOUNT CONTROLLER LCD SCREEN AT CONVENIENT EYE LEVEL WITHIN AN ACCESSIBLE AREA.

HYDRAWISE PRO-C CONTROLLER

Hunter C.HPC.01 NOT TO SCALE

7

Job Name _____ Contractor _____

Job Location _____ Approved _____

Engineer _____ Contractor's P.O. No. _____

Approval _____ Representative _____

Series 825Y

Reduced Pressure Zone Assemblies

Sizes: ¾" - 2" (20mm - 50mm)

The FEBCO Series 825Y Reduced Pressure Zone Assemblies are used to protect against high hazard (toxic) fluids in water services to industrial plants, hospitals, morgues, mortuaries, and chemical plants. They are also used in irrigation systems, boiler feed, water lines and other installations requiring maximum protection.

Features

- Ultimate mechanical protection of potable water, against hazards of cross-connection contamination.
- Lead free bronze body and internals (≤ 0.25% lead) USA.
- Approved by the Foundation for Cross-Connection Control and Hydraulic Research at the University of Southern California.
- Modular relief valve for ease of maintenance.
- Simple Service procedures. All internal parts serviceable in line.
- Full flow ports.
- Spring loaded "V" type check valves.
- Intense relief valve pressure sensing passages.
- Replaceable seat rings on all sizes.
- End connections - NPT, ANSI / ASME B1.20.1

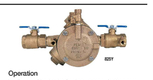
Specifications

The reduced pressure zone assembly shall consist of two independently operating, spring loaded, "V" pattern check valves and one hydraulically dependent differential relief valve. The assembly shall automatically reduce the pressure in the "zone" between the check valves to at least 5psi lower than inlet pressure. Should the differential between the upstream and the zone of the unit drop to 2psi, the differential relief valve shall open and discharge to the atmosphere.

Stainless steel body and cover including relief valve body and cover shall be bronze. Check valve moving member shall be center stem guided. All hydraulic sensing passages shall be internally routed within the stainless and relief valve bodies and relief valve cover. Relief valve shall be of the differential type. Check valve seats shall have a removable seat ring. Check valves and relief valve components shall be constructed so they may be serviced without removing the valve body from the line. All seat discs shall be reversible. Shutoff valves and ball cocks shall be full ported ball valves.

The assembly shall be rated for 175psi (12.1 bar) working pressure and water temperature range from 32°F to 140°F (0°C - 60°C).

The assembly shall meet the requirements of ASSE Standard 1013, AWWA Standard Code C511, CSA Standard B64.4, and approved by the Foundation for Cross-Connection Control & Hydraulic Research at the University of Southern California.



Operation

In a flow condition the check valves are open with the pressure between the chocks, called the zone, being maintained at least 6.0psi lower than the inlet pressure and the relief valve is maintained closed.

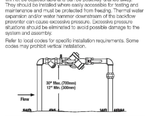
Should abnormal conditions arise under no flow or reversal of flow, the differential relief valve will open and discharge to maintain the zone at least 2psi lower than the supply.

When normal flow resumes, the zone's differential pressure will resume and the relief valves will close.

Typical Installation

Reduced pressure zone assemblies should be installed with minimum clearance of 12" (300mm) between relief valve discharge port and floor or grade. They must be installed where discharge will not be objectionable and can be positively drained away. They should be installed where easily accessible for testing and maintenance. Do not install in a pit where flooding may occur. Water expansion and/or water hammer downstream of the backflow preventer can cause excessive pressure. Excessive pressure situations should be eliminated to avoid possible damage to the system and assembly.

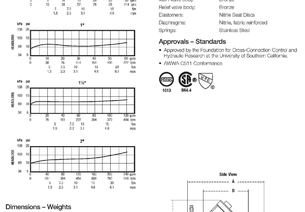
Refer to local codes for specific installation requirements. Some codes may prohibit vertical installation.



⚠ WARNING

It is illegal to use this product in any plumbing system providing water for human consumption, such as drinking or dishwashing, in the United States. Before making any non-lead material product, consult your local water authority, building and plumbing codes.

FEBCO
A WATTS Brand



Dimensions – Weights

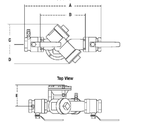
Size: ½" - 2"

SIZE	DIMENSIONS								WEIGHT
	A		B*		C	D	E		
	mm	in	mm	in	mm	mm	mm	in	kg
½	152	6	197	7¾	80	83	95	3¾	3.2
¾	229	9	241	9½	80	83	95	3¾	3.5
1	229	9	241	9½	80	83	95	3¾	3.7
1¼	267	10½	279	11	80	83	95	3¾	4.1
1½	305	12	317	12½	80	83	95	3¾	4.5
2	356	14	368	14½	80	83	95	3¾	5.0

* If Dimension is less shutoffs

NOTICE

Weights shown are approximate. Dimensions shown are nominal, allowance must be made for normal manufacturing tolerances.



Temperature – Pressure

Maximum working pressure: 175psi (12.1 bar)
Hydrostatic test pressure: 350psi (24.1 bar)
Temperature range: 32°F to 140°F (0°C to 60°C)

Materials

Main valve body:	Bronze
Relief valve body:	Bronze
Elastomers:	Nitrile Seat Discs
Diaphragms:	Nitrile, fabric reinforced
Springs:	Stainless Steel

Approvals – Standards

- Approved by the Foundation for Cross-Connection Control and Hydraulic Research at the University of Southern California.
- AWWA C511 Conformance

FEBCO
A WATTS Brand

USA: tel (800) 767-9234 • fax (800) 766-1401 • sales@febco.com
Canada: tel (905) 326-4094 • fax (905) 333-7365 • sales@febco.ca
Latin America: (55) 81 1201 8800 • Fax (55) 81 8030 1301 • PPTO@watts.com

© 2017 FEBCO

ES-F 825Y 1413

FEBCO - MODEL 825 RPZ SERVICE INSTRUCTIONS

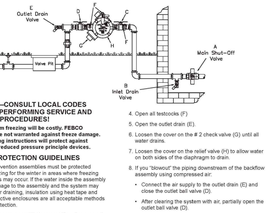
NOT TO SCALE

8

FREEZE PROTECTION MODEL 825Y

FEBCO
An SPX Process Equipment Operation

Reduced Pressure Assembly
Draining Procedure for Freeze Protection



WARNING—CONSULT LOCAL CODES PRIOR TO PERFORMING SERVICE AND DRAINING PROCEDURES!

Damage from freezing will be costly. FEBCO products are not warranted against freeze damage. The following instructions will protect against freezing of reduced pressure principle devices.

FREEZE PROTECTION GUIDELINES

Backflow prevention assemblies must be protected against freezing for the winter in areas where freezing temperatures may occur. If the water inside the assembly freezes, damage to the assembly and the system may occur. Proper draining, insulation using heat tape and heated protective enclosures are all acceptable methods of freeze protection.

When draining an assembly to prevent freezing, several important points must be remembered:

1. The assembly cannot be adequately drained through the testcocks. For proper draining follow the instructions detailed in the Drain Procedure section below.
2. Drain valves must be added on the inlet and outlet sides of the assembly, below the assembly (and preferably below the freeze line if the remainder of the system is to be drained).

DRAIN PROCEDURE

1. Close the main shut-off valve (A).
2. Open the inlet drain (B).
3. Open the inlet and outlet ball valves (C & D) 45° degrees (half open, half closed).
4. Open all testcocks (F)
5. Open the outlet drain (E).
6. Loosen the cover on the # 2 check valve (G) until all water drains.
7. Loosen the cover on the relief valve (H) to allow water on both sides of the diaphragm to drain.
8. If you "blowout" the piping downstream of the backflow assembly using compressed air.
   - Connect the air supply to the outlet drain (E) and close the outlet ball valve (D).
   - After clearing the system with air, partially open the outlet ball valve (D).
   - Leave all drain valves (E & B), testcocks (F) and ball valves (C & D) in a half-open, half-closed position for the winter. (See ball valve freeze protection instructions for more details.)
   - Make sure the main shut-off valve (A) remains closed and does not leak.

SPRING "START-UP" PROCEDURE

When there is no more chance of freeze damage:

1. Close all drain valves (E & B), testcocks (F) and ball valves (C & D).
2. Retighten the relief valve cover (H), then slowly open the main shut-off valve (A) and the inlet ball valve (C).
3. Slightly open, then close, all testcocks (F) one at a time to empty air from the device.
4. Slowly open the outlet ball valve (D) and refill the system.

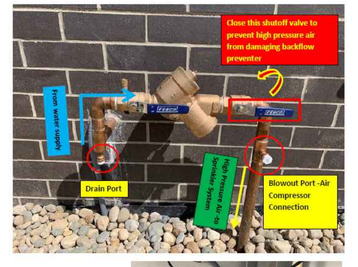
FEBCO Backflow Prevention
A Watts Regulator Company
3616 South Willow • Fresno, CA 93725
Email: febco@processequipment.spx.com • www.spxpe.com • www.FEBCOonline.com

SPX Process Equipment
ISO 9001 Certified
SSFF0001 0999 Copyright 2005

FEBCO - MODEL 825Y RPZ SERVICE INSTRUCTIONS

NOT TO SCALE

9





TYPICAL RPZ ASSEMBLY

NOT TO SCALE

10

JAMES D. KNIGHT, P.E.
NEW JERSEY & CALIFORNIA LICENSED PROFESSIONAL ENGINEER
LICENSED MECHANICAL CONTRACTOR
FLORIDA BUSINESS CERT. OF AUTH. No. 30078

STONEFIELD engineering & design

SCALE: AS SHOWN | PROJECT ID: TAM-250036

TITLE: IRRIGATION DETAILS

DRAWING: C-13

ISSUE	DATE	BY	DESCRIPTION
4	11/26/2025	GPG	FOR COUNTY RESUBMISSION - DOT
3	08/14/2025	GPG	FOR COUNTY SUBMISSION
3	07/10/2025	GPG	FOR 90% CLIENT REVIEW
2	06/27/2025	KGR	FOR 60% CLIENT REVIEW
1	06/13/2025	GPG	FOR CLIENT REVIEW

FOR CONSTRUCTION

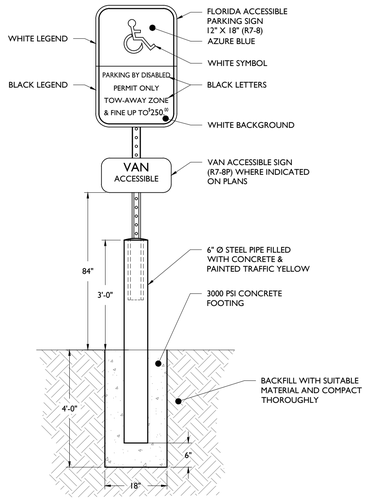
SITE DEVELOPMENT PLANS

CAR WASH FLORIDA

LEHIGH ACRES
PROPOSED CARWASH
PARCEL ID: 25-45-26-00-00063.0100 & 25-44-26-00-00063.0120
2216 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

STONEFIELD engineering & design
Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com
Rivergate Tower, 400 N Ashley Drive, Suite 1950, Tampa, FL 33602
Phone 813.792.2200

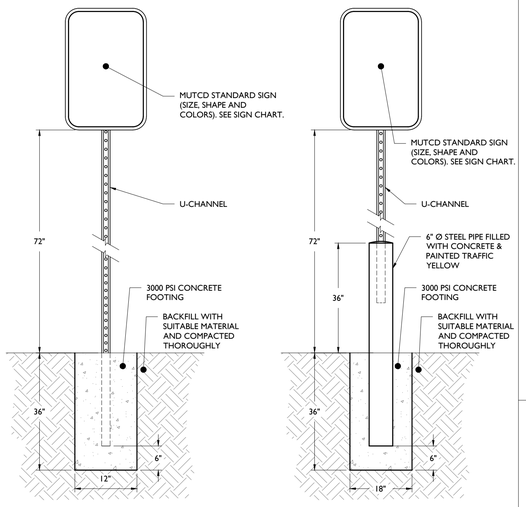
Z:\TAM\PROJECTS\2025\TAM-250036 (BL CAR WASH - 2781 LEE BOULEVARD, LEHIGH ACRES, FL)\CAD\PLOTTED\P13-IRRIGDWG



ACCESSIBLE PARKING SIGN WITH BOLLARD DETAIL

NOT TO SCALE

1



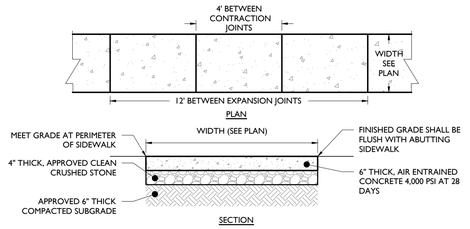
M.U.T.C.D. NUMBER	TEXT	COLOR		SIZE OF SIGN (WIDTH X HEIGHT)	TYPE OF MOUNT
		LEGEND	BACKGROUND		
STOP SIGN (R1-1)	STOP	RED	WHITE	36"x36"	GROUND
DO NOT ENTER (R5-1)	DO NOT ENTER	RED	WHITE	30"x30"	GROUND

NOTE:
1. ALL SIGNS SHALL BE IN ACCORDANCE WITH THE FEDERAL HIGHWAY ADMINISTRATION (FHWA) MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), EXCEPT AS NOTED.
2. ALL SIGNS SHALL BE MOUNTED AS TO NOT OBSTRUCT THE SHAPE OF "STOP" (R1-1) AND "YIELD" (R1-2) SIGNS.

SIGN POST & POST W/ BOLLARD DETAIL & SIGN DATA TABLE

NOT TO SCALE

2

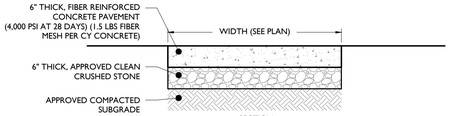


CONCRETE WALKWAY DETAIL

NOT TO SCALE

NOTES:
1. MAXIMUM CROSS SLOPE SHALL BE ¼" PER FOOT.
2. ½" EXPANSION JOINTS SHALL BE PROVIDED AT 12' INTERVALS WITH PRE-MOLDED, BITUMINOUS JOINT FILLER, RECESSED ¼" FROM THE SURFACE.
3. 1" DEEP BY ¼" WIDE, TOOLED CONTRACTION JOINTS SHALL BE PROVIDED AT 4' INTERVALS.
4. EXPANSION JOIN SHALL BE PROVIDED WHERE ADJACENT TO A BUILDING.

3

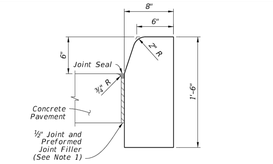


REINFORCED 6" CONCRETE PAVEMENT

NOT TO SCALE

NOTES:
1. ½" EXPANSION JOINTS WITH WATER SEAL SHALL BE PROVIDED AT 12' INTERVALS WITH PRE-MOLDED, BITUMINOUS JOINT FILLER, RECESSED ¼" FROM THE SURFACE. LONGITUDINAL REBAR TO BE CUT AT EXPANSION JOINTS.
2. 1" DEEP BY ½" WIDE, TOOLED CONTRACTION JOINTS SHALL BE PROVIDED AT MID-POINT BETWEEN EXPANSION JOINTS OR 6' INTERVALS MAX.
3. CONCRETE SHALL RECEIVE BROOM FINISH.
4. ALL EXPOSED CORNERS TO HAVE 12" CHAMFER.

4



NOTE: For use adjacent to concrete or flexible pavement, concrete shown.

TYPE D

NOTES:

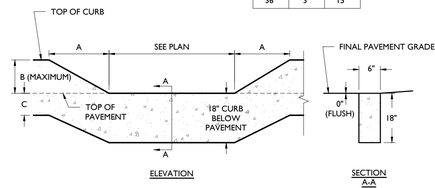
1. *For Type A, Type B, and Type D Curb: Expansion joint, preformed joint filler and joint seal are required between curbs and concrete pavement only, see Sheet 3.*
2. *For Type E, Type F, Drop Curb, and Valley Gutter: When used on high side of roadways, match the cross slope of the gutter to the cross slope of the adjacent pavement. The thickness of the lip is 6", unless otherwise shown on Plans.*
3. *For Type RA, rotate entire section so that gutter cross slope matches slope of adjacent circulating roadway pavement.*
4. *For details depicting usage of Type A Curb adjacent to flexible pavement see Sheet 3.*

FDOT 'TYPE D' CONCRETE CURB

NOT TO SCALE

5

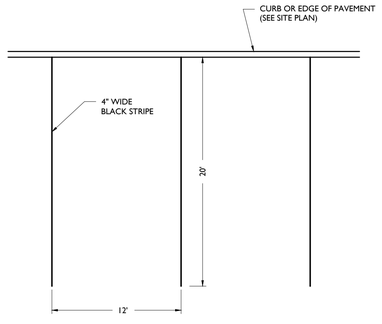
FLUSH CURB DIMENSIONS		
A	B	C
72"	6"	12"
60"	5"	13"
48"	4"	14"
36"	3"	15"



FLUSH CURB DETAIL

NOT TO SCALE

6

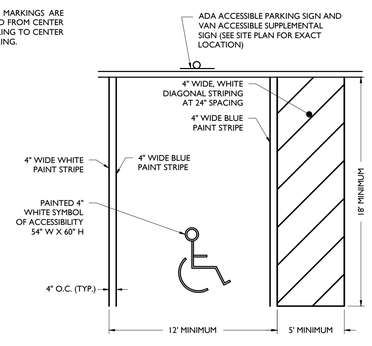


VACUUM PARKING STALL MARKINGS

NOT TO SCALE

7

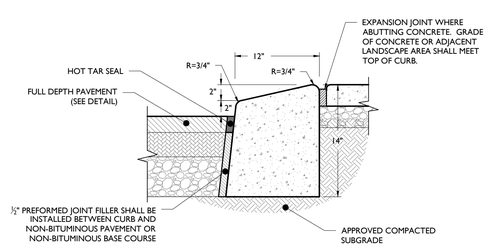
NOTE:
1. PARKING STALL MARKINGS ARE TO BE MEASURED FROM CENTER OF WHITE MARKING TO CENTER OF WHITE MARKING.



ACCESSIBLE PARKING STALL MARKINGS

NOT TO SCALE

8

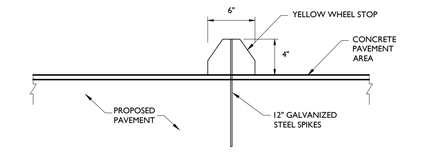


MOUNTABLE CONCRETE CURB DETAIL

NOT TO SCALE

NOTES:
1. CONCRETE SHALL BE 3500 PSI AT 28 DAYS, AIR-ENTRAINED.
2. TRANSVERSE EXPANSION JOINTS SHALL BE PROVIDED AT 20 FOOT INTERVALS WITH PRE-MOLDED, BITUMINOUS JOINT FILLER, RECESSED ½" FROM SURFACE.
3. HALF DEPTH CONTRACTION JOINTS SHALL BE PROVIDED AT 10 FOOT INTERVALS.
4. 18" CURB DEPTH SHALL BE MAINTAINED AT DEPRESSED OR FLUSH CURBED AREAS.

9

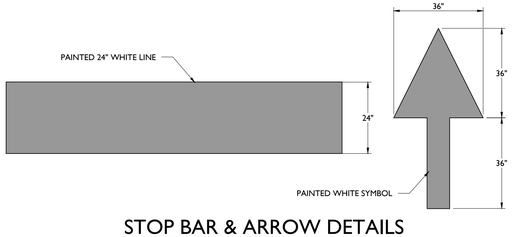


RUBBER WHEEL STOP DETAIL

NOT TO SCALE

NOTES:
1. WHEEL STOP SHALL BE 6' LONG.
2. WHEEL STOP SHALL BE PREFABRICATED TRAFFIC SAFETY STORE 6' RECYCLED RUBBER PARKING BLOCK WITH HARDWARE OR APPROVED EQUIVALENT.

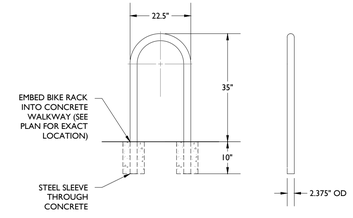
10



STOP BAR & ARROW DETAILS

NOT TO SCALE

11



HOOP RACK HD IN GROUND MOUNTED BIKE RACK DETAIL

NOT TO SCALE

NOTES:
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS

12

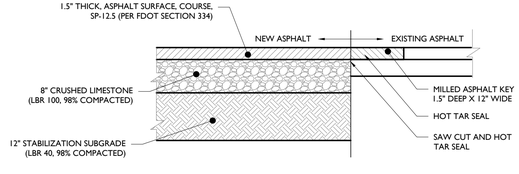
PAVEMENT STRIPING & MARKINGS NOTES:

1. ALL SIGNING AND STRIPING IN EXISTING CONDITION IN CONFLICT WITH THE PROPOSED DESIGN PLAN SHALL BE REMOVED.
2. ALL PROPOSED SIGNING AND STRIPING SHALL CONFORM TO THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) PUBLISHED BY THE FEDERAL HIGHWAY ADMINISTRATION.
3. PAVEMENT STRIPING AND MARKINGS SHALL BE INSTALLED IN CONFORMANCE WITH ALL APPLICABLE LOCAL, COUNTY AND STATE REQUIREMENTS.
4. UNLESS OTHERWISE SPECIFIED, ALL STRIPING AND MARKINGS IN THE PUBLIC RIGHT-OF-WAY SHALL BE OF THERMOPLASTIC PAINT OR PREFORMED THERMOPLASTIC MARKINGS.
5. UNLESS OTHERWISE SPECIFIED, ON SITE PARKING STALL STRIPING, FIRE LANE STRIPING AND DIRECTIONAL ARROWS SHALL BE EPOXY PAINT. ON SITE STOP BARS, "DO NOT ENTER" BARS, AND ASSOCIATED LETTERING SHALL BE THERMOPLASTIC PAINT OR PREFORMED THERMOPLASTIC MARKINGS.

STRIPING SPECIFICATION DETAIL

NOT TO SCALE

13



FULL DEPTH PAVEMENT DETAIL

NOT TO SCALE

NOTE:
HMA MIX AND DENSE GRADED AGGREGATE SHALL CONFORM TO STATE DEPARTMENT OF TRANSPORTATION SPECIFICATIONS.

14

ISSUE	DATE	BY	DESCRIPTION
4	11/26/2025	GPG	FOR COUNTY RESUBMISSION - DOT
3	08/14/2025	GPG	FOR COUNTY SUBMISSION
3	07/10/2025	GPG	FOR 90% CLIENT REVIEW
2	06/27/2025	KGR	FOR 60% CLIENT REVIEW
1	06/13/2025	GPG	FOR CLIENT REVIEW

FOR CONSTRUCTION

STONEFIELD engineering & design
Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com
Rivergate Tower, 400 N Ashley Drive, Suite 1950, Tampa, FL 33602
Phone 813.792.2200

SITE DEVELOPMENT PLANS

CAR WASH FLORIDA

LEHIGH ACRES
PROPOSED CARWASH

PARCEL ID: 23-45-26-A1-A0006.0100 & 23-45-26-A1-A0006.0120
2701 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

JAMES S. KINOSIAN, P.E.
FLORIDA LICENSE No. 86000
LICENSED PROFESSIONAL ENGINEER
FLORIDA BUSINESS CERT. OF AUTH. No. 30078

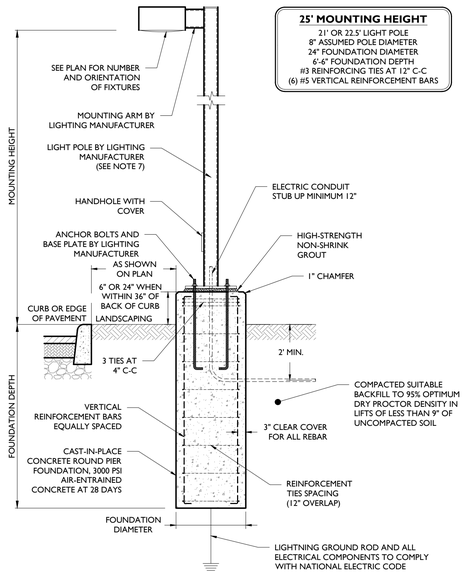
STONEFIELD engineering & design

SCALE: AS SHOWN | PROJECT ID: TAM-250036

TITLE: **CONSTRUCTION DETAILS**

DRAWING: **C-15**

Z:\TAMPA\25\PROJECTS\TAM-250036 EL CAR WASH - 2701 LEE BOULEVARD, LEHIGH ACRES, FL\CAD\PLOT\PLOT-1 DETS.DWG

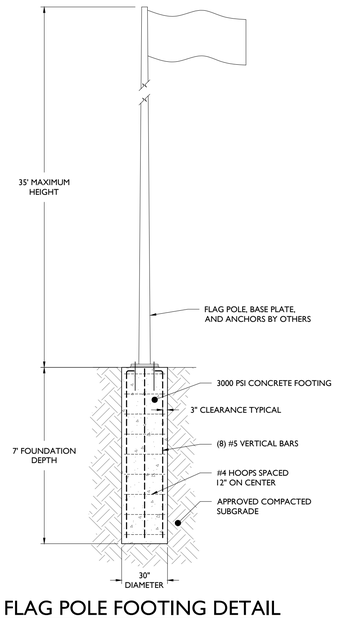


LIGHT POLE INSTALLATION DETAIL

NOT TO SCALE

NOTES:
1. MINIMUM SOIL BEARING PRESSURE OF 1500 PSF, SOIL FRICTION ANGLE OF 30 DEGREES, AND SOIL DRY UNIT WEIGHT OF 120 PCF SHALL BE CONFIRMED IN THE FIELD BY A QUALIFIED PROFESSIONAL.
2. CAST-IN-PLACE CONCRETE SHALL BE CONSOLIDATED USING VIBRATOR.
3. ALL REBAR TO BE NEW GRADE 60 STEEL.
4. PRE-CAST PIERS ACCEPTABLE UPON WRITTEN APPROVAL OF SHOP DRAWING BY ENGINEER.
5. CONCRETE TO BE INSTALLED A MINIMUM OF 7 DAYS PRIOR TO INSTALLING LIGHT POLE. POURED CONCRETE MIX REQUIRED TO OBTAIN 80% OF DESIGN STRENGTH PRIOR TO INSTALLING LIGHT POLE.
6. CONCRETE SHALL HAVE A MAXIMUM SLUMP OF 4" (WITHIN 1" TOLERANCE).
7. POLE SHALL BE RATED FOR 10 MPH HIGHER THAN MAXIMUM WIND SPEED 33FT ABOVE GROUND FOR THE AREA BASED ON ANSI/ASCE 7-93.
8. POUR TO BE TERMINATED AT A FORM.
9. WORK SHALL CONFORM TO ACI BEST PRACTICES FOR APPROPRIATE TEMPERATURE AND WEATHER CONDITIONS.
10. CONTRACTOR TO TEMPORARILY SUPPORT ADJACENT SOIL AND STRUCTURES DURING EXCAVATION IF REQUIRED.

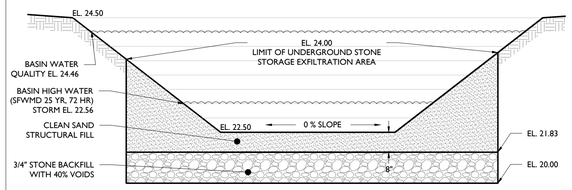
1



FLAG POLE FOOTING DETAIL

NOT TO SCALE

2

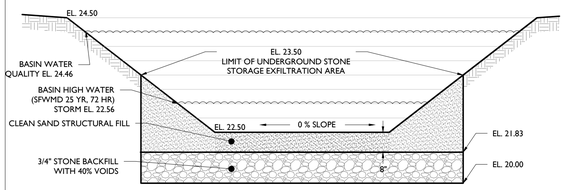


NORTHEAST SECTION INFILTRATION BASIN DETAIL (B-1)

NOT TO SCALE

NOTES:
BASIN CONSTRUCTION MUST NOT COMPACT SOILS BELOW BASIN BOTTOM.

3

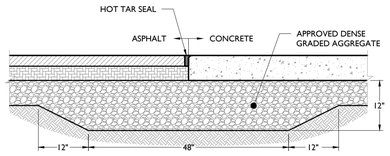


SOUTHWEST SECTION INFILTRATION BASIN DETAIL (B-1)

NOT TO SCALE

NOTES:
BASIN CONSTRUCTION MUST NOT COMPACT SOILS BELOW BASIN BOTTOM.

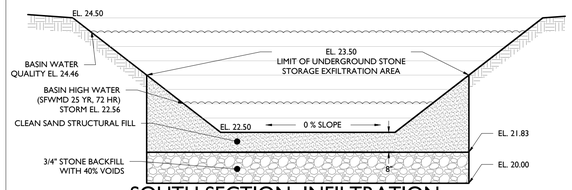
4



CONCRETE TO ASPHALT TRANSITION DETAIL

NOT TO SCALE

5

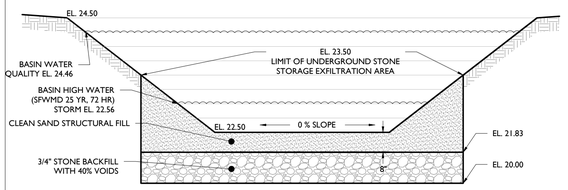


SOUTH SECTION INFILTRATION BASIN DETAIL (B-1)

NOT TO SCALE

NOTES:
BASIN CONSTRUCTION MUST NOT COMPACT SOILS BELOW BASIN BOTTOM.

6



SOUTHEAST SECTION INFILTRATION BASIN DETAIL (B-1)

NOT TO SCALE

NOTES:
BASIN CONSTRUCTION MUST NOT COMPACT SOILS BELOW BASIN BOTTOM.

7

ISSUE	DATE	BY	DESCRIPTION
4	11/26/2025	GPG	FOR COUNTY RESUBMISSION - DOT
3	08/14/2025	GPG	FOR COUNTY SUBMISSION
3	07/10/2025	GPG	FOR 90% CLIENT REVIEW
2	06/27/2025	KGR	FOR 60% CLIENT REVIEW
1	06/13/2025	GPG	FOR CLIENT REVIEW

FOR CONSTRUCTION

STONEFIELD engineering & design
Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com
Rivergate Tower, 400 N Ashley Drive, Suite 1950, Tampa, FL 33602
Phone 813.792.2200

SITE DEVELOPMENT PLANS

LEHIGH ACRES
PROPOSED CARWASH

PARCEL ID: 23-45-27-A0-00063.0100 & 23-44-26-05-00063.0120
2701 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

JAMES S. KINOSIAN, P.E.
FLORIDA LICENSE No. 86000
LICENSED PROFESSIONAL ENGINEER
FLORIDA BUSINESS CERT. OF AUTH. No. 30078

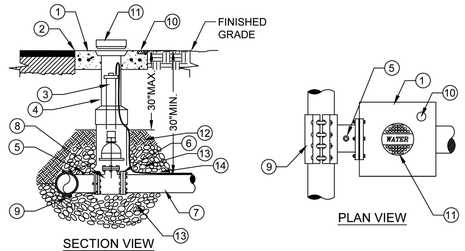
STONEFIELD engineering & design

SCALE: AS SHOWN | PROJECT ID: TAM-250036

TITLE:
CONSTRUCTION DETAILS

DRAWING:
C-16

Z:\TAMPA\TAM\2025\TAM-250036 EL CAR WASH - 2701 LEE BOULEVARD, LEHIGH ACRES, FL\CAD\DWG\TOPO P1.DWG

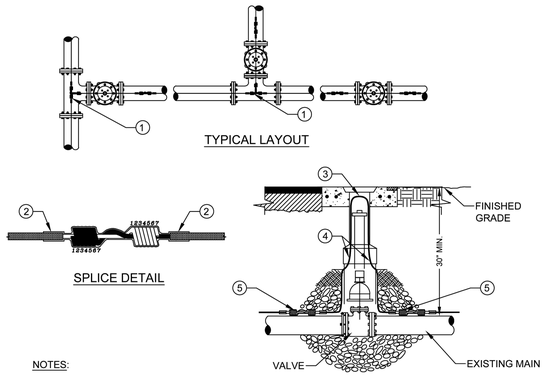


1. CONCRETE PAD - 24"X24"X4" THK. (SEE VALVE INSTALLATION DETAIL G-02)
2. SET TOP OF BOX FLUSH WITH FINISHED GRADE
3. EXTENSION STEM IF TOP OF OPERATING NUT IS MORE THAN 30" BELOW FINISH GRADE
4. VALVE BOX (SEE VALVE INSTALLATION DETAIL G-02)
5. OUTLET FOR TESTING
6. MJ RESTRAINED
7. MAIN SIZE VARIES
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 TAPPING SLEEVE AND VALVE DETAIL

NOT TO SCALE

1



NOTES:

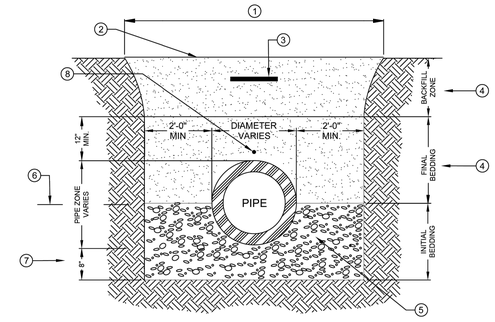
1. WIRE SHALL BE CONTINUOUS BETWEEN VALVE BOXES, THE PVC RISER PIPE SHALL BE NOTCHED AND THE WIRE ATTACHED TO THE RISER PIPE TO ALLOW FOR THE WIRE TO FIT INSIDE THE CAST IRON VALVE BOX WITHOUT SHEARING THE WIRE.
2. LOCATING WIRE SHALL BE LAID ON TOP OF THE MAIN, AND SHALL BE TAPED TO IT AT 10' INTERVALS 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 LOCATING WIRE FOR PRESSURE MAINS DETAIL

NOT TO SCALE

2

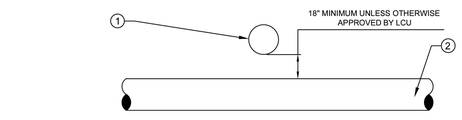


1. EXCAVATED TRENCH
2. FINISHED GRADE
3. MARKING TAPE 12" DEPTH MAX.
4. MATERIALS CLEAN DRY SAND, FINE LIME ROCK OR PIT SHELL MECHANICALLY COMPACTED IN 6" LIFTS TO AT LEAST 95% OF MAX. DENSITY, OR 98% IF UNDER PAVED AREA OF ROADWAY.
5. #57 STONE LOCATED UNDER PIPE OR EXISTING UNDISTURBED SUITABLE MATERIAL
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 TRENCH CROSSING MAINS DETAIL

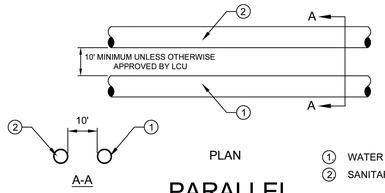
NOT TO SCALE

3



1. WATER MAIN
2. SANITARY SEWER MAIN

NOTE: IF LESS THAN 18" CLEARANCE ENCASE WATER MAIN IN STEEL CASING



1. WATER MAIN
2. SANITARY SEWER MAIN

NOTE: IF LESS THAN 10' CLEARANCE ENCASE WATER MAIN IN STEEL CASING

LEE COUNTY WATER AND SEWER CROSSING DETAIL

NOT TO SCALE

4

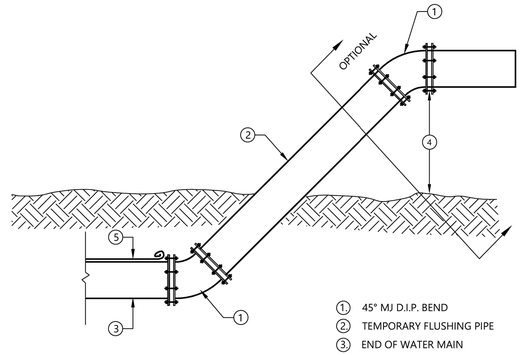
LCU STANDARD PLAN NOTES

1. ALL WORK SHALL CONFORM TO LATEST REVISION OF THE LCU DESIGN MANUAL WHICH IS AVAILABLE ON OUR WEB-PAGE VIA THE FOLLOWING LINK: HTTPS://WWW.LEEGOV.COM/UTILITIES/DESIGN-MANUAL
2. THE CONTRACTOR SHALL COMPLY WITH ALL REGULATORY AND PERMITTING AGENCIES' REQUIREMENTS.
3. ANY QUANTITIES SHOWN ON PLANS ARE NOT VERIFIED BY LCU.
4. ALL CONSTRUCTION PERFORMED MUST BE DONE BY A CONTRACTOR PROPERLY LICENSED IN THE STATE OF FLORIDA.
5. A PRE-CONSTRUCTION MEETING IS REQUIRED BEFORE WORK MAY BEGIN. REQUIRED ATTENDEES INCLUDE BUT ARE NOT LIMITED TO: THE ENGINEER OF RECORD OR HIS/HER DESIGNEE, THE UNDERGROUND CONTRACTOR AND THE LCU INSPECTOR ASSIGNED TO THE PROJECT. LCU IS TO BE NOTIFIED A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO THE PRE-CONSTRUCTION MEETING.
6. ONE COPY OF THE LCU APPROVED/STAMPED CONSTRUCTION PLANS MUST BE MAINTAINED BY THE CONTRACTOR AT THE SITE AT ALL TIMES.
7. ANY AND ALL WORK AND MATERIALS INSTALLED BY THE CONTRACTOR THAT ARE INTENDED FOR OWNERSHIP AND MAINTENANCE BY LCU, WHICH DO NOT CONFORM TO LCU SPECIFICATIONS AND WHICH DO NOT HAVE PRIOR LCU WRITTEN APPROVAL, ARE SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
8. ANY WORK PERFORMED ON INFRASTRUCTURE INTENDED FOR OWNERSHIP AND MAINTENANCE BY LCU WITHOUT THE KNOWLEDGE OF LCU IS SUBJECT TO RE-EXCAVATION, REMOVAL AND REPLACEMENT OF SAME TO BE DONE AT THE CONTRACTOR'S EXPENSE.
9. LCU INSPECTION STAFF IS TO BE PRESENT FOR ALL HOT TAPS, PRESSURE TESTS, LIFT STATION START-UPS AND FOR ANY OTHER NECESSARY INSPECTION. THE CONTRACTOR IS TO PROVIDE A MINIMUM OF TWO (2) WORKING DAYS NOTICE PRIOR TO SCHEDULING ANY OF THE ABOVE WITH THE EXCEPTION OF THE LIFT STATION START-UP WHICH REQUIRES MINIMUM OF TWO WEEKS NOTICE.
10. THE CONTRACTOR IS TO UNCOVER ALL EXISTING LCU UTILITY INFRASTRUCTURE TO VERIFY HORIZONTAL LOCATION, VERTICAL LOCATION, PIPE DIAMETER, AND PIPE MATERIAL PRIOR TO SCHEDULING THE CONNECTION WITH LCU.
11. LOCATIONS, ELEVATIONS, AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES AND OTHER FEATURES ARE SHOWN ACCORDING TO THE BEST INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE PLANS, BUT DO NOT PURPORT TO BE ABSOLUTELY CORRECT. LCU WILL NOT GUARANTEE ANY LOCATIONS AS SHOWN ON THESE PLANS OR THOSE OMITTED FROM THESE PLANS.
12. THE CONTRACTOR SHALL PROVIDE A MINIMUM OF AT LEAST TWO (2) WORKING DAYS NOTICE TO THE INDIVIDUAL UTILITY COMPANIES PRIOR TO CONSTRUCTION.
13. THE CONTRACTOR SHALL CONTACT THE ENGINEER AND LCU IMMEDIATELY TO REPORT ANY CONFLICT WITH LCU UTILITIES/STRUCTURES ARISING DURING CONSTRUCTION OF ANY FACILITIES SHOWN ON THESE DRAWINGS.
14. ALL FRAMES, COVERS VALVE BOXES, METER BOXES AND MANHOLES SHALL BE ADJUSTED TO FINISHED GRADE UPON COMPLETION OF PAVING OR RELATED CONSTRUCTION. ALL VALVE PADS SHALL BE POURED IN PLACE. NO PRE-CAST VALVE PADS WILL BE ACCEPTED.
15. LCU REQUIRES 36" OF MINIMUM COVER FOR ALL UNDERGROUND PIPING. IF LCU REQUIRED COVER CANNOT BE MAINTAINED, ALTERNATE METHODS OF CONSTRUCTION OR PIPE PROTECTION MUST BE APPROVED BY LCU AND THE ENGINEER, AT NO ADDITIONAL COST TO THE COUNTY. IF STATE AGENCIES REQUIRE ADDITIONAL COVER, MEETING THE REQUIREMENTS SHALL BE DONE AT NO ADDITIONAL COST TO THE COUNTY.
16. LCU REQUIRES THERE TO BE A MINIMUM OF TEN (10) FEET HORIZONTAL AND 18" VERTICAL SEPARATION BETWEEN POTABLE WATER & SANITARY SEWER MAINS. LCU ALSO REQUIRES MINIMUM OF TEN (10) FEET HORIZONTAL SEPARATION BETWEEN OTHER PUBLIC AND/OR PRIVATE UTILITIES, STRUCTURE(S), BUILDING(S), WALL(S), FOUNTAIN(S), FENCE(S) AND LCU INFRASTRUCTURE UNLESS SPECIFICALLY APPROVED BY LCU.
17. LCU REQUIRES THERE TO BE A MINIMUM OF FIVE (5) FEET HORIZONTAL SEPARATION AND 18" VERTICAL SEPERATION BETWEEN LCU INFRASTRUCTURE AND DRAINAGE INFRASTRUCTURE, MITERED END SECTIONS, INLETS, ETC. LCU ALSO REQUIRES MINIMUM OF FIVE (5) FEET HORIZONTAL SEPARATION BETWEEN LCU INFRASTRUCTURE AND ALL NEW LIGHT POLE FOUNDATIONS.
18. THE TRUNK OF PALM TREES SHALL BE A MINIMUM OF FIVE (5) FEET AND THE TRUNK OF SHADE TREES SHALL BE A MINIMUM OF TEN (10) FEET FROM ANY EXISTING OR PROPOSED LCU OWNED AND MAINTAINED PIPE/INFRASTRUCTURE.
19. AS THE WORK PROGRESSES THE CONTRACTOR SHALL PROVIDE FOR ALL CHANGES AND DEVIATIONS FROM THE LCU STAMPED/APPROVED CONSTRUCTION PLANS TO BE RECORDED. THE EXACT LOCATION OF ALL CHANGES IN VERTICAL AND HORIZONTAL ALIGNMENT SHALL BE RECORDED WITH X, Y, AND Z COORDINATES WITH RESPECT TO THE NAVD 1988 STATE PLANE FLORIDA WEST COORDINATE SYSTEM, AS WELL AS ANY OTHER RECORD INFORMATION REQUIRED BY THE LCU DESIGN MANUAL.

LEE COUNTY UTILITIES STANDARD PLAN NOTES

NOT TO SCALE

5



1. 45° MJ D.I.P. BEND
2. TEMPORARY FLUSHING PIPE
3. END OF WATER MAIN
4. 24" MIN.

NOTES:

1. FLUSHING DETAIL TO BE USED ON WATER LINES 8" DIAMETER OR GREATER.
2. FLUSHING PIPE SHALL BE THE SAME DIAMETER AS WATER MAIN.
3. CONTRACTOR SHALL PROVIDE ADEQUATE DRAINAGE FOR FLUSHED WATER.
4. PROVIDE M.J. CAP IF ASSEMBLY IS LEFT IN PLACE UNATTENDED.
5. 10 GAUGE DOUBLE INSULATED COPPER LOCATING WIRE (SEE LCU STANDARD DETAIL)

LEE COUNTY WATER MAIN FLUSHING DETAIL

NOT TO SCALE

6

ISSUE	DATE	BY	DESCRIPTION
4	11/26/2025	GPG	FOR COUNTY RESUBMISSION - DOT
3	08/14/2025	GPG	FOR COUNTY SUBMISSION
3	07/10/2025	GPG	FOR 90% CLIENT REVIEW
2	06/27/2025	KGR	FOR 60% CLIENT REVIEW
1	06/13/2025	GPG	FOR CLIENT REVIEW

FOR CONSTRUCTION

STONEFIELD engineering & design
Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com
Rivergate Tower, 400 N Ashley Drive, Suite 1950, Tampa, FL 33602
Phone 813.792.2200

SITE DEVELOPMENT PLANS

CAR WASH FLORIDA

LEHIGH ACRES
PROPOSED CARWASH

PARCEL ID: 25-44-26-A6-00063.0100 & 25-44-26-A6-00063.0120
2701 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

JAMES S. KINOSIAN, P.E.
FLORIDA LICENSE No. 86000
LICENSED PROFESSIONAL ENGINEER
FLORIDA BUSINESS CERT. OF AUTH No. 30078

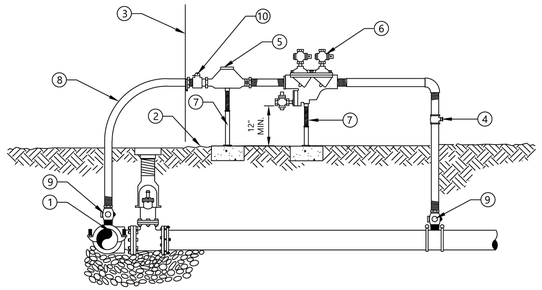
STONEFIELD engineering & design

SCALE: AS SHOWN | PROJECT ID: TAM-250036

TITLE: CONSTRUCTION DETAILS

DRAWING: C-17

Z:\TAMPA\TAM2025\TAM-250036 (L CAR WASH - 2701 LEE BOULEVARD, LEHIGH ACRES, FL)\CAD\PLOTDEP\11-DET1.DWG



NOTES:

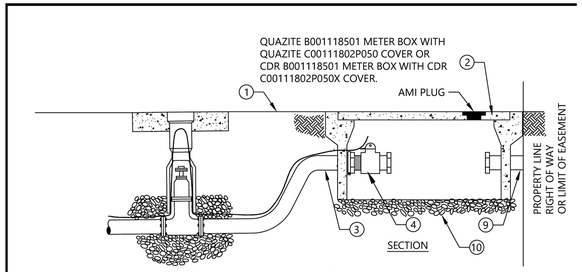
CONTRACTOR/CUSTOMER SHALL APPLY AT LEE COUNTY UTILITIES FOR TEMPORARY WATER SERVICE FIVE DAYS PRIOR TO REQUIRED SERVICE DATE. THE METER ONLY WILL BE FURNISHED BY LEE COUNTY UTILITIES. ALL FITTINGS, PIPING, VALVES AND MATERIALS SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR/CUSTOMER. THE APPROVED 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 DEPARTMENT OF HEALTH 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

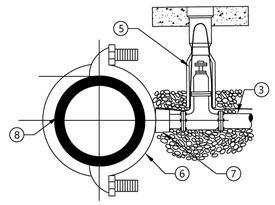
LEE COUNTY TEMPORARY CONSTRUCTION JUMPER WITH METER DETAIL

NOT TO SCALE

1



SECTION



SECTION

NOTES:

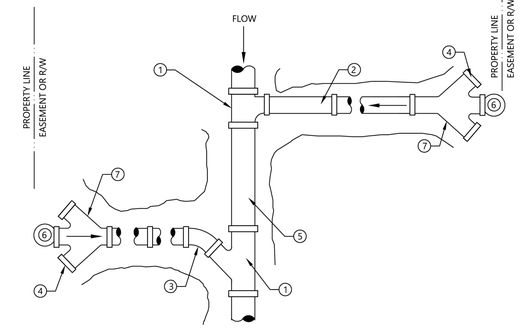
1. TUBING UNDER ROADWAY SHALL BE ENCASED IN 4" P.V.C. PIPE SCHEDULE 40 MINIMUM AND EXTEND 4 FEET BEYOND THE EDGES OF PAVEMENT OR BACK OF CURB.

1. FINISHED GRADE
2. 17"X30' METER BOX AND PREDRILLED COVER WITH PLUG TO BE LOCATED INSIDE ROW @ PROPERTY LINE
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

LEE COUNTY WATER SERVICE INSTALL 1-1/2" THROUGH 2" DETAIL

NOT TO SCALE

2



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 STANDARD SEWER SERVICE LATERAL DETAIL

NOT TO SCALE

3

ISSUE	DATE	BY	DESCRIPTION
4	11/26/2025	GPG	FOR COUNTY RESUBMISSION - DOT
3	08/14/2025	GPG	FOR COUNTY SUBMISSION
3	07/10/2025	GPG	FOR 90% CLIENT REVIEW
2	06/27/2025	KGR	FOR 60% CLIENT REVIEW
1	06/13/2025	GPG	FOR CLIENT REVIEW

FOR CONSTRUCTION

STONEFIELD engineering & design
Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com
Rivergate Tower, 400 N Ashley Drive, Suite 1950, Tampa, FL 33602
Phone 813.792.2200

SITE DEVELOPMENT PLANS

CAR WASH FLORIDA

LEHIGH ACRES
PROPOSED CARWASH

PARCEL ID 25-44-26-A0B0063.0100 & 25-44-26-B0S0063.0120
2701 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

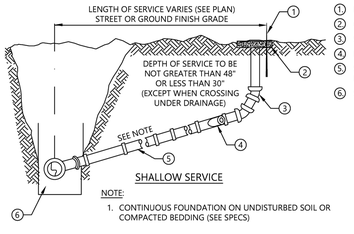
JAMES S. KINOSIAN, P.E.
FLORIDA LICENSE No. 86000
LICENSED PROFESSIONAL ENGINEER
FLORIDA BUSINESS CERT. OF AUTH No. 30078

STONEFIELD engineering & design

SCALE: AS SHOWN | PROJECT ID: TAM-250036

TITLE: CONSTRUCTION DETAILS

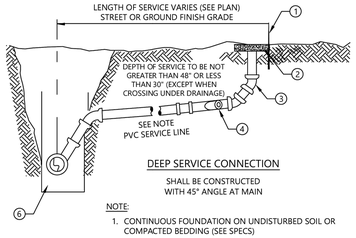
DRAWING: C-18



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:

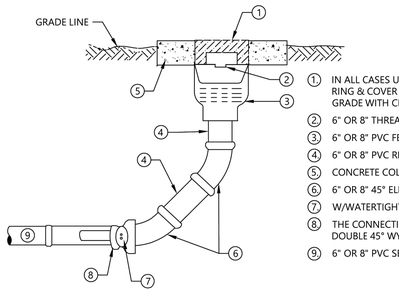
1. CONTINUOUS FOUNDATION ON UNDISTURBED SOIL OR COMPACTED BEDDING (SEE SPECS)

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 STANDARD SEWER SERVICE LATERAL DETAIL

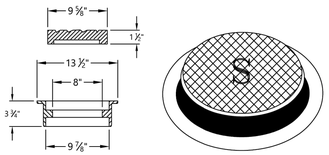
NOT TO SCALE

4



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



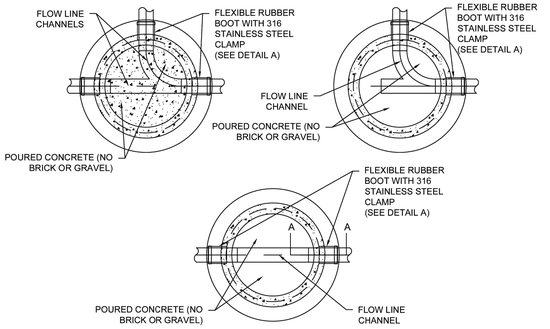
COVERS ARE MARKED WITH "S"

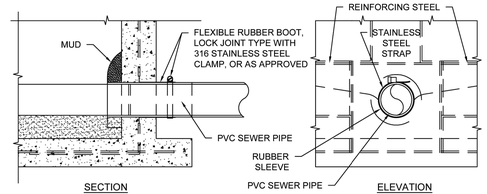
COVER TYPE	LOAD RATING	COVER WEIGHT	TOTAL WEIGHT
FE	HEAVY DUTY	20	45

LEE COUNTY 6" OR 8" CLEANOUT DETAIL

NOT TO SCALE

5





SECTION ELEVATION

FLOW LINE CHANNELS

LEE COUNTY FLOW LINE CHANNEL DETAIL

NOT TO SCALE

6

Z:\PWP\STAM\2025\TAM-250036 EL CAR WASH - 2701 LEE BOULEVARD, LEHIGH ACRES, FL\CAD\PLOTS\DP-1-DET1.DWG

RILEY & Company, Inc. (H-20 GP)©

w/ BATTERY BACK-UP FOR AUDIO AND VISUAL ALARMS & RILEY & COMPANY GUARD PRO IV MONITORING SYSTEM

(No Substitutions - No Alternates)

RILEY & COMPANY, INC. / GUARD PRO IV MONITORING SYSTEM:
GUARD PRO IV offers a remote control and maintenance solution which allows you to create a decentralized system to monitor and control devices. Up to eight (8) different lift station inputs can be monitored and up to eight (8) outputs can be controlled remotely. The GUARD PRO IV can also notify up to eight (8) different recipients via sms text and/or email.

PUMPS: SPECIFICATION

Submersible grinder pumps shall be installed in the H-20 FRP wet well utilizing a dual slide rail system.

The pumps shall be capable of pumping materials normally found in domestic and commercial wastewater.

Stator winding shall be open type with Class H insulation and shall be heat -shrink fitted into the stator housing. The use of pins, bolts and other fastening devices is not acceptable.

A heat sensor thermostat shall be attached to the top end of the motor winding and shall be connected in series with a magnectic contactor coil in the control panel. If the winding temperature exceeeds 140° C, the motor shall shut off but shall automtically reset when the temperature drops below the threshhold. Two heat sensors shall be used on 3 phase motors. Upper & lower mechanical seals shall have Silicon Carbide vs Silicon Carbide.

CONTROL PANEL: SPECIFICATION

The Enclosure shall be MARINE GRADE ALUM, NEMA 4X, minimum 30" high x 20" wide x 10" deep with a 3 point latching system.

The enclosure shall have external mounting feet to allow for wall mounting.
The following components shall be mounted through the enclosure:
1- ea. Red Alarm Beacon (Light) LED 360 Degree viewable range, NEMA 4X
1- ea. Alarm Horn (minimum 95 DCB), ROHS 3 Compliant, NEMA 4X
1- ea. Generator Receptacle w/ weatherproof cover 60A Minimum. Shall meet UL 1682, UL 1686 and UL486E Compliance.

The back panel shall be fabricated from .125, 5052-H32 marine alloy aluminum. All components shall be mounted by machined stainless steel screws.
The following components shall be mounted to back panel:
1- ea. Guard Pro IV Monitoring Unit
2- ea. IEC Style Motor Contactors
1- ea. Volt Monitor (1 Ph) Phase Monitor (3 Ph) w/2 N/O & 1 N/C Contacts
1- ea. Alternator w/ Pump Lead Switch
1- ea. Control Transformer (480 Volt Only) (Min. 500VA)
1- ea. Model RCBBSAH Battery Back-Up w/ Smart Charger (UPS) - 24 Hr Min.
20- ea. Terminals For Field Connections
6- ea. Terminals For Motor Connections (Single Phase Only)
7- ea. Grounding Lugs
1-ea. Lightning and Surge Protection shall meet the UL 1449 2nd Edition

The inner door shall have a continuous aluminum piano hinge.
The following components shall be mounted through the inner door:
1- ea. Main Circuit Breaker - UL489
1- ea. Emergency Circuit Breaker - UL 489
1- ea. Mechanical Interlock For Emergency And Main Breakers (UL Listed)
2- ea. Short Circuit Protectors w/ Auxiliary Contacts
1- ea. Control Circuit Breaker & GFCI Circuit Breaker - UL 489
1- ea. GFI Duplex Convenience Outlet - NEMA 5-15R
2- ea. Elapsed Time Meter, Non-Resettable

MISCELLANEOUS: All wiring on the back panel shall be contained within the wiring duct. All wiring between the inner door and the back panel shall be contained with in a plastic spiral wrap. Each wire shall have a wire number at each end to correspond to the as built drawing for field troubleshooting. The control panel must be manufactured in-house by the lift station supplier and be a TUV (UL508A Certified) facility.

WET WELL: SPECIFICATION

Wet Well FRP Wall Laminate must be designed to withstand wall collapse or buckling based on third party specifications and the assumptions below.

**Hydrostatic Pressure: 62.4 lbs. Per SQ Ft.*
**Saturated Soil Weight: 120 lbs. Per Cubic Ft.*
**Soil Modulus: 700 lbs Per SQ Ft.*
**Pipe Stiffness as Specified in ASTM D 3753*

The wet well FRP laminate must be constructed to withstand or exceed two times the assumed loading for the complete depth of the structure.

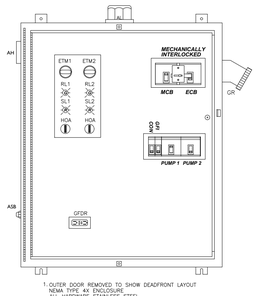
The cover shall be constructed of ¼ inch thick finished aluminum, diamond plate pattern with 300 series stainless steel hardware. The hatch shall have a positive means of locking the door open in the vertical position via a hold open arm and shall be made of a non-corrosive material. The cover shall be mounted with minimum of six 300 series stainless steel fasteners. The access hatch cover shall have a lift handle and a means of locking.

The prefabricated FRP lift station manufacturer shall guarantee the prefabricated lift station per approved drawings for a period of one year from the date of delivery.

INSPECTION & TESTING:
A factory representative shall be provided for a one (1) time start-up and shall have complete knowledge of the proper operation and maintenance of the complete system. The pump motors shall be megged out prior to the start-up to ensure that the insulation of the pump motor and cable is intact. The pumps and the controls shall be checked for mechanical reliability and proper operation.

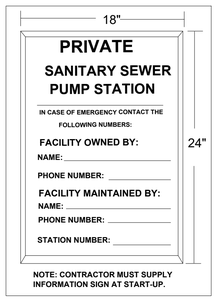
EXECUTION:
Installation shall be in strict accordance with the manufacturer's recommendations in the locations shown on the engineered drawings.

11/29/25 SR



1. OUTER DOOR REMOVED TO SHOW DEADFRONT LAYOUT NEMA TYPE 4X ENCLOSURE ALL HARDWARE STAINLESS STEEL ACTUAL LAYOUT/ORIENTATION MAY VARY.
2. ENCLOSURE SIZE WILL BE 30" X 20" X 10" MINIMUM. CONTROL PANEL SHALL HAVE A 3 POINT LATCHING SYSTEM

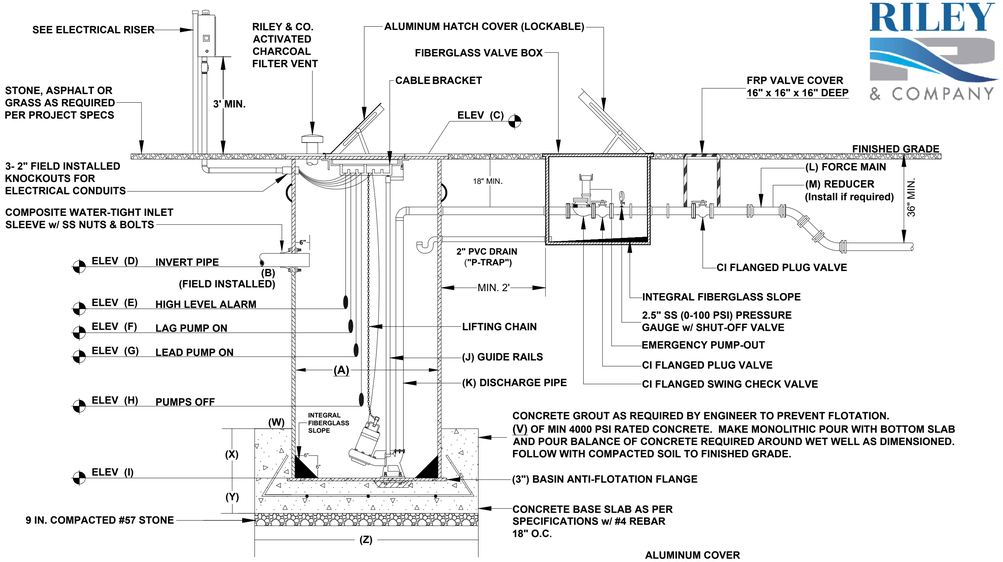
STATION DESIGN CONDITIONS		
PRIMARY PUMP CAPACITY	86	GPM
PRIMARY TDH	65	'TDH
RUN-OUT PUMP CAPACITY	87	GPM
RUN-OUT TDH	18	'TDH
PUMP MODEL #	HOMA RC40136	
R.P.M.	3450	
HORSEPOWER	5.5	
ELECTRICAL VOLTS / PHASE	230V/3Φ	
PUMP DISCHARGE SIZE	2"	
STATION ELEVATIONS AND DIMENSIONS		
100 YEAR FLOOD ELEVATION	xxx.xx'	
WET WELL DIAMETER (A)	60"	
INVERT DIAMETER (B)	6"	
TOP OF WET WELL (C)	24.75'	
INLET / INVERT (D)	21.06'	
HIGH LEVEL ALARM (HLA) (E)	20.56'	
2nd PUMP ON (LAG) (F)	20.06'	
1st PUMP ON (LEAD) (G)	19.56'	
PUMPS OFF (OFF) (H)	18.13'	
BOTTOM OF WET WELL (I)	15.75'	
GUIDE RAIL DIAMETER (J)	½"	
DISCHARGE PIPE DIAMETER (K)	2"	
F.M. PIPE DIAMETER (L)	3"	
REDUCER (if Required) (M)	3" x 2"	
STATION MANUFACTURING MATERIALS		
DISCHARGE/RISER PIPE	HDPE	
INLET PIPE	PVC	
GUIDE RAIL	304 SS	
WET WELL	FRP ASTM D-3753	
WET WELL HATCH COVER	300 LBS PSF ALUM	
CABLE BRACKET	304 SS	
LIFTING CHAIN	304 SS	
PLUG VALVE	CAST IRON	
SWING CHECK VALVE	CAST IRON	
VALVE BOX	FRP	
VALVE BOX HATCH COVER	300 LBS PSF ALUM	
STATION VALVE BOX SIZES		
(36" x 36" x 36" DEEP)	FOR 2" DISCHARGE	
(48" x 48" x 36" DEEP)	FOR 3" DISCHARGE	
(48" x 48" x 36" DEEP)	FOR 4" DISCHARGE	
STATION HATCH OPENINGS		
WET WELL DIA. 36"	48"	60"
	27" x 20"	36" x 24"	36" x 30"
CONCRETE BALLAST REQUIREMENTS		
CUBIC YARDS OF CONCRETE REQUIRED (V)	3.80 yds³	
CIRCUMFERENCE DIMENSION - WIDTH (W)	12.0"	
CIRCUMFERENCE DIMENSION - HEIGHT (X)	18.0"	
BASE SLAB DIMENSION - HEIGHT (Y)	18.0"	
BASE SLAB DIMENSION - LENGTH & WIDTH (Z)	84.0"	

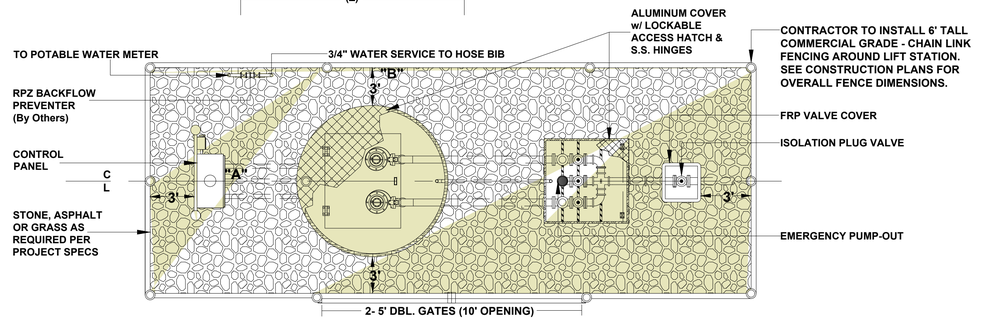


NOTE: CONTRACTOR MUST SUPPLY INFORMATION SIGN AT START-UP.

LIFT STATION WILL BE PRIVATELY OWNED AND MAINTAINED

PRIOR TO START-UP, OWNER MUST HAVE A MINIMUM 1 YR. PREVENTIVE MAINTENANCE CONTRACT WITH A REPUTABLE LIFT STATION MAINTENANCE COMPANY.

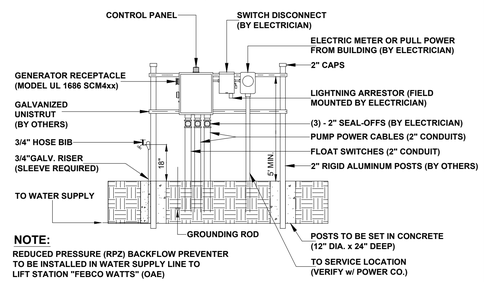




NOTE: PUMP CONTROL PANEL SHALL BE LOCATED A MIN. OF 3 FEET FROM WET WELL PERIMETER AT POINT "A" OR "B"

ELECTRICIAN NOTES:

1. DRAWING NOT TO SCALE
2. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH LOCAL CODES
3. ELECTRICIAN TO INSTALL SWITCH DISCONNECT & LIGHTNING ARRESTOR
4. CONTRACTOR SHALL VERIFY POWER SUPPLY PRIOR TO ORDERING EQUIPMENT
5. NEUTRAL TO BE SUPPLIED FOR 3Φ/208-230V OR 1Φ/208-230V
6. EXCEPT FOR THE CONTROL PANEL, ALL EQUIPMENT AND COMPONENTS BY OTHERS



NOTE:
REDUCED PRESSURE (RPZ) BACKFLOW PREVENTER TO BE INSTALLED IN WATER SUPPLY LINE TO LIFT STATION "FEBCO WATTS" (OAE)

ELECTRICAL RISER FOR ILLUSTRATION PURPOSES ONLY

For Lift Station Proposal:
Please Contact Chase Rachal
(407) 265-9963
c.rachal@rileyandco.com

THIS IS A COPYRIGHTED DRAWING. ANY CHANGES OR MODIFICATIONS WITHOUT WRITTEN APPROVAL FROM RILEY & COMPANY IS STRICTLY PROHIBITED. ©

LIFT STATION DESIGN DETAILS
NOT TO SCALE

RILEY & COMPANY, INC.
5491 BENCHMARK LANE
SANFORD, FL. 32773
PH. 407-265-9963

EL CAR WASH - LEHIGH ACRES

REVISIONS	BY	DATE

DRAWN BY
CHECKED BY
DATE
SCALE
JOB NO.
DRAWING NO.
SHEET NO.

ISSUE	DATE	BY	DESCRIPTION
4	11/26/2025	GPG	FOR COUNTY RESUBMISSION - DOT
3	08/14/2025	GPG	FOR COUNTY SUBMISSION
3	07/10/2025	GPG	FOR 90% CLIENT REVIEW
2	06/27/2025	KGR	FOR 60% CLIENT REVIEW
1	06/13/2025	GPG	FOR CLIENT REVIEW

FOR CONSTRUCTION

STONEFIELD engineering & design
Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com
Rivergate Tower, 400 N Ashley Drive, Suite 1950, Tampa, FL 33602
Phone 813.792.2200

SITE DEVELOPMENT PLANS

CAR WASH FLORIDA

LEHIGH ACRES
PROPOSED CARWASH
PARCEL ID: 23-43-26-00063.0100 & 23-44-26-00063.0120
2701 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

JAMES S. KINOSIAN, P.E.
FLORIDA LICENSE No. 86000
LICENSED PROFESSIONAL ENGINEER
FLORIDA BUSINESS CERT. OF AUTH. No. 30078

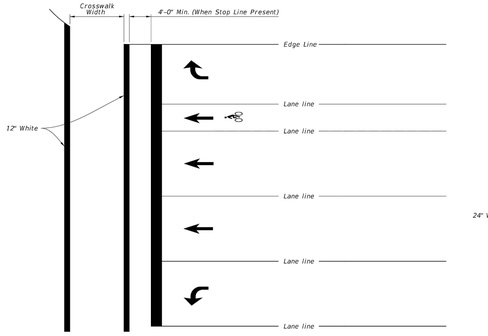
STONEFIELD engineering & design

SCALE: AS SHOWN | PROJECT ID: TAM-250036

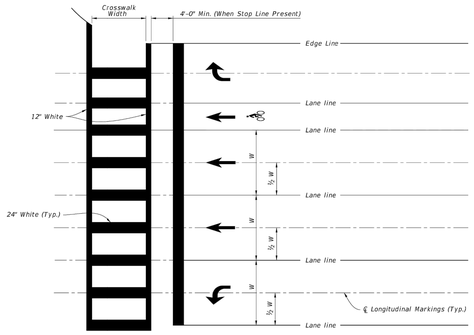
TITLE:
CONSTRUCTION DETAILS

DRAWING:
C-19

Z:\TAMPA\TAM2025\TAM-250036 EL CAR WASH - 2701 LEE BOULEVARD, LEHIGH ACRES, FL\CADD\PLOTDEP-11-GEN.DWG



STANDARD CROSSWALK DETAILS



SPECIAL EMPHASIS CROSSWALK DETAILS

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.

8/20/2024 2:58:26 PM

LAST REVISION	DESCRIPTION:	FDOT		INDEX	SHEET
11/01/21		FY 2025-26 STANDARD PLANS	PAVEMENT MARKINGS	711-001	9 of 13

FDOT PAVEMENT MARKINGS

NOT TO SCALE

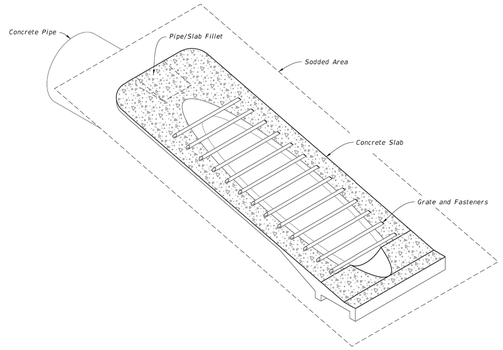
1

GENERAL NOTES:

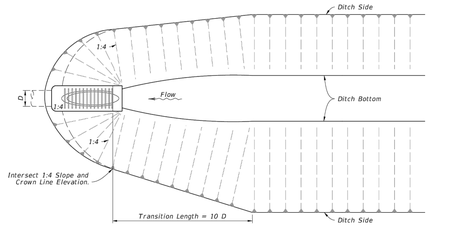
1. Unless otherwise designated in the plans, concrete pipe mitered end sections may be used with any type of side drain pipe; corrugated steel pipe mitered end sections may be used with any type of side drain pipe except aluminum pipe; and, corrugated aluminum mitered end sections may be used with any type of side drain pipe except steel pipe. When bituminous coated metal pipe is specified for side drain pipe, construct the mitered end sections with like pipe or concrete pipe. When the mitered end section pipe is dissimilar to the side drain pipe, construct a concrete jacket in accordance with Index 430-001 or use manufacturer approved coupler.
2. Use either corrugated metal or concrete mitered end sections for corrugated polyethylene pipe (HDPE), polyvinyl-chloride pipe (PVC), steel reinforced polyethylene pipe (SRPE), and polypropylene pipe (PP). When used in conjunction with corrugated metal mitered end sections, make connection using a formed metal band specifically designated to join HDPE, PVC, SRPE, or PVC pipe. When used in conjunction with a concrete mitered end sections, construct concrete jacket in accordance with Index 430-001.
3. Use class NS concrete cast-in-place reinforced slabs for all cross drain pipes.
4. Select lengths of concrete pipe that avoid excessive connections in the assembly of the mitered end section.
5. Repair corrugated metal pipe galvanizing that is damaged during beveling and perforating.
6. When existing multiple side drain pipes are spaced other than the dimensions shown in this Index, have nonparallel axes, or non-uniform sections, either construct the mitered end sections separately as single pipe or collectively as multiple pipe end sections as directed by the Engineer.
7. Saddle Slope:
   1:4 Miter – Slope to ℄ of pipe for round pipes less than or equal to 18" diameter and 1:1 for round pipes greater than or equal to 24" diameter.
   Slope to the major axis for elliptical pipes 24"x38" or smaller and 1:2 for pipes 29"x45" or larger.
   Slope to the span line for pipe arch 28"x20" or smaller and 1:2 for pipe arch 35"x24" or larger.
   1:2 Miter – Slope to ℄ of pipe for round pipes less than or equal to 18"diameter and 1:2 for round pipes greater than or equal to 24" diameter.
   Slope to the major axis for elliptical pipes 29"x45" or smaller and 1:1 for pipes 34"x53" or larger.
   Slope 1:1 for all pipe arch sizes.
8. Quantities shown are for estimating purposes only.

TABLE OF CONTENTS:

Sheet	Description
1	General Notes and Contents
2	Single and Multiple Concrete Pipe
3	Concrete Pipe Dimensions and Quantities and Permissible Pavement Modifications
4	Single and Multiple Corrugated Metal Pipe
5	Corrugated Metal Dimensions and Quantities
6	Concrete Pipe Connection and Corrugated Metal Pipe Anchor Details
7	Fastener Unit and Grate Details



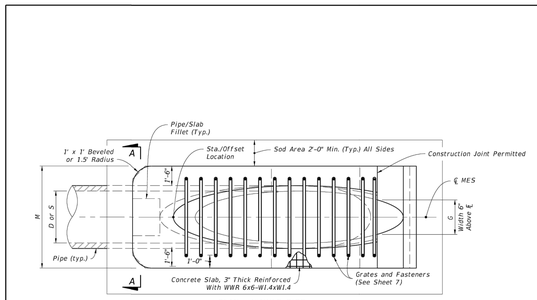
SIDEDRAIN MITERED END SECTION
(Concrete Pipe Shown, Corrugated Metal Pipe Similar)



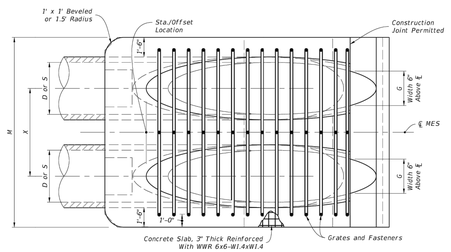
DITCH TRANSITION

10/30/2024 7:33:59 AM

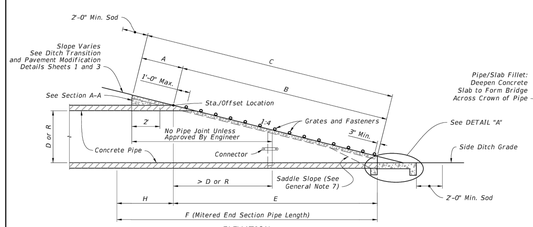
LAST REVISION	DESCRIPTION:	FDOT		INDEX	SHEET
11/01/23		FY 2025-26 STANDARD PLANS	SIDE DRAIN MITERED END SECTION	430-022	1 of 7



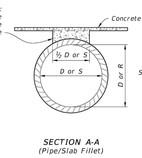
PLAN - SINGLE PIPE



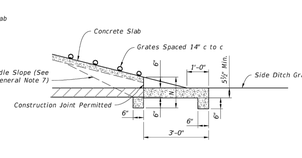
PLAN - MULTIPLE PIPE



ELEVATION



SECTION A-A
(Pipe/Slab Fillet)



DETAIL "A"

ROUND CONCRETE PIPE
(Elliptical Pipe Similar)

SINGLE AND MULTIPLE CONCRETE PIPE

8/20/2024 2:58:51 PM

LAST REVISION	DESCRIPTION:	FDOT		INDEX	SHEET
11/01/18		FY 2025-26 STANDARD PLANS	SIDE DRAIN MITERED END SECTION	430-022	2 of 7

FDOT SIDE DRAIN MITERED END DETAILS

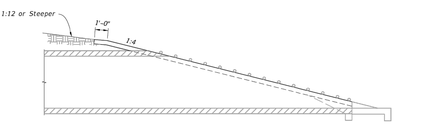
NOT TO SCALE

2

SINGLE AND MULTIPLE CONCRETE PIPE DIMENSIONS AND QUANTITIES

Pipe	Dia. D	Rise R	Span S	X	A	B	C	E	F	G	H	M Single Pipe	M Double Pipe	M Triple Pipe	M Quad. Pipe	N	GRATE SIZES STANDARD WEIGHT PIPE	GRATE SIZES EXTRA STRONG PIPE	3" CONC. SLAB (CY) Single Pipe	3" CONC. SLAB (CY) Double Pipe	3" CONC. SLAB (CY) Triple Pipe	3" CONC. SLAB (CY) Quad. Pipe	SODDING (SY) Single Pipe	SODDING (SY) Double Pipe	SODDING (SY) Triple Pipe	SODDING (SY) Quad. Pipe
Round Concrete	15"	—	—	2'-7"	2'.27'	4.09	6.36	4.03'	8'	1.22'	4.0'	4.63'	7.21'	9.79'	12.37'	1.19'			0.76	1.16	1.54	1.94	8	10	11	12
	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'			0.85	1.28	1.71	2.17	9	10	12	13
	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'			1.02	1.58	2.15	2.75	10	12	13	15
	30"	—	—	4'-3"	2.72'	9.25'	11.95'	9.03'	13'	2.00'	4.0'	6.08'	10.33'	14.58'	18.83'	1.29'	2½"	3"	1.23	1.98	2.74	3.50	12	14	15	17
	36"	—	—	5'-1"	2.87'	11.31'◇	14.18'	11.03' ◇	15'	2.24'	4.0'	6.67'	11.75'	16.83'	21.92'	1.33'	2½"	3"	1.40	2.38	3.33	4.24	13	15	17	20
	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'	2½"	3½"	1.60	2.83	4.04	5.26	14	17	19	22
	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'	2½"	3½"	1.81	3.26	4.70	6.14	15	18	21	24
	54"	—	—	7'-8"	3.39'	17.49'	20.88'	17.03'	21'	2.83'	4.0'	8.42'	16.08'	23.75'	31.42'	1.46'	3"	4"	2.03	3.78	5.54	7.28	17	20	23	27
	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'	3"	4"	2.28	4.36	6.43	8.50	18	22	25	29
Elliptical Concrete	—	12"	18"	2'-10"	2.36'	3.06'	5.42'	3.03'	5'	1.50'	2.0'	4.92'	7.75'	10.58'	13.42'	1.21'			0.68	1.04	1.41	1.77	8	9	11	12
	—	14"	23"	3'-4"	2.44'	3.75'	6.19'	3.70'	6'	1.90'	2.3'	5.38'	8.71'	12.04'	15.38'	1.23'			0.76	1.19	1.63	2.05	9	10	12	13
	—	19"	30"	4'-0"	2.62'	5.47'	8.09'	5.36'	8'	2.37'	2.6'	6.04'	10.04'	14.04'	18.04'	1.27'	2½"	3"	0.95	1.52	2.09	2.65	10	12	13	15
	—	24"	38"	5'-0"	2.79'	7.18'	9.97'	7.03'	10'	2.85'	3.0'	6.79'	11.79'	16.79'	21.79'	1.31'	2½"	3"	1.18	1.95	2.74	3.53	11	13	15	18
	—	29"	45"	5'-11"	3.05'	8.90'	11.95'	8.70'	12'	3.19'	3.3'	7.50'	13.42'	19.33'	25.25'	1.38'	2½"	3½"	1.41	2.42	3.44	4.45	12	15	18	20
	—	34"	53"	7'-0"	3.22'	10.62'	13.84'	10.36'	13'	3.57'	2.6'	8.25'	15.25'	22.25'	29.25'	1.42'	3"	3½"	1.63	2.92	4.22	5.52	13	17	20	23
	—	38"	60"	7'-10"	3.39'	11.99'	15.38'	11.70'	15'	3.95'	3.3'	8.92'	16.75'	24.58'	32.42'	1.46'	3"	4"	1.83	3.36	4.89	6.41	14	18	21	25
	—	43"	68"	8'-11"	3.56'	13.71'	17.27'	13.36'	17'	4.28'	3.6'	9.67'	18.58'	27.50'	36.42'	1.50'	3"	4"	2.09	3.95	5.80	7.65	16	20	23	27
	—	48"	76"	9'-11"	3.73'	15.43'	19.16'	15.03'	19'	4.59'	4.0'	10.42'	20.33'	30.25'	40.17'	1.54'	3"	HSS 5'x7½"	2.37	4.54	6.73	8.92	17	21	26	30
	—	53"	83"	10'-8"	3.91'	17.15'	21.06'	16.70'	20'	4.77'	3.3'	11.08'	21.75'	32.42'	43.08'	1.58'	3"	HSS 5'x9½"	2.61	5.09	7.56	10.03	18	23	27	32
	—	58"	91"	11'-8"	4.08'	18.87'	22.95'	18.36'	22'	5.01'	3.6'	11.83'	23.50'	35.17'	46.83'	1.63'	3½"	HSS 5'x5½"	2.91	5.77	8.64	11.50	19	24	29	35

△6.42' △6.25' Dimensions permitted to allow use of 8' standard pipe lengths.
◇10.40' ◇10.10' Dimensions permitted to allow use of 12' standard pipe lengths.



PERMISSIBLE PAVEMENT MODIFICATION

CONCRETE PIPE DIMENSIONS AND QUANTITIES AND PERMISSIBLE PAVEMENT MODIFICATION

8/20/2024 2:59:07 PM

LAST REVISION	DESCRIPTION:	FDOT		INDEX	SHEET
11/01/19		FY 2025-26 STANDARD PLANS	SIDE DRAIN MITERED END SECTION	430-022	3 of 7

Z:\TAMPA\TAM\250036\TAM-250036 & CAR WASH - 3781 LEE BOULEVARD, LEHIGH ACRES, FL\CAD\PLOTS\P-15-DETL.DWG

ISSUE	DATE	BY	DESCRIPTION
4	11/26/2025	GPG	FOR COUNTY RESUBMISSION - DOT
3	08/14/2025	GPG	FOR COUNTY SUBMISSION
3	07/10/2025	GPG	FOR 90% CLIENT REVIEW
2	06/27/2025	KGR	FOR 60% CLIENT REVIEW
1	06/13/2025	GPG	FOR CLIENT REVIEW

FOR CONSTRUCTION

STONEFIELD engineering & design
Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com
Rivergate Tower, 400 N Ashley Drive, Suite 1950, Tampa, FL 33602
Phone 813.792.2200

SITE DEVELOPMENT PLANS

LEHIGH ACRES
PROPOSED CARWASH

PARCEL ID: 13-45-26-E1-00063.0100 & 25-44-26-05-00063.0120
3781 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

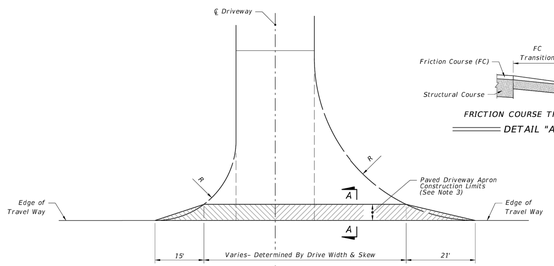
JAMES S. KINOSIAN, P.E.
FLORIDA LICENSE No. 86000
LICENSED PROFESSIONAL ENGINEER
FLORIDA BUSINESS CERT. OF AUTH. No. 30078

STONEFIELD engineering & design

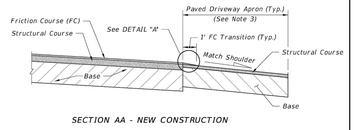
SCALE: AS SHOWN | PROJECT ID: TAM-250036

TITLE: CONSTRUCTION DETAILS

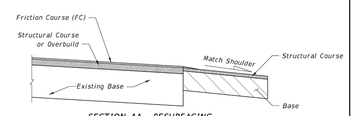
DRAWING: C-20



DRIVEWAY TYPES



SECTION AA - NEW CONSTRUCTION



SECTION AA - RESURFACING

NEW DRIVEWAY

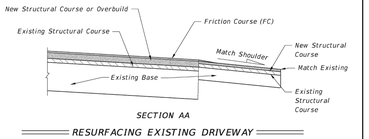
AREAS FOR ONE 5' DEEP DRIVEWAY APRON (SY)				
Drive Width (Ft.)	Intersection			
	Normal		Skewed	
	Type I	Type II	Type I	Type II
12	26	51	31	60
14	27	52	33	61
16	28	53	34	63
18	29	54	35	64
20	31	55	37	65
22	32	56	38	67
24	33	57	39	68
26	34	58	40	69
28	35	59	42	70
30	36	61	43	72
32	37	62	44	73
34	38	63	46	74
36	39	64	47	76
38	41	65	48	77
40	42	66	49	78
42	43	67	51	79
44	44	68	52	81
46	45	69	53	82
48	46	71	55	83
50	47	72	56	85
52	48	73	57	86
54	49	74	58	87
56	51	75	60	88
58	52	76	61	90
60	53	77	62	91

MATERIAL TYPES AND THICKNESSES FOR PAVED CONNECTIONS			
Course	Materials	Minimum Thickness (In.)	
		Connections	Roadway*
Structural	Asphaltic Concrete	1½"	1½"
Bases	Optional Base (See Specification 285)	0.8 G. 2	0.8 G. 3

* Travel way flares (bypass lanes), auxiliary lanes serving more than a single connection, and all median crossovers including their auxiliary lanes and/or transition tapers.

NOTES

1. Use same material for driveway structural course and roadway overbuild or structural course, except as approved by the Engineer for graded connections. Other Department-approved equivalent pavements may be used at the discretion of the Engineer.
2. Auxiliary lanes and their transition tapers shall be the same structure as the abutting travel way pavement thickness or any of the roadway structures tabulated above, whichever is thicker.
3. If an asphalt base course is used for a driveway, its thickness may be increased to match the edge of travel way pavement thickness in lieu of a separate structural course. 6" of Portland cement concrete will be acceptable in lieu of the asphalt base and structural courses. See Notes 4 and 5 below.
4. A structural course is required for flexible pavements when they are used for auxiliary lanes serving more than a single connection.
5. Use Class NS concrete at least 6" thick for driveways paved with Portland Cement Concrete. Construct in accordance with Specifications 347, 350, and 522.
6. The Department may require other pavement criteria where local conditions warrant.



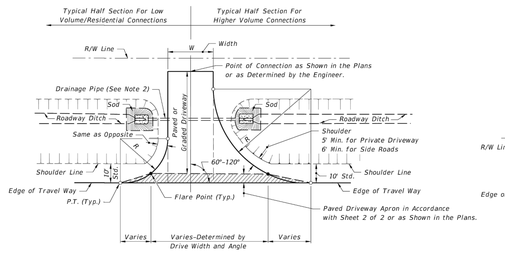
SECTION AA

RESURFACING EXISTING DRIVEWAY

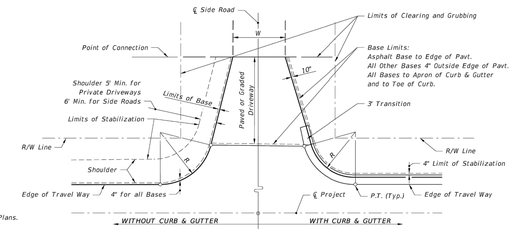
GENERAL NOTES:

1. Driveways are to be constructed or resurfaced for low volume (single family, duplex, farm, etc.) residential connections as directed by the Engineer.
2. Driveways construction is not required for low volume residential connections where roadway shoulders are paved.
3. Match existing paved shoulder widths ≥ 4'. For all other shoulders conditions, construct at 5' wide.
4. Connections beyond the shoulder width are to be constructed as directed by the Engineer.
5. Construct Driveway Base in accordance with Specification 286.
6. Payment for structural course and friction course is to be included in roadway pavement pay item.

LAST REVISION	DESCRIPTION:	FDOT	FY 2025-26 STANDARD PLANS	PAVED AND GRADED DRIVEWAYS	INDEX	SHEET
11/01/18					330-001	2 of 2

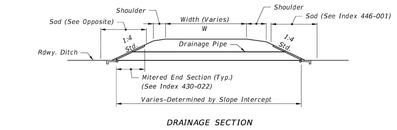


PLAN

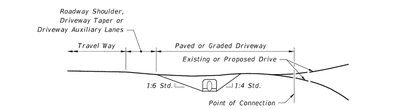


PLAN

LIMITS OF CLEARING & GRUBBING, STABILIZING AND BASE AT DRIVEWAYS



DRAINAGE SECTION



DRIVEWAY PROFILE AND END VIEW

FLUSH SHOULDER ROADWAY - DRIVEWAY CONSTRUCTION

DRIVEWAY ENTRANCES NOTES:

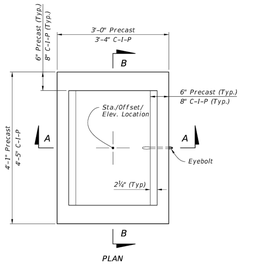
1. See Plans for Driveway Width (W) and Return Radius (R).
2. See the Plans for drainage pipe size and length or as determined by the Engineer. The size will be no less than 15" diameter or equivalent.
3. Stable material may be required for graded driveways to private property as directed by the Engineer in accordance with Specification 102-8.
4. The driveway pavement requirement at graded connections may be waived for connections serving one or two homes or field entrances with less than 20 trips per day, or 5 trips per hour as approved by the Engineer, or when not shown in the Plans.
5. Point of Connection:
   a. Construct paved driveways for all paved connecting facilities. The connecting point will be determined by the Engineer.
   b. Construct paved driveways for all business, commercial, industrial or high volume residential graded connecting facilities. Construct the connecting point 30'-0" from edge of travel way or at R/W line, whichever is less.
   c. Construct paved driveways for all side road connections. The R/W is the connecting point.

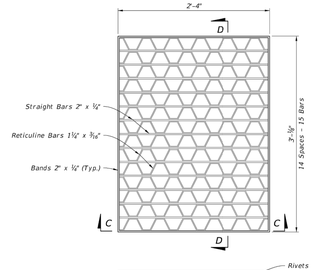
LAST REVISION	DESCRIPTION:	FDOT	FY 2025-26 STANDARD PLANS	PAVED AND GRADED DRIVEWAYS	INDEX	SHEET
11/01/18					330-001	1 of 2

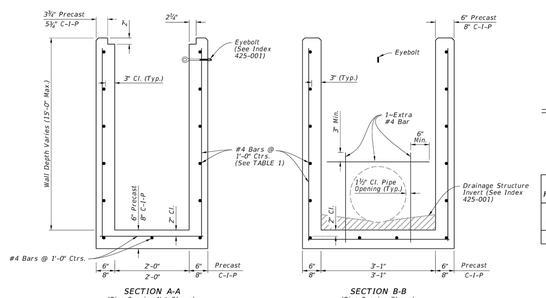
FDOT DRIVEWAY DETAILS

NOT TO SCALE

1







STEEL GRATE DETAIL

(Approx. 104 Lbs. - See Sheet 7 For Cast Iron Grates)

TABLE 1 HORIZONTAL WALL REINFORCING SCHEDULE				
WALL DEPTH	SCHEDULE	AREA (in.²/ft.)	MAX. SPACING	
			BARS	WWF
0 - 15'	A12	0.20	12"	8"

NOTES:

1. Grate, Concrete Apron, and Sod not shown on structure detail.
2. See Sheet 8, 9, and 10 for Concrete Apron and Sodded Area details.

DIMENSIONAL AND REINFORCING DETAILS

TYPE C - DIMENSIONAL, REINFORCING, AND STEEL GRATE DETAILS

LAST REVISION	DESCRIPTION:	FDOT	FY 2025-26 STANDARD PLANS	DITCH BOTTOM INLET TYPES C, D, E, AND H	INDEX	SHEET
11/01/20					425-052	2 of 14

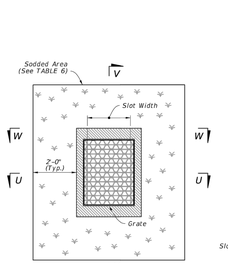


TABLE 6 SOD ONLY QUANTITIES	
Inlet Type	Sod SY
C	6
D	6
E	7
H	8

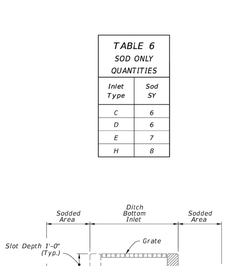
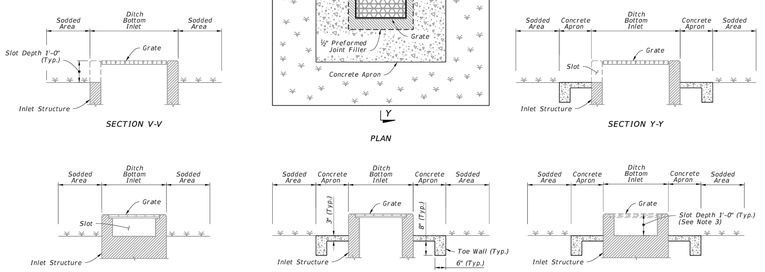


TABLE 7 SOD AND CONCRETE APRON QUANTITIES		
Inlet Type	Sod SY	Conc. CY
C	8	0.30
D	9	0.36
E	9	0.37
H	11	0.45



SODDING ONLY

(Slot Shown, Non-Slot Similar)

SODDING AND PAVEMENT

(Slot Shown, Non-Slot Similar)

NOTES:

1. Concrete Apron installed only where called for in the Plans.
2. Sod always required.

NON-TRAVERSABLE INLET DETAILS

LAST REVISION	DESCRIPTION:	FDOT	FY 2025-26 STANDARD PLANS	DITCH BOTTOM INLET TYPES C, D, E, AND H	INDEX	SHEET
11/01/23					425-052	8 of 14

FDOT DITCH BOTTOM INLET TYPE C DETAILS

NOT TO SCALE

2

ISSUE	DATE	BY	DESCRIPTION
4	11/26/2025	GPG	FOR COUNTY RESUBMISSION - DOT
3	08/14/2025	GPG	FOR COUNTY SUBMISSION
3	07/10/2025	GPG	FOR 90% CLIENT REVIEW
2	06/27/2025	KGR	FOR 60% CLIENT REVIEW
1	06/13/2025	GPG	FOR CLIENT REVIEW

FOR CONSTRUCTION

STONEFIELD engineering & design
Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com
Rivergate Tower, 400 N Ashley Drive, Suite 1950, Tampa, FL 33602
Phone 813.792.2200

SITE DEVELOPMENT PLANS

CAR WASH FLORIDA

LEHIGH ACRES
PROPOSED CARWASH
PARCEL ID: 23-45-26-A5-00063.0100 & 23-44-26-B5-00063.0120
2701 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

JAMES S. KINOSIAN, P.E.
FLORIDA LICENSE No. 86000
LICENSED PROFESSIONAL ENGINEER
FLORIDA BUSINESS CERT. OF AUTH. No. 30078

STONEFIELD engineering & design

SCALE: AS SHOWN | PROJECT ID: TAM-250036

TITLE: CONSTRUCTION DETAILS

DRAWING: C-21

Z:\TAMPA\TAM\2025\TAM-250036.01, CAR WASH - 3701 LEE BOULEVARD, LEHIGH ACRES, FL\CAD\PLOTS\PLH-11-DETS.DWG
11:42:31 AM 8/20/2024
11:42:37 AM 8/20/2024
11:43:28 AM 8/20/2024

LED Wall Pack light

WSD LED INC

Wattages: 15W,25W



CCT SELECTABLE

The Wall Pack LED Lighting Series can be widely used for Indoor or Outdoor (Wet Location) Excellent for Museums, Art Galleries, Shopping Malls, Office Buildings, Walls and many other applications.

Features:

- Lumileds LED, high luminous efficiency and long working life.
- High efficiency LED Driver, the wide range input voltage AC120-277V.
- Die Cast aluminium cooling design,high quality and better cooling for LED Tj < 85℃.
- Excellent Optics design, greatly improve the light utilization and evenness.
- The 1-10V Dimming type is continuous.

Packaging information:

❖**WSD-WP015W27-345K:**

Carton Size:545mmX230mmX285mm
21.46"x9.06"x11.22" (12Pcs/CTN)

❖**WSD-WP025W27-345K:**

Carton Size:545mmX230mmX285mm
21.46"x9.06"x11.22" (12Pcs/CTN)

SPECIFICATION						
TYPE	WSD-WP015W27-345K			WSD-WP025W27-345K		
WATTAGE	15W			25W		
CCT	3000K	4000K	5000K	3000K	4000K	5000K
LUMEN	2130 lm	2246 lm	2218 lm	3423 lm	3656 lm	3571 lm
EFFICACY	> 150 lm/W					
CRI	> 70					
INPUT VOLTAGE	AC120-277V					
LIGHTING ANGLE	112.4°X105.3°					
FACTORY SETTINGS	4000K					
LED TYPE	2835					
PF	> 0.95					
DRIVER EFFICIENCY	> 89%					
PROTECTION LEVEL	WET					
LIFE TIME	> 50000 hours					
WARRANTY	5 year limited					

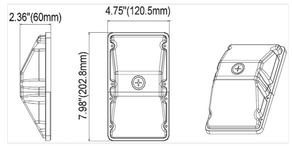
Address: 1250 Wattley Way, Suite 100, McKinney, TX 75069
Email: leo.zhu@wisdom-ssl.com • Tel: 469.857.5693 / 214.940.9558

LED Wall Pack light

WSD LED INC

Wattages: 15W,25W

DIMENSION:



15W/25W

Specifications:

Shell materials: Aluminum & PC.
Net weight : 1.26 lbs
Finish: Dark Bronze(Standard)
Product Size:202.8mmX120.5mmX60mm
7.98"X4.75"X2.36"

Control Module:

The LED Wall Pack light can adjust the color temperature of the whole lamp, which is convenient and fast. The color temperature can be selected according to the actual needs of customers.



CCT SELECTABLE

ORDERING INFORMATION:

EXAMPLE:

WSD-WP015W27-345K-Z[D,W,B,S]-Y[Blank,P] / WSD-WP025W27-345K-Z[D,W,B,S]-Y[Blank,P]

WSD	WP	015	27	345K	Z	Y
COMPANY	PRODUCT	POWER	VOLTAGE	CCT	FINISH	CONTROL
WSD LED INC	**WP** Wall Pack light	**015** (15W) **025** (25W)	**27** AC120-277V	**345K** 3000K/4000K/5000K	D (Dark Bronze) W (White) B (Black) S (Silvery)	**P** (Photocell)

Address: 1250 Wattley Way, Suite 100, McKinney, TX 75069
Email: leo.zhu@wisdom-ssl.com • Tel: 469.857.5693 / 214.940.9558

LIGHT FIXTURE 'A' DETAILS

NOT TO SCALE

1

Catalog # : _____ Project : _____ Type : _____
Prepared By : _____ Date : _____

LifeStyle Medium (XDLM)

Outdoor Decorative Area Light

IP65



OVERVIEW	
Lumen Package (lm)	5,000 - 25,000
Wattage Range (W)	39 - 196
Efficacy Range (LPW)	120 - 168
Weight lbs (kg)	36 (16.3)

QUICK LINKS

Ordering Guide | Performance | Photometrics | Dimensions

FEATURES & SPECIFICATIONS

Construction

- Rugged die-cast aluminum crown.
- Wiring emerges from crown through compression seal fitting to prevent water entry. One-piece silicone gasket seals crown to shade for water- and dust-tight construction.
- Spun aluminum shade with two shade styles available: A - Angle and B - Bell.
- Brackets are extruded and cast aluminum assemblies or fabrications. All decorative elements are die cast or extruded aluminum.
- Fixtures are finished with LSI's DuraGrip® polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling. Other standard LSI finishes available. Consult factory.
- Shipping weight in carton - 36 lbs (16.3 kg).

Optical System

- State-of-the-Art one piece silicone optic sheet delivers industry leading optical control with an integrated gasket to provide IP65 rated seal.
- Proprietary silicone refractor optics provide exceptional coverage and uniformity in distribution types 2, 3, 5W and FT.
- Silicone optical material does not yellow or crack with age and provides a typical light transmittance of 93%.
- Zero uplight.
- Available in 5000K, 4000K, and 3000K color temperatures per ANSI C78.377.

Specifications are subject to change without notice.

- Minimum CRI of 70.
- Integral louver (IL) option available for improved backlight control with minimal sacrifice to street side performance.

Electrical

- High-performance driver features overvoltage, under-voltage, short-circuit and over temperature protection.
- 0-10V dimming (10% - 100%) standard.
- Standard Universal Voltage (120-277 VAC) Input. 50/60 Hz or optional High Voltage (347-480 VAC).
- L80 Calculated Life: >100k Hours.
- Total harmonic distortion: <20%
- Operating temperature: -40°C to +40°C (-40°F to +104°F).
- Power factor: >.90
- Input power stays constant over life.
- Field replaceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).
- High-efficacy LEDs mounted to metal-core circuit board to maximize heat dissipation
- Driver is fully encased in potting material for moisture resistance and complies with FCC standards.

Controls

- Optional integral passive infrared Bluetooth™ motion and photocell sensor. Fixtures operate independently and can be commissioned via iOS or Android configuration app.

Installation

- Classic Hook (CH) and Side Arm available. See Steel Round Pole and Aluminum Round Pole data sheets for pole selection information.
- Classic hook mount requires a 4" O.D. pole or tenon.
- Side Arm pole mount utilizes LSI's traditional B3 drill pattern.

Warranty

- LSI luminaires carry a 5-year limited warranty. Refer to https://www.lsicorp.com/resources/terms-conditions-warranty/ for more information.

Listings

- Listed to UL 1598 and UL 8750.
- Meets Buy American Act requirements.
- Title 24 Compliant; see local ordinance for qualification information.
- Suitable for wet locations.
- IP65 rated Luminaire per IEC 60598-1.
- Patented Silicone Optics (US Patent NO. 10,816,165 B2).
- DarkSky approved; with 3000K CCT or warmer color temperature selection.
- DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL, to confirm which versions are qualified.Please check the DLC Qualified Products List at www.designlights.org/QPL, to confirm which versions are qualified.

LSI Industries Inc. 10000 Alliance Rd. Cincinnati, OH 45242 • (513) 372-3200 • www.lsicorp.com
LSI Industries Inc. All Rights Reserved. Specifications and dimensions subject to industry standard tolerances. Specifications subject to change without notice.

LIGHT FIXTURE 'B' DETAILS

NOT TO SCALE

2

LifeStyle Medium (XDLM) Outdoor Decorative Area Light

Type : _____

Have questions? Call us at (800) 436-7800

ORDERING GUIDE

Back to Quick Links

TYPICAL ORDER EXAMPLE: XDLM B 3 LED SS NW UE BLK CH S PC1120

Prefix	Shade	Distribution	Light Source	Lumen Package	Color Temperature	Voltage	Finish
XDLM - LifeStyle Medium	**A** - Angle **B** - Bell	**2** - Type 2 **3** - Type 3 **5** - Type 5 **FT** - Type 4 (Forward Throw)	**LED**	**VLW** - 5,000 lms **LW** - 8,000 lms **SS** - 12,000 lms **NO** - 18,000 lms **VHO** - 25,000 lms Custom Lumen Packages[1]	**CW** - 5,000K CCT **NW** - 4,000K CCT DarkSky Approved CCT's **WW** - 3,000K CCT	**UE** - Universal Voltage (120 - 277V) **347-480** - High Voltage (347-480V)	**BLK** - Black **BRZ** - Bronze **WHT** - White **GPT** - Graphite **GMG** - Gun Metal Grey **MSV** - Metallic Silver **PLP** - Platinum Plus **SVG** - Satin Verde Green

Mounting Style[2,3]	Mounting Configuration[2,3]	Controls	Options
CH - Classic Hook **SA5** - Side Arm Mount for 4" O.D. Round Poles[4] **SA5** - Side Arm Mount for 5" O.D. Round Poles[4] **SAW** - Side Arm Wall Mount	**S** - Single **D180** - Double @ 180° **D90** - Double @ 90°[5] **T90** - Triple @ 90°[5] **TN120** - Triple @ 120°[5] **Q90** - Quad[5]	**IMSBT1** - Integral Bluetooth™ Motion and Photocell Sensor max 8-24' mounting height[6] **IMSBT2** - Integral Bluetooth™ Motion and Photocell Sensor max 25-40' mounting height[6] **ALBMR1LB** - AirLink Blue Long Range Wireless Multi-Range Sensor Controller (8-15' Mh)[6] **ALBMR2LB** - AirLink Blue Long Range Wireless Multi-Range Sensor Controller (16-40' Mh)[6]	**IL** - Integral Louver Shield

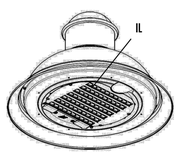
Need more information? Click here for our glossary

Have additional questions? Call us at (800) 436-7800

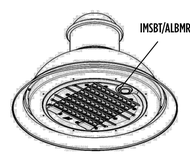
ACCESSORY ORDERING INFORMATION

Part Number	Description
FK120[7]	Single Fusing (120V)
FK277[7]	Single Fusing (277V)
DF480[7]	Double Fusing (480V)
DF347[7]	Double Fusing (347V)

Fixture Shown With Integral Louver



Fixture Shown With Integral Sensor



1 Custom lumen and wattage packages available; consult factory. Values are within industry standard tolerances but not DLC listed.
2 When ordering a multiple configuration (D180, etc.) order one fixture/bracket configuration per pole - i.e. order one XDLMB 3 LED SS CW UE BLK CH D180 PCXXX to receive two fixtures and one CH D180 bracket (see drawing on this page). See STEEL ROUND POLES and ALUMINUM ROUND POLES data sheets for pole ordering information.
3 See Lifestyle Bracket ordering chart for Mounting Style/Configurations availability.
4 Ø3 drilling pattern required.
5 For use with SA4 and SA5 mounting styles only.
6 Sensors are field configurable via a phone app that can be downloaded from your smartphone's native app store.
7 Fusing must be located in the hand hole of pole.

LSI Industries Inc. 10000 Alliance Rd. Cincinnati, OH 45242 • (513) 372-3200 • www.lsicorp.com
LSI Industries Inc. All Rights Reserved. Specifications and dimensions subject to industry standard tolerances. Specifications subject to change without notice.

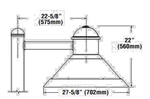
LifeStyle Medium (XDLM) Outdoor Decorative Area Light

Type : _____

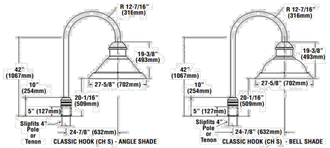
Have questions? Call us at (800) 436-7800

PRODUCT DIMENSIONS

Back to Quick Links

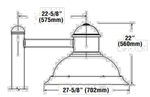


SIDE ARM (SA4 S) - ANGLE SHADE



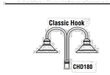
CLASSIC HOOK (CH S) - ANGLE SHADE

CLASSIC HOOK (CH S) - BELL SHADE



SIDE ARM (SA4 S) - BELL SHADE

See Lifestyle Brackets and Mounts in outdoor section of latest Buyers Guide for details on other bracket sizes.



Classic Hook
CHD180



Side Arm
SAD180



SAW

LUMINAIRE EPA CHART - XDLM	
Single	1.8
D180°	3.1
D90°	2.7
T90°	4.0
TN120°	4.0
Q90°	4.9

Note: Includes Bracket

LSI Industries Inc. All Rights Reserved. Specifications and dimensions subject to industry standard tolerances. Specifications subject to change without notice.

ISSUE	DATE	BY	DESCRIPTION
4	11/26/2025	GPG	FOR COUNTY RESUBMISSION - DOT
3	08/14/2025	GPG	FOR COUNTY SUBMISSION
3	07/10/2025	GPG	FOR 90% CLIENT REVIEW
2	06/27/2025	KGR	FOR 60% CLIENT REVIEW
1	06/13/2025	GPG	FOR CLIENT REVIEW

FOR CONSTRUCTION

STONEFIELD engineering & design
Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com
Rivergate Tower, 400 N Ashley Drive, Suite 1950, Tampa, FL 33602
Phone 813.792.2200

SITE DEVELOPMENT PLANS

CAR WASH FLORIDA

LEHIGH ACRES

PROPOSED CARWASH
PARCEL ID: 23-45-26-05-00063.0100 & 23-44-26-05-00063.0120
2701 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

JAMES S. KINOSIAN, P.E.
FLORIDA LICENSE No. 86000
LICENSED PROFESSIONAL ENGINEER
FLORIDA BUSINESS CERT. OF AUTH. No. 30078

STONEFIELD engineering & design

SCALE: AS SHOWN | PROJECT ID: TAM-250036

TITLE: CONSTRUCTION DETAILS

DRAWING: C-22

Z:\PROJECTS\2025\TAM-250036\4-DL CAR WASH - 2701 LEE BOULEVARD, LEHIGH ACRES, FL\CAD\PHOTOPDF\4-DETS.DWG

Catalog # : _____ Project : _____ Type : _____

Prepared By : _____ Date : _____

LifeStyle Medium (XDLM)

Outdoor Decorative Area Light



OVERVIEW	
Lumen Package (lm)	5,000 - 25,000
Wattage Range (W)	39 - 196
Efficacy Range (LPW)	120 - 168
Weight lbs (kg)	36 (16.3)

QUICK LINKS

Ordering Guide | Performance | Photometrics | Dimensions

FEATURES & SPECIFICATIONS

Construction

- Rugged die-cast aluminum crown.
- Wiring emerges from crown through compression seal fitting to prevent water entry. One-piece silicone gasket seals crown to shade for water- and dust-tight construction.
- Spun aluminum shade with two shade styles available: A - Angle and B - Bell.
- Brackets are extruded and cast aluminum assemblies or fabrications. All decorative elements are die cast or extruded aluminum.
- Fixtures are finished with LSI's DuraGrip® polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling. Other standard LSI finishes available. Consult factory.
- Shipping weight in carton - 36 lbs (16.3 kg).

Optical System

- State-of-the-Art one piece silicone optic sheet delivers industry leading optical control with an integrated gasket to provide IP65 rated seal.
- Proprietary silicone refractor optics provide exceptional coverage and uniformity in distribution types 2, 3, 5W and FT.
- Silicone optical material does not yellow or crack with age and provides a typical light transmittance of 93%.
- Zero uplight.
- Available in 5000K, 4000K, and 3000K color temperatures per ANSI C78.377.
- Minimum CRI of 70.
- Integral louver (IL) option available for improved backlight control with minimal sacrifice to street side performance.

Electrical

- High-performance driver features overvoltage, under-voltage, short-circuit and over temperature protection.
- 0-10V dimming (10% - 100%) standard.
- Standard Universal Voltage (120-277 VAC) Input 50/60 Hz or optional High Voltage (347-480 VAC).
- L80 Calculated Life: >100k Hours.
- Total harmonic distortion: <20%
- Operating temperature: -40°C to +40°C (-40°F to +104°F).
- Power factor: >.90
- Input power stays constant over life.
- Field replaceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).
- High-efficacy LEDs mounted to metal-core circuit board to maximize heat dissipation
- Driver is fully encased in potting material for moisture resistance and complies with FCC standards.

Controls

- Optional integral passive infrared Bluetooth™ motion and photocell sensor. Fixtures operate independently and can be commissioned via iOS or Android configuration app.

Installation

- Classic Hook (CH) and Side Arm available. See Steel Round Pole and Aluminum Round Pole data sheets for pole selection information.
- Classic hook mount requires a 4" O.D. pole or tenon.
- Side Arm pole mount utilizes LSI's traditional B3 drill pattern.

Warranty

- LSI luminaires carry a 5-year limited warranty. Refer to https://www.lsicorp.com/resources/terms-conditions-warranty/ for more information.

Listings

- Listed to UL 1598 and UL 8750.
- Meets Buy American Act requirements.
- Title 24 Compliant; see local ordinance for qualification information.
- Suitable for wet locations.
- IP65 rated Luminaire per IEC 60598-1.
- Patented Silicone Optics (US Patent NO. 10,816,165 B2).
- DarkSky approved; with 3000K CCT or warmer color temperature selection.
- DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

Specifications are subject to change without notice.

©LSI Industries Inc. All Rights Reserved. Specifications and dimensions subject to industry standard tolerances. Specifications subject to change without notice.

LifeStyle Medium (XDLM) Outdoor Decorative Area Light

Type : _____

Have questions? Call us at (800) 436-7800

ORDERING GUIDE

Back to Quick Links

TYPICAL ORDER EXAMPLE: XDLM B 3 LED SS NW UE BLK CH S PCI120

Prefix	Shade	Distribution	Light Source	Lumen Package	Color Temperature	Voltage	Finish
XDLM - LifeStyle Medium	**A** - Angle **B** - Bell	**2** - Type 2 **3** - Type 3 **5** - Type 5 **FT** - Type 4 (Forward Throw)	**LED**	**VLW** - 5,000 lms **LW** - 8,000 lms **SS** - 12,000 lms **HO** - 18,000 lms **VHO** - 25,000 lms Custom Lumen Packages[1]	**CW** - 5,000K CCT **NW** - 4,000K CCT *DarkSky Approved (CT's* **WW** - 3,000K CCT	**UE** - Universal Voltage (120 - 277V) **347-480** - High Voltage (347-480V)	**BLK** - Black **BRZ** - Bronze **WHT** - White **GPT** - Graphite **GMG** - Gun Metal Grey **MSV** - Metallic Silver **PLP** - Platinum Plus **SVG** - Satin Verde Green

Mounting Style[2,3]	Mounting Configuration[2,3]	Controls	Options
CH - Classic Hook **SA4** - Side Arm Mount for 4" O.D. Round Poles[4] **SA5** - Side Arm Mount for 5" O.D. Round Poles[4] **SAW** - Side Arm Wall Mount	**S** - Single **D180** - Double @ 180° **D90** - Double @ 90°[5] **T90** - Triple @ 90°[5] **TN120** - Triple @ 120°[5] **Q90** - Quad[5]	**IMSBT1** - Integral Bluetooth™ Motion and Photocell Sensor max 8-24' mounting height[6] **IMSBT2** - Integral Bluetooth™ Motion and Photocell Sensor max 25-40' mounting height[6] **ALBMR2LLR** - AirLink Blue Long Range Wireless Multi-Range Sensor Controller (8-15' MH)[6] **ALBMR2LLR** - AirLink Blue Long Range Wireless Multi-Range Sensor Controller (16-40' MH)[6]	**IL** - Integral Louver Shield

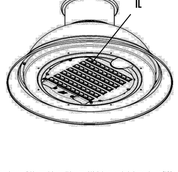
Need more information? Click here for our glossary

Have additional questions? Call us at (800) 436-7800

ACCESSORY ORDERING INFORMATION

Part Number	Description
FK120[7]	Single Fusing (120V)
FK277[7]	Single Fusing (277V)
DFK480[7]	Double Fusing (480V)
DFK347[7]	Double Fusing (347V)

Fixture Shown With Integral Louver



Fixture Shown With Integral Sensor



1 Custom lumen and wattage packages available, consult factory. Values are within industry standard tolerances but not DLC listed.
2 When ordering a multiple configuration (D180, etc.) order one fixture/bracket configuration per pole - i.e. order one XDLM3 LED SS CW UE BLK CH D180 PCI120 to receive two fixtures and one CH D180 bracket (see drawing on this page). See STEEL ROUND POLES and ALUMINUM ROUND POLES data sheets for pole ordering information.
3 See Lifestyle Bracket ordering chart for Mounting Style/Configurations availability.
4 BS drilling pattern required.
5 For use with SA4 and SA5 mounting styles only.
6 Sensors are field configurable via a phone app that can be downloaded from your smartphone's native app store.
7 Fusing must be located in the hand hole of pole.

©LSI Industries Inc. All Rights Reserved. Specifications and dimensions subject to industry standard tolerances. Specifications subject to change without notice.

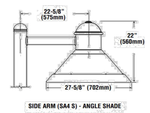
LifeStyle Medium (XDLM) Outdoor Decorative Area Light

Type : _____

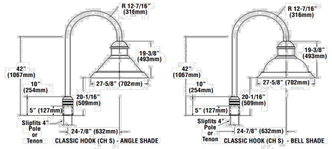
Have questions? Call us at (800) 436-7800

PRODUCT DIMENSIONS

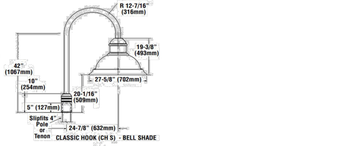
Back to Quick Links



SIDE ARM (SA4 S) - ANGLE SHADE

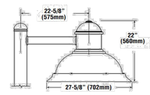


CLASSIC HOOK (CH S) - ANGLE SHADE



CLASSIC HOOK (CH S) - BELL SHADE

See Lifestyle Brackets and Mounts in outdoor section of latest Buyers Guide for details on other bracket sizes.



SIDE ARM (SA4 S) - BELL SHADE







LUMINAIRE EPA CHART - XDLM	
Single	1.8
D180°	3.1
D90°	2.7
T90°	4.0
TN120°	4.0
Q90°	4.9

Note: Includes Bracket

©LSI Industries Inc. All Rights Reserved. Specifications and dimensions subject to industry standard tolerances. Specifications subject to change without notice.

LIGHT FIXTURE 'C' DETAILS

NOT TO SCALE

1

Catalog # : _____ Project : _____ Type : _____

Prepared By : _____ Date : _____

LifeStyle Medium (XDLM)

Outdoor Decorative Area Light



OVERVIEW	
Lumen Package (lm)	5,000 - 25,000
Wattage Range (W)	39 - 196
Efficacy Range (LPW)	120 - 168
Weight lbs (kg)	36 (16.3)

QUICK LINKS

Ordering Guide | Performance | Photometrics | Dimensions

FEATURES & SPECIFICATIONS

Construction

- Rugged die-cast aluminum crown.
- Wiring emerges from crown through compression seal fitting to prevent water entry. One-piece silicone gasket seals crown to shade for water- and dust-tight construction.
- Spun aluminum shade with two shade styles available: A - Angle and B - Bell.
- Brackets are extruded and cast aluminum assemblies or fabrications. All decorative elements are die cast or extruded aluminum.
- Fixtures are finished with LSI's DuraGrip® polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling. Other standard LSI finishes available. Consult factory.
- Shipping weight in carton - 36 lbs (16.3 kg).

Optical System

- State-of-the-Art one piece silicone optic sheet delivers industry leading optical control with an integrated gasket to provide IP65 rated seal.
- Proprietary silicone refractor optics provide exceptional coverage and uniformity in distribution types 2, 3, 5W and FT.
- Silicone optical material does not yellow or crack with age and provides a typical light transmittance of 93%.
- Zero uplight.
- Available in 5000K, 4000K, and 3000K color temperatures per ANSI C78.377.
- Minimum CRI of 70.
- Integral louver (IL) option available for improved backlight control with minimal sacrifice to street side performance.

Electrical

- High-performance driver features overvoltage, under-voltage, short-circuit and over temperature protection.
- 0-10V dimming (10% - 100%) standard.
- Standard Universal Voltage (120-277 VAC) Input 50/60 Hz or optional High Voltage (347-480 VAC).
- L80 Calculated Life: >100k Hours.
- Total harmonic distortion: <20%
- Operating temperature: -40°C to +40°C (-40°F to +104°F).
- Power factor: >.90
- Input power stays constant over life.
- Field replaceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).
- High-efficacy LEDs mounted to metal-core circuit board to maximize heat dissipation
- Driver is fully encased in potting material for moisture resistance and complies with FCC standards.

Controls

- Optional integral passive infrared Bluetooth™ motion and photocell sensor. Fixtures operate independently and can be commissioned via iOS or Android configuration app.

Installation

- Classic Hook (CH) and Side Arm available. See Steel Round Pole and Aluminum Round Pole data sheets for pole selection information.
- Classic hook mount requires a 4" O.D. pole or tenon.
- Side Arm pole mount utilizes LSI's traditional B3 drill pattern.

Warranty

- LSI luminaires carry a 5-year limited warranty. Refer to https://www.lsicorp.com/resources/terms-conditions-warranty/ for more information.

Listings

- Listed to UL 1598 and UL 8750.
- Meets Buy American Act requirements.
- Title 24 Compliant; see local ordinance for qualification information.
- Suitable for wet locations.
- IP65 rated Luminaire per IEC 60598-1.
- Patented Silicone Optics (US Patent NO. 10,816,165 B2).
- DarkSky approved; with 3000K CCT or warmer color temperature selection.
- DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

Specifications are subject to change without notice.

LSI Industries Inc. 10000 Alliance Rd. Cincinnati, OH 45242 • (513) 372-3200 • www.lsicorp.com
©LSI Industries Inc. All Rights Reserved. Specifications and dimensions subject to industry standard tolerances. Specifications subject to change without notice.
Page 1/7 Rev. 06/09/25
SPEC.1167.A.0625

LifeStyle Medium (XDLM) Outdoor Decorative Area Light

Type : _____

Have questions? Call us at (800) 436-7800

ORDERING GUIDE

Back to Quick Links

TYPICAL ORDER EXAMPLE: XDLM B 3 LED SS NW UE BLK CH S PCI120

Prefix	Shade	Distribution	Light Source	Lumen Package	Color Temperature	Voltage	Finish
XDLM - LifeStyle Medium	A - Angle B - Bell	2 - Type 2 3 - Type 3 5 - Type 5 FT - Type 4 (Forward Throw)	LED	VLW - 5,000 lms LW - 8,000 lms SS - 12,000 lms HO - 18,000 lms VHO - 25,000 lms Custom Lumen Packages[1]	CW - 5,000K CCT NW - 4,000K CCT DarkSky Approved (CT's WW - 3,000K CCT	UE - Universal Voltage (120 - 277V) 347-480 - High Voltage (347-480V)	BLK - Black BRZ - Bronze WHT - White GPT - Graphite GMG - Gun Metal Grey MSV - Metallic Silver PLP - Platinum Plus SVG - Satin Verde Green

Mounting Style[2,3]	Mounting Configuration[2,3]	Controls	Options
CH - Classic Hook SA4 - Side Arm Mount for 4" O.D. Round Poles[4] SA5 - Side Arm Mount for 5" O.D. Round Poles[4] SAW - Side Arm Wall Mount	S - Single D180 - Double @ 180° D90 - Double @ 90°[5] T90 - Triple @ 90°[5] TN120 - Triple @ 120°[5] Q90 - Quad[5]	IMSBT1 - Integral Bluetooth™ Motion and Photocell Sensor max 8-24' mounting height[6] IMSBT2 - Integral Bluetooth™ Motion and Photocell Sensor max 25-40' mounting height[6] ALBMR2LLR - AirLink Blue Long Range Wireless Multi-Range Sensor Controller (8-15' MH)[6] ALBMR2LLR - AirLink Blue Long Range Wireless Multi-Range Sensor Controller (16-40' MH)[6]	IL - Integral Louver Shield

Need more information? Click here for our glossary

Have additional questions? Call us at (800) 436-7800

ACCESSORY ORDERING INFORMATION

Part Number	Description
FK120[7]	Single Fusing (120V)
FK277[7]	Single Fusing (277V)
DFK480[7]	Double Fusing (480V)
DFK347[7]	Double Fusing (347V)

Fixture Shown With Integral Louver

Fixture Shown With Integral Sensor

1 Custom lumen and wattage packages available, consult factory. Values are within industry standard tolerances but not DLC listed.
2 When ordering a multiple configuration (D180, etc.) order one fixture/bracket configuration per pole - i.e. order one XDLM3 LED SS CW UE BLK CH D180 PCI120 to receive two fixtures and one CH D180 bracket (see drawing on this page). See STEEL ROUND POLES and ALUMINUM ROUND POLES data sheets for pole ordering information.
3 See Lifestyle Bracket ordering chart for Mounting Style/Configurations availability.
4 BS drilling pattern required.
5 For use with SA4 and SA5 mounting styles only.
6 Sensors are field configurable via a phone app that can be downloaded from your smartphone's native app store.
7 Fusing must be located in the hand hole of pole.

LSI Industries Inc. 10000 Alliance Rd. Cincinnati, OH 45242 • (513) 372-3200 • www.lsicorp.com
©LSI Industries Inc. All Rights Reserved. Specifications and dimensions subject to industry standard tolerances. Specifications subject to change without notice.
Page 2/7 Rev. 06/09/25
SPEC.1167.A.0625

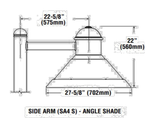
LifeStyle Medium (XDLM) Outdoor Decorative Area Light

Type : _____

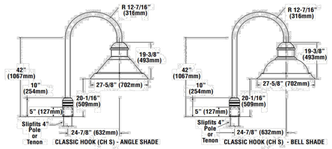
Have questions? Call us at (800) 436-7800

PRODUCT DIMENSIONS

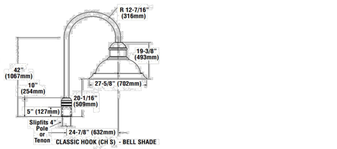
Back to Quick Links



SIDE ARM (SA4 S) - ANGLE SHADE

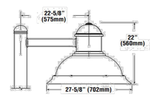


CLASSIC HOOK (CH S) - ANGLE SHADE



CLASSIC HOOK (CH S) - BELL SHADE

See Lifestyle Brackets and Mounts in outdoor section of latest Buyers Guide for details on other bracket sizes.



SIDE ARM (SA4 S) - BELL SHADE







LUMINAIRE EPA CHART - XDLM	
Single	1.8
D180°	3.1
D90°	2.7
T90°	4.0
TN120°	4.0
Q90°	4.9

Note: Includes Bracket

LSI Industries Inc. 10000 Alliance Rd. Cincinnati, OH 45242 • (513) 372-3200 • www.lsicorp.com
©LSI Industries Inc. All Rights Reserved. Specifications and dimensions subject to industry standard tolerances. Specifications subject to change without notice.
Page 6/7 Rev. 06/09/25
SPEC.1167.A.0625

LIGHT FIXTURE 'D' DETAILS

NOT TO SCALE

2

Z:\EAGLE\PROJECTS\TAM-250036 EL CAR WASH - 3701 LEE BOULEVARD, LEHIGH ACRES, FL\CAD\PHOTOPLAN-ELSITEPLOT.DWG

ISSUE	DATE	BY	DESCRIPTION
4	11/26/2025	GPG	FOR COUNTY RESUBMISSION - DOT
3	08/14/2025	GPG	FOR COUNTY SUBMISSION
3	07/10/2025	GPG	FOR 90% CLIENT REVIEW
2	06/27/2025	KGR	FOR 60% CLIENT REVIEW
1	06/13/2025	GPG	FOR CLIENT REVIEW

FOR CONSTRUCTION

STONEFIELD engineering & design
Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com
Rivergate Tower, 400 N Ashley Drive, Suite 1950, Tampa, FL 33602
Phone 813.792.2200

SITE DEVELOPMENT PLANS

CAR WASH FLORIDA

LEHIGH ACRES PROPOSED CARWASH

PARCEL ID: 23-45-26-A5-00063.0100 & 23-44-26-B0-05000.63.0120
2701 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

JAMES S. KINOSIAN, P.E.
FLORIDA LICENSE No. 86000
LICENSED PROFESSIONAL ENGINEER
FLORIDA BUSINESS CERT. OF AUTH. No. 30078

STONEFIELD engineering & design

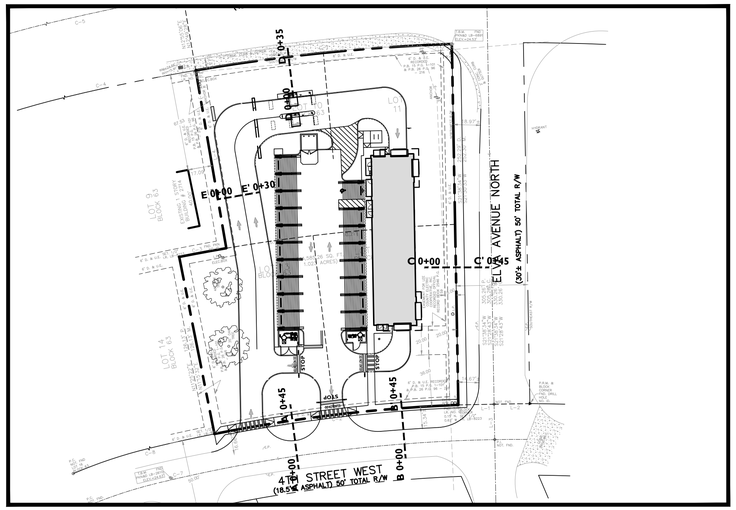
SCALE: AS SHOWN | PROJECT ID: TAM-250036

TITLE:

CONSTRUCTION DETAILS

DRAWING:

C-23

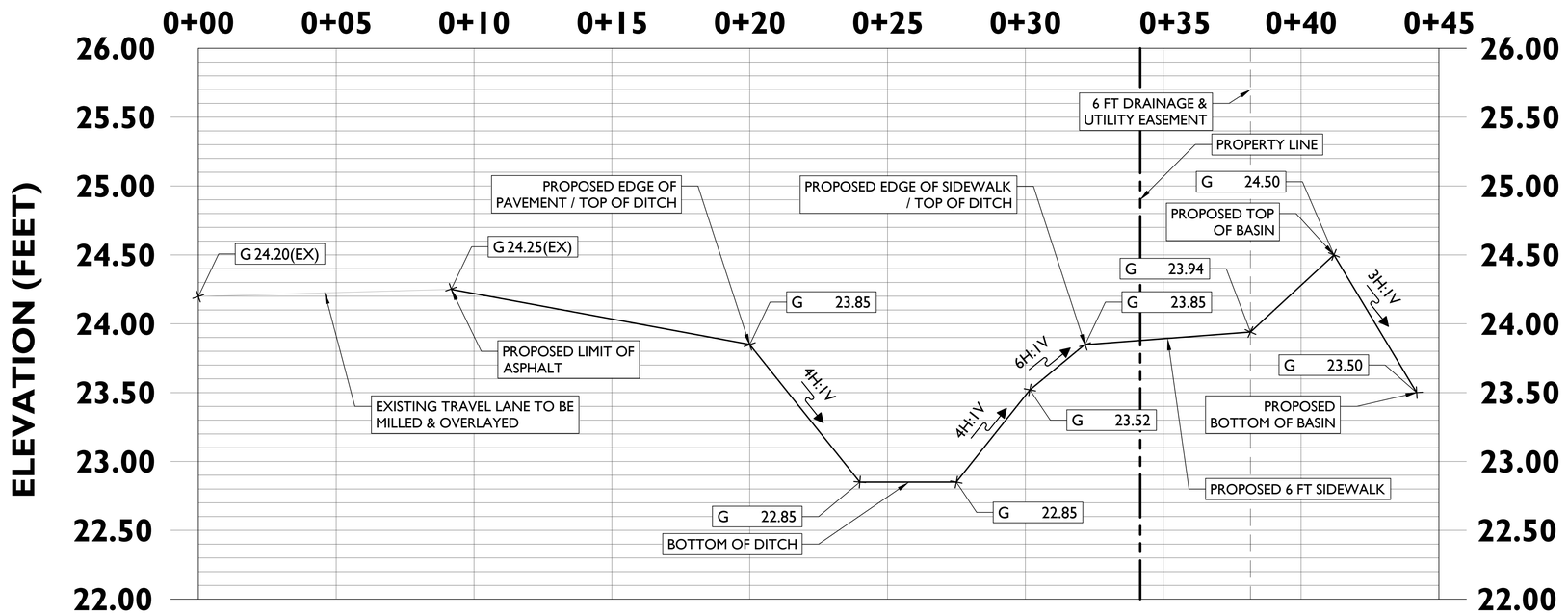


PLAN VIEW SCALE

20' 0' 20' 40'

GRAPHIC SCALE IN FEET

1" = 20'



A - A' SECTION

SYMBOL	DESCRIPTION
———	PROPERTY LINE
G 100.00	PROPOSED GRADE SPOT SHOT
TC 100.50 / BC 100.00	PROPOSED TOP OF CURB / BOTTOM OF CURB SPOT SHOT
TW 100.50 / BW 100.00	PROPOSED TOP OF WALL / BOTTOM OF WALL SPOT SHOT

SECTION VERTICAL SCALE

1' 0' 1' 2'

GRAPHIC SCALE IN FEET

1"=2'

SECTION HORIZONTAL SCALE

5' 0' 5' 10'

GRAPHIC SCALE IN FEET

1" = 5'

ISSUE	DATE	BY	DESCRIPTION
4	11/26/2025	GPG	FOR COUNTY RESUBMISSION - DOT
3	08/14/2025	GPG	FOR COUNTY SUBMISSION
3	07/10/2025	GPG	FOR 90% CLIENT REVIEW
2	06/27/2025	KGR	FOR 60% CLIENT REVIEW
1	06/13/2025	GPG	FOR CLIENT REVIEW

FOR CONSTRUCTION

STONEFIELD engineering & design
Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com
Rivergate Tower, 400 N Ashley Drive, Suite 1950, Tampa, FL 33602
Phone 813.792.2200

SITE DEVELOPMENT PLANS

CAR WASH FLORIDA

LEHIGH ACRES
PROPOSED CARWASH

PARCEL ID: 25-44-26-W5-00063.0100 & 25442605000630120
2701 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

JAMES S. KINOSIAN, P.E.
FLORIDA LICENSE No. 86000
LICENSED PROFESSIONAL ENGINEER
FLORIDA BUSINESS CERT. OF AUTH. No. 30078

STONEFIELD engineering & design

SCALE: AS SHOWN | PROJECT ID: TAM-250036

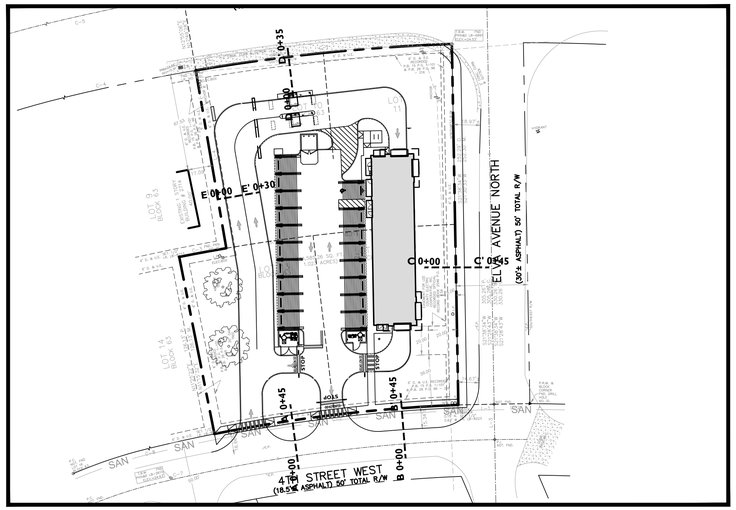
TITLE:

CROSS SECTIONS

DRAWING:

C-24

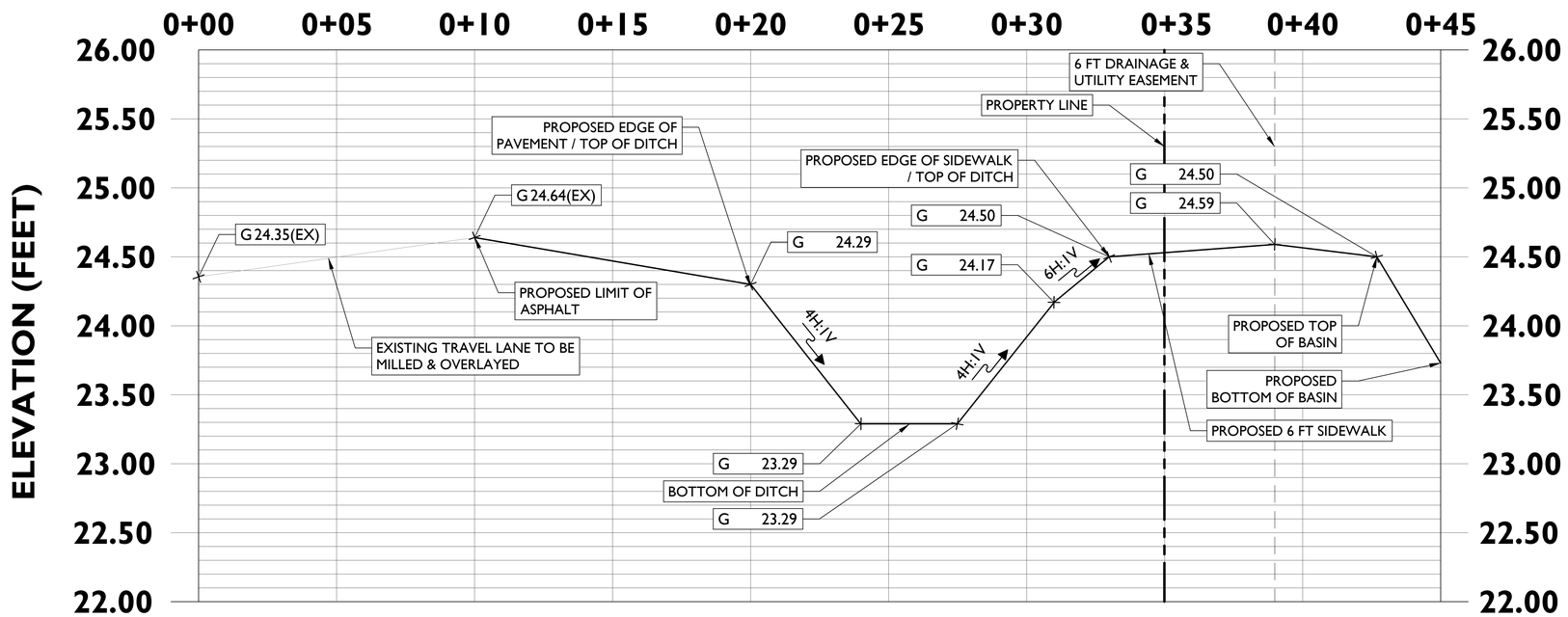
Z:\TAMPA\TAM2025\TAM-250036 EL CAR WASH - 2701 LEE BOULEVARD, LEHIGH ACRES, FL\CAD\PLOTS\DP-24-SECT.DWG



PLAN VIEW SCALE

50' 0' 50' 100'

GRAPHIC SCALE IN FEET
1" = 50'



B - B' SECTION

SYMBOL	DESCRIPTION
— — —	PROPERTY LINE
G 100.00	PROPOSED GRADE SPOT SHOT
TC 100.50 / BC 100.00	PROPOSED TOP OF CURB / BOTTOM OF CURB SPOT SHOT
TW 100.50 / BW 100.00	PROPOSED TOP OF WALL / BOTTOM OF WALL SPOT SHOT

SECTION VERTICAL SCALE

1' 0' 1' 2'

GRAPHIC SCALE IN FEET
1"=2'

SECTION HORIZONTAL SCALE

5' 0' 5' 10'

GRAPHIC SCALE IN FEET
1" = 5'

ISSUE	DATE	BY	DESCRIPTION
4	11/26/2025	GPG	FOR COUNTY RESUBMISSION - DOT
3	08/14/2025	GPG	FOR COUNTY SUBMISSION
3	07/10/2025	GPG	FOR 90% CLIENT REVIEW
2	06/27/2025	KGR	FOR 60% CLIENT REVIEW
1	06/13/2025	GPG	FOR CLIENT REVIEW

FOR CONSTRUCTION

STONEFIELD engineering & design
Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com
Rivergate Tower, 400 N Ashley Drive, Suite 1950, Tampa, FL 33602
Phone 813.792.2200

SITE DEVELOPMENT PLANS

CAR WASH FLORIDA

LEHIGH ACRES PROPOSED CARWASH

PARCEL ID: 25442605000063.0100 & 25442605000063.0120
2701 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

JAMES S. KINOSIAN, P.E.
FLORIDA LICENSE No. 86000
LICENSED PROFESSIONAL ENGINEER
FLORIDA BUSINESS CERT. OF AUTH. No. 30078

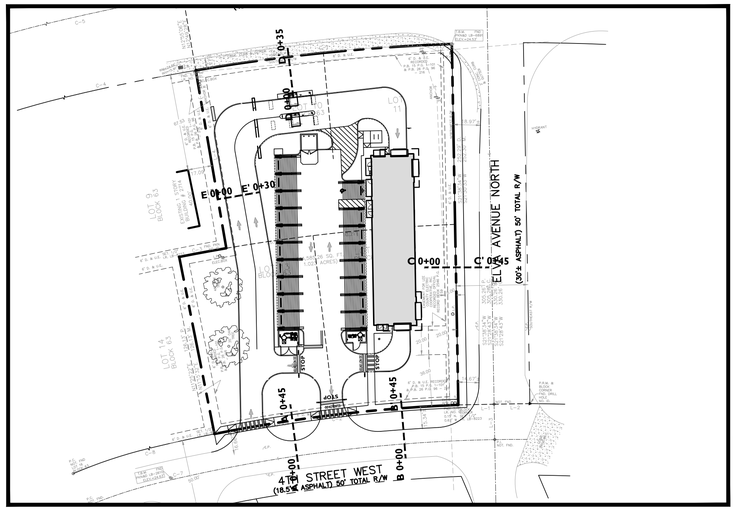
STONEFIELD engineering & design

SCALE: AS SHOWN | PROJECT ID: TAM-250036

TITLE: CROSS SECTIONS

DRAWING: C-25

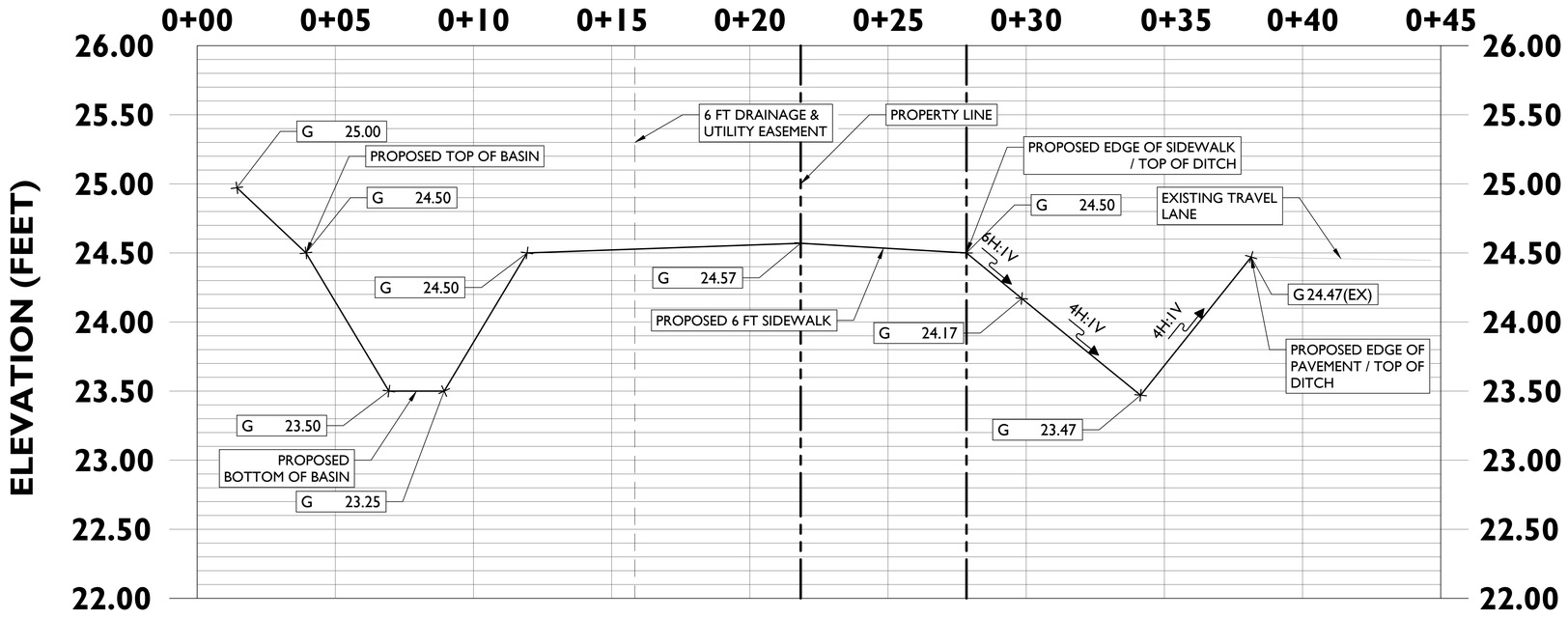
Z:\TAMPA\TAM\2025\TAM-250036 EL CAR WASH - 2701 LEE BOULEVARD, LEHIGH ACRES, FL\CADD\PLOT\SDP-24-SECT.DWG



PLAN VIEW SCALE

50' 0' 50' 100'

GRAPHIC SCALE IN FEET
1" = 50'



C - C' SECTION

SYMBOL	DESCRIPTION
— — —	PROPERTY LINE
× G 100.00	PROPOSED GRADE SPOT SHOT
× TC 100.50 / BC 100.00	PROPOSED TOP OF CURB / BOTTOM OF CURB SPOT SHOT
× TW 100.50 / BW 100.00	PROPOSED TOP OF WALL / BOTTOM OF WALL SPOT SHOT

SECTION VERTICAL SCALE

1' 0' 1' 2'

GRAPHIC SCALE IN FEET
1"=2'

SECTION HORIZONTAL SCALE

5' 0' 5' 10'

GRAPHIC SCALE IN FEET
1" = 5'

ISSUE	DATE	BY	DESCRIPTION
4	11/26/2025	GPG	FOR COUNTY RESUBMISSION - DOT
3	08/14/2025	GPG	FOR COUNTY SUBMISSION
3	07/10/2025	GPG	FOR 90% CLIENT REVIEW
2	06/27/2025	KGR	FOR 60% CLIENT REVIEW
1	06/13/2025	GPG	FOR CLIENT REVIEW

FOR CONSTRUCTION

STONEFIELD engineering & design
Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com
Rivergate Tower, 400 N Ashley Drive, Suite 1950, Tampa, FL 33602
Phone 813.792.2200

SITE DEVELOPMENT PLANS

CAR WASH FLORIDA

LEHIGH ACRES PROPOSED CARWASH

PARCEL ID: 254426050063.0100 & 254426050063.0120
2701 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

JAMES S. KINOSIAN, P.E.
FLORIDA LICENSE No. 86000
LICENSED PROFESSIONAL ENGINEER
FLORIDA BUSINESS CERT. OF AUTH. No. 30078

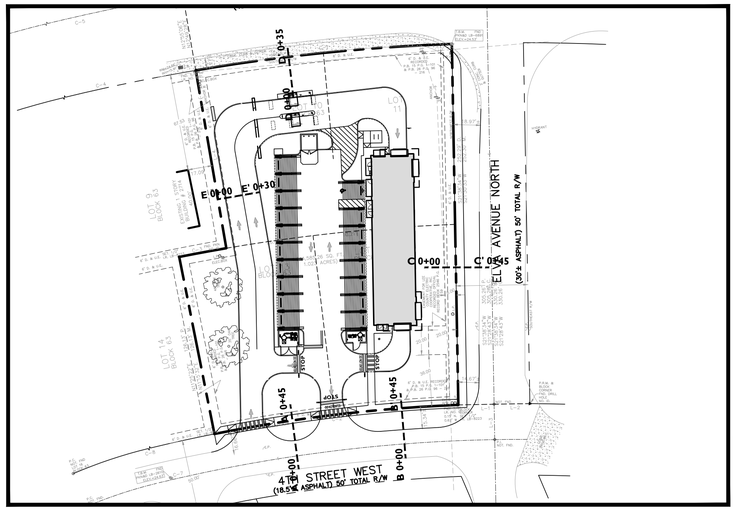
STONEFIELD engineering & design

SCALE: AS SHOWN | PROJECT ID: TAM-250036

TITLE: CROSS SECTIONS

DRAWING: C-26

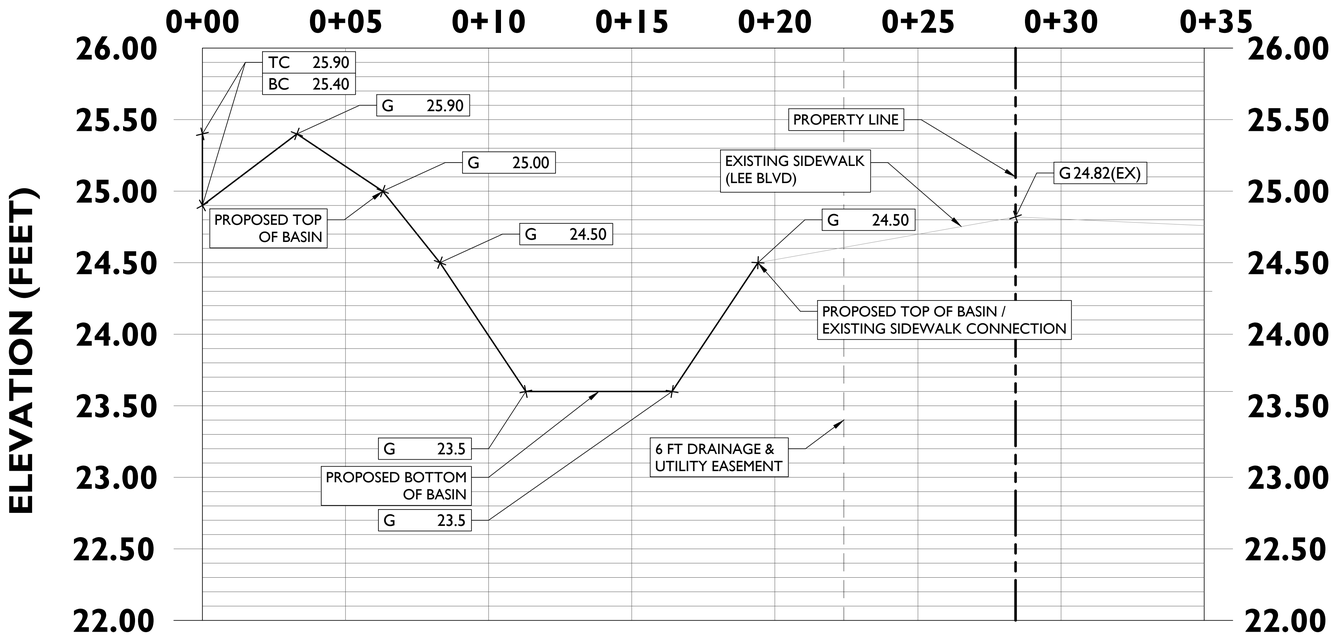
Z:\TAMPA\TAMPA2025\TAM-250036 EL CAR WASH - 2701 LEE BOULEVARD, LEHIGH ACRES, FL\CADD\PLOT\SDP-24-SECT.DWG



PLAN VIEW SCALE

20' 0' 20' 40'

GRAPHIC SCALE IN FEET
1" = 20'



D - D' SECTION

SYMBOL	DESCRIPTION
— — —	PROPERTY LINE
× G 100.00	PROPOSED GRADE SPOT SHOT
× TC 100.50 / BC 100.00	PROPOSED TOP OF CURB / BOTTOM OF CURB SPOT SHOT
× TW 100.50 / BW 100.00	PROPOSED TOP OF WALL / BOTTOM OF WALL SPOT SHOT

SECTION VERTICAL SCALE

1' 0' 1' 2'

GRAPHIC SCALE IN FEET
1"=2'

SECTION HORIZONTAL SCALE

5' 0' 5' 10'

GRAPHIC SCALE IN FEET
1" = 5'

ISSUE	DATE	BY	DESCRIPTION
4	11/26/2025	GPG	FOR COUNTY RESUBMISSION - DOT
3	08/14/2025	GPG	FOR COUNTY SUBMISSION
3	07/10/2025	GPG	FOR 90% CLIENT REVIEW
2	06/27/2025	KGR	FOR 60% CLIENT REVIEW
1	06/13/2025	GPG	FOR CLIENT REVIEW

FOR CONSTRUCTION

STONEFIELD engineering & design
Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com
Rivergate Tower, 400 N Ashley Drive, Suite 1950, Tampa, FL 33602
Phone 813.792.2200

SITE DEVELOPMENT PLANS

CAR WASH FLORIDA

LEHIGH ACRES PROPOSED CARWASH

PARCEL ID: 25442605000063.0100 & 25442605000063.0120
2701 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

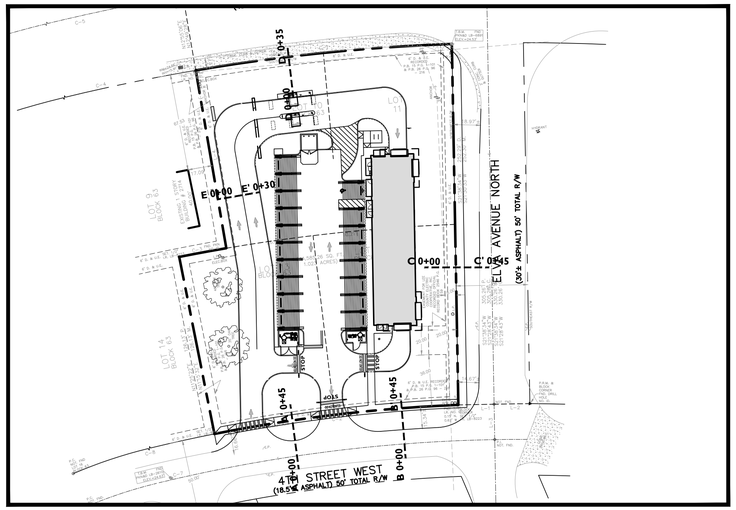
JAMES S. KINOSIAN, P.E.
FLORIDA LICENSE No. 86000
LICENSED PROFESSIONAL ENGINEER
FLORIDA BUSINESS CERT. OF AUTH. No. 30078

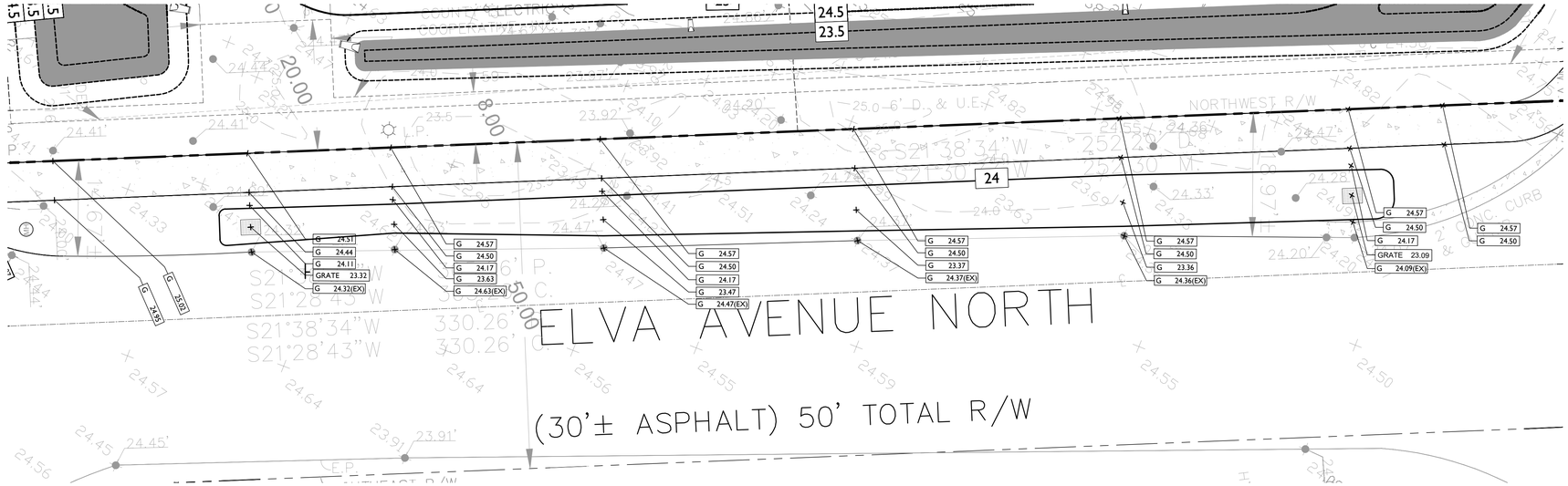
STONEFIELD engineering & design

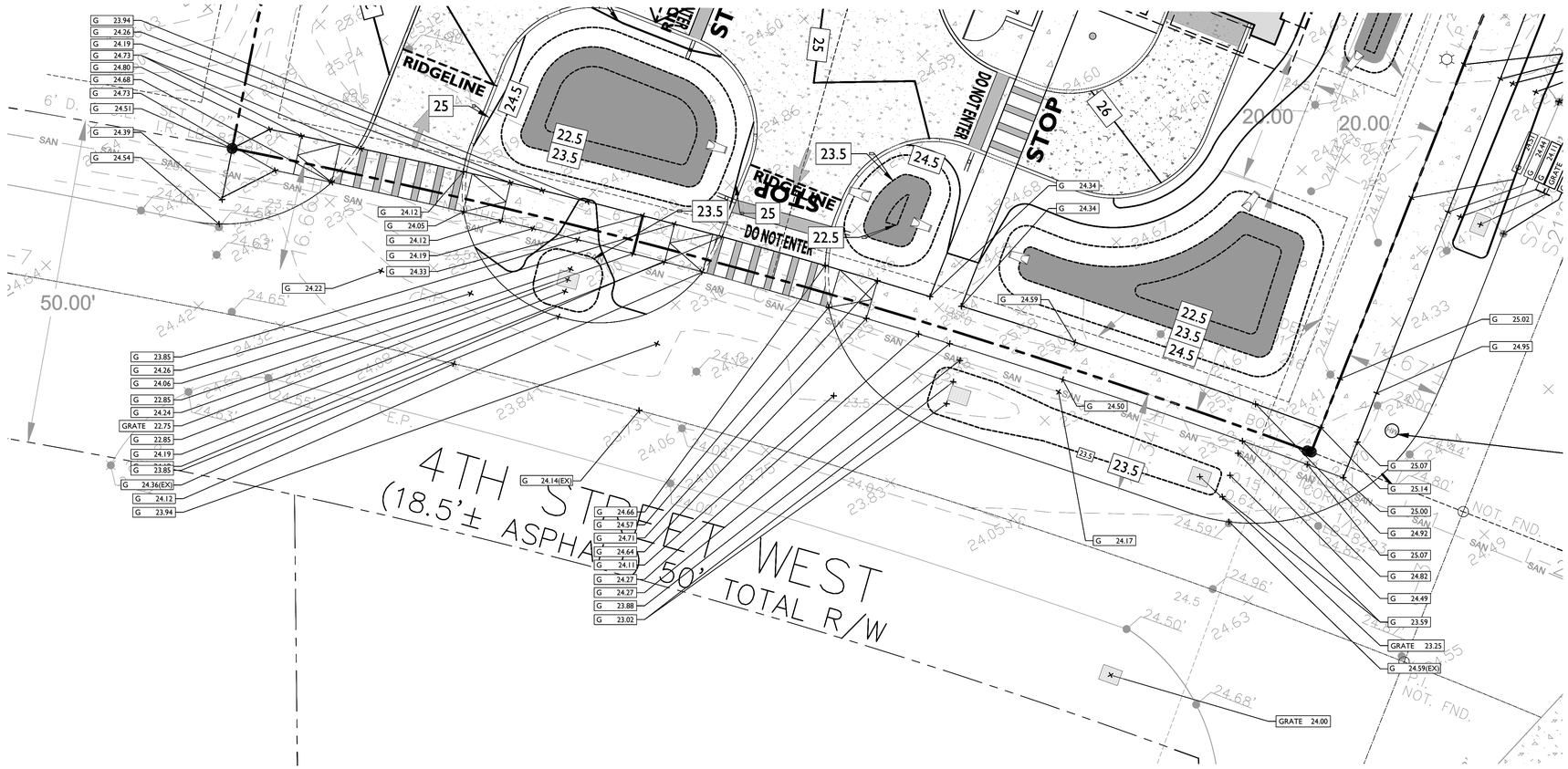
SCALE: AS SHOWN | PROJECT ID: TAM-250036

TITLE: CROSS SECTIONS

DRAWING: C-27


E 0+00
E' 0+30
C 0+00
C' 0+45
ELVA AVENUE NORTH
(30'± ASPHALT) 50' TOTAL R/W
47TH STREET WEST
(18.5'± ASPHALT) 50' TOTAL R/W
B 0+00
B' 0+45
A 0+00
A' 0+45
D 0+00
D' 0+35
LOT 9
BLOCK 9
LOT 10
BLOCK 9
POOL
PATIO
PATIO
PATIO





SYMBOL / DESCRIPTION

SYMBOL	DESCRIPTION
	PROPERTY LINE
100	PROPOSED GRADING CONTOUR
RIDGELINE	PROPOSED GRADING RIDGELINE
	PROPOSED DIRECTION OF DRAINAGE FLOW
G 100.00	PROPOSED GRADE SPOT SHOT
TC 100.50 / BC 100.00	PROPOSED TOP OF CURB / BOTTOM OF CURB SPOT SHOT
FC 100.00	PROPOSED FLUSH CURB SPOT SHOT

GRADING NOTES

1. ALL SOIL AND MATERIAL REMOVED FROM THE SITE SHALL BE DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REQUIREMENTS. ANY GROUNDWATER DE-WATERING PRACTICES SHALL BE PERFORMED UNDER THE SUPERVISION OF A QUALIFIED PROFESSIONAL. THE CONTRACTOR IS REQUIRED TO OBTAIN ALL NECESSARY PERMITS FOR THE DISCHARGE OF DE-WATERED GROUNDWATER. ALL SOIL IMPORTED TO THE SITE SHALL BE CERTIFIED CLEAN FILL. CONTRACTOR SHALL MAINTAIN RECORDS OF ALL FILL MATERIALS BROUGHT TO THE SITE.
2. THE CONTRACTOR IS REQUIRED TO PROVIDE TEMPORARY AND/OR PERMANENT SHORING WHERE REQUIRED DURING EXCAVATION ACTIVITIES, INCLUDING BUT NOT LIMITED TO UTILITY TRENCHES, TO ENSURE THE STRUCTURAL INTEGRITY OF NEARBY STRUCTURES AND STABILITY OF THE SURROUNDING SOILS.
3. PROPOSED TOP OF CURB ELEVATIONS ARE GENERALLY 4 INCHES TO 7 INCHES ABOVE EXISTING GRADES UNLESS OTHERWISE NOTED. THE CONTRACTOR WILL SUPPLY ALL STAKEOUT CURB GRADE SHEETS TO STONEFIELD ENGINEERING & DESIGN, LLC. FOR REVIEW AND APPROVAL PRIOR TO POURING CURBS.
4. THE CONTRACTOR IS RESPONSIBLE TO SET ALL PROPOSED UTILITY COVERS AND RESET ALL EXISTING UTILITY COVERS WITHIN THE PROJECT LIMITS TO PROPOSED GRADE IN ACCORDANCE WITH ANY APPLICABLE MUNICIPAL, COUNTY, STATE AND/OR UTILITY AUTHORITY REGULATIONS.
5. MINIMUM SLOPE REQUIREMENTS TO PREVENT PONDING SHALL BE AS FOLLOWS:
   - CURB GUTTER: 0.50%
   - CONCRETE SURFACES: 1.00%
   - ASPHALT SURFACES: 1.00%
6. A MINIMUM SLOPE OF 1.00% SHALL BE PROVIDED AWAY FROM ALL BUILDINGS. THE CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE FROM THE BUILDING IS ACHIEVED AND SHALL NOTIFY STONEFIELD ENGINEERING & DESIGN, LLC. IF THIS CONDITION CANNOT BE MET.
7. FOR PROJECTS WHERE BASEMENTS ARE PROPOSED, THE DEVELOPER IS RESPONSIBLE TO DETERMINE THE DEPTH TO GROUNDWATER AT THE LOCATION OF THE PROPOSED STRUCTURE. IF GROUNDWATER IS ENCOUNTERED WITHIN THE BASEMENT AREA, SPECIAL CONSTRUCTION METHODS SHALL BE UTILIZED AND REVIEWED/APPROVED BY THE CONSTRUCTION CODE OFFICIAL. IF SUMP PUMPS ARE UTILIZED, ALL DISCHARGES SHALL BE CONNECTED DIRECTLY TO THE PUBLIC STORM SEWER SYSTEM WITH APPROVAL FROM THE GOVERNING STORM SEWER SYSTEM AUTHORITY.

ADA NOTES

1. THE CONTRACTOR SHALL MAINTAIN A MAXIMUM 2.00% SLOPE IN ANY DIRECTION WITHIN THE ADA PARKING SPACES AND ACCESS AISLES.
2. THE CONTRACTOR SHALL PROVIDE COMPLIANT SIGNAGE AT ALL ADA PARKING AREAS IN ACCORDANCE WITH STATE GUIDELINES.
3. THE CONTRACTOR SHALL MAINTAIN A MAXIMUM 5.00% RUNNING SLOPE AND A MAXIMUM OF 2.00% CROSS SLOPE ALONG WALKWAYS WITHIN THE ACCESSIBLE PATH OF TRAVEL (SEE THE SITE PLAN FOR THE LOCATION OF THE ACCESSIBLE PATH). THE CONTRACTOR IS RESPONSIBLE TO ENSURE THE ACCESSIBLE PATH OF TRAVEL IS 36 INCHES WIDE OR GREATER UNLESS INDICATED OTHERWISE WITHIN THE PLAN SET.
4. THE CONTRACTOR SHALL MAINTAIN A MAXIMUM 2.00% SLOPE IN ANY DIRECTION AT ALL LANDINGS. LANDINGS INCLUDE, BUT ARE NOT LIMITED TO, THE TOP AND BOTTOM OF AN ACCESSIBLE RAMP, AT ACCESSIBLE BUILDING ENTRANCES, AT AN AREA IN FRONT OF A WALK-UP ATM, AND AT TURNING SPACES ALONG THE ACCESSIBLE PATH OF TRAVEL. THE LANDING AREA SHALL HAVE A MINIMUM CLEAR AREA OF 60 INCHES BY 60 INCHES UNLESS INDICATED OTHERWISE WITHIN THE PLAN SET.
5. THE CONTRACTOR SHALL MAINTAIN A MAXIMUM 8.33% RUNNING SLOPE AND A MAXIMUM 2.00% CROSS SLOPE ON ANY CURB RAMPS ALONG THE ACCESSIBLE PATH OF TRAVEL. WHERE PROVIDED, CURB RAMP FLARES SHALL NOT HAVE A SLOPE GREATER THAN 10.00% IF A LANDING AREA IS PROVIDED AT THE TOP OF THE RAMP. FOR ALTERATIONS, A CURB RAMP FLARES SHALL NOT HAVE A SLOPE GREATER THAN 8.33% IF A LANDING AREA IS NOT PROVIDED AT THE TOP OF THE RAMP. CURBS RAMPS SHALL NOT RISE MORE THAN 6 INCHES IN ELEVATION WITHOUT A HANDRAIL. THE CLEAR WIDTH OF A CURB RAMP SHALL BE NO LESS THAN 36 INCHES WIDE.
6. ACCESSIBLE RAMPS WITH A RISE GREATER THAN 6 INCHES SHALL CONTAIN COMPLIANT HANDRAILS ON BOTH SIDES OF THE RAMP AND SHALL NOT RISE MORE THAN 30" IN ELEVATION WITHOUT A LANDING AREA IN BETWEEN RAMP RUNS. LANDING AREAS SHALL ALSO BE PROVIDED AT THE TOP AND BOTTOM OF THE RAMP.
7. A SLIP RESISTANT SURFACE SHALL BE CONSTRUCTED ALONG THE ACCESSIBLE PATH AND WITHIN ADA PARKING AREAS.
8. THE CONTRACTOR SHALL ENSURE A MAXIMUM OF ¼ INCHES VERTICAL CHANGE IN LEVEL ALONG THE ACCESSIBLE PATH. WHERE A CHANGE IN LEVEL BETWEEN ¼ INCHES AND ½ INCHES EXISTS, CONTRACTOR SHALL ENSURE THAT THE TOP ½ INCH CHANGE IN LEVEL IS BEVELED WITH A SLOPE NOT STEEPER THAN 1 UNIT VERTICAL AND 2 UNITS HORIZONTAL (2:1 SLOPE).
9. THE CONTRACTOR SHALL ENSURE THAT ANY OPENINGS (GAPS OR HORIZONTAL SEPARATION) ALONG THE ACCESSIBLE PATH SHALL NOT ALLOW PASSAGE OF A SPHERE GREATER THAN ½ INCH.

10' 0' 10' 20'
GRAPHIC SCALE IN FEET
1" = 10'

ISSUE	DATE	BY	DESCRIPTION
4	11/26/2025	GPG	FOR COUNTY RESUBMISSION - DOT
3	08/14/2025	GPG	FOR COUNTY SUBMISSION
3	07/10/2025	GPG	FOR 90% CLIENT REVIEW
2	06/27/2025	KGR	FOR 60% CLIENT REVIEW
1	06/13/2025	GPG	FOR CLIENT REVIEW

FOR CONSTRUCTION

STONEFIELD engineering & design
Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com
Rivergate Tower, 400 N Ashley Drive, Suite 1950, Tampa, FL 33602
Phone 813.792.2200

SITE DEVELOPMENT PLANS

CAR WASH FLORIDA

LEHIGH ACRES
PROPOSED CARWASH

PARCEL ID: 25-45-30-00063.0100 & 25-44-26-00063.0120
2701 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

JAMES S. KINOSIAN, P.E.
FLORIDA LICENSE No. 86000
LICENSED PROFESSIONAL ENGINEER
FLORIDA BUSINESS CERT. OF AUTH. No. 30078

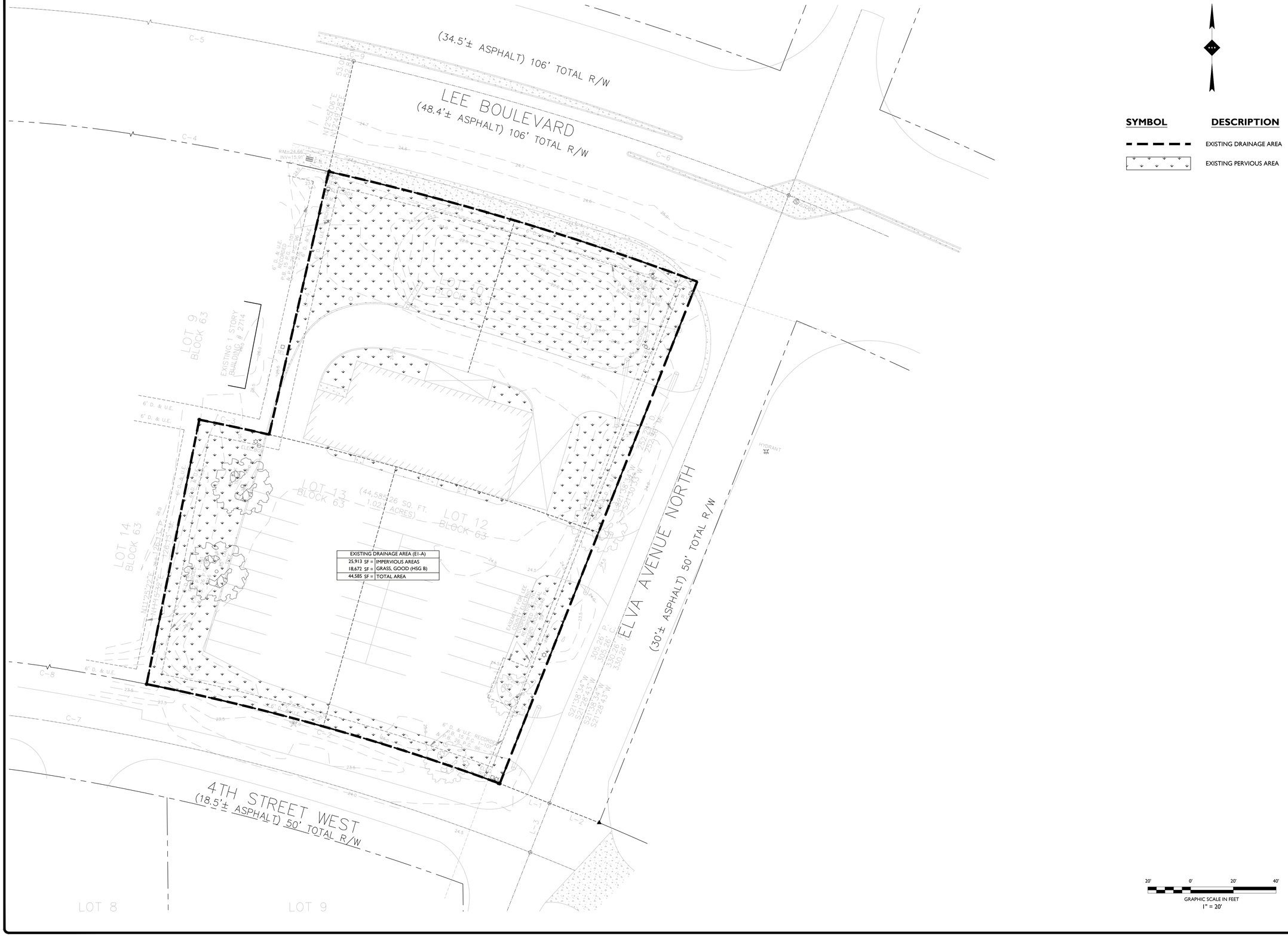
STONEFIELD engineering & design

SCALE: 1" = 10' | PROJECT ID: TAM-250036

TITLE:
RIGHT-OF-WAY IMPROVEMENTS GRADING

DRAWING:
C-29

Z:\CAD\PROJECTS\2025\250036 EL CAR WASH - 2701 LEE BOULEVARD, LEHIGH ACRES, FL\CAD\PLOTS\PLAN\GRADING.DWG



Z:\TAMPA\TAM\2025\TAM-250036 EL CAR WASH - 2781 LEE BOULEVARD, LEHIGH ACRES, FL\CAD\PLOT\PLOT-30-EXISTING.DWG

ISSUE	DATE	BY	DESCRIPTION
4	11/26/2025	GPG	FOR COUNTY RESUBMISSION - DOT
3	08/14/2025	GPG	FOR COUNTY SUBMISSION
3	07/10/2025	GPG	FOR 90% CLIENT REVIEW
2	06/27/2025	KGR	FOR 60% CLIENT REVIEW
1	06/13/2025	GPG	FOR CLIENT REVIEW

FOR CONSTRUCTION

STONEFIELD engineering & design

Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com

Rivergate Tower, 400 N Ashley Drive, Suite 1950, Tampa, FL 33602
Phone 813.792.2200

SITE DEVELOPMENT PLANS

LEHIGH ACRES
PROPOSED CARWASH

PARCEL ID: 23-45-26-00-00063.0100 & 23-44-26-05-00063.0120
2781 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

JAMES S. KINOSIAN, P.E.
FLORIDA LICENSE No. 86000
LICENSED PROFESSIONAL ENGINEER
FLORIDA BUSINESS CERT. OF AUTH. No. 30078

STONEFIELD engineering & design

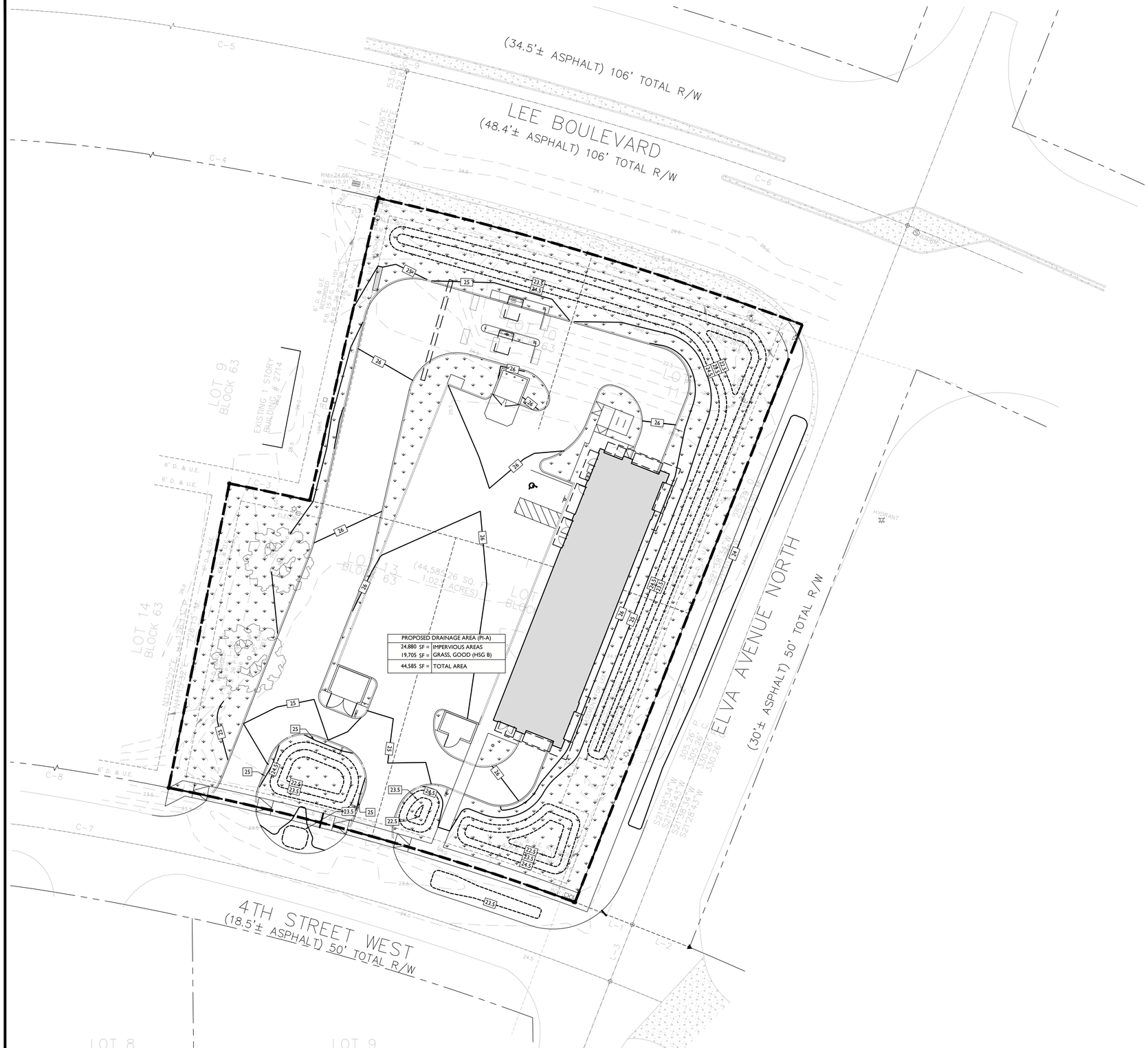
SCALE: 1" = 30' | PROJECT ID: TAM-250036

TITLE:

EXISTING DRAINAGE AREA MAP

DRAWING:

C-30



SYMBOL	DESCRIPTION
	PROPOSED DRAINAGE AREA
	PROPOSED PERVIOUS AREA

20' 0' 20' 40'

GRAPHIC SCALE IN FEET
1" = 20'

ISSUE	DATE	BY	DESCRIPTION
4	11/26/2025	GPG	FOR COUNTY RESUBMISSION - DOT
3	08/14/2025	GPG	FOR COUNTY SUBMISSION
3	07/10/2025	GPG	FOR 90% CLIENT REVIEW
2	06/27/2025	KGR	FOR 60% CLIENT REVIEW
1	06/13/2025	GPG	FOR CLIENT REVIEW

FOR CONSTRUCTION

STONEFIELD engineering & design
Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com
Rivergate Tower, 400 N Ashley Drive, Suite 1950, Tampa, FL 33602
Phone 813.792.2200

SITE DEVELOPMENT PLANS

CAR WASH FLORIDA

LEHIGH ACRES
PROPOSED CARWASH

PARCEL ID: 23426050006 3.0100 & 23442050006 3.0120
2714 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

JAMES S. KINOSIAN, P.E.
FLORIDA LICENSE No. 86000
LICENSED PROFESSIONAL ENGINEER
FLORIDA BUSINESS CERT. OF AUTH. No. 30078

STONEFIELD engineering & design

SCALE: 1" = 20' | PROJECT ID: TAM-250036

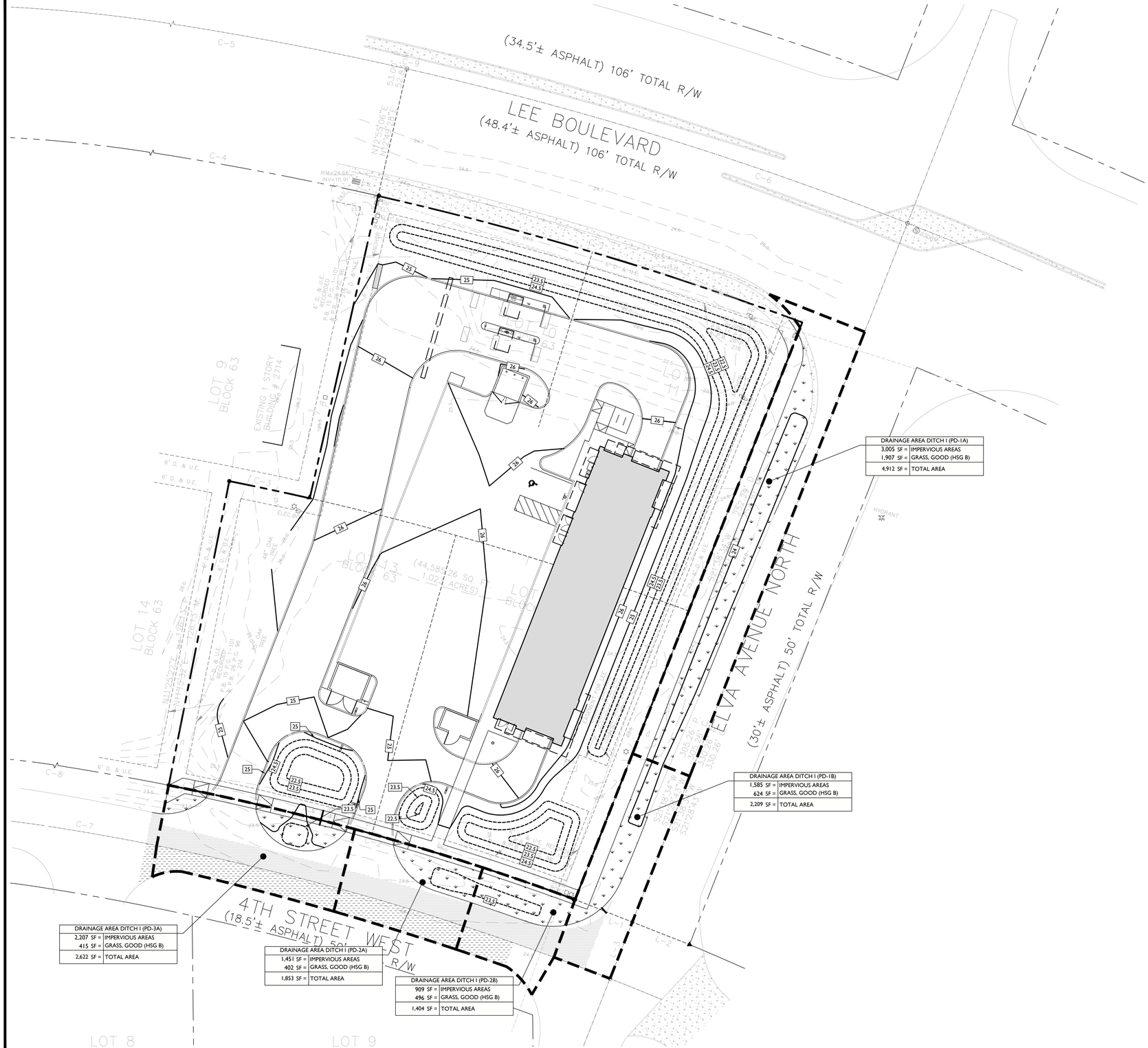
TITLE:

PROPOSED DRAINAGE AREA MAP

DRAWING:

C-31

Z:\TAMPA\TAM\2025\TAM-250036 EL CAR WASH - 3701 LEE BOULEVARD, LEHIGH ACRES, FL\CAD\PLOT\DP 30 DRAINDWG



SYMBOL | **DESCRIPTION**

- PROPOSED DITCH DRAINAGE AREA
- PROPOSED DITCH PERVIOUS AREA

20' 0' 20' 40'

GRAPHIC SCALE IN FEET
1" = 20'

ISSUE	DATE	BY	DESCRIPTION
4	11/26/2025	GPG	FOR COUNTY RESUBMISSION - DOT
3	08/14/2025	GPG	FOR COUNTY SUBMISSION
3	07/10/2025	GPG	FOR 90% CLIENT REVIEW
2	06/27/2025	KGR	FOR 60% CLIENT REVIEW
1	06/13/2025	GPG	FOR CLIENT REVIEW

FOR CONSTRUCTION

STONEFIELD engineering & design
Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com
Rivergate Tower, 400 N Ashley Drive, Suite 1950, Tampa, FL 33602
Phone 813.792.2200

SITE DEVELOPMENT PLANS

CAR WASH FLORIDA

LEHIGH ACRES
PROPOSED CARWASH

PARCEL ID: 23426050006300100 & 23442050006300120
2714 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

JAMES S. KINOSIAN, P.E.
FLORIDA LICENSE No. 86000
LICENSED PROFESSIONAL ENGINEER
FLORIDA BUSINESS CERT. OF AUTH. No. 30078

STONEFIELD engineering & design

SCALE: 1" = 20' | PROJECT ID: TAM-250036

TITLE:

DITCH DRAINAGE AREA MAP

DRAWING:

C-32

Z:\TAMPA\TAM\2025\TAM-250036 EL CAR WASH - 2701 LEE BOULEVARD, LEHIGH ACRES, FL\CAD\PLOT\DP-30 DRAINDWG

SITE DEVELOPMENT PLANS

FOR

LEHIGH ACRES
PROPOSED CARWASH

PARCEL ID: 2544260500063.0100 & 2544260500063.0120

2701 LEE BOULEVARD & 2700 4TH STREET WEST

UNINCORPORATED LEE COUNTY, LEE COUNTY, FLORIDA 33971



SOURCE: USGS TOPOGRAPHIC QUADRANGLE MAP, 7.5 MINUTE SERIES, FLORIDA, DATED 2025

LOCATION / KEY MAP

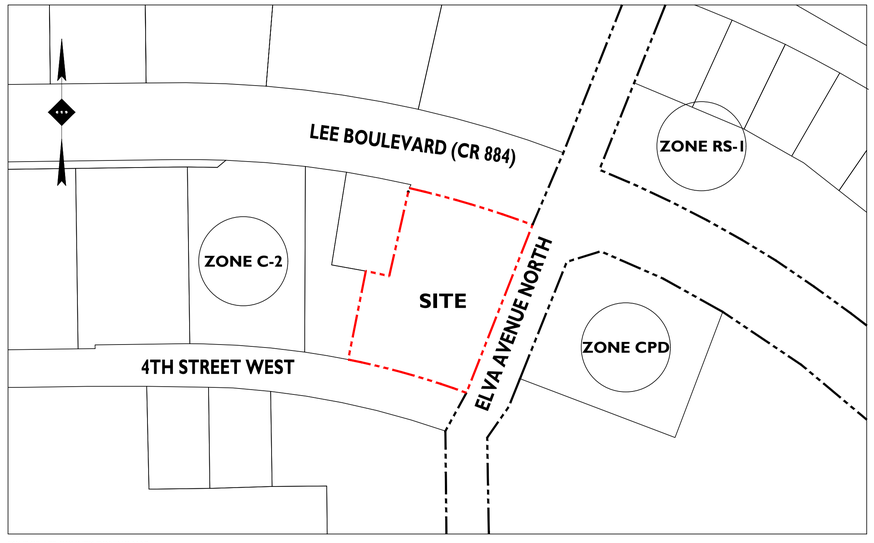
SCALE: 1" = 1,000'±



SOURCE: FDOT LABINS AERIAL

AERIAL MAP

SCALE: 1" = 200'±



SOURCE: LEE COUNTY ZONING MAP

ZONING MAP

SCALE: 1" = 100'±

OWNER

GENDRON GROUP HOLDINGS OF LEHIGH ACRES, LLC
2325 E MALL DRIVE
FORT MYERS, FL 33901

APPLICANT/CONTRACT PURCHASER

EL CAR WASH
2753 NORTHWEST 87TH AVENUE
DORAL, FLORIDA 33172
(404) 805-0797
ALEXQ@ELCARWASH.COM

ARCHITECT

OA ARCHITECTURE
1235 CORAL WAY, SUITE 101
MIAMI, FLORIDA 33145
(305) 595-3095

SURVEYOR

GALLDO GROUP INC.
5237 SUMMERLIN COMMONS BLVD, SUITE 411
FORT MYERS, FL 33907
(833) 425-5363
SURVEYING@GALLDO.COM

UTILITY COMPANIES:

COMCAST
10600 TAMIAMI TRAIL #604
NAPLES, FL 34108
(800) 266-2278

LEE COUNTY ELECTRIC COOPERATIVE IC,
4980 BAYLINE DRIVE
NORTH FORT MYERS, FL 33917
(239) 656-2296

FLORIDA GOVERNMENTAL UTILITIES AUTHORITY
280 WEKIVA SPRINGS ROAD, SUITE 2070
LONGWOOD, FL 32779
(239) 574-0854

CENTURY LINK (TELEPHONE)
PO BOX 1370
FORT MYERS, FL 33901
(239) 574-0854

TECO / PEOPLES GAS
5901 ENTERPRISE PARKWAY
FORT MYERS, FL 33905
(239) 690-5507

FIRE DISTRICT
LEHIGH ACRES

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

PLANS PREPARED BY:

STONEFIELD engineering & design

Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com

Rivergate Tower, 400 N Ashley Drive, Suite 1950, Tampa, FL 33602
Phone 813.792.2200

PLAN REFERENCE MATERIALS:

1. THIS PLAN SET REFERENCES THE FOLLOWING DOCUMENTS INCLUDING, BUT NOT LIMITED TO:
   - TOPOGRAPHIC SURVEY PREPARED BY GALLDO GROUND INC, DATED OCTOBER 30, 2025.
   - ARCHITECTURAL PLANS PREPARED BY OA ARCHITECTURE.
   - REPORT OF GEOTECHNICAL INVESTIGATION PREPARED BY ECS FLORIDA, LLC DATED APRIL 17, 2025.
   - TAX & ZONING MAP OBTAIN FROM LEE COUNTY ZONING MAP OBTAIN JULY 7, 2025.
   - AERIAL MAP OBTAIN FROM FDOT LABINS AERIAL ON JULY 3, 2025.
   - LOCATION MAP OBTAINED FROM UNITED STATE GEOLOGICAL SURVEY QUANDRANGLES, 7.5 SERIES, FLORIDA DATED 2025.
   - TRAFFIC IMPACT STATEMENT OBTAINED FROM HBC ENGINEERING COMPANY ON JULY 25, 2025.
2. ALL REFERENCE MATERIAL LISTED ABOVE SHALL BE CONSIDERED A PART OF THIS PLAN SET AND ALL INFORMATION CONTAINED WITHIN THESE MATERIALS SHALL BE UTILIZED IN CONJUNCTION WITH THIS PLAN SET. THE CONTRACTOR IS RESPONSIBLE TO OBTAIN A COPY OF EACH REFERENCE AND REVIEW IT THOROUGHLY PRIOR TO THE START OF CONSTRUCTION.

SHEET INDEX

DRAWING TITLE	SHEET #
COVER SHEET	C-1
EXISTING CONDITIONS PLAN	C-2
DEMOLITION PLAN & SOIL EROSION & SEDIMENT CONTROL PHASE I PLAN	C-3
SITE PLAN	C-4
GRADING PLAN	C-5
STORMWATER MANAGEMENT PLAN	C-6
UTILITY PLAN	C-7
LIGHTING PLAN	C-8
SOIL EROSION & SEDIMENT CONTROL PHASE II PLAN	C-9
DEMOLITION & SOIL EROSION & SEDIMENT CONTROL NOTES & DETAILS	C-10
LANDSCAPING PLAN	C-11
LANDSCAPING PLAN NOTES & DETAILS	C-12
IRRIGATION PLAN	C-13
IRRIGATION PLAN NOTES & DETAILS	C-14
CONSTRUCTION DETAILS	C-15 TO C-23
CROSS SECTIONS	C-24 TO C-30
RIGHT-OF-WAY IMPROVEMENTS GRADING	C-31
DRAINAGE AREA MAPS	C-31 TO C-33

ISSUE	DATE	BY	DESCRIPTION
8	04/22/2026	GPG	FOR CHSID RESUBMISSION
7	03/27/2026	GPG	FOR COUNTY SUBMISSION
6	02/20/2026	GPG	FOR COUNTY SUBMISSION - ADMINISTRATIVE VARIANCE
5	01/23/2026	GPG	LANDSCAPE PLAN REVIEW
4	11/26/2025	GPG	FOR COUNTY RESUBMISSION - DOT
3	08/14/2025	GPG	FOR COUNTY SUBMISSION
3	07/10/2025	GPG	FOR 90% CLIENT REVIEW
2	06/27/2025	KGR	FOR 60% CLIENT REVIEW
1	06/13/2025	GPG	FOR CLIENT REVIEW

NOT APPROVED FOR CONSTRUCTION

STONEFIELD engineering & design
Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com
One Harbour Place, Suite 250, 777 S Harbour Island Blvd.
Tampa, FL, 33602
Phone 813.793.2200

SITE DEVELOPMENT PLANS

LEHIGH ACRES
PROPOSED CARWASH
PARCEL ID: 2544260500063.0100 & 2544260500063.0120
2701 LEE BOULEVARD & 2700 4TH STREET
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

JAMES S. KINOSIAN, P.E.
FLORIDA LICENSE No. 86000
LICENSED PROFESSIONAL ENGINEER
FLORIDA BUSINESS CERT. OF AUTH. No. 30078

STONEFIELD engineering & design

SCALE: AS SHOWN | PROJECT ID: TAM-250036

TITLE: COVER SHEET

DRAWING: C-1

Z:\TAMPA\25\AR\250036\TAM-250036 EL CAR WASH - 2701 LEE BOULEVARD, LEHIGH ACRES, FL\CAD\PLOT\PDF\01-COVER.DWG



SYMBOL	DESCRIPTION
	GRATE INLET
83'	CONTOUR
+20.00	SPOT ELEVATION
	PROPERTY LINE
	ADJACENT PROPERTY LINE
	CENTER LINE
	CURB LINE
	EXISTING BUILDING
W	WATER LINE
SD	STORM SEWER
	SANITARY SEWER LINE
ELEC	UNDERGROUND ELECTRIC WIRE
	I.R
	CONCRETE MONUMENT
	NAIL
	EXISTING FIRE HYDRANT
	WATER VALVE
	CONCRETE POWER POLE
	POWER POLE
W	WELL
	CATCH BASIN
	BOLLARD
	BENCHMARK
	LAMP POST
D	DRAINAGE MANHOLE
S	SANITARY MANHOLE

SURVEY NOTES:

1. THE SURVEY LISTED WITHIN THE PLAN REFERENCES ON THE COVER SHEET SHALL BE CONSIDERED A PART OF THIS PLAN SET AND ALL INFORMATION CONTAINED WITHIN THE SURVEY AND ASSOCIATED DOCUMENTS SHALL BE UTILIZED IN CONJUNCTION WITH THIS PLAN SET. THE CONTRACTOR IS RESPONSIBLE TO OBTAIN A COPY OF THE SURVEY AND REVIEW IT THOROUGHLY PRIOR TO THE START OF CONSTRUCTION.

20' 0' 20' 40'
GRAPHIC SCALE IN FEET
1" = 20'

ISSUE	DATE	BY	DESCRIPTION
8	04/22/2026	GPG	FOR CMSID RESUBMISSION
7	03/27/2026	GPG	FOR COUNTY SUBMISSION
6	02/20/2026	GPG	FOR COUNTY SUBMISSION - ADMINISTRATIVE VARIANCE
5	01/23/2026	GPG	LANDSCAPE PLAN REVIEW
4	11/26/2025	GPG	FOR COUNTY RESUBMISSION - DOT
3	08/14/2025	GPG	FOR COUNTY SUBMISSION
3	07/10/2025	GPG	FOR 90% CLIENT REVIEW
2	06/27/2025	KGR	FOR 60% CLIENT REVIEW
1	06/13/2025	GPG	FOR CLIENT REVIEW

NOT APPROVED FOR CONSTRUCTION

STONEFIELD engineering & design
Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com
One Harbour Place, Suite 250, 777 S Harbour Island Blvd,
Tampa, FL 33602
Phone 813.793.2200

SITE DEVELOPMENT PLANS

CAR WASH FLORIDA

LEHIGH ACRES
PROPOSED CARWASH

PARCEL ID: 2544260500063.0100 & 2544260500063.0120
2701 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

JAMES S. KINOSIAN, P.E.
FLORIDA LICENSE No. 86000
LICENSED PROFESSIONAL ENGINEER
FLORIDA BUSINESS CERT. OF AUTH. No. 30078

STONEFIELD engineering & design

SCALE: 1" = 20' | PROJECT ID: TAM-250036

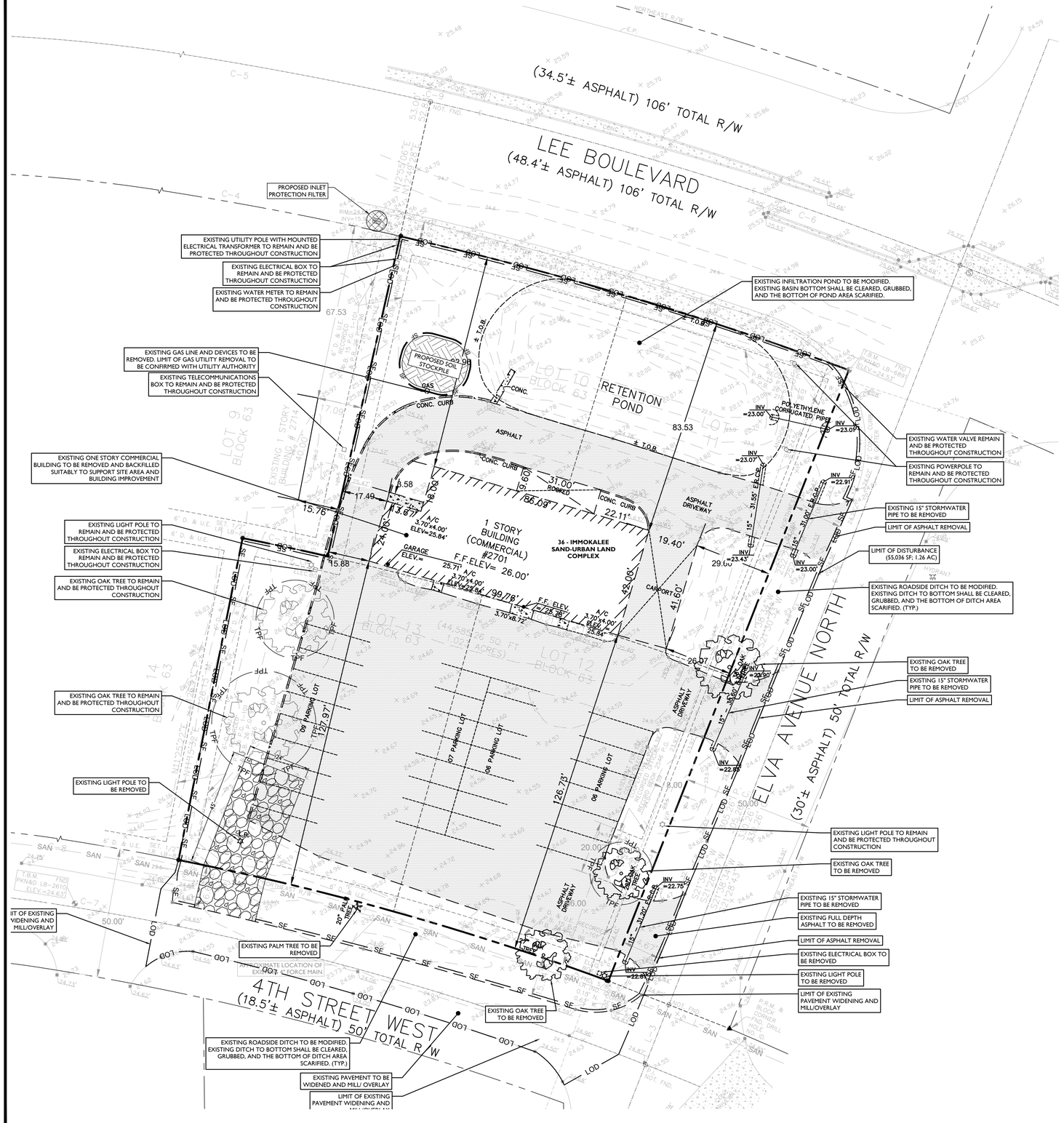
TITLE:

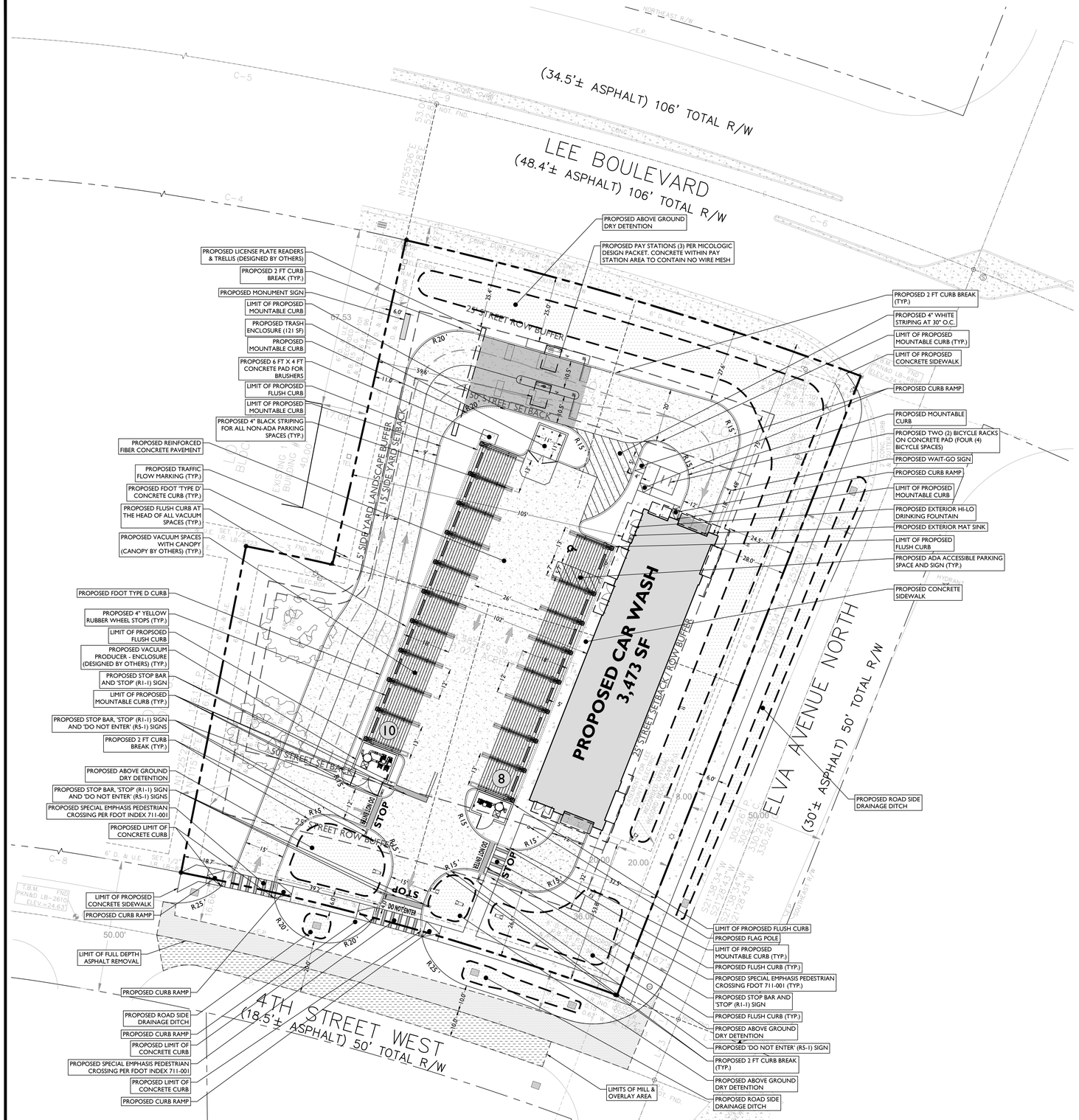
EXISTING CONDITIONS PLAN

DRAWING:

C-2

Z:\TAMPA\TAM\2025\TAM-250036 EL CAR WASH - 2701 LEE BOULEVARD, LEHIGH ACRES, FL\CADD\PLOT\SDP-02-EXST.DWG


(34.5'± ASPHALT) 106' TOTAL R/W
LEE BOULEVARD
(48.4'± ASPHALT) 106' TOTAL R/W
PROPOSED INLET PROTECTION FILTER
EXISTING UTILITY POLE WITH MOUNTED ELECTRICAL TRANSFORMER TO REMAIN AND BE PROTECTED THROUGHOUT CONSTRUCTION
EXISTING ELECTRICAL BOX TO REMAIN AND BE PROTECTED THROUGHOUT CONSTRUCTION
EXISTING WATER METER TO REMAIN AND BE PROTECTED THROUGHOUT CONSTRUCTION
EXISTING INFILTRATION POND TO BE MODIFIED. EXISTING BASIN BOTTOM SHALL BE CLEARED, GRUBBED, AND THE BOTTOM OF POND AREA SCARIFIED.
EXISTING GAS LINE AND DEVICES TO BE REMOVED. LIMIT OF GAS UTILITY REMOVAL TO BE CONFIRMED WITH UTILITY AUTHORITY
EXISTING TELECOMMUNICATIONS BOX TO REMAIN AND BE PROTECTED THROUGHOUT CONSTRUCTION
EXISTING ONE STORY COMMERCIAL BUILDING TO BE REMOVED AND BACKFILLED SUITABLY TO SUPPORT SITE AREA AND BUILDING IMPROVEMENT
EXISTING LIGHT POLE TO REMAIN AND BE PROTECTED THROUGHOUT CONSTRUCTION
EXISTING ELECTRICAL BOX TO REMAIN AND BE PROTECTED THROUGHOUT CONSTRUCTION
EXISTING OAK TREE TO REMAIN AND BE PROTECTED THROUGHOUT CONSTRUCTION
EXISTING OAK TREE TO REMAIN AND BE PROTECTED THROUGHOUT CONSTRUCTION
EXISTING LIGHT POLE TO BE REMOVED
EXISTING PALM TREE TO BE REMOVED
EXISTING ROADSIDE DITCH TO BE MODIFIED. EXISTING DITCH TO BOTTOM SHALL BE CLEARED, GRUBBED, AND THE BOTTOM OF DITCH AREA SCARIFIED. (TYP.)
EXISTING PAVEMENT TO BE WIDENED AND MILL/ OVERLAY
LIMIT OF EXISTING PAVEMENT WIDENING AND MILL/OVERLAY
EXISTING OAK TREE TO BE REMOVED
EXISTING WATER VALVE REMAIN AND BE PROTECTED THROUGHOUT CONSTRUCTION
EXISTING POWERPOLE TO REMAIN AND BE PROTECTED THROUGHOUT CONSTRUCTION
EXISTING 15" STORMWATER PIPE TO BE REMOVED
LIMIT OF ASPHALT REMOVAL
LIMIT OF DISTURBANCE (55,036 SF; 1.26 AC)
EXISTING ROADSIDE DITCH TO BE MODIFIED. EXISTING DITCH TO BOTTOM SHALL BE CLEARED, GRUBBED, AND THE BOTTOM OF DITCH AREA SCARIFIED. (TYP.)
EXISTING OAK TREE TO BE REMOVED
EXISTING 15" STORMWATER PIPE TO BE REMOVED
LIMIT OF ASPHALT REMOVAL
EXISTING LIGHT POLE TO REMAIN AND BE PROTECTED THROUGHOUT CONSTRUCTION
EXISTING OAK TREE TO BE REMOVED
EXISTING 15" STORMWATER PIPE TO BE REMOVED
EXISTING FULL DEPTH ASPHALT TO BE REMOVED
LIMIT OF ASPHALT REMOVAL
EXISTING ELECTRICAL BOX TO BE REMOVED
EXISTING LIGHT POLE TO BE REMOVED
LIMIT OF EXISTING PAVEMENT WIDENING AND MILL/OVERLAY
EXISTING OAK TREE TO BE REMOVED
RETENTION POND
1 STORY BUILDING (COMMERCIAL) #2701
F.F.ELEV= 26.00'
GARAGE ELEV.=
36 - IMMOKALEE SAND-URBAN LAND COMPLEX
PROPOSED SOIL STOCKPILE
ASPHALT
ASPHALT DRIVEWAY
CONC. CURB
CONC.
POLYETHYLENE CORRUGATED PIPE
CARPORT
LOT 10 BLOCK 63
LOT 9 BLOCK 63
LOT 11 BLOCK 63
LOT 12 BLOCK 63
EXISTING 1 STORY BUILDING # 2714
4TH STREET WEST
(18.5'± ASPHALT) 50' TOTAL R/W
ELVA AVENUE NORTH
(30'± ASPHALT) 50' TOTAL R/W
APPROXIMATE LOCATION OF EXISTING FORCE MAIN
LOD
LOD SE
SE
SF
SAN
TPF
TBM PK NAIL & LB-2610 ELEV.=24.63'
83.53
126.73'
127.97'
99.78'
67.53
26.07
29.00
41.60'
42.00'
19.40'
22.11'
31.00'
86.00
15.76'
17.49
15.88
24.08'
17.09'
9.58
13.67'
50.00'
20.00'
8.00
9.00
50.00
INV =23.00'
INV =23.07'
INV =22.91'
INV =23.43'
INV =22.80'
INV =22.75'
INV =22.85'
INV =23.00'
15" - 31.55' EX.CP
15" - 31.00' EX.CP
15" - 31.20' EX.CP
15" - 31.60' EX.CP
N/C 3.70'x4.00' ELEV=25.84'
N/C 3.70'x4.00' ELEV=25.71'
N/C 3.70'x4.00' ELEV=25.64'
N/C 3.70'x4.00' ELEV=25.54'
F.F. ELEV. 28.00'
3.70'x8.12'
20" PALM TREE
48" OAK TREE
08 PARKING LOT
07 PARKING LOT
T.O.B.
T.O.B.
T.O.B.



LAND USE AND ZONING

PARCEL ID: 10321305 & 10321306

ZONING: C-2 COMMERCIAL DISTRICT
FUTURE LAND USE: CENTRAL URBAN (FUA)
OVERLAY: LEHIGH ACRES COMMERICAL AREA

PROPOSED USE
CAR WASH — PERMITTED USE

ZONING REQUIREMENT	REQUIRED	PROPOSED
MINIMUM LOT AREA	25,000 SF (0.57 AC)	44,585 SF (1.02 AC)
MINIMUM LOT WIDTH	150 FT	171 FT
MINIMUM LOT DEPTH	150 FT	252 FT
MINIMUM STREET SETBACK (LEE BLVD)	50 FT	75.0 FT (BUILDING) 25.4 FT (PAY STATION) (AV)
MINIMUM STREET SETBACK (4TH STREET WEST)	50 FT	53.8 FT
MINIMUM STREET SETBACK (ELVA AVENUE NORTH)	25 FT	28.0 FT (BUILDING) 24.5 FT (CANOPY) (*)
MINIMUM SIDE YARD SETBACK	15 FT	59.6 FT
MAXIMUM BUILDING HEIGHT	135 FT	35 FT
MINIMUM LANDSCAPE BUFFER (LEE BOULEVARD)	25 FT	25.0 FT
MINIMUM LANDSCAPE BUFFER (4TH STREET WEST)	25 FT	26.1 FT
MINIMUM LANDSCAPE BUFFER (ELVA AVENUE NORTH)	25 FT	28.0 FT
MINIMUM SIDE YARD LANDSCAPE BUFFER	5 FT	11.0 FT
MINIMUM OPEN SPACE	10.0% (4,459 SF)	45.7% (20,385 SF)

(AV) ADMINISTRATIVE VARIANCE
(*) PER LEE COUNTY ORDINANCE SECTION 34-2191 (2) THE OVERHANG MAY EXTEND 3 FT INTO THE SETBACK

OFF-STREET PARKING REQUIREMENTS

CODE SECTION	REQUIRED	PROPOSED
§ 34.7.26.2020.b	CAR WASH = 1.5 SPACE PER SERVICE STALL 1 STALL = 2 SPACES 1 STACKING SPACE PER SERVICE STALL OR 5 CARS 1 STALL = 5 CARS	**18 SPACES** **21 CARS**
§ 34.7.26.2020	STACKING UNIT DIMENSIONS: 9 FT X 18 FT	9 FT X 18 FT
§ 34.7.26.2016.1.B.1	90° PARKING 9 FT X 18 FT WITH 24 FT AISLE	12 FT X 18 FT WITH 26 FT AISLE
§ 10-610.3.A.1	BICYCLE PARKING - NUMBER OF SPACES MINIMUM OF TWO (2) BICYCLE SPACES	4 SPACES
§ 10-610.3.B.1	BICYCLE RACK HEIGHT: MINIMUM HEIGHT OF THE BICYCLE RACK SHALL BE 36"	COMPLIES
§ 10-610.3.B.2	BICYCLE RACK BUILDING SEPARATION BICYCLE PARKING SPACES MUST BE WITHIN 100 FT FROM THE BUILDING ENTRANCE	12 FT

ADMINISTRATIVE VARIANCE REQUESTS

CODE SECTION	REQUIRED	PROPOSED
§ 34-1353.(D)(1)	50 FT STREET SETBACK	REDUCTION OF 50 FT STREET SETBACK TO 25 FT ALONG LEE BOULEVARD TO MATCH THE 25 FT STREET RIGHT-OF-WAY BUFFER
§ 10-285	INTERCONNECTION TO NEIGHBORING COMMERCIAL PROPERTY	NO INTERCONNECTION IS TO BE PROPOSED TO NEIGHBORING SITE IS UNAVOIDABLE
§ 10-285(A)	DRIVEWAY SEPARATION OF 125 FT	INSUFFICIENT FRONTAGE AND NOT DIRECT ACCESS FROM LEE BOULEVARD IS PROPOSED.
§ 10-296	DRIVEWAY 35 FT RADII	THE TYPE OF VEHICLE PROPOSED THROUGH THIS SITE WILL BE ABLE TO ACCOMMODATE THE MINIMUM RADII OF 20 FT

SYMBOL	DESCRIPTION
	PROPERTY LINE
	SETBACK LINE
	SAWCUT LINE
	PROPOSED CURB
	PROPOSED FLUSH CURB
	PROPOSED MOUNTABLE CURB
	PROPOSED SIGNS / BOLLARDS
	PROPOSED BUILDING
	PROPOSED REINFORCED FIBER MESH CONCRETE
	PROPOSED NON-REINFORCED FIBER MESH CONCRETE
	PROPOSED AREA LIGHT
	PROPOSED BUILDING DOORS

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY AND FAMILIARIZE THEMSELVES WITH THE EXISTING SITE CONDITIONS AND THE PROPOSED SCOPE OF WORK (INCLUDING DIMENSIONS, LAYOUT, ETC.) PRIOR TO INITIATING THE IMPROVEMENTS IDENTIFIED WITHIN THESE DOCUMENTS. SHOULD ANY DISCREPANCY BE FOUND BETWEEN THE EXISTING SITE CONDITIONS AND THE PROPOSED WORK THE CONTRACTOR SHALL NOTIFY STONEFIELD ENGINEERING & DESIGN, LLC. PRIOR TO THE START OF CONSTRUCTION.
2. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND ENSURE THAT ALL REQUIRED APPROVALS HAVE BEEN OBTAINED PRIOR TO THE START OF CONSTRUCTION. COPIES OF ALL REQUIRED PERMITS AND APPROVALS SHALL BE KEPT ON SITE AT ALL TIMES DURING CONSTRUCTION.
3. ALL CONTRACTORS WILL, TO THE FULLEST EXTENT PERMITTED BY LAW, INDEMNIFY AND HOLD HARMLESS STONEFIELD ENGINEERING & DESIGN, LLC. AND IT'S SUB-CONSULTANTS FROM AND AGAINST ANY DAMAGES AND LIABILITIES INCLUDING ATTORNEY'S FEES ARISING OUT OF CLAIMS BY EMPLOYEES OF THE CONTRACTOR IN ADDITION TO CLAIMS CONNECTED TO THE PROJECT AS A RESULT OF NOT CARRYING THE PROPER INSURANCE FOR WORKERS COMPENSATION, LIABILITY INSURANCE, AND LIMITS OF COMMERCIAL GENERAL LIABILITY INSURANCE.
4. THE CONTRACTOR SHALL NOT DEVIATE FROM THE PROPOSED IMPROVEMENTS IDENTIFIED WITHIN THIS PLAN SET UNLESS APPROVAL IS PROVIDED IN WRITING BY STONEFIELD ENGINEERING & DESIGN, LLC.
5. THE CONTRACTOR IS RESPONSIBLE TO DETERMINE THE MEANS AND METHODS OF CONSTRUCTION.
6. THE CONTRACTOR SHALL NOT PERFORM ANY WORK OR CAUSE DISTURBANCE ON A PRIVATE PROPERTY NOT CONTROLLED BY THE PERSON OR ENTITY WHO HAS AUTHORIZED THE WORK WITHOUT PRIOR WRITTEN CONSENT FROM THE OWNER OF THE PRIVATE PROPERTY.
7. THE CONTRACTOR IS RESPONSIBLE TO RESTORE ANY DAMAGED OR UNDERMINED STRUCTURE OR SITE FEATURE THAT IS IDENTIFIED TO REMAIN ON THE PLAN SET. ALL REPAIRS SHALL USE NEW MATERIALS TO RESTORE THE FEATURE TO ITS EXISTING CONDITION AT THE CONTRACTORS EXPENSE.
8. CONTRACTOR IS RESPONSIBLE TO PROVIDE THE APPROPRIATE SHOP DRAWINGS, PRODUCT DATA, AND OTHER REQUIRED SUBMITTALS FOR REVIEW. STONEFIELD ENGINEERING & DESIGN, LLC. WILL REVIEW THE SUBMITTALS IN ACCORDANCE WITH THE DESIGN INTENT AS REFLECTED WITHIN THE PLAN SET.
9. THE CONTRACTOR IS RESPONSIBLE FOR TRAFFIC CONTROL IN ACCORDANCE WITH MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
10. THE CONTRACTOR IS REQUIRED TO PERFORM ALL WORK IN THE PUBLIC RIGHT-OF-WAY IN ACCORDANCE WITH THE APPROPRIATE GOVERNING AUTHORITY AND SHALL BE RESPONSIBLE FOR THE PROCUREMENT OF STREET OPENING PERMITS.
11. THE CONTRACTOR IS REQUIRED TO RETAIN AN OSHA CERTIFIED SAFETY INSPECTOR TO BE PRESENT ON SITE AT ALL TIMES DURING CONSTRUCTION & DEMOLITION ACTIVITIES.
12. SHOULD AN EMPLOYEE OF STONEFIELD ENGINEERING & DESIGN, LLC. BE PRESENT ON SITE AT ANY TIME DURING CONSTRUCTION, IT DOES NOT RELIEVE THE CONTRACTOR OF ANY OF THE RESPONSIBILITIES AND REQUIREMENTS LISTED IN THE NOTES WITHIN THIS PLAN SET.

LEE COUNTY NOTES

1. AN AVERAGE DEPTH FOR CUT FOR MILLING AND RESURFACING THE COUNTY ROW IS ONE AND A HALF INCHES (1.5"). HOWEVER, DEPENDING UPON THE CONDITIONS OF THE ROADWAY, A GREATER CUT DEPTH MAY BE REQUIRED AT THE PERMITTEE'S SOLE EXPENSE. PRIOR TO MILLING, ASPHALT CORES MUST BE TAKEN AND THE MILLING DEPTH MUST BE AGREED UPON BY LCDOT.

20' 0' 20' 40'
GRAPHIC SCALE IN FEET
1" = 20'

ISSUE	DATE	BY	DESCRIPTION
8	04/22/2026	GPG	FOR CHSID RESUBMISSION
7	03/27/2026	GPG	FOR COUNTY SUBMISSION
6	02/20/2026	GPG	FOR COUNTY SUBMISSION - ADMINISTRATIVE VARIANCE
5	01/23/2026	GPG	LANDSCAPE PLAN REVIEW
4	11/26/2025	GPG	FOR COUNTY RESUBMISSION - DOT
3	08/14/2025	GPG	FOR COUNTY SUBMISSION
3	07/10/2025	GPG	FOR 90% CLIENT REVIEW
2	06/27/2025	KGR	FOR 60% CLIENT REVIEW
1	06/13/2025	GPG	FOR CLIENT REVIEW

NOT APPROVED FOR CONSTRUCTION

STONEFIELD engineering & design
Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com
One Harbour Place, Suite 250, 777 S Harbour Island Blvd.
Tampa, FL 33602
Phone 813.793.2200

SITE DEVELOPMENT PLANS

CAR WASH FLORIDA

LEHIGH ACRES
PROPOSED CARWASH

PARCEL ID: 34-45-26-00063.0100 & 23442605000630120
2700 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

JAMES S. KINOSIAN, P.E.
FLORIDA LICENSE No. 86000
LICENSED PROFESSIONAL ENGINEER
FLORIDA BUSINESS CERT. OF AUTH. No. 30078

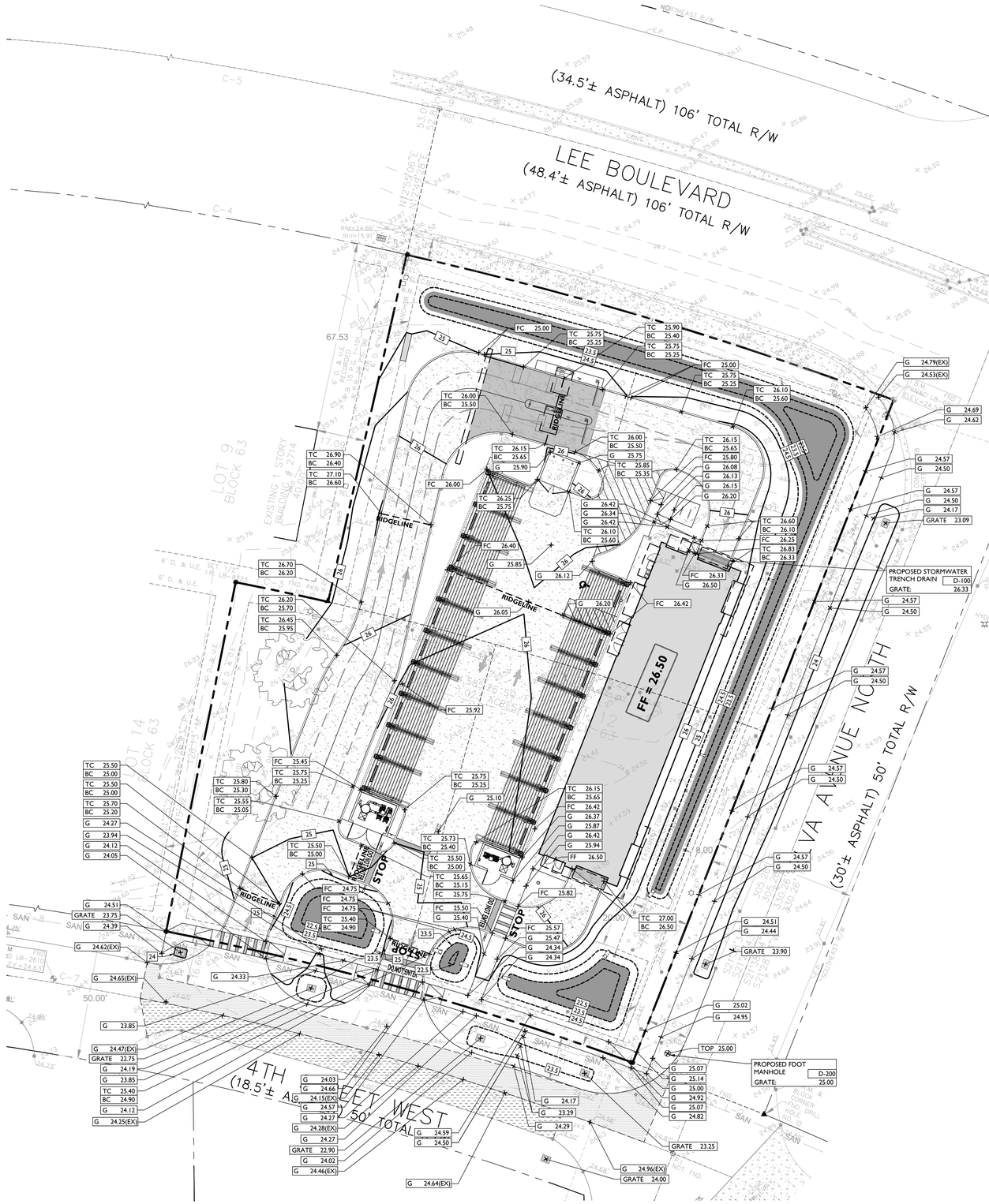
STONEFIELD engineering & design

SCALE: 1" = 20' | PROJECT ID: TAM-250036

TITLE: SITE PLAN

DRAWING: C-4

Z:\TAMPA\PROJECTS\TAM-250036 EL CAR WASH - 2700 LEE BOULEVARD, LEHIGH ACRES, EL\CAD\PLOT\TEDPLAN-SITE.DWG



MINIMUM ELEVATION COMPLIANCE

ELEVATIONS	STORM	MAXIMUM ELEVATION	MINIMUM PROPOSED ELEVATION
FINISHED FLOOR ELEVATION	100-YEAR, 3-DAY	22.96	26.50
PARKING LOT ELEVATION	10-YEAR, 1-DAY	21.83	25.00

NOTE:

REFER TO SHEET C-31 FOR DETAILED 4TH STREET WEST RIGHT-OF-WAY IMPROVEMENT GRADING PLAN

SYMBOL	DESCRIPTION
	PROPERTY LINE
100	PROPOSED GRADING CONTOUR
RIDGELINE	PROPOSED GRADING RIDGELINE
	PROPOSED DIRECTION OF DRAINAGE FLOW
G 100.00	PROPOSED GRADE SPOT SHOT
TC 100.50 BC 100.00	PROPOSED TOP OF CURB / BOTTOM OF CURB SPOT SHOT
FC 100.00	PROPOSED FLUSH CURB SPOT SHOT

GRADING NOTES

1. ALL SOIL AND MATERIAL REMOVED FROM THE SITE SHALL BE DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REQUIREMENTS. ANY GROUNDWATER DE-WATERING PRACTICES SHALL BE PERFORMED UNDER THE SUPERVISION OF A QUALIFIED PROFESSIONAL. THE CONTRACTOR IS REQUIRED TO OBTAIN ALL NECESSARY PERMITS FOR THE DISCHARGE OF DE-WATERED GROUNDWATER. ALL SOIL IMPORTED TO THE SITE SHALL BE CERTIFIED CLEAN FILL. CONTRACTOR SHALL MAINTAIN RECORDS OF ALL FILL MATERIALS BROUGHT TO THE SITE.
2. THE CONTRACTOR IS REQUIRED TO PROVIDE TEMPORARY AND/OR PERMANENT SHORING WHERE REQUIRED DURING EXCAVATION ACTIVITIES, INCLUDING BUT NOT LIMITED TO UTILITY TRENCHES, TO ENSURE THE STRUCTURAL INTEGRITY OF NEARBY STRUCTURES AND STABILITY OF THE SURROUNDING SOILS.
3. PROPOSED TOP OF CURB ELEVATIONS ARE GENERALLY 4 INCHES TO 7 INCHES ABOVE EXISTING GRADES UNLESS OTHERWISE NOTED. THE CONTRACTOR WILL SUPPLY ALL STAKEOUT CURB GRADE SHEETS TO STONEFIELD ENGINEERING & DESIGN, LLC FOR REVIEW AND APPROVAL PRIOR TO POURING CURBS.
4. THE CONTRACTOR IS RESPONSIBLE TO SET ALL PROPOSED UTILITY COVERS AND RESET ALL EXISTING UTILITY COVERS WITHIN THE PROJECT LIMITS TO PROPOSED GRADE IN ACCORDANCE WITH ANY APPLICABLE MUNICIPAL, COUNTY, STATE AND/OR UTILITY AUTHORITY REGULATIONS.
5. MINIMUM SLOPE REQUIREMENTS TO PREVENT PONDING SHALL BE AS FOLLOWS:
   - CURB GUTTER: 0.50%
   - CONCRETE SURFACES: 1.00%
   - ASPHALT SURFACES: 1.00%
6. A MINIMUM SLOPE OF 1.00% SHALL BE PROVIDED AWAY FROM ALL BUILDINGS. THE CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE FROM THE BUILDING IS ACHIEVED AND SHALL NOTIFY STONEFIELD ENGINEERING & DESIGN, LLC. IF THIS CONDITION CANNOT BE MET.
7. FOR PROJECTS WHERE BASEMENTS ARE PROPOSED, THE DEVELOPER IS RESPONSIBLE TO DETERMINE THE DEPTH TO GROUNDWATER AT THE LOCATION OF THE PROPOSED STRUCTURE. IF GROUNDWATER IS ENCOUNTERED WITHIN THE BASEMENT AREA, SPECIAL CONSTRUCTION METHODS SHALL BE UTILIZED AND REVIEWED/APPROVED BY THE CONSTRUCTION CODE OFFICIAL. IF SUMP PUMPS ARE UTILIZED, ALL DISCHARGES SHALL BE CONNECTED DIRECTLY TO THE PUBLIC STORM SEWER SYSTEM WITH APPROVAL FROM THE GOVERNING STORM SEWER SYSTEM AUTHORITY.

ADA NOTES

1. THE CONTRACTOR SHALL MAINTAIN A MAXIMUM 2.00% SLOPE IN ANY DIRECTION WITHIN THE ADA PARKING SPACES AND ACCESS AISLES.
2. THE CONTRACTOR SHALL PROVIDE COMPLIANT SIGNAGE AT ALL ADA PARKING AREAS IN ACCORDANCE WITH STATE GUIDELINES.
3. THE CONTRACTOR SHALL MAINTAIN A MAXIMUM 5.00% RUNNING SLOPE AND A MAXIMUM OF 2.00% CROSS SLOPE ALONG WALKWAYS WITHIN THE ACCESSIBLE PATH OF TRAVEL (SEE THE SITE PLAN FOR THE LOCATION OF THE ACCESSIBLE PATH). THE CONTRACTOR IS RESPONSIBLE TO ENSURE THE ACCESSIBLE PATH OF TRAVEL IS 36 INCHES WIDE OR GREATER UNLESS INDICATED OTHERWISE WITHIN THE PLAN SET.
4. THE CONTRACTOR SHALL MAINTAIN A MAXIMUM 2.00% SLOPE IN ANY DIRECTION AT ALL LANDINGS. LANDINGS INCLUDE, BUT ARE NOT LIMITED TO, THE TOP AND BOTTOM OF AN ACCESSIBLE RAMP, AT ACCESSIBLE BUILDING ENTRANCES, AT AN AREA IN FRONT OF A WALK-UP ATM, AND AT TURNING SPACES ALONG THE ACCESSIBLE PATH OF TRAVEL. THE LANDING AREA SHALL HAVE A MINIMUM CLEAR AREA OF 60 INCHES BY 60 INCHES UNLESS INDICATED OTHERWISE WITHIN THE PLAN SET.
5. THE CONTRACTOR SHALL MAINTAIN A MAXIMUM 8.33% RUNNING SLOPE AND A MAXIMUM 2.00% CROSS SLOPE ON ANY CURB RAMPS ALONG THE ACCESSIBLE PATH OF TRAVEL. WHERE PROVIDED, CURB RAMP FLARES SHALL NOT HAVE A SLOPE GREATER THAN 10.00% IF A LANDING AREA IS PROVIDED AT THE TOP OF THE RAMP. FOR ALTERATIONS, A CURB RAMP FLARES SHALL NOT HAVE A SLOPE GREATER THAN 8.33% IF A LANDING AREA IS NOT PROVIDED AT THE TOP OF THE RAMP. CURBS RAMPS SHALL NOT RISE MORE THAN 6 INCHES IN ELEVATION WITHOUT A HANDRAIL. THE CLEAR WIDTH OF A CURB RAMP SHALL BE NO LESS THAN 36 INCHES WIDE.
6. ACCESSIBLE RAMPS WITH A RISE GREATER THAN 6 INCHES SHALL CONTAIN COMPLIANT HANDRAILS ON BOTH SIDES OF THE RAMP AND SHALL NOT RISE MORE THAN 30" IN ELEVATION WITHOUT A LANDING AREA IN BETWEEN RAMP RUNS. LANDING AREAS SHALL ALSO BE PROVIDED AT THE TOP AND BOTTOM OF THE RAMP.
7. A SLIP RESISTANT SURFACE SHALL BE CONSTRUCTED ALONG THE ACCESSIBLE PATH AND WITHIN ADA PARKING AREAS.
8. THE CONTRACTOR SHALL ENSURE A MAXIMUM OF ¼ INCHES VERTICAL CHANGE IN LEVEL ALONG THE ACCESSIBLE PATH. WHERE A CHANGE IN LEVEL BETWEEN ¼ INCHES AND ½ INCHES EXISTS, CONTRACTOR SHALL ENSURE THAT THE TOP ½ INCH CHANGE IN LEVEL IS BEVELED WITH A SLOPE NOT STEEPER THAN 1 UNIT VERTICAL AND 2 UNITS HORIZONTAL (2:1 SLOPE).
9. THE CONTRACTOR SHALL ENSURE THAT ANY OPENINGS (GAPS OR HORIZONTAL SEPARATION) ALONG THE ACCESSIBLE PATH SHALL NOT ALLOW PASSAGE OF A SPHERE GREATER THAN ½ INCH.

20' 0' 20' 40'

GRAPHIC SCALE IN FEET

1" = 20'

ISSUE	DATE	BY	DESCRIPTION
8	04/22/2026	GPG	FOR CHSID RESUBMISSION
7	03/27/2026	GPG	FOR COUNTY SUBMISSION
6	02/20/2026	GPG	FOR COUNTY SUBMISSION - ADMINISTRATIVE VARIANCE
5	01/23/2026	GPG	LANDSCAPE PLAN REVIEW
4	11/26/2025	GPG	FOR COUNTY RESUBMISSION - DOT
3	08/14/2025	GPG	FOR COUNTY SUBMISSION
3	07/10/2025	GPG	FOR 90% CLIENT REVIEW
2	06/27/2025	KGR	FOR 60% CLIENT REVIEW
1	06/13/2025	GPG	FOR CLIENT REVIEW

NOT APPROVED FOR CONSTRUCTION

STONEFIELD engineering & design

Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com

One Harbour Place, Suite 250, 777 S Harbour Island Blvd.
Tampa, FL 33602
Phone 813.793.2200

SITE DEVELOPMENT PLANS

CAR WASH FLORIDA

LEHIGH ACRES
PROPOSED CARWASH

PARCEL ID: 25-45-26-A5-00063.0100 & 25-44-26-05-00063.0120
2714 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

JAMES S. KINOSIAN, P.E.
FLORIDA LICENSE No. 86000
LICENSED PROFESSIONAL ENGINEER
FLORIDA BUSINESS CERT. OF AUTH. No. 30078

STONEFIELD engineering & design

SCALE: 1" = 20' | PROJECT ID: TAM-250036

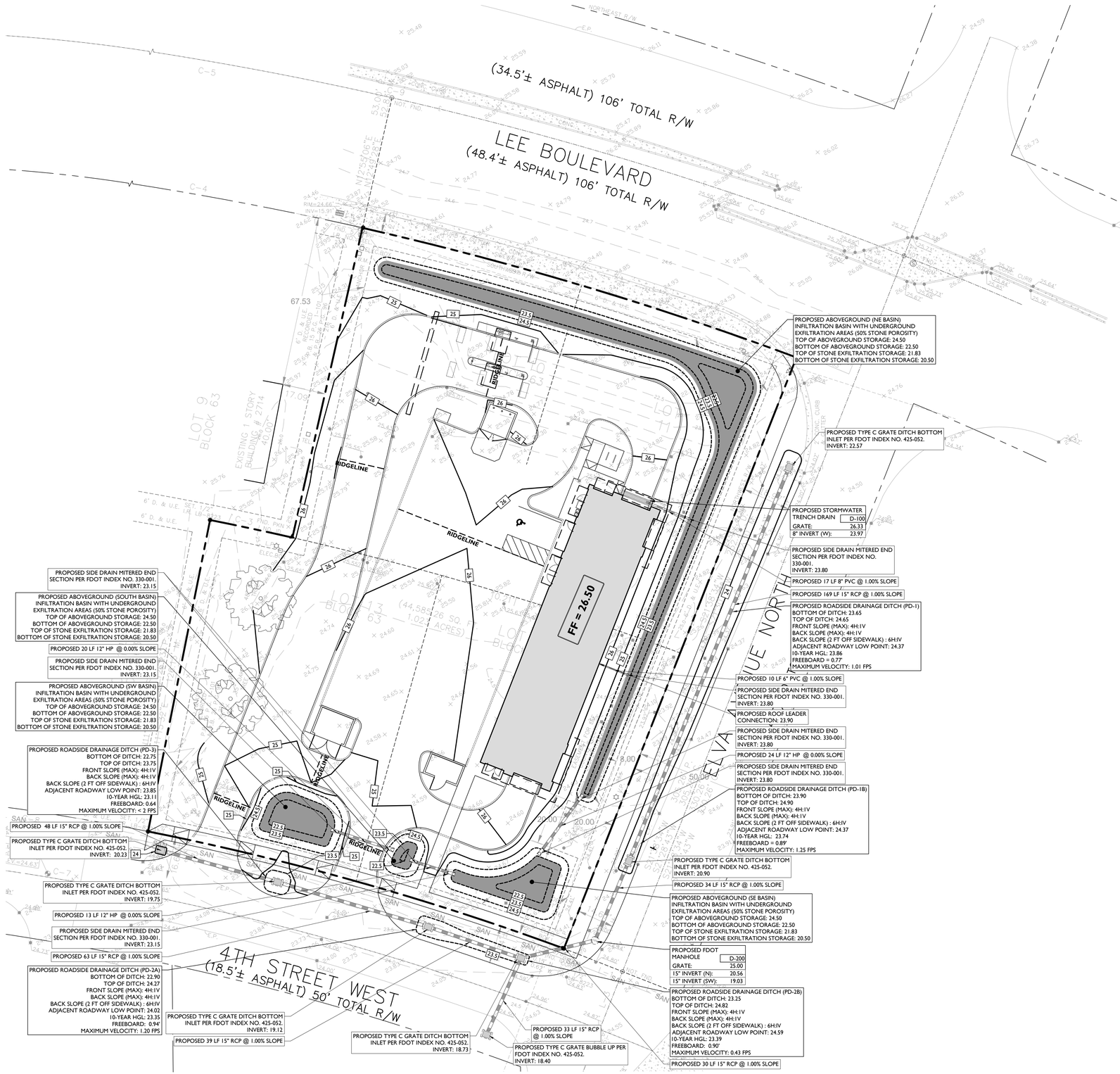
TITLE:

GRADING PLAN

DRAWING:

C-5

Z:\PAYNT\PROJECTS\TAM-250036 EL CAR WASH - 2701 LEE BOULEVARD, LEHIGH ACRES, FL\CAD\PLOT\TEMPLATE\GRADING



FLOOD ZONE INFORMATION	
FLOOD ZONE	X

SEASONAL WATER TABLE	
ELEVATION	19.5 FT

NOTE

THE PROPOSED STORMWATER MANAGEMENT SYSTEM WILL HAVE NO ADVERSE IMPACT ON GROUND WATER / SURFACE WATER

SYMBOL	DESCRIPTION
	PROPERTY LINE
100	PROPOSED GRADING CONTOUR
RIDGELINE	PROPOSED GRADING RIDGELINE
	PROPOSED STORMWATER STRUCTURES
	PROPOSED STORMWATER PIPING
	PROPOSED ABOVEGROUND OUTLET STRUCTURE
	PROPOSED UNDERGROUND EXFILTRATION AREA

DRAINAGE AND UTILITY NOTES

1. THE CONTRACTOR TO PERFORM A TEST PIT PRIOR TO CONSTRUCTION (RECOMMEND 30 DAYS PRIOR) AT LOCATIONS OF EXISTING UTILITY CROSSINGS FOR STORMWATER IMPROVEMENTS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY STONEFIELD ENGINEERING & DESIGN, LLC. IN WRITING.
2. CONTRACTOR SHALL START CONSTRUCTION OF STORM LINES AT THE LOWEST INVERT AND WORK UP-GRADIENT.
3. THE CONTRACTOR IS REQUIRED TO CALL THE APPROPRIATE AUTHORITY FOR NOTICE OF CONSTRUCTION/EXCAVATION AND UTILITY MARK OUT PRIOR TO THE START OF CONSTRUCTION IN ACCORDANCE WITH STATE LAW. CONTRACTOR IS REQUIRED TO CONFIRM THE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES IN THE FIELD. SHOULD A DISCREPANCY EXIST BETWEEN THE FIELD LOCATION OF A UTILITY AND THE LOCATION SHOWN ON THE PLAN SET OR SURVEY, THE CONTRACTOR SHALL NOTIFY STONEFIELD ENGINEERING & DESIGN, LLC. IMMEDIATELY IN WRITING.
4. THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN A RECORD OF THE AS-BUILT LOCATIONS OF ALL PROPOSED UNDERGROUND INFRASTRUCTURE. THE CONTRACTOR SHALL NOTE ANY DISCREPANCIES BETWEEN THE AS-BUILT LOCATIONS AND THE LOCATIONS DEPICTED WITHIN THE PLAN SET. THIS RECORD SHALL BE PROVIDED TO THE OWNER FOLLOWING COMPLETION OF WORK.

EXCAVATION, SOIL PREPARATION, AND DEWATERING NOTES

1. THE CONTRACTOR IS REQUIRED TO REVIEW THE REFERENCED GEOTECHNICAL DOCUMENTS PRIOR TO CONSTRUCTION. THESE DOCUMENTS SHALL BE CONSIDERED A PART OF THE PLAN SET.
2. THE CONTRACTOR IS REQUIRED TO PREPARE SUBGRADE SOILS BENEATH ALL PROPOSED IMPROVEMENTS AND BACKFILL ALL EXCAVATIONS IN ACCORDANCE WITH RECOMMENDATIONS BY THE GEOTECHNICAL ENGINEER OF RECORD.
3. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING SHORING FOR ALL EXCAVATIONS AS REQUIRED. CONTRACTOR SHALL HAVE THE SHORING DESIGN PREPARED BY A QUALIFIED PROFESSIONAL. SHORING DESIGNS SHALL BE SUBMITTED TO STONEFIELD ENGINEERING & DESIGN, LLC. AND THE OWNER PRIOR TO THE START OF CONSTRUCTION.
4. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL OPEN EXCAVATIONS ARE PERFORMED AND PROTECTED IN ACCORDANCE WITH THE LATEST OSHA REGULATIONS.
5. THE CONTRACTOR IS RESPONSIBLE FOR ANY DEWATERING DESIGN AND OPERATIONS, AS REQUIRED, TO CONSTRUCT THE PROPOSED IMPROVEMENTS. THE CONTRACTOR SHALL OBTAIN ANY REQUIRED PERMITS FOR DEWATERING OPERATIONS AND GROUNDWATER DISPOSAL.

STORMWATER INFILTRATION BMP CONSTRUCTION NOTES

1. PRIOR TO THE START OF CONSTRUCTION, ANY AREA DESIGNATED TO BE USED FOR AN INFILTRATION BMP (E.G. BASIN, BIORETENTION AREA, ETC.) SHALL BE FENCED OFF AND SHALL NOT BE UTILIZED AS STORAGE FOR CONSTRUCTION EQUIPMENT OR AS A STOCKPILE AREA FOR CONSTRUCTION MATERIALS. NO ACTIVITY SHALL BE PERMITTED WITHIN THE INFILTRATION BASIN AREA UNLESS RELATED TO THE CONSTRUCTION OF THE INFILTRATION BASIN. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY ALL SUBCONTRACTORS OF BASIN AREA RESTRICTIONS.
2. THE CONTRACTOR SHALL MAKE EVERY EFFORT, WHERE PRACTICAL, TO AVOID SUBGRADE SOIL COMPACTION IN THE AREAS DESIGNATED TO BE USED FOR AN INFILTRATION BMP.
3. ALL EXCAVATION WITHIN THE LIMITS OF ANY INFILTRATION BMP SHALL BE PERFORMED WITH THE LIGHTEST PRACTICAL EXCAVATION EQUIPMENT. ALL EXCAVATION EQUIPMENT SHALL BE PLACED OUTSIDE THE LIMITS OF THE BASIN WHERE FEASIBLE. THE USE OF LIGHT-WEIGHT, RUBBER-TIRED EQUIPMENT (LESS THAN 8 PSI APPLIED TO THE GROUND SURFACE) IS RECOMMENDED WITHIN THE BASIN LIMITS.
4. THE SEQUENCE OF SITE CONSTRUCTION SHALL BE COORDINATED WITH BASIN CONSTRUCTION TO ADHERE TO SEQUENCING LIMITATIONS.
5. DURING THE FINAL GRADING OF AN INFILTRATION BASIN, THE BOTTOM OF THE BASIN SHALL BE DEEPLY TILLED WITH A ROTARY TILLER OR DISC HARROW AND THEN SMOOTHED OUT WITH A LEVELING DRAW OR EQUIVALENT GRADING EQUIPMENT. ALL GRADING EQUIPMENT SHALL BE LOCATED OUTSIDE OF THE BASIN BOTTOM WHERE FEASIBLE.
6. FOLLOWING CONSTRUCTION OF AN INFILTRATION BASIN, SOIL INFILTRATION TESTING BY A LICENSED GEOTECHNICAL ENGINEER IS REQUIRED TO CERTIFY COMPLIANCE WITH THE DESIGN INFILTRATION RATES IN ACCORDANCE WITH APPENDIX E OF THE NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION'S BEST MANAGEMENT PRACTICES MANUAL, LATEST EDITION. IF THE FIELD INFILTRATION RATES ARE LOWER THAN THE RATE USED DURING DESIGN, THE CONTRACTOR SHALL NOTIFY STONEFIELD ENGINEERING & DESIGN, LLC. IN WRITING IMMEDIATELY TO DETERMINE THE APPROPRIATE COURSE OF ACTION.
7. THE CONTRACTOR SHALL NOTIFY THE MUNICIPALITY TO DETERMINE IF WITNESS TESTING IS REQUIRED DURING INFILTRATION BASIN EXCAVATION AND/OR SOIL INFILTRATION TESTING.

20' 0' 20' 40'

GRAPHIC SCALE IN FEET

1" = 20'

ISSUE	DATE	BY	DESCRIPTION
8	04/22/2026	GPG	FOR CHSID RESUBMISSION
7	03/27/2026	GPG	FOR COUNTY SUBMISSION
6	02/20/2026	GPG	FOR COUNTY SUBMISSION - ADMINISTRATIVE VARIANCE
5	01/23/2026	GPG	LANDSCAPE PLAN REVIEW
4	11/26/2025	GPG	FOR COUNTY RESUBMISSION - DOT
3	08/14/2025	GPG	FOR COUNTY SUBMISSION
3	07/10/2025	GPG	FOR 90% CLIENT REVIEW
2	06/27/2025	KGR	FOR 60% CLIENT REVIEW
1	06/13/2025	GPG	FOR CLIENT REVIEW

NOT APPROVED FOR CONSTRUCTION

STONEFIELD engineering & design

Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com

One Harbour Place, Suite 250, 777 S Harbour Island Blvd.
Tampa, FL 33602
Phone 813.793.2200

SITE DEVELOPMENT PLANS

CAR WASH FLORIDA

LEHIGH ACRES
PROPOSED CARWASH

PARCEL ID: 25-45-26-A0600.0.3100 & 25-45-26-05000.0.0120
2714 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

JAMES S. KINOSIAN, P.E.
FLORIDA LICENSE No. 86000
LICENSED PROFESSIONAL ENGINEER
FLORIDA BUSINESS CERT. OF AUTH No. 30078

STONEFIELD engineering & design

SCALE: 1" = 20' | PROJECT ID: TAM-250036

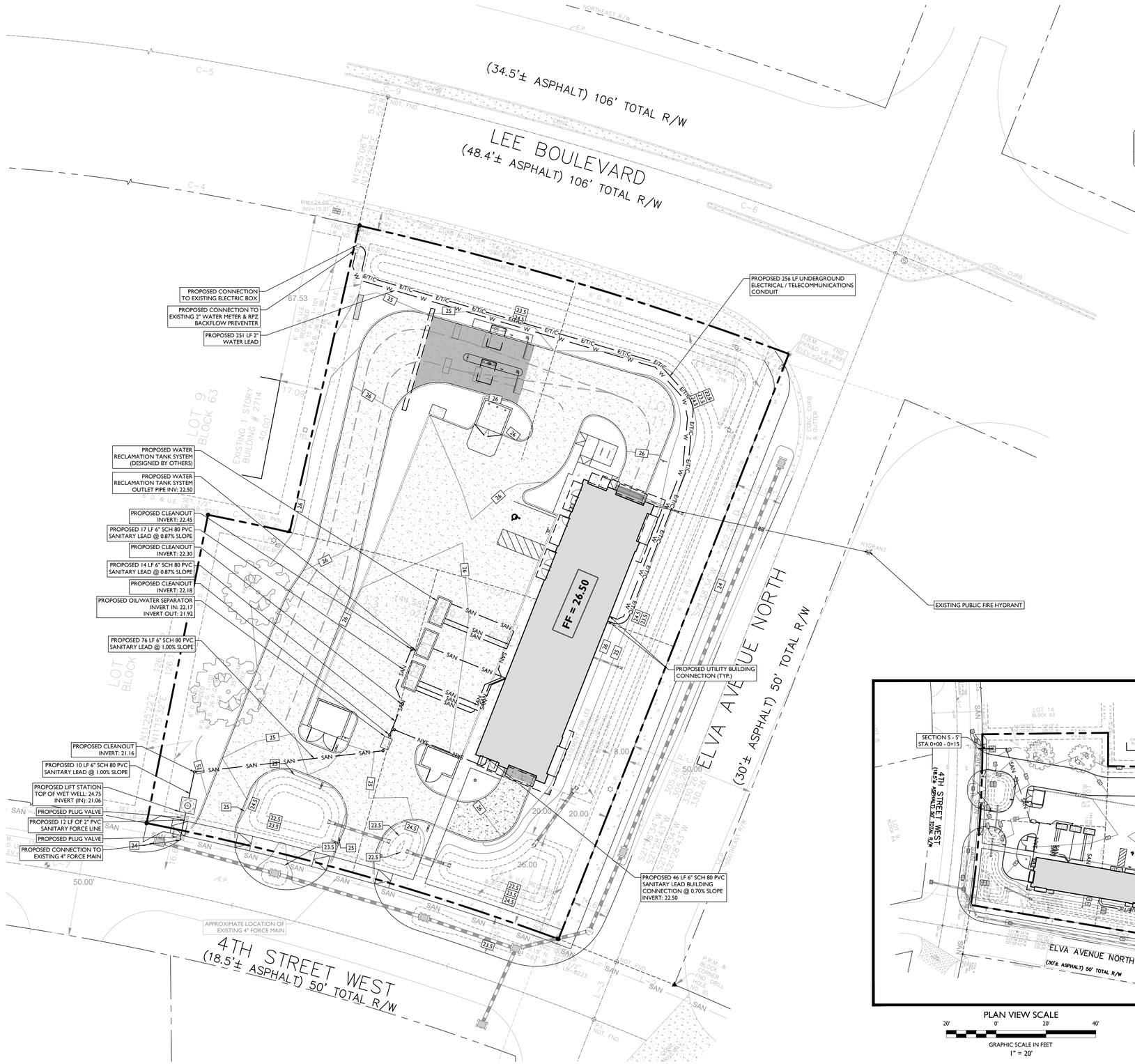
TITLE:

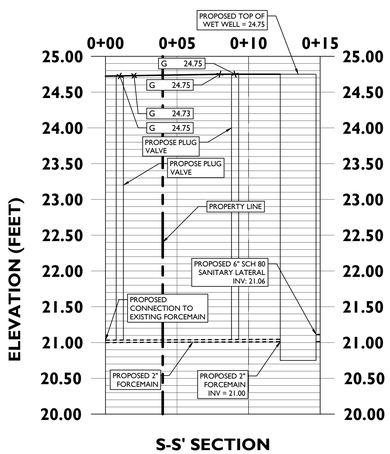
STORMWATER MANAGEMENT PLAN

DRAWING:

C-6

Z:\TAMPA\TAM2025\TAM-250036 (L CAR WASH - 2701 LEE BOULEVARD, LEHIGH ACRES, FL)\CAD\PLOT\TOP-ALTTAM.DWG





FIRE DISTRICT INFORMATION

LEHIGH ACRES FIRE DISTRICT

20' 0' 20' 40'
GRAPHIC SCALE IN FEET
1" = 20'

SYMBOL	DESCRIPTION
	PROPERTY LINE
SAN	PROPOSED SANITARY LATERAL
W	PROPOSED DOMESTIC WATER SERVICE
E/T/C	PROPOSED ELECTRICAL/DATA CONDUITS
S	PROPOSED SANITARY MANHOLE / CLEANOUT
	PROPOSED LIFT STATION

DRAINAGE AND UTILITY NOTES

1. THE CONTRACTOR IS REQUIRED TO CALL THE APPROPRIATE AUTHORITY FOR NOTICE OF CONSTRUCTION/EXCAVATION AND UTILITY MARK OUT PRIOR TO THE START OF CONSTRUCTION IN ACCORDANCE WITH STATE LAW. CONTRACTOR IS REQUIRED TO CONFIRM THE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES IN THE FIELD. SHOULD A DISCREPANCY EXIST BETWEEN THE FIELD LOCATION OF A UTILITY AND THE LOCATION SHOWN ON THE PLAN SET OR SURVEY, THE CONTRACTOR SHALL NOTIFY STONEFIELD ENGINEERING & DESIGN, LLC IMMEDIATELY IN WRITING.
2. THE CONTRACTOR IS RESPONSIBLE TO PROTECT AND MAINTAIN IN OPERATION ALL UTILITIES NOT DESIGNATED TO BE REMOVED.
3. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE TO ANY EXISTING UTILITY IDENTIFIED TO REMAIN WITHIN THE LIMITS OF THE PROPOSED WORK DURING CONSTRUCTION.
4. A MINIMUM HORIZONTAL SEPARATION OF 10 FEET IS REQUIRED BETWEEN ANY SANITARY SEWER SERVICE AND ANY WATER LINES. IF THIS SEPARATION CANNOT BE PROVIDED, A CONCRETE ENCASEMENT SHALL BE UTILIZED FOR THE SANITARY SEWER SERVICE AS APPROVED BY STONEFIELD ENGINEERING & DESIGN, LLC.
5. ALL WATER LINES SHALL BE VERTICALLY SEPARATED ABOVE SANITARY SEWER LINES BY A MINIMUM DISTANCE OF 18 INCHES. IF THIS SEPARATION CANNOT BE PROVIDED, A CONCRETE ENCASEMENT SHALL BE UTILIZED FOR THE SANITARY SEWER SERVICE AS APPROVED BY STONEFIELD ENGINEERING & DESIGN, LLC.
6. THE CONTRACTOR TO PERFORM A TEST PIT PRIOR TO CONSTRUCTION (RECOMMEND 30 DAYS PRIOR) AT LOCATIONS OF EXISTING UTILITY CROSSINGS FOR WATER AND SANITARY SEWER CONNECTION IMPROVEMENTS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY STONEFIELD ENGINEERING & DESIGN, LLC. IN WRITING.
7. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING GAS, ELECTRIC AND TELECOMMUNICATION CONNECTIONS WITH THE APPROPRIATE GOVERNING AUTHORITY.
8. CONTRACTOR SHALL START CONSTRUCTION OF ANY GRAVITY SEWER AT THE LOWEST INVERT AND WORK UP-GRADIENT.
9. THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN A RECORD SET OF PLANS REFLECTING THE LOCATION OF EXISTING UTILITIES THAT HAVE BEEN CAPPED, ABANDONED, OR RELOCATED BASED ON THE DEMOLITION/REMOVAL ACTIVITIES REQUIRED IN THIS PLAN SET. THIS DOCUMENT SHALL BE PROVIDED TO THE OWNER FOLLOWING COMPLETION OF WORK.
10. THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN A RECORD OF THE AS-BUILT LOCATIONS OF ALL PROPOSED UNDERGROUND INFRASTRUCTURE. THE CONTRACTOR SHALL NOTE ANY DISCREPANCIES BETWEEN THE AS-BUILT LOCATIONS AND THE LOCATIONS DEPICTED WITHIN THE PLAN SET. THIS RECORD SHALL BE PROVIDED TO THE OWNER FOLLOWING COMPLETION OF WORK.

ISSUE	DATE	BY	DESCRIPTION
8	04/22/2026	GPG	FOR CHSID RESUBMISSION
7	03/27/2026	GPG	FOR COUNTY SUBMISSION
6	02/20/2026	GPG	FOR COUNTY SUBMISSION - ADMINISTRATIVE VARIANCE
5	01/23/2026	GPG	LANDSCAPE PLAN REVIEW
4	11/26/2025	GPG	FOR COUNTY RESUBMISSION - DOT
3	08/14/2025	GPG	FOR COUNTY SUBMISSION
3	07/10/2025	GPG	FOR 90% CLIENT REVIEW
2	06/27/2025	KGR	FOR 60% CLIENT REVIEW
1	06/13/2025	GPG	FOR CLIENT REVIEW

NOT APPROVED FOR CONSTRUCTION

STONEFIELD engineering & design
Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com
One Harbour Place, Suite 250, 777 S Harbour Island Blvd.
Tampa, FL 33602
Phone 813.793.2200

SITE DEVELOPMENT PLANS

CAR WASH FLORIDA

LEHIGH ACRES
PROPOSED CARWASH

PARCEL ID: 34-45-26-00063.0100 & 25-44-26-00063.0120
2714 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

JAMES S. KINOSIAN, P.E.
FLORIDA LICENSE No. 86000
LICENSED PROFESSIONAL ENGINEER
FLORIDA BUSINESS CERT. OF AUTH. No. 30078

STONEFIELD engineering & design

SCALE: 1" = 20' | PROJECT ID: TAM-250036

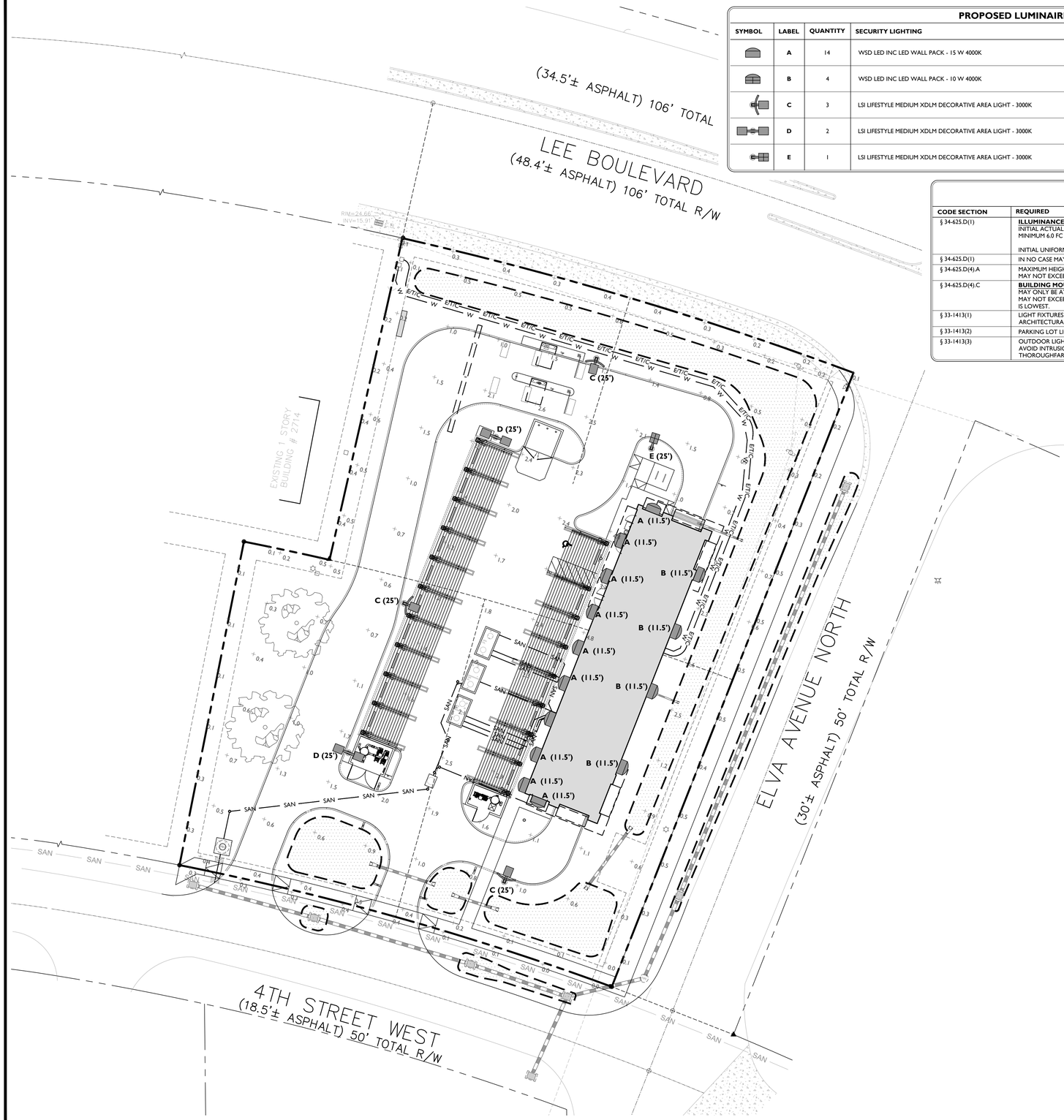
TITLE:

UTILITY PLAN

DRAWING:

C-7

Z:\TAMPA\TAM\2025\TAM 250036 EL CAR WASH - 2701 LEE BOULEVARD, LEHIGH ACRES, FL\CAD\DWG\PLOT\SDP-PLOT-PLAN.DWG



PROPOSED LUMINAIRE SCHEDULE

SYMBOL	LABEL	QUANTITY	SECURITY LIGHTING	DISTRIBUTION	LLF	MANUFACTURER	IES FILE
	A	14	WSD LED INC LED WALL PACK - 15 W 4000K	FORWARD	1.0	WSD LED INC	WSD-WP01SW27-345K-D.ies
	B	4	WSD LED INC LED WALL PACK - 10 W 4000K	FORWARD	1.0	WSD LED INC	WSD-WP01W27-50K-D.ies
	C	3	LSI LIFESTYLE MEDIUM XDLM DECORATIVE AREA LIGHT - 3000K	TYPE III	1.0	LSI LIGHTING	XDLM-3-LED-VLW-WW-IL.ies
	D	2	LSI LIFESTYLE MEDIUM XDLM DECORATIVE AREA LIGHT - 3000K	TYPE III	1.0	LSI LIGHTING	XDLM-3-LED-VLW-WW-IL.ies
	E	1	LSI LIFESTYLE MEDIUM XDLM DECORATIVE AREA LIGHT - 3000K	TYPE V	1.0	LSI LIGHTING	XDLM-5W-LED-VLW-WW.ies

LIGHTING REQUIREMENTS

CODE SECTION	REQUIRED	PROPOSED
§ 34-625.D(1)	**ILLUMINANCE** INITIAL ACTUAL FOOTCANDLES CANOPY, DRIVE-THROUGH, FUEL PUMPS, OVERHAND = MINIMUM 6.0 FC INITIAL UNIFORMITY AVERAGE = 5:1	**COMPLIES**
§ 34-625.D(1)	IN NO CASE MAY THE ILLUMINATION EXCEED 0.5 FC MEASURED AT THE PROPERTY LINE	**0.5 FC**
§ 34-625.D(4).A	MAXIMUM HEIGHT OF LIGHT POLED FOR PARKING LOTS AND VEHICULAR USE AREAS MAY NOT EXCEED 25 FT MEASURED FROM GROUND LEGEL	**25 FT**
§ 34-625.D(4).C	**BUILDING MOUNTED LUMINAIRES** MAY ONLY BE ATTACHED TO THE BUILDING WALLS AND THE TOP OF THE FICUTRE MAY NOT EXCEED THE HEIGHT OF THE PARAPET, OR THE ROOF, OR 25 FT, WHICHEVER IS LOWEST.	**COMPLIES**
§ 33-1413(1)	LIGHT FIXTURES MUST COMPLEMENT THE BUILDING DEVELOPMENT WITH AN ARCHITECTURAL THEME CONSISTENT WITH THE OVERALL DEVELOPMENT.	**COMPLIES**
§ 33-1413(2)	PARKING LOT LIGHTING MUST UTILIZE DECORATIVE LIGHT POLES/FIXTURES.	**COMPLIES**
§ 33-1413(3)	OUTDOOR LIGHT FIXTURES MUST BE SHIELDED. LIGHTING MUST BE DIRECTED TO AVOID INTRUSION ON ADJACENT PROPERTIES AND AWAY FROM ADJACENT THOROUGHFARES.	**COMPLIES**

SYMBOL	DESCRIPTION
	PROPOSED CALCULATION AREA
	PROPOSED ISOMETRIC LINE
A (XX')	PROPOSED LIGHTING FIXTURE (MOUNTING HEIGHT)
XX	PROPOSED LIGHTING INTENSITY (FOOTCANDLES)
	PROPOSED AREA LIGHT
	PROPOSED BUILDING MOUNTED LIGHT

GENERAL LIGHTING NOTES

1. THE LIGHTING LEVELS DEPICTED WITHIN THE PLAN SET ARE CALCULATED UTILIZING DATA OBTAINED FROM THE LISTED MANUFACTURER. ACTUAL ILLUMINATION LEVELS AND PERFORMANCE OF ANY PROPOSED LIGHTING FIXTURE MAY VARY DUE TO UNCONTROLLABLE VARIABLES SUCH ARE WEATHER, VOLTAGE SUPPLY, LAMP TOLERANCE, EQUIPMENT SERVICE LIFE AND OTHER VARIABLE FIELD CONDITIONS.
2. WHERE APPLICABLE, THE EXISTING LIGHT LEVELS DEPICTED WITHIN THE PLAN SET SHALL BE CONSIDERED APPROXIMATE. THE EXISTING LIGHT LEVELS ARE BASED ON FIELD OBSERVATIONS AND THE MANUFACTURER'S DATA OF THE ASSUMED OR MOST SIMILAR LIGHTING FIXTURE MODEL.
3. UNLESS NOTED ELSEWHERE WITHIN THIS PLAN SET, THE LIGHT LOSS FACTORS USED IN THE LIGHTING ANALYSIS ARE AS FOLLOWS:
   - LIGHT EMITTING DIODES (LED): 0.90
   - HIGH PRESSURE SODIUM: 0.72
   - METAL HALIDE: 0.72
4. THE CONTRACTOR SHALL NOTIFY STONEFIELD ENGINEERING & DESIGN, LLC. IN WRITING, PRIOR TO THE START OF CONSTRUCTION, OF ANY PROPOSED LIGHTING LOCATIONS THAT CONFLICT WITH EXISTING/ PROPOSED DRAINAGE, UTILITY, OR OTHER IMPROVEMENTS.
5. THE CONTRACTOR IS RESPONSIBLE TO PREPARE A WIRING PLAN AND PROVIDE ELECTRIC SERVICE TO ALL PROPOSED LIGHTING FIXTURES. THE CONTRACTOR IS REQUIRED TO PREPARE AN AS-BUILT PLAN OF WIRING AND PROVIDE COPIES TO THE OWNER AND STONEFIELD ENGINEERING & DESIGN, LLC.

20' 0' 20' 40'
GRAPHIC SCALE IN FEET
1" = 20'

ISSUE	DATE	BY	DESCRIPTION
8	04/22/2026	GPG	FOR CMSID RESUBMISSION
7	03/27/2026	GPG	FOR COUNTY SUBMISSION
6	02/20/2026	GPG	FOR COUNTY SUBMISSION - ADMINISTRATIVE VARIANCE
5	01/23/2026	GPG	LANDSCAPE PLAN REVIEW
4	11/26/2025	GPG	FOR COUNTY RESUBMISSION - DOT
3	08/14/2025	GPG	FOR COUNTY SUBMISSION
3	07/10/2025	GPG	FOR 90% CLIENT REVIEW
2	06/27/2025	KGR	FOR 60% CLIENT REVIEW
1	06/13/2025	GPG	FOR CLIENT REVIEW

NOT APPROVED FOR CONSTRUCTION

STONEFIELD engineering & design
Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com
One Harbour Place, Suite 250, 777 S Harbour Island Blvd.
Tampa, FL 33602
Phone 813.793.2200

SITE DEVELOPMENT PLANS

CAR WASH FLORIDA

LEHIGH ACRES
PROPOSED CARWASH

PARCEL ID: 254226500063.0100 & 254426050063.0120
2701 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

JAMES S. KINOSIAN, P.E.
FLORIDA LICENSE No. 86000
LICENSED PROFESSIONAL ENGINEER
FLORIDA BUSINESS CERT. OF AUTH. No. 30078

STONEFIELD engineering & design

SCALE: 1" = 20' | PROJECT ID: TAM-250036

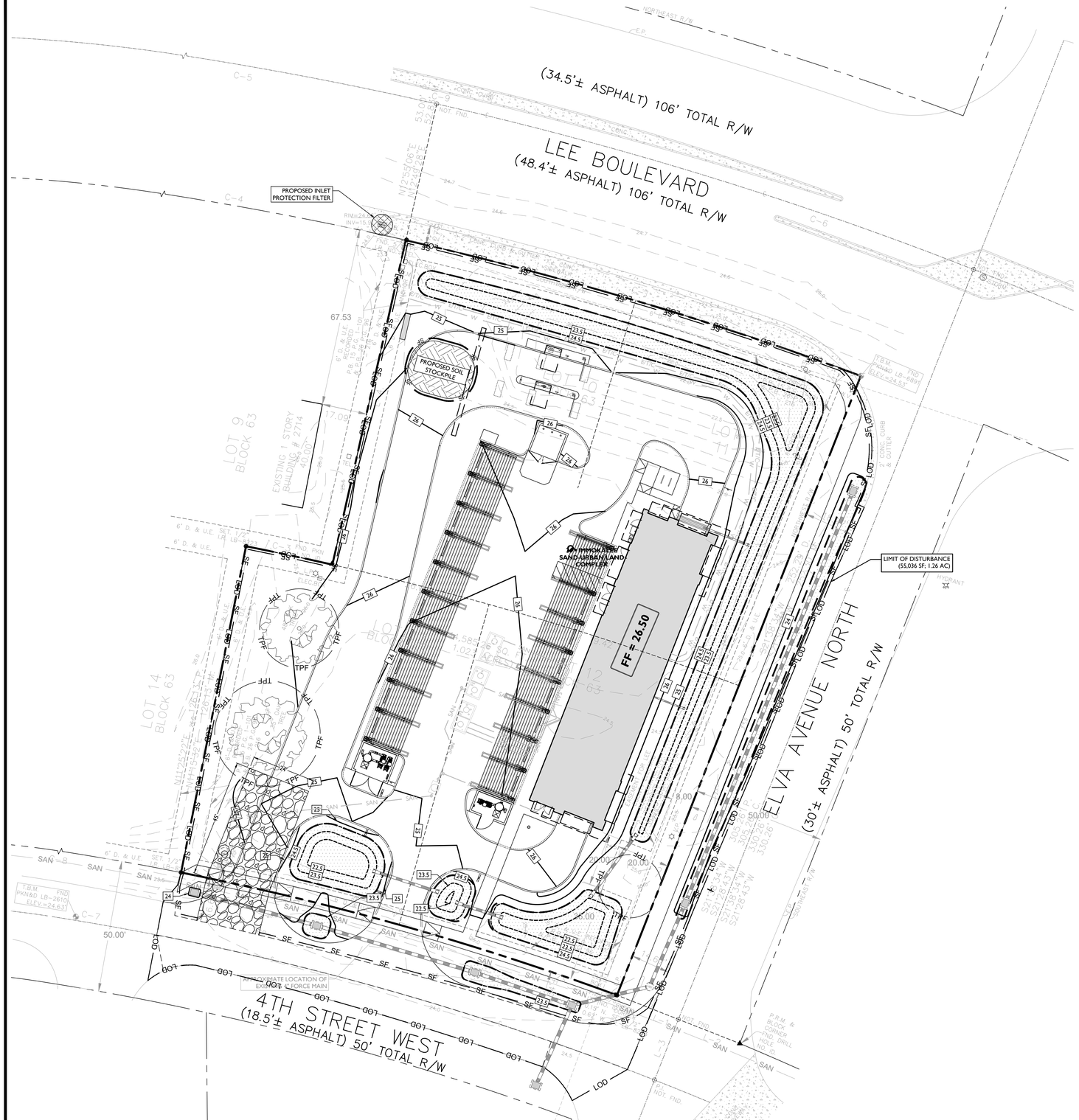
TITLE:

LIGHTING PLAN

DRAWING:

C-8

Z:\TAMPA\TAM\2025\TAM-250036 EL CAR WASH - 2701 LEE BOULEVARD, LEHIGH ACRES, FL\CAD\PLOTS\PLAN LIGHT.DWG


LEE BOULEVARD
(48.4'± ASPHALT) 106' TOTAL R/W
(34.5'± ASPHALT) 106' TOTAL R/W
NORTHEAST R/W
C.P.
PROPOSED INLET PROTECTION FILTER
PROPOSED SOIL STOCKPILE
LIMIT OF DISTURBANCE (55,036 SF; 1.26 AC)
IMMOKALEE SAND-URBAN LAND COMPLEX
FF = 26.50
ELVA AVENUE NORTH
(30'± ASPHALT) 50' TOTAL R/W
4TH STREET WEST
(18.5'± ASPHALT) 50' TOTAL R/W
APPROXIMATE LOCATION OF EXISTING FORCE MAIN
EXISTING 1 STORY BUILDING # 2714
LOT 9 BLOCK 63
LOT 14 BLOCK 63
LOT 12 BLOCK 63
LOT 10 BLOCK 63
LOT 11 BLOCK 63
LOT 13 BLOCK 63
LOT 15 BLOCK 63
LOT 16 BLOCK 63
LOT 17 BLOCK 63
LOT 18 BLOCK 63
LOT 19 BLOCK 63
LOT 20 BLOCK 63
LOT 21 BLOCK 63
LOT 22 BLOCK 63
LOT 23 BLOCK 63
LOT 24 BLOCK 63
LOT

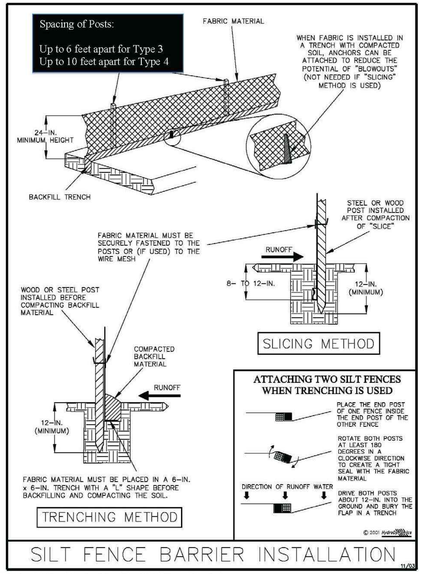


Figure V-2: Illustration of a Silt Fence Barrier

Permission is given by HydroDynamics Incorporated to copy and reproduce this detail

FDEP SILT FENCE BARRIER INSTALLATION DETAIL

NOT TO SCALE

1

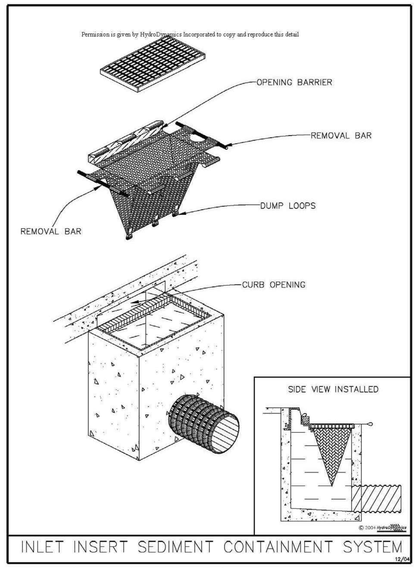


Figure V-18: Illustration of an Inlet Insert Sediment Containment System

Permission is given by HydroDynamics Incorporated to copy and reproduce this detail

FDEP INLET INSET SEDIMENT CONTAINMENT SYSTEM

NOT TO SCALE

2

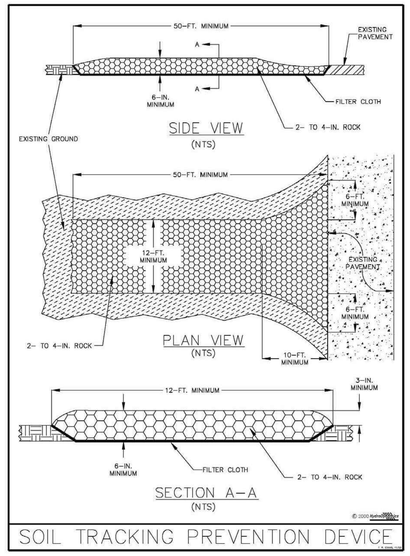


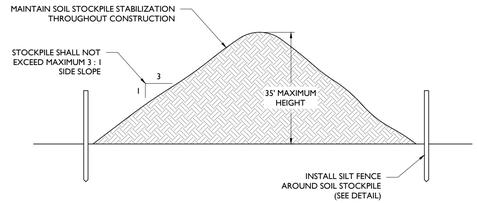
Figure V-19: Illustration of a Soil Tracking Prevention Device

Permission is given by HydroDynamics Incorporated to copy and reproduce this detail

FDEP STANDARD CONTRACTION ENTRANCE DETAIL

NOT TO SCALE

3

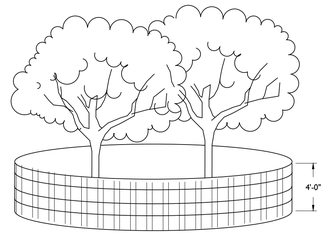


NOTES:
1. STOCKPILES SHALL BE SITUATED SO AS NOT TO OBSTRUCT NATURAL DRAINAGE OR CAUSE OFF-SITE ENVIRONMENTAL DAMAGE.
2. STOCKPILES SHALL BE STABILIZED IN ACCORDANCE WITH THE STANDARDS FOR PERMANENT OR TEMPORARY VEGETATIVE COVER FOR SOIL STABILIZATION, AS APPROPRIATE (SEE SOIL EROSION NOTES).

SOIL STOCKPILE DETAIL

NOT TO SCALE

4



NOTES:
1. SNOW FENCING IS TO BE 4'-0" HIGH AND SELF SUPPORTED.
2. DO NOT STOCKPILE MATERIALS OR STORE EQUIPMENT WITHIN THE TREE PROTECTION FENCING.
3. SNOW FENCE TO BE INSTALLED AT DRIP LINE OF EXISTING TREE OR TREE CLUSTER TO BE PROTECTED OR NO CLOSER THAN 6' FROM TREE TRUNK IF NECESSARY.
4. IF THE PROJECT AREA ENCOMPASSES A PORTION OF THE DRIP LINE OF THE TREE, NO MORE THAN ONE THIRD OF THE OF THE TOTAL AREA OF WITHIN THE DRIP LINE SHOULD BE DISTURBED BY CONSTRUCTION OR REGRADING AND A 3" THICK LAYER OF MULCH SHALL BE INSTALLED OVER THE AREA OF THE DRIP LINE WHICH IS NOT PROTECTED BY FENCING TO PROVIDE A CUSHION.

TREE PROTECTION DETAIL

NOT TO SCALE

5

DEMOLITION NOTES

1. THE WORK REFLECTED ON THE DEMOLITION PLAN IS TO PROVIDE GENERAL INFORMATION TOWARDS THE EXISTING ITEMS TO BE DEMOLISHED AND/OR REMOVED. THE CONTRACTOR IS RESPONSIBLE TO REVIEW THE ENTIRE PLAN SET AND ASSOCIATED REPORTS/REFERENCE DOCUMENTS INCLUDING ALL DEMOLITION ACTIVITIES AND INCIDENTAL TASKS NECESSARY TO COMPLETE THE SITE IMPROVEMENTS.
2. THE CONTRACTOR IS RESPONSIBLE TO DETERMINE THE MEANS AND METHODS OF DEMOLITION ACTIVITIES.
3. EXPLOSIVES SHALL NOT BE USED UNLESS WRITTEN CONSENT FROM BOTH THE OWNER AND ANY APPLICABLE GOVERNING AGENCY IS OBTAINED. BEFORE THE START OF ANY EXPLOSIVE PROGRAM, THE CONTRACTOR IS RESPONSIBLE TO OBTAIN ALL LOCAL, STATE, AND FEDERAL PERMITS. ADDITIONALLY, THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL SEISMIC TESTING AS REQUIRED AND ANY DAMAGES AS THE RESULT OF SAID DEMOLITION PRACTICES.
4. ALL DEMOLITION ACTIVITIES SHALL BE PERFORMED IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL CODES. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING ALL UTILITIES ARE DISCONNECTED IN ACCORDANCE WITH THE UTILITY AUTHORITY'S REQUIREMENTS PRIOR TO STARTING THE DEMOLITION OF ANY STRUCTURE. ALL EXCAVATIONS ASSOCIATED WITH DEMOLISHED STRUCTURES OR REMOVED TANKS SHALL BE BACKFILLED WITH SUITABLE MATERIAL AND COMPACTED TO SUPPORT SITE AND BUILDING IMPROVEMENTS. A GEOTECHNICAL ENGINEER SHOULD BE PRESENT DURING BACKFILLING ACTIVITIES TO OBSERVE AND CERTIFY THAT BACKFILL MATERIAL WAS COMPACTED TO A SUITABLE CONDITION.
5. DEMOLISHED DEBRIS SHALL NOT BE BURIED ON SITE. ALL WASTE/DEBRIS GENERATED FROM DEMOLITION ACTIVITIES SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REQUIREMENTS. THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN ALL RECORDS OF THE DISPOSAL TO DEMONSTRATE COMPLIANCE WITH THE ABOVE REGULATIONS.

SOIL EROSION AND SEDIMENT CONTROL NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR SOIL EROSION AND SEDIMENT CONTROL IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REQUIREMENTS.
2. THE CONTRACTOR IS RESPONSIBLE FOR DUST CONTROL IN COMPLIANCE WITH LOCAL, STATE, AND FEDERAL AIR QUALITY STANDARDS.
3. THE CONTRACTOR IS RESPONSIBLE TO INSPECT ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES WEEKLY AND AFTER A PRECIPITATION EVENT GREATER THAN 1 INCH. THE CONTRACTOR SHALL MAINTAIN AN INSPECTION LOG ON SITE AND DOCUMENT CORRECTIVE ACTION TAKEN THROUGHOUT THE COURSE OF CONSTRUCTION AS REQUIRED.

DUST CONTROL NOTES

1. THE CONTRACTOR SHALL UTILIZE THE FOLLOWING DUST CONTROL / ABATEMENT METHODOLOGIES:
   a. SITE SPRINKLING.
   b. TEMPORARY AND PERMANENT VEGETATION / MULCHING.
   c. STONE CONSTRUCTION ENTRANCE / EXIT.
   d. ADDITIONAL DUST CONTROL BMPS MAY BE UTILIZED DEPENDING ON SITE CONSTRUCTION CONDITIONS.
2. THE CONTRACTOR SHALL DETERMINE THE TYPE AND EXTENTS OF EACH DUST CONTROL METHODOLOGY BASED ON SITE CONSTRUCTION CONDITIONS AND STATE OF FLORIDA BEST MANAGEMENT PRACTICES.
3. THE CONTRACTOR SHALL PROVIDE CONSTRUCTION BARRIERS TO CONTROL AIR CURRENTS AND SOIL BLOWING, IF REQUIRED

POLLUTION PREVENTION NOTES

1. EROSION AND SEDIMENT CONTROL BMPS 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. BMPS SHALL BE DESIGNED, INSTALLED, AND MAINTAINED BY THE SITE OPERATOR TO ENSURE THAT OFF-SITE SURFACE WATER QUALITY REMAINS CONSISTENT WITH 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, OR DISCHARGES TO ON-SITE 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, 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 (NPDES):
   7.1. 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.
   7.2. A COPY OF THE CERTIFIED NPDES NOTICE OF INTENT (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.
   7.3. 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.
   7.4. THE SWPPP SHALL BE CERTIFIED IN ACCORDANCE WITH RULE 62-621.300(4)(a)PART V.D.6, F.A.C.,
   7.5. 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.

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

MAINTENANCE NOTES

NPDES 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 INCHES 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 NPDES COMPLIANCE.

1. INSPECTIONS BY CONTRACTOR MUST OCCUR AT LEAST ONCE A WEEK OR WITHIN 24 HOURS OF A STORM EVENT 0.5 INCHES 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 NPDES QUALIFIED INSPECTOR. IF REPAIR 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 NPDES PERMIT. BY BIDDING DOCUMENTS CONTRACTOR ACKNOWLEDGES HE/SHE IS AWARE OF NPDES GUIDELINES AND POLICIES AS WELL AS BEST MANAGEMENT PRACTICES AND ASSUMES SOLE RESPONSIBILITY FOR FINES IMPOSED BY GOVERNMENTAL AGENCIES DUE TO VIOLATION.

SOIL CHARACTERISTICS CHART

TYPE OF SOIL	MATLACHA GRAVELLY FINE SAND-URBAN LAND COMPLEX (7)
PERCENT OF SITE COVERAGE	100%
HYDROLOGIC SOIL GROUP	B
DEPTH TO RESTRICTIVE LAYER	> 80 INCHES
SOIL PERMEABILITY	1.98 TO 5.95 IN / HR
DEPTH TO WATER TABLE	18 TO 42 INCHES

STABILIZATION SPECIFICATIONS:

1.A. TEMPORARY SEEDING AND MULCHING:
GROUND LIMESTONE - APPLIED UNIFORMLY ACCORDING TO SOIL TEST RECOMMENDATIONS.
FERTILIZER - APPLY 11LBS./1,000 SF OF 10-20-10 OR EQUIVALENT WITH 50% WATER INSOLUBLE NITROGEN (UNLESS A SOIL TEST INDICATES OTHERWISE) WORKED INTO THE SOIL A MINIMUM OF 4".
SEED - PERENNIAL RYEGRASS 100 LBS/ACRE (2.3 LBS/1,000 SF) OR OTHER APPROVED SEEDS; PLANT BETWEEN MARCH 1 AND MAY 15 OR BETWEEN AUGUST 15 AND OCTOBER 1.
MULCH - UNROTTED STRAW OR HAY AT A RATE OF 70 TO 90 LBS./1,000 SF APPLIED TO ACHIEVE 95% SOIL SURFACE COVERAGE. MULCH SHALL BE ANCHORED BY APPROVED METHODS (I.E. PEG AND TWINE, MULCH NETTING, OR LIQUID MULCH BINDER).

1.B. PERMANENT SEEDING AND MULCHING:
TOPSOIL - UNIFORM APPLICATION TO A DEPTH OF 5" (UNSETTLED).
GROUND LIMESTONE - APPLIED UNIFORMLY ACCORDING TO SOIL TEST RECOMMENDATIONS.
FERTILIZER - APPLY 11 LBS./1,000 SF OF 10-10-10 OR EQUIVALENT WITH 50% WATER INSOLUBLE NITROGEN (UNLESS A SOIL TEST INDICATES OTHERWISE) WORKED INTO THE SOIL A MINIMUM OF 4".
SEED - TURF TYPE TALL FESCUE (BLEND OF 3 CULTIVARS) 350 LBS./ACRE (8 LBS./1,000 SF) OR OTHER APPROVED SEEDS; PLANT BETWEEN MARCH 1 AND OCTOBER 1 (SUMMER SEEDINGS REQUIRE IRRIGATION)
MULCH - UNROTTED STRAW OR HAY AT A RATE OF 70 TO 90 LBS./1,000 SF APPLIED TO ACHIEVE 95% SOIL SURFACE COVERAGE. MULCH SHALL BE ANCHORED BY APPROVED METHODS (I.E. PEG AND TWINE, MULCH NETTING, OR LIQUID MULCH BINDER).

SEQUENCE OF CONSTRUCTION

UPON IMPLEMENTATION AND INSTALLATION OF THE FOLLOWING AREAS; TRAILER, PARKING, LAYDOWN, PORTABLE RESTROOMS, WHEELED WASTE DISPOSAL DUMPSTER(S), WHEEL WASH, 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 I
1. CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE AND INSTALL SILT FENCE.
2. INSTALL INLET PROTECTION AT EXISTING INLET(S).
3. PREPARE DEMOLITION OF EXISTING SITE FEATURES AS DETAILED ON SHEET C-2.

PHASE II
1. INSTALL STORMWATER CONVEYANCE STRUCTURES AND CULVERTS, ENSURE THAT NEW INLETS ARE PROTECTED PRIOR TO MAKING THE OUTFALL CONNECTION.
2. PERFORM MASS GRADING, ROUGH GRADE TO ESTABLISH PROVIDED DRAINAGE PATTERNS.
3. START CONSTRUCTION OF THE PROVIDED BUILDING PAD AND STRUCTURES.
4. TEMPORARY 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.

DEWATERING NOTE

THE CONTRACTOR MUST PROVIDE A DEWATERING PLAN, IN ACCORDANCE WITH SECTION 10-329 OF THE LEE COUNTY DEVELOPMENT CODE.

ALL SITE FEATURES WITHIN THE LIMIT OF DISTURBANCE INDICATED ON THIS PLAN ARE TO BE REMOVED / DEMOLISHED UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL NOTIFY STONEFIELD ENGINEERING & DESIGN, LLC. IF SIGNIFICANT DISCREPANCIES ARE DISCERNED BETWEEN THIS PLAN AND FIELD CONDITIONS

ISSUE	DATE	BY	DESCRIPTION
8	04/22/2026	GPG	FOR CMSID RESUBMISSION
7	03/27/2026	GPG	FOR COUNTY SUBMISSION
6	02/20/2026	GPG	FOR COUNTY SUBMISSION - ADMINISTRATIVE VARIANCE
5	01/23/2026	GPG	LANDSCAPE PLAN REVIEW
4	11/26/2025	GPG	FOR COUNTY RESUBMISSION - DOT
3	08/14/2025	GPG	FOR COUNTY SUBMISSION
3	07/10/2025	GPG	FOR 90% CLIENT REVIEW
2	06/27/2025	KGR	FOR 60% CLIENT REVIEW
1	06/13/2025	GPG	FOR CLIENT REVIEW

NOT APPROVED FOR CONSTRUCTION

STONEFIELD engineering & design
Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com
One Harbour Place, Suite 250, 777 S Harbour Island Blvd.
Tampa, FL 33602
Phone 813.793.2200

SITE DEVELOPMENT PLANS

CAR WASH FLORIDA

LEHIGH ACRES
PROPOSED CARWASH

PARCEL ID: 25-43-26-B0006.0100 & 25-43-26-B0006.0120
2701 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

JAMES S. KINOSIAN, P.E.
FLORIDA LICENSE No. 86000
LICENSED PROFESSIONAL ENGINEER
FLORIDA BUSINESS CERT. OF AUTH. No. 30078

STONEFIELD engineering & design

SCALE: AS SHOWN | PROJECT ID: TAM-250036

TITLE:
DEMOLITION & SOIL EROSION & SEDIMENT CONTROL NOTES & DETAILS

DRAWING:
C-10

Z:\TAMPA\TAM\2025\TAM-250036 EL CAR WASH - 2701 LEE BOULEVARD, LEHIGH ACRES, FL\CAD\PLOT\DP-PLSEC.DWG

IRRIGATION NOTE:

IRRIGATION CONTRACTOR TO PROVIDE A DESIGN FOR AN IRRIGATION SYSTEM SEPARATING PLANTING BEDS FROM LAWN AREA. PRIOR TO CONSTRUCTION, DESIGN IS TO BE SUBMITTED TO THE PROJECT LANDSCAPE DESIGNER FOR REVIEW AND APPROVAL. WHERE POSSIBLE, DRIP IRRIGATION AND OTHER WATER CONSERVATION TECHNIQUES SUCH AS RAIN SENSORS SHALL BE IMPLEMENTED. CONTRACTOR TO VERIFY MAXIMUM ON SITE DYNAMIC WATER PRESSURE AVAILABLE MEASURED IN PSI. PRESSURE REDUCING DEVICES OR BOOSTER PUMPS SHALL BE PROVIDED TO MEET SYSTEM PRESSURE REQUIREMENTS. DESIGN TO SHOW ALL VALVES, PIPING, HEADS, BACKFLOW PREVENTION, METERS, CONTROLLERS, AND SLEEVES WITHIN HARDSCAPE AREAS.

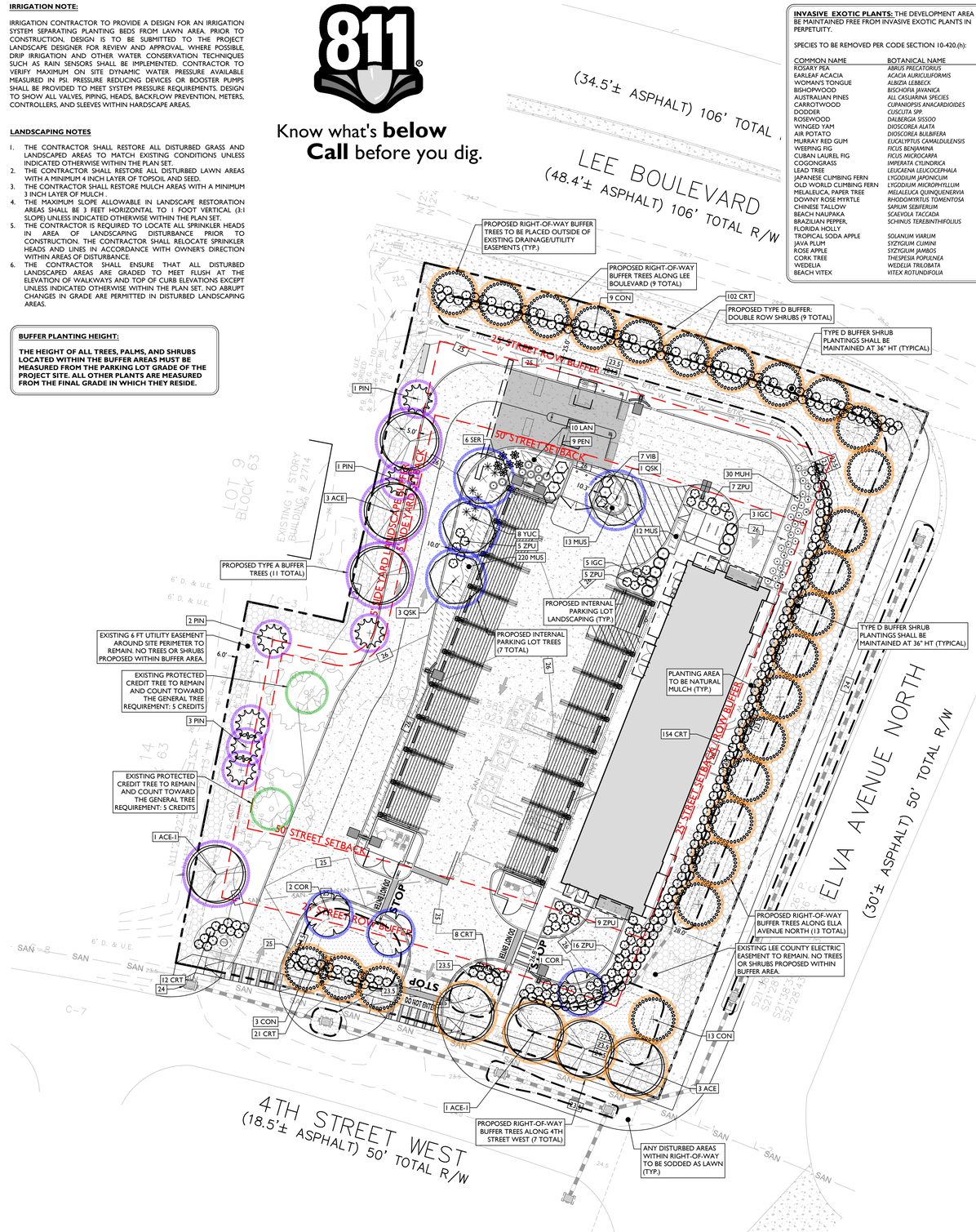
LANDSCAPING NOTES

1. THE CONTRACTOR SHALL RESTORE ALL DISTURBED GRASS AND LANDSCAPED AREAS TO MATCH EXISTING CONDITIONS UNLESS INDICATED OTHERWISE WITHIN THE PLAN SET.
2. THE CONTRACTOR SHALL RESTORE ALL DISTURBED LAWN AREAS WITH A MINIMUM 4 INCH LAYER OF TOPSOIL AND SEED.
3. THE CONTRACTOR SHALL RESTORE MULCH AREAS WITH A MINIMUM 3 INCH LAYER OF MULCH .
4. THE MAXIMUM SLOPE ALLOWABLE IN LANDSCAPE RESTORATION AREAS SHALL BE 3 FEET HORIZONTAL TO 1 FOOT VERTICAL (3:1 SLOPE) UNLESS INDICATED OTHERWISE WITHIN THE PLAN SET.
5. THE CONTRACTOR IS REQUIRED TO LOCATE ALL SPRINKLER HEADS IN AREA OF LANDSCAPING DISTURBANCE PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL RELOCATE SPRINKLER HEADS AND LINES IN ACCORDANCE WITH OWNER'S DIRECTION WITHIN AREAS OF DISTURBANCE.
6. THE CONTRACTOR SHALL ENSURE THAT ALL DISTURBED LANDSCAPED AREAS ARE GRADED TO MEET FLUSH AT THE ELEVATION OF WALKWAYS AND TOP OF CURB ELEVATIONS EXCEPT UNLESS INDICATED OTHERWISE WITHIN THE PLAN SET. NO ABRUPT CHANGES IN GRADE ARE PERMITTED IN DISTURBED LANDSCAPING AREAS.

BUFFER PLANTING HEIGHT:

THE HEIGHT OF ALL TREES, PALMS, AND SHRUBS LOCATED WITHIN THE BUFFER AREAS MUST BE MEASURED FROM THE PARKING LOT GRADE OF THE PROJECT SITE. ALL OTHER PLANTS ARE MEASURED FROM THE FINAL GRADE IN WHICH THEY RESIDE.

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



INVASIVE EXOTIC PLANTS: THE DEVELOPMENT AREA WILL BE MAINTAINED FREE FROM INVASIVE EXOTIC PLANTS IN PERPETUITY.

SPECIES TO BE REMOVED PER CODE SECTION 10-420.(h):

COMMON NAME	BOTANICAL NAME
ROSARY PEA	*ABRUS PRECATORIUS*
EARLEAF ACACIA	*ACACIA AURICULIFORMIS*
WOMAN'S TONGUE	*ALBIZIA LEBBECK*
BISHOPWOOD	*BISCHOFIA JAVANICA*
AUSTRALIAN PINES	*ALL CASUARINA SPECIES*
CARROTWOOD	*CUPANIOPSIS ANACARDIOIDES*
DODDER	*CUSCUTA SPP.*
ROSEWOOD	*DALBERGIA SISSOO*
WINGED YAM	*DIOSCOREA ALATA*
AIR POTATO	*DIOSCOREA BULBIFERA*
MURRAY RED GUM	*EUCALYPTUS CAMALDULENSIS*
WEEPING FIG	*FICUS BENJAMINA*
CUBAN LAUREL FIG	*FICUS MICROCARPA*
COGONGRASS	*IMPERATA CYLINDRICA*
LEAD TREE	*LEUCAENA LEUCOCEPHALA*
JAPANESE CLIMBING FERN	*LYGODIUM JAPONICUM*
OLD WORLD CLIMBING FERN	*LYGODIUM MICROPHYLLUM*
MELALEUCA, PAPER TREE	*MELALEUCA QUINQUENERVIA*
DOWNY ROSE MYRTLE	*RHODOMYRTUS TOMENTOSA*
CHINESE TALLOW	*SAPIUM SEBIFERUM*
BEACH NAUPAKA	*SCAEVOLA TACCADA*
BRAZILIAN PEPPER, FLORIDA HOLLY	*SCHINUS TEREBINTHIFOLIUS*
TROPICAL SODA APPLE	*SOLANUM VIARUM*
JAVA PLUM	*SYZYGIUM CUMINI*
ROSE APPLE	*SYZYGIUM JAMBOS*
CORK TREE	*THESPESIA POPULNEA*
WEDELIA	*WEDELIA TRILOBATA*
BEACH VITEX	*VITEX ROTUNDIFOLIA*

PLANT SCHEDULE

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE (HT.)	SIZE (SPR.)(*)	CONTAINER	SPACING	FLORIDA PLANT GRADE
DECIDUOUS TREES									
	ACE	6	ACER RUBRUM	RED MAPLE	3.5" - 4" CAL MIN. 20' HT	6' +	B&B	AS SHOWN	FLORIDA #1
	ACE-I	2	ACER RUBRUM	RED MAPLE	2" - 2.5" CAL MIN. 10' HT	6' +	B&B	AS SHOWN	FLORIDA #1
	COR	3	CORNUS FOEMINA	STIFF DOGWOOD	2" - 2.5" CAL MIN. 10' HT	6' +	B&B	AS SHOWN	FLORIDA #1
	QSK	4	QUERCUS VIRGINIANA 'SKY CLIMBER'	SKY CLIMBER SOUTHERN LIVE OAK	2" - 2.5" CAL MIN. 10' HT	6' +	B&B	AS SHOWN	FLORIDA #1
EVERGREEN TREES									
	CON	25	CONOCARPUS ERECTUS F. SERICEUS	SILVER BUTTONWOOD	3.5" - 4" CAL MIN. 16.5' HT	6' +	B&B	AS SHOWN	FLORIDA #1
	PIN	7	PINUS ELLIOTTII	SLASH PINE	10' - 12' HT	5' +	B&B	AS SHOWN	FLORIDA #1
SHRUBS									
	SER	6	SERENOA REPENS	SAW PALMETTO	24" - 30"	24" - 30"	POT	AS SHOWN	FLORIDA #1
	ZPU	42	ZAMIA PUMILA	COONTIE CYCAD	24" - 30"	24" - 30"	POT	AS SHOWN	FLORIDA #1
EVERGREEN SHRUBS									
	CRT	297	CHRYSOBALANUS ICACO 'RED TIP'	RED TIP COCO PLUM	30" - 36"	30" - 36"	POT	AS SHOWN	FLORIDA #1
	IGC	8	ILEX GLABRA 'COMPACTA'	COMPACT INKBERRY	24" - 30"	24" - 30"	POT	AS SHOWN	FLORIDA #1
	VIB	7	VIBURNUM OBOVATUM	WALTER'S VIBURNUM	24" - 30"	24" - 30"	POT	AS SHOWN	FLORIDA #1
	YUC	8	YUCCA FILAMENTOSA	ADAM'S NEEDLE	18" - 24"	18" - 24"	POT	AS SHOWN	FLORIDA #1
GRASSES									
	MUH	30	MUHLENBERGIA CAPILLARIS	PINK MUHLY GRASS	18" - 24"	6" - 12"	POT	AS SHOWN	FLORIDA #1
	PEN	9	PENNISETUM SETACEUM	FOUNTAIN GRASS	6" - 12"	3" - 6"	1 GAL., POT	AS SHOWN	FLORIDA #1
SHRUB AREAS									
	LAN	10	LANTANA X 'CHAPEL HILL YELLOW'	CHAPEL HILL YELLOW LANTANA	6" - 12"	3" - 6"	1 GAL., POT	24" o.c.	FLORIDA #1
	MUS	245	LIRIOPE MUSCARI	LILYTURF	6" - 12"	3" - 6"	1 GAL., POT	18" o.c.	FLORIDA #1

(*) SIZE INDICATED IS GENERAL SUGGESTION AND NOT REQUIRED BY LDC.
NOTE: IF ANY DISCREPANCIES OCCUR BETWEEN AMOUNTS SHOWN ON THE LANDSCAPE PLAN AND WITHIN THE PLANT LIST, THE PLAN SHALL DICTATE.

LANDSCAPING AND BUFFER REQUIREMENTS

CODE SECTION	REQUIRED	PROPOSED
§ 10-415.(a)	OPEN SPACE	
	SMALL(1) COMMERCIAL DEVELOPMENTS: 20%	
	(44,585 SF) * (0.20) = 8,917 SF	16,678 SF (37%)
	MINIMUM WIDTH: 10 FT	COMPLIES
	MINIMUM AREA: 180 FT	COMPLIES
§ 10-416.(a)(3)	GENERAL TREES	
	1 TREE FOR EVERY 3,500 SF OF DEVELOPMENT AREA	
	(23,532 SF) * (1 TREE / 3,500 SF) = 7 TREES	10 TREE CREDITS(2)
§ 10-416.(b)	BUILDING PERIMETER PLANTINGS	
	PERIMETER PLANTINGS EQUAL TO 10% OF PROPOSED BUILDING GROSS GROUND LEVEL FLOOR AREA REQUIRED	
	(3,373 SF) * (0.10) = 347 SF	594 SF (17%)
	PLANTINGS MUST ABUT THREE SIDES OF BUILDING	COMPLIES
	MINIMUM WIDTH: 5 FT	5.0 FT
	SHRUBS AND GROUNDCOVER REQUIRED	COMPLIES
§ 10-416.(c)(2)a.	INTERNAL LANDSCAPING	
	1 TREE FOR EVERY 250 SF OF REQUIRED INTERNAL PLANTING AREA	
	(1,825 SF) * (1 TREE / 250 SF) = 7 TREES	7 TREES
	NO PARKING SPACE MAY BE MORE THAN 200 FT FROM A TREE	COMPLIES
§ 10-416.(c)(2)b.	MINIMUM 10% INTERIOR LANDSCAPING REQUIRED	
	(18,250 SF) * (0.10) = 1,825 SF	2,634 SF (14%)
§ 10-416.(c)(2)c.	MINIMUM WIDTH: 10 FT	12.1 FT
	NO MORE THAN 13 SPACES IN A ROW WITHOUT LANDSCAPED ISLANDS	COMPLIES; 10 SPACES
§ 10-416.(c)(2)g.	ALL INTERIOR ISLANDS NOT DEDICATED TO TREES MUST BE LANDSCAPED WITH GRASS, GROUNDCOVER, OR SHRUBS. SAND, GRAVEL, ROCK, SHELL, OR PAVEMENT ARE NOT PERMITTED.	COMPLIES
§ 10-416.(d)(3)	BUFFERING	
	BUFFER TYPE A REQUIRED WHERE COMMERCIAL ABUTS COMMERCIAL	COMPLIES
§ 10-416.(d)(4)	BUFFER TYPE A	
	MINIMUM WIDTH: 5 FT	WEST: 5.0 FT
	4 TREES FOR EVERY 100 LF OF BUFFER	
	(285 FT) * (4 TREES / 100 FT) = 11 TREES	11 TREES
	BUFFER TYPE D	
	MINIMUM WIDTH: 15 FT	LEE BOULEVARD: 25.0 FT ELVA AVENUE: 28.0 FT 4TH STREET WEST: 26.8 FT
	5 TREES FOR EVERY 100 LF OF BUFFER	
	LEE BOULEVARD: 179 LF	
	(179 FT) * (5 TREES / 100 FT) = 9 TREES	9 TREES
	ELVA AVENUE NORTH: 252 LF	
	(252 FT) * (5 TREES / 100 FT) = 13 TREES	13 TREES
	4TH STREET WEST: 133 LF	
	(133 FT) * (5 TREES / 100 FT) = 7 TREES	7 TREES
	HEDGE REQUIRED CONSISTING OF DOUBLE STAGGERED ROWS OF 36" HIGH SHRUBS	COMPLIES
§ 10-416.(d)(10)	BUFFERING	
	BUFFER TYPE D REQUIRED FOR ALL FREESTANDING PARKING AREAS ALONG RIGHT-OF-WAY	COMPLIES

(1) PER § 10-1., SMALL DEVELOPMENT MEANS A PROJECT OF LESS THAN 10 ACRES IN LAND AREA. THE SITE IS 1.02 ACRE IN LAND AREA.
(2) PER § 10-420.(j)(2), EACH EXISTING NATIVE TREE PRESERVED 4" DBH OR GREATER WILL RECEIVE CREDIT OF FIVE TREES.

LANDSCAPING AND BUFFER REQUIREMENTS (CONTINUED)

CODE SECTION	REQUIRED	PROPOSED
§ 10-421.(a)(2)	PLANT INSTALLATION	
	TREES & SHRUBS USED IN BUFFERS MUST BE PLANTED IN A MINIMUM WIDTH AREA EQUAL TO 1/2 THE REQUIRED BUFFER WIDTH. IN NO CASE MAY THE PLANTING AREA BE LESS THAN 5 FT WIDTH.	COMPLIES
§ 10-421.(a)(5)	UTILITY/DRAINAGE EASEMENTS MAY OVERLAP REQUIRED BUFFERS. NO TREES/SHRUBS MAY BE LOCATED IN EASEMENT UNLESS A WRITTEN STATEMENT IS SUBMITTED STATING THAT THE ENTITY HAS NO OBJECTION & THAT THE PROPOSED LANDSCAPING WILL NOT INTERFERE WITH THE LONG-TERM MAINTENANCE OF THE AREA. NO LANDSCAPING MAY BE LOCATED IN ANY STREET EASEMENT OR RIGHT-OF-WAY. ONLY TREES < 20 FT HT MAY BE USED DIRECTLY ADJACENT TO OVERHEAD UTILITIES.	COMPLIES; NO TREES OR SHRUBS PROPOSED WITHIN EXISTING EASEMENTS
§ 10-425.(a)	MIXED-USE OVERLAY	
	SMALL(1) COMMERCIAL DEVELOPMENTS: 10%	
§ 10-425.(b)	(44,585 SF) * (0.10) = 4,459 SF	20,385 SF (45.7%)
	1 TREE FOR EVERY 1,000 SF OF OPEN SPACE	
§ 10-425.(e)	(4,459 SF) * (1 TREE / 1,000 SF) = 4 TREES	10 TREE CREDITS(2)
§ 10-425.(f)(1)	BUILDING PERIMETER PLANTING REQUIRED ON 2 SIDES OF BUILDING MOST VISIBLE TO PUBLIC	COMPLIES
	5 FT BUFFER REQUIRED ALONG R.O.W. WITH 5 TREES FOR EVERY 100 LF	LEE BOULEVARD: 25.0 FT ELVA AVENUE: 28.0 FT 4TH STREET WEST: 26.8 FT
	LEE BOULEVARD: 179 LF	
	(179 FT) * (5 TREES / 100 FT) = 9 TREES	9 TREES
	ELVA AVENUE NORTH: 252 LF	
	(252 FT) * (5 TREES / 100 FT) = 13 TREES	13 TREES
	4TH STREET WEST: 133 LF	
	(133 FT) * (5 TREES / 100 FT) = 7 TREES	7 TREES
§ 33-1405.(b)	LEHIGH ACRES COMMUNITY PLAN AREA	
	NO MORE THAN 10% OF THE REQUIRED INTERNAL LANDSCAPE AREA MAY BE SOD	
	(1,826 SF) * (0.10) = 183 SF	COMPLIES(3)
§ 34-1352.(g)(1)a.	R.O.W. BUFFER LANDSCAPING	
	MINIMUM WIDTH: 25 FT	LEE BOULEVARD: 25.0 FT ELVA AVENUE: 28.0 FT 4TH STREET WEST: 26.8 FT
§ 34-1352.(g)(1)b.	UNDULATING BERM REQUIRED FOR PROJECTS WITH AN OPEN DRAINAGE SYSTEM	COMPLIES
§ 34-1352.(g)(1)c.	5 TREES FOR EVERY 100 LF OF BUFFER	
	LEE BOULEVARD: 179 LF	
	(179 FT) * (5 TREES / 100 FT) = 9 TREES	9 TREES
	ELVA AVENUE NORTH: 252 LF	
	(252 FT) * (5 TREES / 100 FT) = 13 TREES	13 TREES
	4TH STREET WEST: 133 LF	
	(133 FT) * (5 TREES / 100 FT) = 7 TREES	7 TREES
§ 34-1352.(g)(2)a.	LANDSCAPING ADJACENT TO PROPERTY LINES	
	SINGLE HEDGE ROW REQUIRED WITHIN SIDE PROPERTY BOUNDARY	COMPLIES
	STREET R.O.W. BUFFER LANDSCAPING (CAR WASH)	
§ 34-1353.(e)(1)	MINIMUM WIDTH: 25 FT	ELVA AVENUE: 28.0 FT
	MINIMUM WIDTH ABUTTING INTERNAL DRIVE: 15 FT	LEE BOULEVARD: 25.0 FT 4TH STREET WEST: 26.8 FT
§ 34-1353.(e)(2)	UNDULATING BERM REQUIRED FOR PROJECTS WITH AN OPEN DRAINAGE SYSTEM	COMPLIES
§ 34-1353.(e)(3)	5 TREES FOR EVERY 100 LF OF BUFFER	
	LEE BOULEVARD: 179 LF	
	(179 FT) * (5 TREES / 100 FT) = 9 TREES	9 TREES
	ELVA AVENUE NORTH: 252 LF	
	(252 FT) * (5 TREES / 100 FT) = 13 TREES	13 TREES
	4TH STREET WEST: 133 LF	
	(133 FT) * (5 TREES / 100 FT) = 7 TREES	7 TREES
§ 34-1353.(e)(4)	SHRUBS REQUIRED 3 FT O.C.	COMPLIES

(1) PER § 10-1., SMALL DEVELOPMENT MEANS A PROJECT OF LESS THAN 10 ACRES IN LAND AREA. THE SITE IS 1.02 ACRE IN LAND AREA.
(2) PER § 10-420.(j)(2), EACH EXISTING NATIVE TREE PRESERVED 4" DBH OR GREATER WILL RECEIVE CREDIT OF FIVE TREES.
(3) NO SOD OR LAWN PROPOSED WITHIN REQUIRED INTERNAL LANDSCAPE AREA.

SYMBOL / DESCRIPTION

- PROPOSED INTERNAL TREES
- PROPOSED GENERAL TREES
- PROPOSED R.O.W. BUFFER TREES
- PROPOSED TYPE A BUFFER TREES

20' 0' 20' 40'
GRAPHIC SCALE IN FEET
1" = 20'

ISSUE	DATE	BY	DESCRIPTION
8	04/22/2026	GPG	FOR CMSD RESUBMISSION
7	03/27/2026	GPG	FOR COUNTY SUBMISSION
6	02/20/2026	GPG	FOR COUNTY SUBMISSION - ADMINISTRATIVE VARIANCE
5	01/23/2026	GPG	LANDSCAPE PLAN REVIEW
4	11/26/2025	GPG	FOR COUNTY RESUBMISSION - DOT
3	08/14/2025	GPG	FOR COUNTY SUBMISSION
3	07/10/2025	GPG	FOR 90% CLIENT REVIEW
2	06/27/2025	KGR	FOR 60% CLIENT REVIEW
1	06/13/2025	GPG	FOR CLIENT REVIEW

NOT APPROVED FOR CONSTRUCTION

STONEFIELD engineering & design
Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com
One Harbour Place, Suite 250, 777 S Harbour Island Blvd.
Tampa, FL 33602
Phone 813.793.2200

SITE DEVELOPMENT PLANS

CAR WASH FLORIDA

LEHIGH ACRES
PROPOSED CARWASH

PARCEL ID: 23-45-26-05-00063.0100 & 23-44-26-05-00063.0120
2701 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

PAUL DEVITTO, L.L.A.
FLORIDA LICENSE No. LA6667607
LICENSED LANDSCAPE ARCHITECT

STONEFIELD engineering & design

SCALE: 1" = 20' | PROJECT ID: TAM-250036

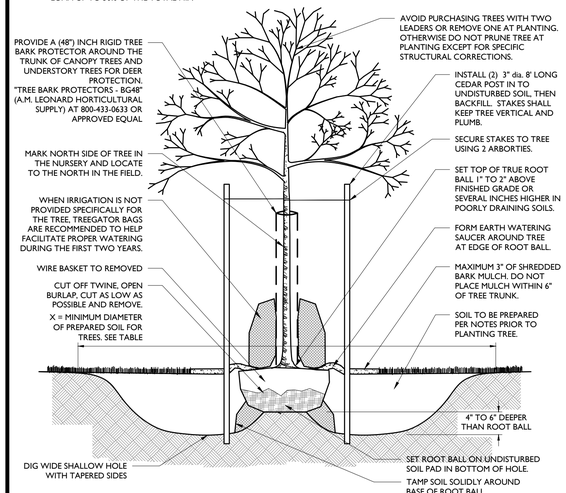
TITLE: **LANDSCAPING PLAN**

DRAWING: **C-11**

Z:\TAMPA\TAMPROJECTS\TAM-250036 EL CAR WASH - 3701 LEE BOULEVARD, LEHIGH ACRES, FL\ACAD\PLOT\DWG 11-13 LANDSCAPING

NOTES:

1. FOR CONTAINER-GROWN TREES, USE FINGERS OR SMALL HAND TOOLS TO PULL THE ROOTS OUT OF THE OUTER LAYER OF POTTING SOIL; THEN CUT OR PULL APART ANY ROOTS CIRCLING THE PERIMETER OF THE CONTAINER.
2. THOROUGHLY SOAK THE TREE ROOT BALL AND ADJACENT PREPARED SOIL SEVERAL TIMES DURING THE FIRST MONTH AFTER PLANTING AND REGULARLY THROUGHOUT THE FOLLOWING TWO SUMMERS.
3. SOIL AMENDMENTS:
   - MODIFY HEAVY CLAY OR SILT SOILS (MORE THAN 40% CLAY OR SILT) BY ADDING COMPOSTED PINE BARK (UP TO 30% BY VOLUME) OR GYPSUM
   - MODIFY EXTREMELY SANDY SOILDS (MORE THAN 85% SAND) BY ADDING ORGANIC MATTER AND/OR DRY, SHREDDED CLAY LOAM UP TO 30% OF THE TOTAL MIX



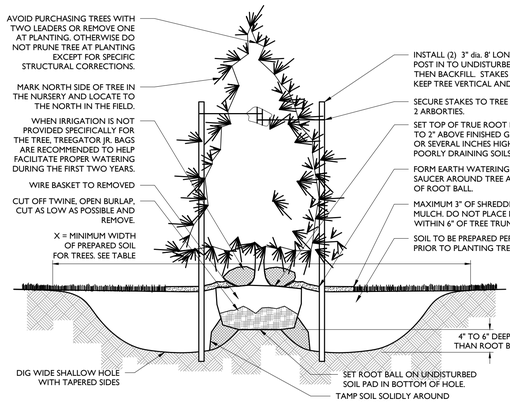
DECIDUOUS TREE PLANTING DETAIL

NOT TO SCALE

1

NOTES:

1. FOR CONTAINER-GROWN TREES, USE FINGERS OR SMALL HAND TOOLS TO PULL THE ROOTS OUT OF THE OUTER LAYER OF POTTING SOIL; THEN CUT OR PULL APART ANY ROOTS CIRCLING THE PERIMETER OF THE CONTAINER.
2. THOROUGHLY SOAK THE TREE ROOT BALL AND ADJACENT PREPARED SOIL SEVERAL TIMES DURING THE FIRST MONTH AFTER PLANTING AND REGULARLY THROUGHOUT THE FOLLOWING TWO SUMMERS.
3. SOIL AMENDMENTS:
   - MODIFY HEAVY CLAY OR SILT SOILS (MORE THAN 40% CLAY OR SILT) BY ADDING COMPOSTED PINE BARK (UP TO 30% BY VOLUME) OR GYPSUM
   - MODIFY EXTREMELY SANDY SOILS (MORE THAN 85% SAND) BY ADDING ORGANIC MATTER AND/OR DRY, SHREDDED CLAY LOAM UP TO 30% OF THE TOTAL MIX

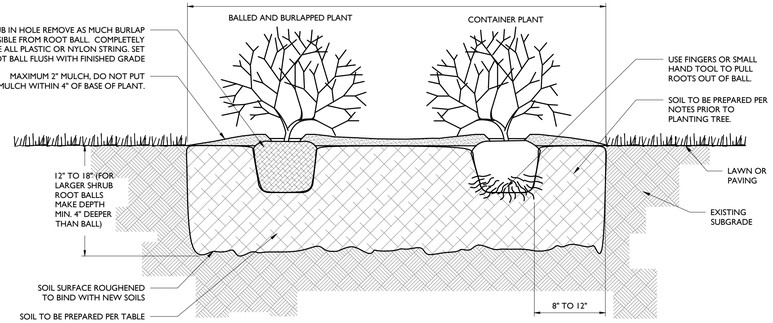


CONIFEROUS TREE PLANTING DETAIL

NOT TO SCALE

2

PREPARE SOIL IN THE ENTIRE BED USING PROCEDURES OUTLINED IN TABLE (X)



NOTES:

1. FOR CONTAINER-GROWN SHRUBS, USE FINGERS OR SMALL HAND TOOL TO PULL THE ROOTS OUT OF THE OUTER LAYER OF POTTING SOIL; THEN CUT OR PULL APART ANY ROOTS CIRCLING THE PERIMETER OF THE CONTAINER.
2. THOROUGHLY SOAK THE SHRUB ROOT BALL AND ADJACENT PREPARED SOIL SEVERAL TIMES DURING THE FIRST MONTH AFTER PLANTING AND REGULARLY THROUGHOUT THE FOLLOWING TWO SUMMERS.
   - MODIFY HEAVY CLAY OR SILT SOILS (MORE THAN 40% CLAY OR SILT) BY ADDING COMPOSTED PINE BARK (UP TO 30% BY VOLUME) OR GYPSUM
   - MODIFY EXTREMELY SANDY SOILS (MORE THAN 85% SAND) BY ADDING ORGANIC MATTER AND/OR DRY, SHREDDED CLAY LOAM UP TO 30% OF THE TOTAL

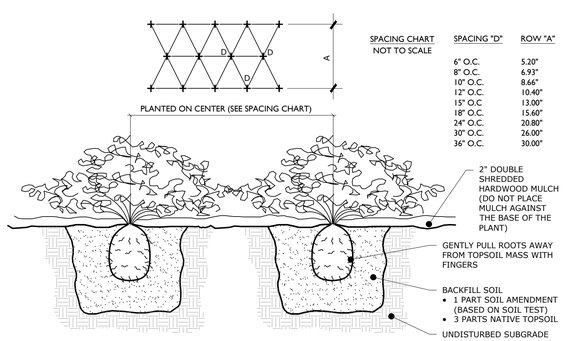
DECIDUOUS AND EVERGREEN SHRUB PLANTING DETAIL

NOT TO SCALE

3

NOTES:

1. THOROUGHLY SOAK THE GROUND COVER ROOT BALL AND ADJACENT PREPARED SOIL SEVERAL TIMES DURING THE FIRST MONTH AFTER PLANTING AND REGULARLY THROUGHOUT THE FOLLOWING TWO SUMMERS.
2. SOIL AMENDMENTS:
   - MODIFY HEAVY CLAY OR SILT SOILDS (MORE THAN 40% CLAY OR SILT) BY ADDING COMPOSTED PINE BARK (UP TO 30% BY VOLUME) OR GYPSUM
   - MODIFY EXTREMELY SANDY SOILDS (MORE THAN 85% SAND) BY ADDING ORGANIC MATTER AND/OR DRY, SHREDDED CLAY LOAM UP TO 30% OF THE TOTAL MIX
3. ALL GROUND COVER AREAS SHALL BE TREATED WITH A PRE-EMERGENT PER MANUFACTURER'S SPECIFICATIONS



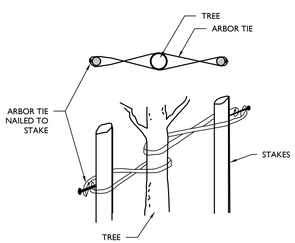
SPACING CHART
NOT TO SCALE

SPACING "D"	ROW "A"
6" O.C.	5.20"
8" O.C.	6.93"
10" O.C.	8.66"
12" O.C.	10.40"
15" O.C.	13.00"
18" O.C.	15.60"
24" O.C.	20.80"
30" O.C.	26.00"
36" O.C.	30.00"

GROUND COVER/PERENNIAL/ANNUAL PLANTING DETAIL

NOT TO SCALE

4



INSTALLATION GUIDELINES:

1. LOOP TIE AROUND TREE AND NAIL TO CEDAR STAKE.
2. REMOVE ALL STAKING AND TIES AT END OF FIRST GROWING SEASON.
3. FOLD ENDS OF ARBORTIE BACK. SECURE TO STAKES WITH 1" GALVANIZED ROOFING NAIL OR USE A KNOT.
4. CONSULT LANDSCAPE ARCHITECT FOR STAKING OF TREES LARGER THAN 6".
5. SOURCES INCLUDE:
   GEMPLERS 1-800-332-6744 or GEMPLERS.COM
   CSP OUTDOORS 1-800-592-6940 or CSPOUTDOORS.COM

ARBORTIE DETAIL

NOT TO SCALE

5

GENERAL LANDSCAPING NOTES:

1. THE LANDSCAPE CONTRACTOR SHALL FURNISH ALL MATERIALS AND PERFORM ALL WORK IN ACCORDANCE WITH THESE SPECIFICATIONS, APPROVED OR FINAL DRAWINGS, AND INSTRUCTIONS PROVIDED BY THE PROJECT LANDSCAPE DESIGNER, MUNICIPAL OFFICIALS, OR OWNER/OWNER'S REPRESENTATIVE. ALL WORK COMPLETED AND MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH THE INTENTION OF THE SPECIFICATIONS, DRAWINGS, AND INSTRUCTIONS AND EXECUTED WITH THE STANDARD LEVEL OF CARE FOR THE LANDSCAPE INDUSTRY.
2. WORK MUST BE CARRIED OUT ONLY DURING WEATHER CONDITIONS FAVORABLE TO LANDSCAPE CONSTRUCTION AND TO THE HEALTH AND WELFARE OF PLANTS. THE SUITABILITY OF SUCH WEATHER CONDITIONS SHALL BE DETERMINED BY THE PROJECT LANDSCAPE DESIGNER OR GOVERNING MUNICIPAL OFFICIAL.
3. IT IS THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR, BEFORE ORDERING OR PURCHASING MATERIALS, TO PROVIDE SAMPLES OF THOSE MATERIALS TO THE PROJECT LANDSCAPE DESIGNER OR GOVERNING MUNICIPAL OFFICIAL FOR APPROVAL, IF SO REQUESTED.
4. IF SAMPLES ARE REQUESTED, THE LANDSCAPE CONTRACTOR IS TO SUBMIT CERTIFICATION TAGS FROM TREES, SHRUBS AND SEED VERIFYING TYPE AND PURITY.
5. UNLESS OTHERWISE AUTHORIZED BY THE PROJECT LANDSCAPE DESIGNER OR GOVERNING MUNICIPAL OFFICIAL, THE LANDSCAPE CONTRACTOR SHALL PROVIDE NOTICE AT LEAST FORTY-EIGHT HOURS (48 HRS.) IN ADVANCE OF THE ANTICIPATED DELIVERY DATE OF ANY PLANT MATERIALS TO THE PROJECT SITE. A LEGIBLE COPY OF THE INVOICE, SHOWING VARIETIES AND SIZES OF MATERIALS INCLUDED FOR EACH SHIPMENT SHALL BE FURNISHED TO THE PROJECT LANDSCAPE DESIGNER, OR GOVERNING MUNICIPAL OFFICIAL.
6. THE PROJECT LANDSCAPE DESIGNER OR GOVERNING MUNICIPAL OFFICIAL RESERVES THE RIGHT TO INSPECT AND REJECT PLANTS AT ANY TIME AND AT ANY PLACE.

PROTECTION OF EXISTING VEGETATION NOTES:

1. BEFORE COMMENCING WORK, ALL EXISTING VEGETATION WHICH COULD BE IMPACTED AS A RESULT OF THE PROPOSED CONSTRUCTION ACTIVITIES MUST BE PROTECTED FROM DAMAGE BY THE INSTALLATION OF TREE PROTECTION FENCING. FENCING SHALL BE LOCATED AT THE DRIP-LINE OR LIMIT OF DISTURBANCE AS DEPICTED WITHIN THE APPROVED OR FINAL PLAN SET, ESTABLISHING THE TREE PROTECTION ZONE. SUCH INSTALLATION SHALL BE IN ACCORDANCE WITH THE PROVIDED "TREE PROTECTION FENCE DETAIL." NO WORK MAY BEGIN UNTIL THIS REQUIREMENT IS FULFILLED. THE FENCING SHALL BE INSPECTED REGULARLY BY THE LANDSCAPE CONTRACTOR AND MAINTAINED UNTIL ALL CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED.
2. IN ORDER TO AVOID DAMAGE TO ROOTS, BARK OR LOWER BRANCHES, NO VEHICLE, EQUIPMENT, DEBRIS, OR OTHER MATERIALS SHALL BE DRIVEN, PARKED OR PLACED WITHIN THE TREE PROTECTION ZONE. ALL ON-SITE CONTRACTORS SHALL USE ANY AND ALL PRECAUTIONARY MEASURES WHEN PERFORMING WORK AROUND TREES, WALKS, PAVEMENTS, UTILITIES, AND ANY OTHER FEATURES EITHER EXISTING OR PREVIOUSLY INSTALLED UNDER THIS CONTRACT.
3. IN RARE INSTANCES WHERE EXCAVATING, FILL, OR GRADING IS REQUIRED WITHIN THE DRIP-LINE OF TREES TO REMAIN, THE WORK SHALL BE PERFORMED AS FOLLOWS:
   - TRENCHING: WHEN TRENCHING OCCURS AROUND TREES TO REMAIN, THE TREE ROOTS SHALL NOT BE CUT, BUT THE TRENCH SHALL BE TUNNELED UNDER OR AROUND THE ROOTS BY CAREFUL HAND DIGGING AND WITHOUT INJURY TO THE ROOTS. NO ROOTS, LIMBS, OR WOODS ARE TO HAVE ANY PAINT OR MATERIAL APPLIED TO ANY SURFACE.
   - RAISING GRADES: WHEN THE GRADE AT AN EXISTING TREE IS BELOW THE NEW FINISHED GRADE, AND FILL NOT EXCEEDING 6 INCHES (6") IS REQUIRED, CLEAN, WASHED GRAVEL FROM ONE TO TWO INCHES (1" – 2") IN SIZE SHALL BE PLACED DIRECTLY AROUND THE TREE TRUNK. THE GRAVEL SHALL EXTEND OUT FROM THE TRUNK ON ALL SIDES A MINIMUM OF 18 INCHES (18") AND FINISH APPROXIMATELY TWO INCHES (2") ABOVE THE FINISH GRADE AT TREE. INSTALL GRAVEL BEFORE ANY EARTH FILL IS PLACED. NEW EARTH FILL SHALL NOT BE LEFT IN CONTACT WITH THE TRUNK OF ANY TREE REQUIRING FILL WHERE FILL EXCEEDING 6 INCHES (6") IS REQUIRED, A DRY LAID TREE WELL SHALL BE CONSTRUCTED. IF APPLICABLE, THESE WELL INSTALLATION SHALL BE IN ACCORDANCE WITH THE PROVIDED "TREE WELL DETAIL."
   - LOWERING GRADES: EXISTING TREES LOCATED IN AREAS WHERE THE NEW FINISHED GRADE IS TO BE LOWERED, SHALL HAVE RE-GRADING WORK DONE BY HAND TO THE INDICATED ELEVATION, NO GREATER THAN SIX INCHES (6"). ROOTS SHALL BE CUT CLEANLY THREE INCHES (3") BELOW FINISHED GRADE UNDER THE DIRECTION OF A LICENSED ARBORIST. WHERE CUT EXCEEDING 6 INCHES (6") IS REQUIRED, A DRY LAID RETAINING WALL SHALL BE CONSTRUCTED. IF APPLICABLE, THE RETAINING WALL INSTALLATION SHALL BE IN ACCORDANCE WITH THE PROVIDED "TREE RETAINING WALL DETAIL."

SOIL PREPARATION AND MULCH NOTES:

1. LANDSCAPE CONTRACTOR SHALL OBTAIN A SOIL TEST OF THE IN-SITU TOPSOIL BY A CERTIFIED SOIL LABORATORY PRIOR TO PLANTING. LANDSCAPE CONTRACTOR SHALL ALLOW FOR A TWO WEEK TURNAROUND TIME FROM SUBMITTAL OF SAMPLE TO NOTIFICATION OF RESULTS.
2. BASED ON SOIL TEST RESULTS, ADJUST THE RATES OF LIME AND FERTILIZER THAT SHALL BE MIXED INTO THE TOP SIX INCHES (6") OF TOPSOIL. THE LIME AND FERTILIZER RATES PROVIDED WITHIN THE "SEED SPECIFICATION" OR "SOD SPECIFICATION" IS APPROXIMATE AND FOR BIDDING PURPOSES ONLY. IF ADDITIONAL AMENDMENTS ARE NECESSARY, ADJUST THE TOPSOIL AS FOLLOWS:
   - MODIFY HEAVY CLAY OR SILT SOILS (MORE THAN 40% CLAY OR SILT) BY ADDING COMPOSTED PINE BARK (UP TO 30% BY VOLUME) OR GYPSUM.
   - MODIFY EXTREMELY SANDY SOILS (MORE THAN 85%) BY ADDING ORGANIC MATTER AND/OR DRY, SHREDDED CLAY LOAM UP TO 30% OF THE TOTAL MIX.
3. TOPSOIL SHALL BE FERTILE, FRIABLE, NATURAL TOPSOIL OF LOAMING CHARACTER, WITHOUT ADMIXTURE OF SUBSOIL MATERIAL OBTAINED FROM A WELL-DRAINED ARABLE SITE, FREE FROM ALL CLAY, LUMPS, COARSE SANDS, STONES, PLANTS, ROOTS, STICKS, AND OTHER FOREIGN MATERIAL GREATER THAN ONE INCH (1").
4. TOPSOIL SHALL HAVE A PH RANGE OF 5.0-7.0 AND SHALL NOT CONTAIN LESS THAN 6% ORGANIC MATTER BY WEIGHT.
5. OBTAIN TOPSOIL ONLY FROM LOCAL SOURCES OR FROM AREAS HAVING SIMILAR SOIL CHARACTERISTICS TO THAT FOUND AT THE PROJECT SITE.
6. CONTRACTOR SHALL PROVIDE A SIX INCH (6") DEEP LAYER OF TOPSOIL IN ALL PLANTING AREAS. TOPSOIL SHALL BE SPREAD OVER A PREPARED SURFACE IN A UNIFORM LAYER TO ACHIEVE THE DESIRED COMPACTED THICKNESS. THE SPREADING OF TOPSOIL SHALL NOT BE CONDUCTED UNDER MUDDY OR FROZEN SOIL CONDITIONS.
7. UNLESS OTHERWISE NOTED IN THE CONTRACT, THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF TOPSOIL AND THE ESTABLISHMENT OF FINE-GRADING WITHIN THE DISTURBED AREA OF THE SITE.
8. LANDSCAPE CONTRACTOR SHALL VERIFY THAT THE SUB-GRADE ELEVATION MEETS THE FINISHED GRADE ELEVATION (LESS THE REQUIRED TOPSOIL) IN ACCORDANCE WITH THE APPROVED OR FINAL GRADING PLAN.
9. ALL LAWN AND PLANTING AREAS SHALL BE GRADED TO A SMOOTH, EVEN AND UNIFORM PLANE WITH NO ABRUPT CHANGE OF SURFACE AS DEPICTED WITHIN THE APPROVED OR FINAL CONSTRUCTION SET UNLESS OTHERWISE DIRECTED BY THE PROJECT LANDSCAPE DESIGNER OR MUNICIPAL OFFICIAL.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER SURFACE AND SUBSURFACE PLANT BED DRAINAGE PRIOR TO THE INSTALLATION OF PLANTINGS. IF POOR DRAINAGE CONDITIONS EXIST, CORRECTIVE ACTION SHALL BE TAKEN PRIOR TO INSTALLATION. ALL PLANTING AND LAWN AREAS SHALL BE GRADED AND MAINTAINED TO ALLOW A FREE FLOW OF SURFACE WATER.
11. DOUBLE SHREDDED HARDWOOD MULCH OR APPROVED EQUAL SHALL BE USED AS A THREE INCH (3") TOP DRESSING IN ALL SHRUB PLANTING BEDS AND AROUND ALL TREES PLANTED BY LANDSCAPE CONTRACTOR. GROUND COVER, PERENNIAL, AND ANNUAL PLANTING BEDS SHALL BE MULCHED WITH A TWO INCH (2") TOP DRESSING. SINGLE TREES OR SHRUBS SHALL BE MULCHED TO AVOID CONTACT WITH TRUNK OR PLANT STEM. MULCH SHALL BE OF SUFFICIENT CHARACTER AS NOT TO BE EASILY DISPLACED BY WIND OR WATER RUNOFF.
12. WHENEVER POSSIBLE, THE SOIL PREPARATION AREA SHALL BE CONNECTED FROM PLANTING TO PLANTING.
13. SOIL SHALL BE LOOSENED WITH A BACKHOE OR OTHER LARGE COARSE-TILING EQUIPMENT UNLESS THE SOIL IS FROZEN OR EXCESSIVELY WET. TILING THAT PRODUCES LARGE, COARSE CLUMPS OF SOIL IS PREFERABLE TO TILING THAT RESULTS IN FINE GRAINS UNIFORM IN TEXTURE. AFTER THE AREA IS LOOSENED IT SHALL NOT BE DRIVEN OVER BY ANY VEHICLE.
14. APPLY PRE-EMERGENT WEED CONTROL TO ALL PLANT BEDS PRIOR TO MULCHING. ENSURE COMPATIBILITY BETWEEN PRODUCT AND PLANT MATERIAL.
15. ALL PLANTING SOIL SHALL BE AMENDED WITH THE FOLLOWING:

MYCRO® TREE SAVER - A DRY GRANULAR MYCORRHIZAL FUNGI INOCULANT THAT IS MIXED IN THE BACKFILL WHEN PLANTING TREES AND SHRUBS. IT CONTAINS SPORES OF BOTH ECTOMYCORRHIZAL AND VA MYCORRHIZAL FUNGI (VAM), BENEFICIAL RHIZOSPHERE BACTERIA, TERRA-SORB SUPERABSORBENT HYDROGEL TO REDUCE WATER LEACHING, AND SELECTED ORGANIC MICROBIAL NUTRIENTS.

- DIRECTIONS FOR USE: USE 3-OZ PER EACH FOOT DIAMETER OF THE ROOT BALL, OR 3-OZ PER INCH CALIPER. MIX INTO THE BACKFILL WHEN TRANSPLANTING TREES AND SHRUBS. MIX PRODUCT IN A RING-SHAPED VOLUME OF SOIL AROUND THE UPPER PORTION OF THE ROOT BALL, EXTENDING FROM THE SOIL SURFACE TO A DEPTH OF ABOUT 8 INCHES, AND EXTENDING OUT FROM THE ROOT BALL ABOUT 8 INCHES INTO THE BACKFILL. APPLY WATER TO SOIL SATURATION.
- MYCOR® TREE SAVER® IS EFFECTIVE FOR ALL TREE AND SHRUB SPECIES EXCEPT RHODODENDRONS, AZALEAS, AND MOUNTAIN LAUREL, WHICH REQUIRE ERICOID MYCORRHIZAE.
- SOIL PH: THE FUNGI IN THIS PRODUCT WERE CHOSEN BASED ON THEIR ABILITY TO SURVIVE AND COLONIZE PLANT ROOTS IN A PH RANGE OF 3 TO 9.
- FUNGICIDES: THE USE OF CERTAIN FUNGICIDES CAN HAVE A DETRIMENTAL EFFECT ON THE INOCULATION PROGRAM. SOIL APPLICATION OF ANY FUNGICIDE IS NOT RECOMMENDED FOR TWO WEEKS AFTER APPLICATION.
- OTHER PESTICIDES: HERBICIDES AND INSECTICIDES DO NOT NORMALLY INTERFERE WITH MYCORRHIZAL FUNGAL DEVELOPMENT, BUT MAY INHIBIT THE GROWTH OF SOME TREE AND SHRUB SPECIES IF NOT USED PROPERLY.

HEALTHY START MACRO TABS 12-8-8

- FERTILIZER TABLETS ARE PLACED IN THE UPPER 4 INCHES OF BACKFILL SOIL WHEN PLANTING TREES AND SHRUBS.
- TABLETS ARE FORMULATED FOR LONG-TERM RELEASE BY SLOW BIODEGRADATION, AND LAST UP TO 2 YEARS AFTER PLANTING. TABLETS CONTAIN 12-8-8 NPK FERTILIZER, AS WELL AS A MINIMUM OF SEVEN PERCENT (7%) HUMIC ACID BY WEIGHT, MICROBIAL NUTRIENTS DERIVED FROM SEA KELP, PROTEIN BYPRODUCTS, AND YUCCA SCHIDIGERA, AND A COMPLEMENT OF BENEFICIAL RHIZOSPHERE BACTERIA. THE STANDARD 21 GRAM TABLET IS SPECIFIED HERE. DIRECTIONS FOR USE: FOR PLANTING BALLED & BURLAPPED (B&B) TREES AND SHRUBS, MEASURE THE THICKNESS OF THE TRUNK, AND USE ABOUT 1 TABLET (21-G) PER HALF-INCH. PLACE THE TABLETS DIRECTLY NEXT TO THE ROOT BALL EVENLY DISTRIBUTED AROUND ITS PERIMETER, AT A DEPTH OF ABOUT 4 INCHES.

IRRIGATION DURING ESTABLISHMENT

SIZE AT PLANTING	IRRIGATION FOR VITALITY	IRRIGATION FOR SURVIVAL
< 2" CALIPER	DAILY FOR TWO WEEKS, EVERY OTHER DAY FOR TWO MONTHS, WEEKLY UNTIL ESTABLISHED	TWO TO THREE TIMES WEEKLY FOR TWO TO THREE MONTHS
2"-4 CALIPER	DAILY FOR ONE MONTH, EVERY OTHER DAY FOR THREE MONTHS, WEEKLY UNTIL ESTABLISHED	TWO TO THREE TIMES WEEKLY FOR THREE TO FOUR MONTHS
4 >" CALIPER	DAILY FOR SIX WEEKS, EVERY OTHER DAY FOR FIVE MONTHS, WEEKLY UNTIL ESTABLISHED	TWICE WEEKLY FOR FOUR TO FIVE MONTHS

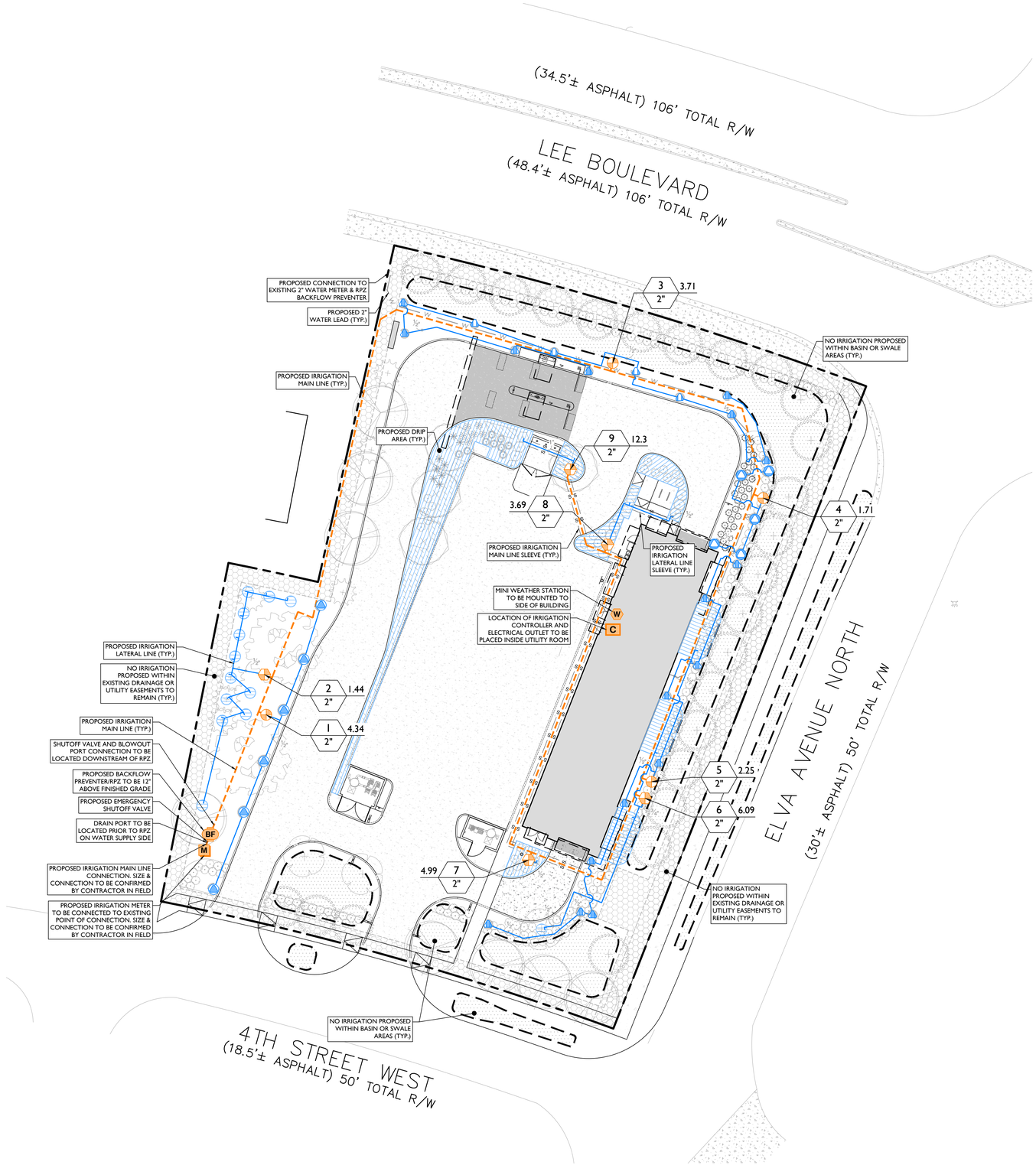
TABLE NOTES:
1. AT EACH IRRIGATION, APPLY TWO TO THREE GALLONS PER INCH TRUNK CALIPER TO THE ROOT BALL SURFACE. APPLY IT IN A MANNER SO ALL WATER SOAKS THE ENTIRE ROOT BALL. DO NOT WATER IF ROOT BALL IS WET/SATURATED ON THE IRRIGATION DAY.

2. WHEN IRRIGATING FOR VITALITY, DELETE DAILY IRRIGATION WHEN PLANTING IN WINTER OR WHEN PLANTING IN COOL CLIMATES. ESTABLISHMENT TAKES THREE TO FOUR MONTHS PER INCH TRUNK CALIPER. NEVER APPLY IRRIGATION IF THE SOIL IS SATURATED.

3. WHEN IRRIGATION FOR SURVIVAL, TREES TAKE MUCH LONGER TO ESTABLISH THAN REGULARLY IRRIGATED TREES. IRRIGATION MAY BE REQUIRED IN THE NORMAL HOT, DRY PORTIONS OF THE FOLLOWING YEAR.

PLANT QUALITY AND HANDLING NOTES:

1. ALL PLANT MATERIAL SHALL CONFORM TO THE AMERICAN STANDARD FOR NURSERY STOCK (ANSI Z60.1-2004) OR LATEST REVISION AS PUBLISHED BY THE AMERICAN NURSERY AND LANDSCAPE ASSOCIATION.
2. IN ALL CASES, BOTANICAL NAMES LISTED WITHIN THE APPROVED OR FINAL PLANT LIST SHALL TAKE PRECEDENCE OVER COMMON NAMES.
3. ALL PLANTS SHALL BE OF SELECTED SPECIMEN QUALITY, EXCEPTIONALLY HEAVY, TIGHTLY KNIT, SO TRAINED OR FAVORED IN THEIR DEVELOPMENT AND APPEARANCE AS TO BE SUPERIOR IN FORM, NUMBER OF BRANCHES, COMPACTNESS AND SYMMETRY. ALL PLANTS SHALL HAVE A NORMAL HABIT OR SOUND, HEALTHY, VIGOROUS PLANTS WITH WELL DEVELOPED ROOT SYSTEM. PLANTS SHALL BE FREE OF DISEASE, INSECT PESTS, EGGS OR LARVAE.
4. PLANTS SHALL NOT BE PRUNED BEFORE DELIVERY. TREES WITH ABRASION OF THE BARK, SUNSCALDS, DISFIGURING KNOTS OR FRESH CUTS OF LIMBS OVER ONE AND ONE-FOURTH INCHES (1-1/4") WHICH HAVE NOT COMPLETELY CALLOUSED SHALL BE REJECTED.
5. ALL PLANTS SHALL BE TYPICAL OF THEIR SPECIES OR VARIETY AND SHALL HAVE A NORMAL HABIT OF GROWTH AND BE LEGIBLY TAGGED WITH THE PROPER NAME AND SIZE.
6. THE ROOT SYSTEM OF EACH PLANT SHALL BE WELL PROVIDED WITH FIBROUS ROOTS. ALL PARTS SHALL BE SOUND, HEALTHY, VIGOROUS, WELL-BRANCHED AND DENSELY FOLIATED WHEN IN LEAF.
7. ALL PLANTS DESIGNATED BALL AND BURLAP (B&B) MUST BE MOVED WITH THE ROOT SYSTEM AS SOLID UNITS WITH BALLS OF EARTH FIRMLY WRAPPED WITH BURLAP. THE DIAMETER AND DEPTH OF THE BALLS OF EARTH MUST BE SUFFICIENT TO ENCOMPASS THE FIBROUS ROOT FEEDING SYSTEMS NECESSARY FOR THE HEALTHY DEVELOPMENT OF THE PLANT. NO PLANT SHALL BE ACCEPTED WHEN THE BALL OF EARTH SURROUNDING ITS ROOTS HAS BEEN BADLY CRACKED OR BROKEN PREPARATORY TO OR DURING THE PROCESS OF PLANTING. THE BALLS SHALL REMAIN INTACT DURING ALL OPERATIONS. ALL PLANTS THAT CANNOT BE PLANTED AT ONCE MUST BE HEELED-IN BY SETTING IN THE GROUND AND COVERING THE BALLS WITH SOIL OR MULCH AND THEN WATERING. HEMP BURLAP AND TWINE IS PREFERABLE TO TREATED. IF TREATED BURLAP IS USED, ALL TWINE IS TO BE CUT FROM AROUND THE TRUNK AND ALL BURLAP IS TO BE REMOVED.
8. PLANTS TRANSPORTED TO THE PROJECT IN OPEN VEHICLES SHALL BE COVERED WITH TARPS OR OTHER SUITABLE COVERS SECURELY FASTENED TO THE BODY OF THE VEHICLE TO PREVENT INJURY TO THE PLANTS. CLOSED VEHICLES SHALL BE ADEQUATELY VENTILATED TO PREVENT OVERHEATING OF THE PLANTS. EVIDENCE OF INADEQUATE PROTECTION FOLLOWING DIGGING, CARELESSNESS WHILE IN TRANSIT, OR HANDLING OR STORAGE SHALL BE CAUSE FOR REJECTION OF PLANT MATERIAL. ALL PLANTS SHALL BE KEPT MOIST, FRESH, AND PROTECTED. SUCH PROTECTION SHALL ENCOMPASS THE ENTIRE PERIOD DURING WHICH THE PLANTS ARE IN TRANSIT, BEING HANDLED, OR ARE IN TEMPORARY STORAGE.
9. ALL PLANT MATERIAL SHALL BE INSTALLED IN ACCORDANCE WITH THE CORRESPONDING LANDSCAPE PLAN AND PLANTING DETAILS.
10. LANDSCAPE CONTRACTOR SHALL MAKE BEST EFFORT TO INSTALL PLANTINGS ON THE SAME DAY AS DELIVERY. IF PLANTS ARE NOT PLANTED IMMEDIATELY ON SITE, PROPER CARE SHALL BE TAKEN TO PLACE THE PLANTINGS IN PARTIAL SHADE WHEN POSSIBLE. THE ROOT BALL SHALL BE KEPT MOIST AT ALL TIMES AND COVERED WITH MOISTENED MULCH OR ADDED WOODCHIPS. PROPER IRRIGATION SHALL BE SUPPLIED SO AS TO NOT ALLOW THE ROOT BALL TO DRY OUT. PLANTINGS SHALL BE UNTIED AND PROPER SPACING SHALL BE ALLOTTED FOR AIR CIRCULATION AND TO PREVENT DISEASE, WILTING, AND LEAF LOSS. PLANTS THAT REMAIN UNPLANTED FOR A PERIOD OF TIME GREATER THAN THREE (3) DAYS SHALL BE HEALED IN WITH TOPSOIL OR MULCH AND WATERED AS REQUIRED TO PRESERVE ROOT MOISTURE.
11. NO PLANT MATERIAL SHALL BE PLANTED IN MUDDY OR FROZEN SOIL.
12. PLANTS WITH INJURED ROOTS OR BRANCHES SHALL BE PRUNED PRIOR TO PLANTING UTILIZING CLEAN, SHARP TOOLS. ONLY DISEASED OR INJURED PLANTS SHALL BE REMOVED.
13. IF ROCK OR OTHER UNDERGROUND OBSTRUCTION IS ENCOUNTERED, THE LANDSCAPE DESIGNER RESERVES THE RIGHT TO RELOCATE OR ENLARGE PLANTING PITS OR DELETE PLANT MATERIAL FROM THE CONTRACT.
14. IF PLANTS ARE PROPOSED WITHIN SIGHT TRIANGLES, TREES SHALL BE LIMBED AND MAINTAINED TO A HEIGHT OF EIGHT FEET (8') ABOVE GRADE, AND SHRUBS, GROUND COVER, PERENNIALS, AND ANNUALS SHALL BE MAINTAINED TO A HEIGHT NOT TO EXCEED TWO FEET (2') ABOVE GRADE UNLESS OTHERWISE NOTED OR SPECIFIED BY THE GOVERNING MUNICIPALITY OR AGENCY.
15. INSTALLATION SHALL OCCUR DURING THE FOLLOWING SEASONS:
    PLANTS (MARCH 15 - DECEMBER 15)
    LAWNS (MARCH 15 - JUNE 15 OR SEPTEMBER 1 - DECEMBER 1)
16. THE FOLLOWING TREES ARE SUSCEPT



Z:\PROJECTS\2025\TAM-250036 EL CAR WASH - 3701 LEE BOULEVARD, LEHIGH ACRES, FL\CAD\PLOTS\PDF-11-14.DWG

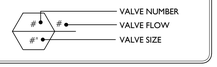
IRRIGATION SYSTEM RUNS ARE DESIGNED TO MAXIMUM 20 GALLONS PER MINUTE. IRRIGATION SYSTEM PRESSURE AND AVAILABLE GALLONS PER MINUTE TO BE CONFIRMED BY MEP ENGINEER.

IRRIGATION SYSTEM DEMAND TO BE CONTRACTOR RESPONSIBILITY. CONTRACTOR TO CONFIRM LOAD DEMANDS AND CONNECTION DESIGN BY MEP ENGINEER.

UNDER NO CIRCUMSTANCE SHALL THE IRRIGATION SYSTEM CONNECTION BE INSTALLED DOWNSTREAM FROM A WATER SOFTENER SYSTEM.

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

VALVE CALLOUT



IRRIGATION ZONE SUMMARY

ZONE	DEMAND (GPM)
1	4.34 GPM
2	1.44 GPM
3	3.71 GPM
4	1.71 GPM
5	2.25 GPM
6	6.09 GPM
7	4.99 GPM
8	3.69 GPM
9	12.30 GPM

IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL	QTY	ARC	PSI	GPM	RADIUS
	HUNTER MP STRIP PROS-04-PRS40-CV LCS	8	LCS	50	0.25	6'x18'
	HUNTER MP STRIP PROS-04-PRS40-CV RCS	9	RCS	50	0.25	6'x18'
	HUNTER MP STRIP PROS-04-PRS40-CV SS	4	SST	50	0.49	6'x36'
	HUNTER MP1000 PROS-04-PRS40-CV M	5	90-210	50	-	14'
	HUNTER MP2000 PROS-04-PRS40-CV K	6	90-210	50	-	21'
	AREA TO RECEIVE DRIPLINE HUNTER HDL-06-12-CV	2,485 LF	-	40	-	-
	HUNTER ICV-G 2"	5	-	-	-	-
	HUNTER PGV-201 ANGLE 2"	4	-	-	-	-
BF	FEBCO 825Y 2"	1	-	-	-	-
C	HUNTER P2C-400 W/ (01) PCM-300 & (01) PCM-1600	1	-	-	-	-
W	HUNTER MWS-FR	1	-	-	-	-
M	WATER METER (SIZE TO BE CONFIRMED IN FIELD)	1	-	-	-	-
	IRRIGATION LATERAL LINE: PVC SCHEDULE 40 (AS LABELED)	1,062 LF	-	-	-	-
	IRRIGATION MAINLINE: PVC SCHEDULE 40	752 LF	-	-	-	-
SS SS SS	PIPE SLEEVE: PVC CLASS 200 SDR 21	180 LF	-	-	-	-

IRRIGATION NOTES:

1. SYSTEM WAS DESIGNED TO ASSUMED 50 PSI (PRESSURE AVAILABLE: 47.8 PSI), 2" SERVICE LINE, METER (SIZE TO BE CONFIRMED IN FIELD) AND 20 GALLONS PER MINUTE AND LOAM TYPE SOILS. ALTERATIONS MAY BE NEEDED BASED ON SITE CONDITIONS.
2. SYSTEM RUNS ARE DESIGNED TO MAXIMUM 20 GALLONS PER MINUTE.
3. AVAILABLE GALLONS PER MINUTE DEMAND TO BE DETERMINED BY MEP ENGINEER AND COORDINATED BY CONTRACTOR.
4. A FLOW TEST SHALL BE PREFORMED ON SITE PRIOR TO INSTALLATION TO CONFIRM STATIC PSI.
5. APPROVED ALTERNATES TO BE SUBMITTED AND APPROVED.
6. 1" RPZ BACKFLOW PREVENTOR TO BE INSTALLED AS PER LOCAL PLUMBING CODES.
7. MAIN LINE PIPE AND WIRE TO BE TRENCHED 18" BELOW FINISH GRADE. BACKFILL MATERIAL SHALL BE FREE OF ALL ROCKS, TAMP TO 95% COMPACTION IN 6" LIFTS. ALL GRADING OVER THE IRRIGATION LINES SHALL BE FLUSH WITH THE ADJACENT SOIL AND BE FREE OF ROCKS AND DEBRIS. LATERAL PIPE TO BE 12" BELOW FINISH GRAD. TAMP AND RAKE FLOWED AREAS. REMOVE ANY LARGE ROCKS AND FILL ANY VOIDS.
8. IRRIGATION CONTRACTOR IS RESPONSIBLE FOR COORDINATING EXISTING UTILITY LOCATIONS WITH THE "CALL BEFORE YOU DIG" SERVICE AND SITE SUBCONTRACTORS.
9. ALL ELECTRIC ZONE VALVES TO BE PLACED BELOW GRADE IN APPROPRIATELY SIZED VALVE BOXES AND WITHIN MULCHED BEDS.
10. CONTRACTOR TO SUPPLY 100% COVERAGE GUARANTEE.
11. LOCATION OF CONTROLLER, BACKFLOW DEVICE, MASTER VALVE AND RAIN SENSOR ARE CONCEPTUAL. ACTUAL LOCATION TO BE DETERMINED ON SITE BASED UPON EXISTING CONDITIONS.
12. ALL PROPOSED LANDSCAPING TO IRRIGATED BY A 100% AUTOMATIC SYSTEM.
13. IRRIGATION SYSTEM SHALL NOT BE INSTALLED THROUGH EXISTING PLANT COMMUNITIES.
14. IRRIGATION SPRINKLER ZONES TO BE SEPARATE FOR HIGH AND LOW WATER REQUIREMENT PLANT AREAS AND OPERATED ON DIFFERENT WATERING SCHEDULES.
15. IRRIGATION OVERTHROW TO NON-PERVIOUS AND NATURAL AREAS TO MINIMIZED.
16. A RAIN SENSOR IS TO BE INSTALLED WITH THE IRRIGATION SYSTEM CONTROLLER.
17. IRRIGATION PIPING TO BE LOCATED WITHIN PLANTING OR SOD AREAS WHEREVER FEASIBLE. PIPING UNDER ROADS TO BE INSTALLED WITHIN SCHEDULE 40 PVC SLEEVE.
18. ALL TREE, SHRUB, AND GROUNDCOVER AREAS ARE TO BE FULLY IRRIGATED WITH DRIP /MICRO IRRIGATION, LOW-VOLUME EMITTERS. ALL SOD AREAS TO BE IRRIGATED WITH ROTOR OR SPRAY HEAD SPRINKLERS SPACED TO PROVIDE 100% COVERAGE.
19. A "Y" TYPE FILTER SHALL BE INSTALLED AT THE HEAD END OF LOW VOLUME LINES AND IN-LINE PRESSURE REGULATORS TO REDUCE PRESSURE NO MORE THAN 15 PSI SHALL BE UTILIZED.
20. WHEN NECESSARY, IRRIGATION INSTALLATION WITHIN THE DRIPLINE/CANOPY OF EXISTING TREES SHOULD BE DONE IN THE MOST SENSITIVE MANNER POSSIBLE IN ORDER TO AVOID ROOT DAMAGE. PROPOSED IRRIGATION WITHIN THE DRIPLINE/CANOPY SHOULD BE 'MICRO-SPRAY' LOCATED ABOVE EXISTING GRADE.
21. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE COMPLETE DESIGN AND CONSTRUCTION OF AN IRRIGATION SYSTEM FOR THE PROJECT, INCLUDING ALL PIPING, VALVES, HEADS, SLEEVES, AND WIRING. THE CONTRACTOR SHALL ALSO PERMIT AND PROVIDE AN IRRIGATION WELL AND CONTROLLER SYSTEM INCLUDING ALL NECESSARY POWER. THE SYSTEM SHALL BE DESIGNED TO SUPPLY SUFFICIENT IRRIGATION TO ALL PLANTING AREAS ACROSS THE ENTIRE SITE TO SUPPORT THE GROWTH AND MAINTENANCE OF THE LANDSCAPING. THE CONTRACTOR SHALL SUBMIT TO THE LANDSCAPE ARCHITECT, AS SHOP DRAWING, THE DETAILED LAYOUT OF THE SYSTEM FOR REVIEW AND APPROVAL BY THE LANDSCAPE ARCHITECT.
22. THE BACKFLOW PREVENTER SHALL BE THAT OF AN ASSE 1013 APPROVED REDUCED PRESSURE ZONE ASSEMBLY (RPZ). THE ASSEMBLY MUST BE INSTALLED A MINIMUM OF 12-INCHES ABOVE FINISHED GRADE MEASURED FROM THE BOTTOM OF THE RELIEVE VALVE.
23. THE ASSEMBLY MUST BE INSTALLED BY A LICENSED PLUMBER. AFTER INSTALLATION, THE NEW ASSEMBLY MUST BE TESTED BY A LICENSED PLUMBER WHO ALSO IS ASSE 5110 CERTIFIED TO TEST.

20' 0' 20' 40'
GRAPHIC SCALE IN FEET
1" = 20'

ISSUE	DATE	BY	DESCRIPTION
8	04/22/2026	GPG	FOR CHSID RESUBMISSION
7	03/27/2026	GPG	FOR COUNTY SUBMISSION
6	02/20/2026	GPG	FOR COUNTY SUBMISSION - ADMINISTRATIVE VARIANCE
5	01/23/2026	GPG	LANDSCAPE PLAN REVIEW
4	11/26/2025	GPG	FOR COUNTY RESUBMISSION - DOT
3	08/14/2025	GPG	FOR COUNTY SUBMISSION
3	07/10/2025	GPG	FOR 90% CLIENT REVIEW
2	06/27/2025	KGR	FOR 60% CLIENT REVIEW
1	06/13/2025	GPG	FOR CLIENT REVIEW

NOT APPROVED FOR CONSTRUCTION

STONEFIELD engineering & design
Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com
One Harbour Place, Suite 250, 777 S Harbour Island Blvd.
Tampa, FL 33602
Phone 813.793.2200

SITE DEVELOPMENT PLANS

CAR WASH FLORIDA

LEHIGH ACRES
PROPOSED CARWASH

PARCEL ID: 25-44-26-05-00063.0100 & 25-44-26-05-00063.0120
3701 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

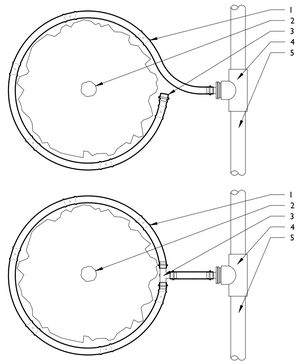
PAUL DEVITTO, L.L.A.
FLORIDA LICENSE No. LA6667607
LICENSED LANDSCAPE ARCHITECT

STONEFIELD engineering & design

SCALE: 1" = 20' | PROJECT ID: TAM-250036

TITLE: **IRRIGATION PLAN**

DRAWING: **C-13**



LEGEND:

1. PROFESSIONAL LANDSCAPE DRIPLINE PER PLAN
2. TREE (SEE PLANTING PLAN)
3. PLD OR OLD-LOC FITTING TYP.
4. PVC TO DROP LINE TUBING CONNECTION (PLD OR PLD-LOC FITTINGS) TYP.
5. PVC LATERAL LINE

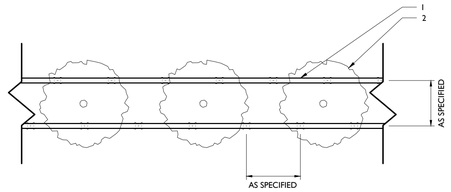
NOTES:

1. AIR RELIEF VALVE (PLD-AVR) INSTALLED IN VALVE BOX AT OPTIMAL HIGHEST POINT FROM CONTROL ZONE KIT. MULTIPLE IAR RELIEF VALVES MAY BE NEEDED TO ACCOMODATE DIFFERENCES IN GRADE.
2. ECO-INDICATOR TO BE INSTALLED AT OPTIMAL FURTHEST POINT FROM CONTROL ZONE KIT TO ALLOW FOR MAXIMUM DEBRIS FLUSH IN SYSTEM.
3. FLUSH POINT TO BE INSTALLED AT OPTIMAL FURTHEST POINT FROM CONTROL ZONE KIT TO ALLOW FOR MAXIMUM DEBRIS FLUSH IN SYSTEM.

DRIPLINE - TREE RING

Hunter HM.HDL.09 NOT TO SCALE

1



LEGEND:

1. HUNTER DRIPLINE (HDL) PER PLAN
2. HEDGE ROW (SEE LANDSCAPING PLAN)

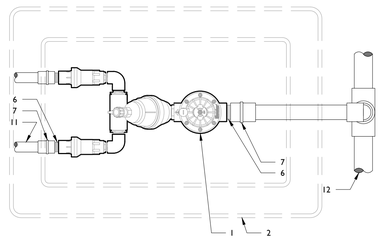
NOTES:

1. TRIANGULATE EMITTERS TO MAXIMIZE COVERAGE

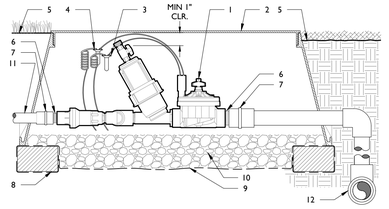
DRIPLINE - HEDGE ROW

Hunter HM.HDL.11 NOT TO SCALE

2



PLAN VIEW



SECTION VIEW

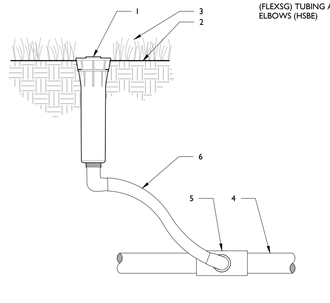
LEGEND:

1. HUNTER REMOTE CONTROL VALVE (ICZ) WITH FILTER REGULATOR
2. IRRIGATION VALVE BOX: HEAT STAMP LID WITH 'RCV' IN 2" LETTERS
3. WATERPROOF CONNECTORS (2)
4. 18"-24" COILED WIRE TO CONTROLLER
5. FINISH GRADE AT ADJACENT SURFACE (TURF OR MULCH)
6. SCH. 80 CLOSE NIPPLE, MATCH SIZE TO VALVE
7. PVC ADAPTOR SLIP X FPT
8. BRICK SUPPORTS (4)
9. FILTER FABRIC - WRAP TWICE AROUND BRICK SUPPORTS
10. 3/4" WASHED GRAVEL - 4" MIN. DEPTH
11. IRRIGATION LATERAL
12. MAINLINE LATERAL AND FITTINGS

DRIP CONTROL ZONE KIT (ICZ-151)

Hunter V.ICZ.09 NOT TO SCALE

3



LEGEND:

1. HUNTER POP-UP BODY
   PROS-04: NOZZLE AND CAP PER PLAN
2. FINISHED GRADE
3. ADJACENT LANDSCAPE
4. LATERAL PIPE PER PLAN
5. LATERAL FITTING PER PLAN
6. FIELD BUILT SWIM ARM WITH (FLEXSG) TUBING AND SPIRAL ELBOWS (HSBE)

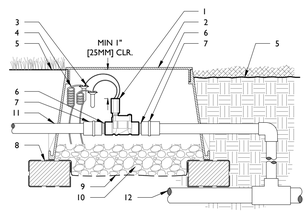
POP-UP BODY (PROS-04)

NOT TO SCALE

4

LEGEND:

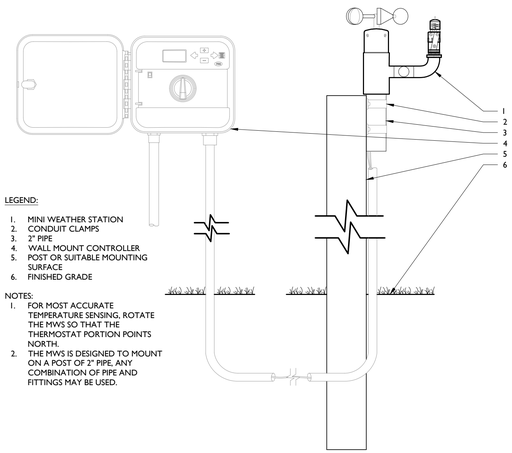
1. HUNTER REMOTE CONTROL VALVE (PGV)
2. IRRIGATION VALVE BOX: HEAT STAMP LID WITH 'RCV' IN 2" LETTERS
3. WATERPROOF CONNECTORS (2)
4. 18"-24" COILED WIRE TO CONTROLLER
5. FINISH GRADE AT ADJACENT SURFACE (TURF OR MULCH)
6. SCH. 80 CLOSE NIPPLE, MATCH SIZE TO VALVE
7. PVC SLIP X FPT ADAPTOR
8. BRICK SUPPORTS (4)
9. FILTER FABRIC - WRAP TWICE AROUND BRICK SUPPORTS
10. 3/4" WASHED GRAVEL - 4" MIN. DEPTH
11. IRRIGATION LATERAL
12. MAINLINE AND FITTINGS



IN-LINE VALVE (PGV-100G)

Hunter V.PGV.01 NOT TO SCALE

5



LEGEND:

1. MINI WEATHER STATION
2. CONDUIT CLAMPS
3. 2" PIPE
4. WALL MOUNT CONTROLLER
5. POST OR SUITABLE MOUNTING SURFACE
6. FINISHED GRADE

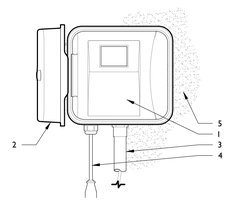
NOTES:

1. FOR MOST ACCURATE TEMPERATURE SENSING, ROTATE THE MWS SO THAT THE THERMOSTAT PORTION POINTS NORTH.
2. THE MWS IS DESIGNED TO MOUNT ON A POST OF 2" PIPE, ANY COMBINATION OF PIPE AND FITTINGS MAY BE USED.

MINI WEATHER STATION WITH GENERIC MOUNT CONTROLLER

Hunter S.MWS.01 NOT TO SCALE

6



LEGEND:

1. HYDRAWISE PRO-C CONTROLLER (HPC), PLASTIC ENCLOSURE, INDOOR OR OUTDOOR WALL MOUNT, PER PLAN
2. PLASTIC CONTROLLER HOUSING DOOR
3. IRRIGATION CONTROL WIRE IN CONDUIT TO PLANTER. SIZE AND TYPE PER LOCAL CODES.
4. STANDARD CABLE & PLUG FOR CONNECTION TO GROUNDED POWER RECEPTACLE
5. SURFACE TO MOUNT CONTROLLER PER PLAN

NOTES:

1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. CONTROLLER ACCEPTS 120 VOLTS A.C. OR 230 VOLTS A.C. (INTERNATIONAL MODEL). PLUG INTO A GROUNDED POWER SOURCE.
3. SEE PLAN LEGEND FOR MODEL NUMBER AND SPECIFICATIONS.
4. ALWAYS REFER TO PRODUCT INSTALLATION NOTES PRIOR TO INSTALLATION.
5. MOUNT CONTROLLER LCD SCREEN AT CONVENIENT EYE LEVEL WITHIN AN ACCESSIBLE AREA.

HYDRAWISE PRO-C CONTROLLER

Hunter C.HPC.01 NOT TO SCALE

7

Job Name _____ Contractor _____

Job Location _____ Approval _____

Engineer _____ Contractor's P.O. No. _____

Approval _____ Representative _____

Series 825Y

Reduced Pressure Zone Assemblies

Size: ¾" - 2" (20mm - 50mm)

The FEBCO Series 825Y Reduced Pressure Zone Assemblies are used to protect against high hazard (toxic) fluids in water services to industrial plants, hospitals, morgues, mortuaries, and chemical plants. They are also used in irrigation systems, boiler feed, water lines and other installations requiring maximum protection.

Features

- Ultimate mechanical protection of potable water, against hazards of cross-connection contamination.
- Approved by the Foundation for Cross-Connection Control and Hydraulic Research at the University of Southern California.
- Modular relief valve for ease of maintenance.
- Simple Service procedures. All internal parts serviceable in line, without tools.
- Spring loaded "V" type check valves.
- Intense relief valves pressure sensing passages.
- Replaceable seat rings on all sizes.
- End connections - NPT, ANSI / ASME, B1.20.1

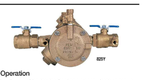
Specifications

The reduced pressure zone assembly shall consist of two independently operating, spring loaded, "V" pattern check valves and one hydraulically dependent differential relief valve. The assembly shall automatically reduce the pressure in the "zone" between the check valves to at least 2psi lower than inlet pressure. Should the differential between the upstream and the zone of the unit drop to 2psi, the differential relief valve shall open and discharge to the atmosphere.

Stainless valve body and cover including relief valve body and cover shall be bronze. Check valve moving member shall be center stem guided. All hydraulic sensing passages shall be internally located within the mainline and relief valve bodies and relief valve cover. Relief valve shall be of the differential type. Relief valve shall also have a removable seat ring. Check valves and relief valve components shall be constructed so they may be serviced without removing the valve body from the line. All seat discs shall be reversible. Shutoff valves and ball cocks shall be full ported ball valves.

The assembly shall be rated to 175psi (12.1 bar) working pressure and water temperature range from 32°F to 140°F (0°C - 60°C).

The assembly shall meet the requirements of ASSE Standard 1013, AWWA Standard Code C511, CSA Standard B64.4, and approved by the Foundation for Cross-Connection Control & Hydraulic Research at the University of Southern California.



Operation

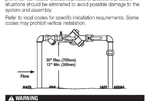
In a flow condition the check valves are open with the pressure between the checks, called the zone, being maintained at least 6.0psi lower than the inlet pressure and the relief valve is maintained closed.

Should abnormal conditions arise under no flow or reversal of flow, the differential relief valve will open and discharge to maintain the zone at least 2psi lower than the supply.

Refer to local codes for specific installation requirements. Some codes may prohibit vertical installation.

Typical Installation

Reduced pressure zone assemblies should be installed with minimum clearance of 12" (300mm) between relief valve discharge port and floor or grade. They must be installed where discharge will not be objectionable and can be positively drained away. They should be installed where easily accessible for testing and maintenance. Do not install in a pit where flooding may occur. Water expansion and/or water hammer downstream of the backflow preventer can cause excessive pressure. Excessive pressure situations should be eliminated to avoid possible damage to the system and assembly.



FEBCO
A WATTS Brand

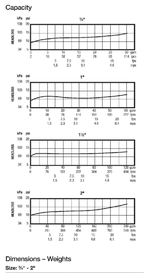
FEBCO and LEGEND are trademarks in U.S. and many valid and marks are a pseudonyms and are provided for reference only. For precise nexus and words, please contact 1720 Technical Services. 1720 reserves the right to change or modify product design, construction, specifications, or materials and to discontinue without notice. Installation must be in accordance with local codes and ordinances. Failure to install, maintain, and use this product in accordance with this manual and applicable codes, ordinances and good plumbing practices may result in property damage, injury or death. Read installation, operating and maintenance instructions thoroughly before installing or using this product. For more information, access FEBCO online at www.febco.com or call your local representative listed in the yellow pages. In the absence of a representative, call the factory at 714-871-4848.

FEBCO - MODEL 825 RPZ SERVICE INSTRUCTIONS

NOT TO SCALE

8

Capacity



Dimensions – Weights

Size: ¾" - 2"

SIZE	DIMENSIONS							WEIGHT
	A		B*		C	D	E	
	mm	in	mm	in	mm	mm	mm	kg
¾"	229	9	89	3½	89	51	114	3.2
1"	229	9	89	3½	89	51	114	3.2
1¼"	267	10½	89	3½	89	51	114	3.6
1½"	267	10½	89	3½	89	51	114	3.6
2"	267	10½	89	3½	89	51	114	3.6

* Dimension is less shutoffs

NOTICE

Weights shown are approximate. Dimensions shown are nominal, allowance must be made for normal manufacturing tolerances.

Temperature – Pressure

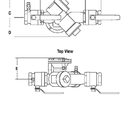
Maximum working pressure: 175psi (12.1 bar)
Hydrostatic test pressure: 350psi (24.1 bar)
Temperature range: 32°F to 140°F (0°C to 60°C)

Materials

Main valve body:	Bronze
Relief valve body:	Bronze
Elastomers:	Nitrile Seat Discs
Diaphragms:	Nitrile, fabric reinforced
Springs:	Stainless Steel

Approvals – Standards

- Approved by the Foundation for Cross-Connection Control and Hydraulic Research at the University of Southern California.
- AWWA C511 Conformance



FEBCO
A WATTS Brand

USA: tel (800) 767-9234 • fax (800) 788-1401 • in.USCO@watts.com
Canada: Tel: (905) 326-4290 • Fax: (905) 332-7068 • in.CSCO@watts.ca
Latin America: (55) 81 1551 8800 • Fax: (55) 81 8000 1363 • in.MTY@watts.com

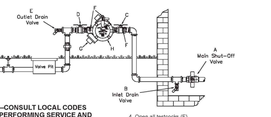
IES-F 825Y 1410

© 2017 FEBCO

FREEZE PROTECTION MODEL 825Y

FEBCO
An SPX Process Equipment Operation

Reduced Pressure Assembly
Draining Procedure for Freeze Protection



WARNING—CONSULT LOCAL CODES PRIOR TO PERFORMING SERVICE AND DRAINING PROCEDURES!

Damage from freezing will be costly. FEBCO products are not warranted against freeze damage. The following instructions will protect against freezing of reduced pressure principle devices.

FREEZE PROTECTION GUIDELINES

Backflow prevention assemblies must be protected against freezing for the winter in areas where freezing temperatures may occur. If the water inside the assembly freezes, damage to the assembly and the system may occur. Proper draining, insulation using heat tape and heated protective enclosures are all acceptable methods of freeze protection.

When draining an assembly to prevent freezing, several important points must be remembered:

1. The assembly cannot be adequately drained through the testcocks. For proper draining follow the instructions detailed in the Drain Procedure section below.
2. Drain valves must be added on the inlet and outlet sides of the assembly, below the assembly (and preferably below the freeze line if the remainder of the system is to be drained).

DRAIN PROCEDURE

1. Close the main shut-off valve (A).
2. Open the inlet drain (B).
3. Open the inlet and outlet ball valves (C & D) 45° degrees (half open, half closed).
4. Open all testcocks (F)
5. Open the outlet drain (E).
6. Loosen the cover on the # 2 check valve (G) until all water drains.
7. Loosen the cover on the relief valve (H) to allow water on both sides of the diaphragm to drain.
8. If you "blowout" the piping downstream of the backflow assembly using compressed air.
   - Connect the air supply to the outlet drain (E) and close the outlet ball valve (D).
   - After clearing the system with air, partially open the outlet ball valve (D).
   - Leave all drain valves (E & B), testcocks (F) and ball valves (C & D) in a half open, half closed position for the winter. (See ball valve freeze protection instructions for more details.)
   - Make sure the main shut-off valve (A) remains closed and does not leak.

SPRING "START-UP" PROCEDURE

When there is no more chance of freeze damage:

1. Close all drain valves (E & B), testcocks (F) and ball valves (C & D).
2. Retighten the relief valve cover (H), then slowly open the main shut-off valve (A) and the inlet ball valve (C).
3. Slightly open, then close, all testcocks (F) one at a time to empty air from the device.
4. Slowly open the outlet ball valve (D) and refill the system.

FEBCO Backflow Prevention
A Watts Regulator Company
3616 South Willow • Fresno, CA 93725
Email: febco@processequipment.spx.com • www.spxpe.com • www.FEBCOonline.com

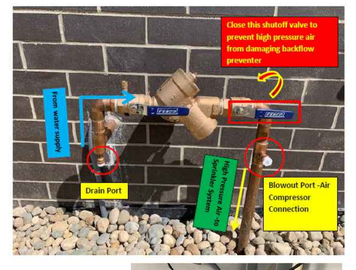
SPX Process Equipment
ISO 9001 Certified

SSFF0001 0999 Copyright 2015

FEBCO - MODEL 825Y RPZ SERVICE INSTRUCTIONS

NOT TO SCALE

9





TYPICAL RPZ ASSEMBLY

NOT TO SCALE

10

ISSUE	DATE	BY	DESCRIPTION
8	04/22/2026	GPG	FOR CMSID RESUBMISSION
7	03/27/2026	GPG	FOR COUNTY SUBMISSION
6	02/20/2026	GPG	FOR COUNTY SUBMISSION - ADMINISTRATIVE VARIANCE
5	01/23/2026	GPG	LANDSCAPE PLAN REVIEW
4	11/26/2025	GPG	FOR COUNTY RESUBMISSION - DOT
3	08/14/2025	GPG	FOR COUNTY SUBMISSION
3	07/10/2025	GPG	FOR 90% CLIENT REVIEW
2	06/27/2025	KGR	FOR 60% CLIENT REVIEW
1	06/13/2025	GPG	FOR CLIENT REVIEW

NOT APPROVED FOR CONSTRUCTION

STONEFIELD engineering & design
Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com
One Harbour Place, Suite 250, 777 S Harbour Island Blvd.
Tampa, FL 33602
Phone 813.793.2200

SITE DEVELOPMENT PLANS

CAR WASH FLORIDA

LEHIGH ACRES
PROPOSED CARWASH

PARCEL ID: 23-44-26-00-00063.0100 & 23-44-26-00-00063.0120
2301 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

PAUL DEVITTO, L.L.A.
FLORIDA LICENSE No. LA6667607
LICENSED LANDSCAPE ARCHITECT

STONEFIELD engineering & design

SCALE: AS SHOWN | PROJECT ID: TAM-250036

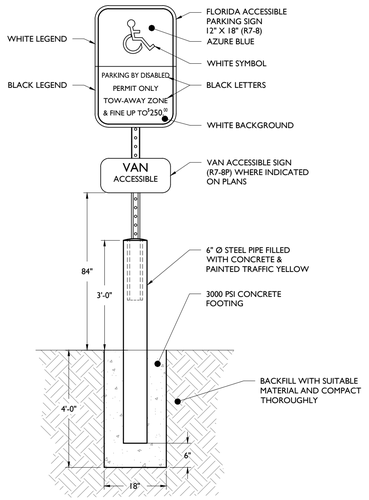
TITLE:

IRRIGATION DETAILS

DRAWING:

C-14

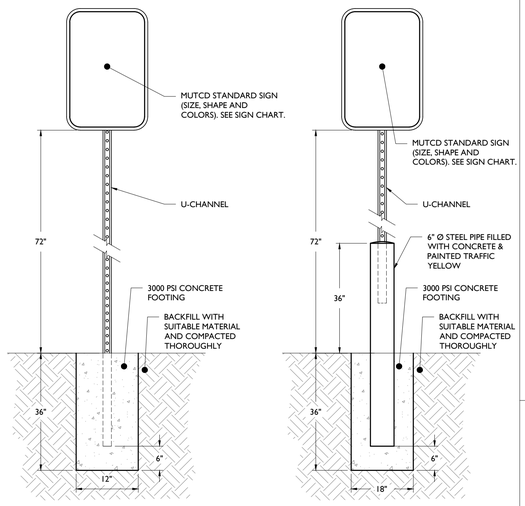
Z:\TAMPA\TAM\2025\TAM-250036 (E. CAR WASH - 2301 LEE BOULEVARD, LEHIGH ACRES, FL)\CAD\PLOTTED\P-13-IRRIGDWG



ACCESSIBLE PARKING SIGN WITH BOLLARD DETAIL

NOT TO SCALE

1



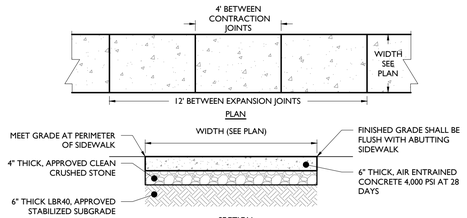
M.U.T.C.D. NUMBER	TEXT	COLOR		SIZE OF SIGN (WIDTH X HEIGHT)	TYPE OF MOUNT
		LEGEND	BACKGROUND		
STOP SIGN (R1-1)	STOP	RED	WHITE	36"x36"	GROUND
DO NOT ENTER (R5-1)	DO NOT ENTER	RED	WHITE	30"x30"	GROUND

NOTE:
1. ALL SIGNS SHALL BE IN ACCORDANCE WITH THE FEDERAL HIGHWAY ADMINISTRATION (FHWA) MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), EXCEPT AS NOTED.
2. ALL SIGNS SHALL BE MOUNTED AS TO NOT OBSTRUCT THE SHAPE OF "STOP" (R1-1) AND "YIELD" (R1-2) SIGNS.

SIGN POST & POST W/ BOLLARD DETAIL & SIGN DATA TABLE

NOT TO SCALE

2

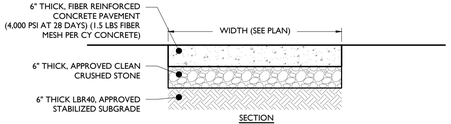


CONCRETE WALKWAY DETAIL

NOT TO SCALE

NOTES:
1. MAXIMUM CROSS SLOPE SHALL BE ¼" PER FOOT.
2. ½" EXPANSION JOINTS SHALL BE PROVIDED AT 12' INTERVALS WITH PRE-MOLDED, BITUMINOUS JOINT FILLER, RECESSED ¼" FROM THE SURFACE.
3. 1" DEEP BY ½" WIDE, TOOLED CONTRACTION JOINTS SHALL BE PROVIDED AT 4' INTERVALS.
4. EXPANSION JOIN SHALL BE PROVIDED WHERE ADJACENT TO A BUILDING.

3

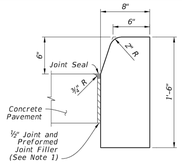


REINFORCED 6" CONCRETE PAVEMENT

NOT TO SCALE

NOTES:
1. ½" EXPANSION JOINTS WITH WATER SEAL SHALL BE PROVIDED AT 12' INTERVALS WITH PRE-MOLDED, BITUMINOUS JOINT FILLER, RECESSED ¼" FROM THE SURFACE. LONGITUDINAL REBAR TO BE CUT AT EXPANSION JOINTS.
2. 1" DEEP BY ½" WIDE, TOOLED CONTRACTION JOINTS SHALL BE PROVIDED AT MID-POINT BETWEEN EXPANSION JOINTS OR 6' INTERVALS MAX.
3. CONCRETE SHALL RECEIVE BROOM FINISH.
4. ALL EXPOSED CORNERS TO HAVE 12" CHAMFER.

4



NOTE: For use adjacent to concrete or flexible pavement, concrete shown.

TYPE D

NOTES:

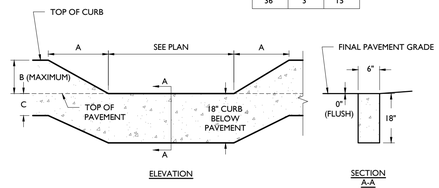
1. *For Type A, Type B, and Type D Curb: Expansion joint, preformed joint filler and joint seal are required between curbs and concrete pavement only, see Sheet 3.*
2. *For Type E, Type F, Drop Curb, and Valley Gutter: When used on high side of roadways, match the cross slope of the gutter to the cross slope of the adjacent pavement. The thickness of the lip is 6", unless otherwise shown on Plans.*
3. *For Type RA, rotate entire section so that gutter cross slope matches slope of adjacent circulating roadway pavement.*
4. *For details depicting usage of Type A Curb adjacent to flexible pavement see Sheet 3.*

FDOT 'TYPE D' CONCRETE CURB

NOT TO SCALE

5

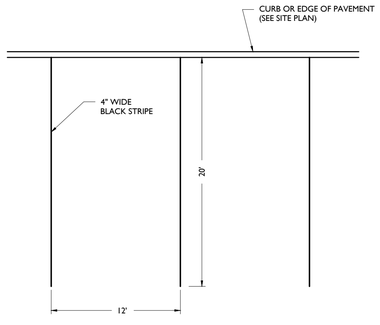
FLUSH CURB DIMENSIONS		
A	B	C
72"	6"	12"
60"	5"	13"
48"	4"	14"
36"	3"	15"



FLUSH CURB DETAIL

NOT TO SCALE

6

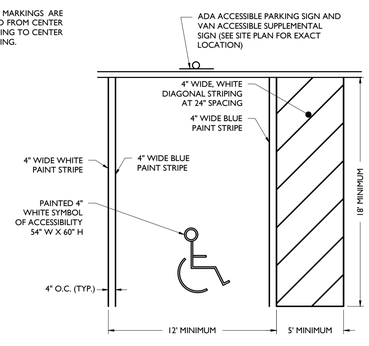


VACUUM PARKING STALL MARKINGS

NOT TO SCALE

7

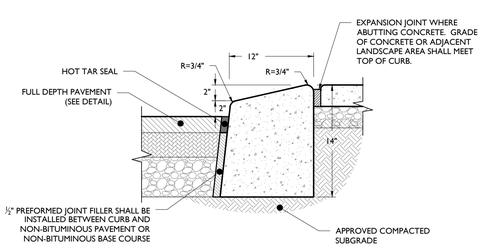
NOTE:
1. PARKING STALL MARKINGS ARE TO BE MEASURED FROM CENTER OF WHITE MARKING TO CENTER OF WHITE MARKING.



ACCESSIBLE PARKING STALL MARKINGS

NOT TO SCALE

8

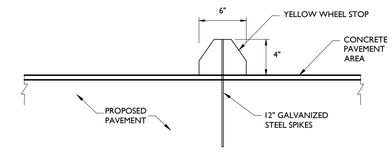


MOUNTABLE CONCRETE CURB DETAIL

NOT TO SCALE

NOTES:
1. CONCRETE SHALL BE 3500 PSI AT 28 DAYS, AIR-ENTRAINED.
2. TRANSVERSE EXPANSION JOINTS SHALL BE PROVIDED AT 20 FOOT INTERVALS WITH PRE-MOLDED, BITUMINOUS JOINT FILLER, RECESSED ¼" FROM SURFACE.
3. HALF DEPTH CONTRACTION JOINTS SHALL BE PROVIDED AT 10 FOOT INTERVALS.
4. 18" CURB DEPTH SHALL BE MAINTAINED AT DEPRESSED OR FLUSH CURBED AREAS.

9

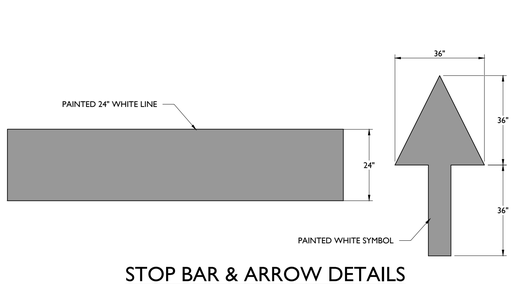


RUBBER WHEEL STOP DETAIL

NOT TO SCALE

NOTES:
1. WHEEL STOP SHALL BE 6' LONG.
2. WHEEL STOP SHALL BE PREFABRICATED TRAFFIC SAFETY STORE 6' RECYCLED RUBBER PARKING BLOCK WITH HARDWARE OR APPROVED EQUIVALENT.

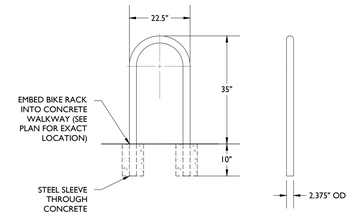
10



STOP BAR & ARROW DETAILS

NOT TO SCALE

11



HOOP RACK HD IN GROUND MOUNTED BIKE RACK DETAIL

NOT TO SCALE

NOTES:
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS

12

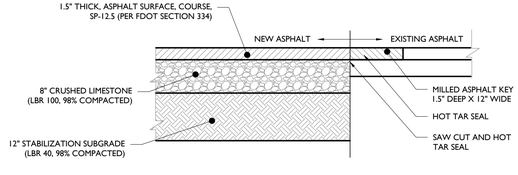
PAVEMENT STRIPING & MARKINGS NOTES:

1. ALL SIGNING AND STRIPING IN EXISTING CONDITION IN CONFLICT WITH THE PROPOSED DESIGN PLAN SHALL BE REMOVED.
2. ALL PROPOSED SIGNING AND STRIPING SHALL CONFORM TO THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) PUBLISHED BY THE FEDERAL HIGHWAY ADMINISTRATION.
3. PAVEMENT STRIPING AND MARKINGS SHALL BE INSTALLED IN CONFORMANCE WITH ALL APPLICABLE LOCAL, COUNTY AND STATE REQUIREMENTS.
4. UNLESS OTHERWISE SPECIFIED, ALL STRIPING AND MARKINGS IN THE PUBLIC RIGHT-OF-WAY SHALL BE OF THERMOPLASTIC PAINT OR PREFORMED THERMOPLASTIC MARKINGS.
5. UNLESS OTHERWISE SPECIFIED, ON SITE PARKING STALL STRIPING, FIRE LANE STRIPING AND DIRECTIONAL ARROWS SHALL BE EPOXY PAINT. ON SITE STOP BARS, "DO NOT ENTER" BARS, AND ASSOCIATED LETTERING SHALL BE THERMOPLASTIC PAINT OR PREFORMED THERMOPLASTIC MARKINGS.

STRIPING SPECIFICATION DETAIL

NOT TO SCALE

13



FULL DEPTH PAVEMENT DETAIL

NOT TO SCALE

NOTE:
HMA MIX AND DENSE GRADED AGGREGATE SHALL CONFORM TO STATE DEPARTMENT OF TRANSPORTATION SPECIFICATIONS.

14

ISSUE	DATE	BY	DESCRIPTION
8	04/22/2026	GPG	FOR CHSID RESUBMISSION
7	03/27/2026	GPG	FOR COUNTY SUBMISSION
6	02/20/2026	GPG	FOR COUNTY SUBMISSION - ADMINISTRATIVE VARIANCE
5	01/23/2026	GPG	LANDSCAPE PLAN REVIEW
4	11/26/2025	GPG	FOR COUNTY RESUBMISSION - DOT
3	08/14/2025	GPG	FOR COUNTY SUBMISSION
3	07/10/2025	GPG	FOR 90% CLIENT REVIEW
2	06/27/2025	KGR	FOR 60% CLIENT REVIEW
1	06/13/2025	GPG	FOR CLIENT REVIEW

NOT APPROVED FOR CONSTRUCTION

STONEFIELD engineering & design
Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com
One Harbour Place, Suite 250, 777 S Harbour Island Blvd.
Tampa, FL 33602
Phone 813.793.2200

SITE DEVELOPMENT PLANS

CAR WASH FLORIDA

LEHIGH ACRES
PROPOSED CARWASH

PARCEL ID: 23-45-26-A0-00063.0100 & 23-45-26-A0-00063.0120
2701 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

JAMES S. KINOSIAN, P.E.
FLORIDA LICENSE No. 86000
LICENSED PROFESSIONAL ENGINEER
FLORIDA BUSINESS CERT. OF AUTH. No. 30078

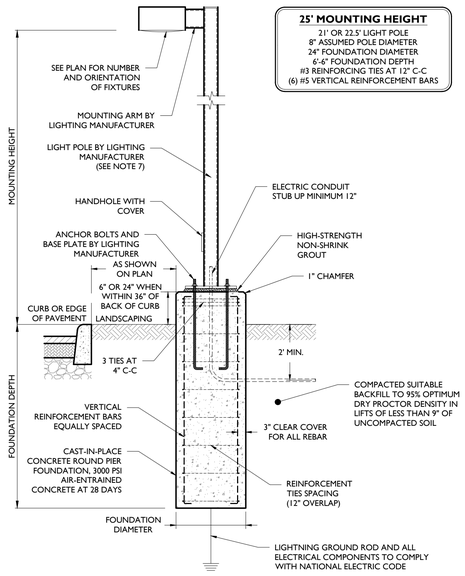
STONEFIELD engineering & design

SCALE: AS SHOWN | PROJECT ID: TAM-250036

TITLE: **CONSTRUCTION DETAILS**

DRAWING: **C-15**

Z:\TAMPA\TAM2025\TAM 250036 EL CAR WASH - 2701 LEE BOULEVARD, LEHIGH ACRES, FL\CAD\DWG\TOP\TAM-DETAILS.DWG

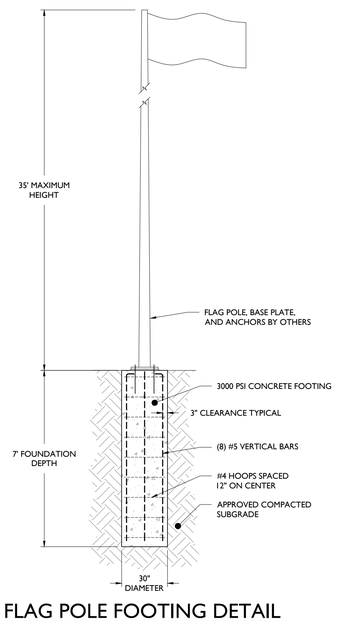


LIGHT POLE INSTALLATION DETAIL

NOT TO SCALE

NOTES:
1. MINIMUM SOIL BEARING PRESSURE OF 1500 PSF, SOIL FRICTION ANGLE OF 30 DEGREES, AND SOIL DRY UNIT WEIGHT OF 120 PCF SHALL BE CONFIRMED IN THE FIELD BY A QUALIFIED PROFESSIONAL.
2. CAST-IN-PLACE CONCRETE SHALL BE CONSOLIDATED USING VIBRATOR.
3. ALL REBAR TO BE NEW GRADE 60 STEEL.
4. PRE-CAST PIERS ACCEPTABLE UPON WRITTEN APPROVAL OF SHOP DRAWING BY ENGINEER.
5. CONCRETE TO BE INSTALLED A MINIMUM OF 7 DAYS PRIOR TO INSTALLING LIGHT POLE. POURED CONCRETE MIX REQUIRED TO OBTAIN 80% OF DESIGN STRENGTH PRIOR TO INSTALLING LIGHT POLE.
6. CONCRETE SHALL HAVE A MAXIMUM SLUMP OF 4" (WITHIN 1" TOLERANCE).
7. POLE SHALL BE RATED FOR 10 MPH HIGHER THAN MAXIMUM WIND SPEED 33FT ABOVE GROUND FOR THE AREA BASED ON ANSI/ASCE 7-93.
8. POUR TO BE TERMINATED AT A FORM.
9. WORK SHALL CONFORM TO ACI BEST PRACTICES FOR APPROPRIATE TEMPERATURE AND WEATHER CONDITIONS.
10. CONTRACTOR TO TEMPORARILY SUPPORT ADJACENT SOIL AND STRUCTURES DURING EXCAVATION IF REQUIRED.

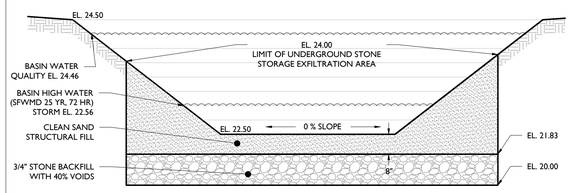
1



FLAG POLE FOOTING DETAIL

NOT TO SCALE

2

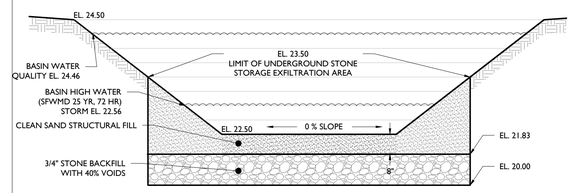


NORTHEAST SECTION INFILTRATION BASIN DETAIL (B-1)

NOT TO SCALE

NOTES:
BASIN CONSTRUCTION MUST NOT COMPACT SOILS BELOW BASIN BOTTOM.

3

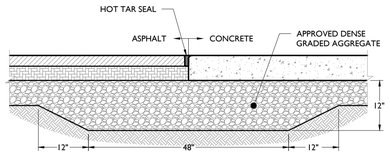


SOUTHWEST SECTION INFILTRATION BASIN DETAIL (B-1)

NOT TO SCALE

NOTES:
BASIN CONSTRUCTION MUST NOT COMPACT SOILS BELOW BASIN BOTTOM.

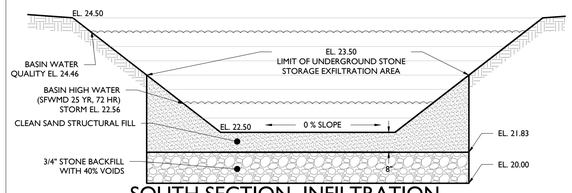
4



CONCRETE TO ASPHALT TRANSITION DETAIL

NOT TO SCALE

5

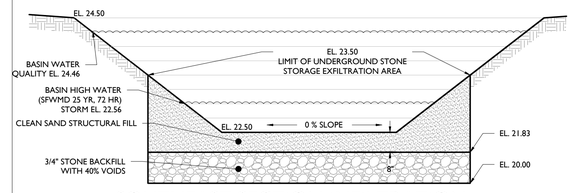


SOUTH SECTION INFILTRATION BASIN DETAIL (B-1)

NOT TO SCALE

NOTES:
BASIN CONSTRUCTION MUST NOT COMPACT SOILS BELOW BASIN BOTTOM.

6



SOUTHEAST SECTION INFILTRATION BASIN DETAIL (B-1)

NOT TO SCALE

NOTES:
BASIN CONSTRUCTION MUST NOT COMPACT SOILS BELOW BASIN BOTTOM.

7

ISSUE	DATE	BY	DESCRIPTION
8	04/22/2026	GPG	FOR CMSID RESUBMISSION
7	03/27/2026	GPG	FOR COUNTY SUBMISSION
6	02/20/2026	GPG	FOR COUNTY SUBMISSION - ADMINISTRATIVE VARIANCE
5	01/23/2026	GPG	LANDSCAPE PLAN REVIEW
4	11/26/2025	GPG	FOR COUNTY RESUBMISSION - DOT
3	08/14/2025	GPG	FOR COUNTY SUBMISSION
3	07/10/2025	GPG	FOR 90% CLIENT REVIEW
2	06/27/2025	KGR	FOR 60% CLIENT REVIEW
1	06/13/2025	GPG	FOR CLIENT REVIEW

NOT APPROVED FOR CONSTRUCTION

STONEFIELD engineering & design
Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com
One Harbour Place, Suite 250, 777 S Harbour Island Blvd.
Tampa, FL 33602
Phone 813.793.2200

SITE DEVELOPMENT PLANS

LEHIGH ACRES
PROPOSED CARWASH

PARCEL ID: 23-45-27-A0-00063.0100 & 23-44-26-05-00063.0120
2701 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

JAMES S. KINOSIAN, P.E.
FLORIDA LICENSE No. 86000
LICENSED PROFESSIONAL ENGINEER
FLORIDA BUSINESS CERT. OF AUTH. No. 30078

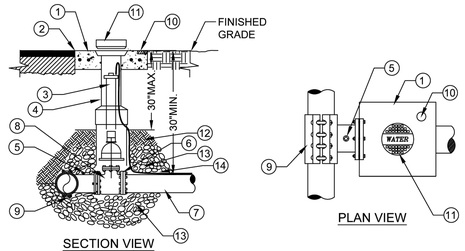
STONEFIELD engineering & design

SCALE: AS SHOWN | PROJECT ID: TAM-250036

TITLE:
CONSTRUCTION DETAILS

DRAWING:
C-16

Z:\TAMPA\TAM\2025\TAM-250036 EL CAR WASH - 2701 LEE BOULEVARD, LEHIGH ACRES, FL\CAD\PLOT\DWG FLAGPOLE.DWG

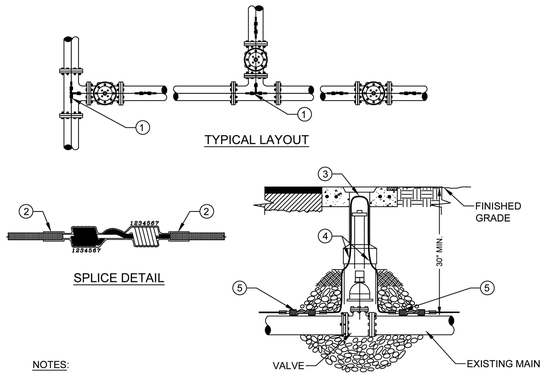


1. CONCRETE PAD - 24"X24"X4" THK. (SEE VALVE INSTALLATION DETAIL G-02)
2. SET TOP OF BOX FLUSH WITH FINISHED GRADE
3. EXTENSION STEM IF TOP OF OPERATING NUT IS MORE THAN 30" BELOW FINISH GRADE
4. VALVE BOX (SEE VALVE INSTALLATION DETAIL G-02)
5. OUTLET FOR TESTING
6. MJ RESTRAINED
7. MAIN SIZE VARIES
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 TAPPING SLEEVE AND VALVE DETAIL

NOT TO SCALE

1



NOTES:

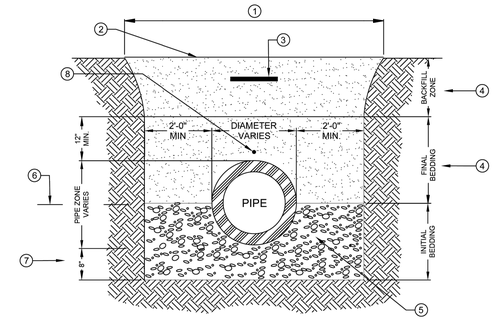
1. WIRE SHALL BE CONTINUOUS BETWEEN VALVE BOXES, THE PVC RISER PIPE SHALL BE NOTCHED AND THE WIRE ATTACHED TO THE RISER PIPE TO ALLOW FOR THE WIRE TO FIT INSIDE THE CAST IRON VALVE BOX WITHOUT SHEARING THE WIRE.
2. LOCATING WIRE SHALL BE LAID ON TOP OF THE MAIN, AND SHALL BE TAPED TO IT AT 10' INTERVALS 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 LOCATING WIRE FOR PRESSURE MAINS DETAIL

NOT TO SCALE

2

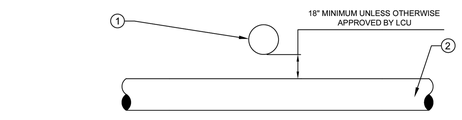


1. EXCAVATED TRENCH
2. FINISHED GRADE
3. MARKING TAPE 12" DEPTH MAX.
4. MATERIALS CLEAN DRY SAND, FINE LIME ROCK OR PIT SHELL MECHANICALLY COMPACTED IN 6" LIFTS TO AT LEAST 95% OF MAX. DENSITY, OR 98% IF UNDER PAVED AREA OF ROADWAY.
5. #57 STONE LOCATED UNDER PIPE OR EXISTING UNDISTURBED SUITABLE MATERIAL
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 TRENCH CROSSING MAINS DETAIL

NOT TO SCALE

3

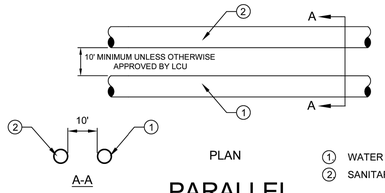


SECTION

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 WATER AND SEWER CROSSING DETAIL

NOT TO SCALE

4

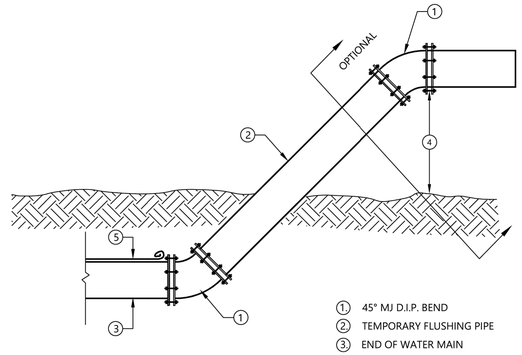
LCU STANDARD PLAN NOTES

1. ALL WORK SHALL CONFORM TO LATEST REVISION OF THE LCU DESIGN MANUAL WHICH IS AVAILABLE ON OUR WEB-PAGE VIA THE FOLLOWING LINK: HTTPS://WWW.LEEGOV.COM/UTILITIES/DESIGN-MANUAL
2. THE CONTRACTOR SHALL COMPLY WITH ALL REGULATORY AND PERMITTING AGENCIES' REQUIREMENTS.
3. ANY QUANTITIES SHOWN ON PLANS ARE NOT VERIFIED BY LCU.
4. ALL CONSTRUCTION PERFORMED MUST BE DONE BY A CONTRACTOR PROPERLY LICENSED IN THE STATE OF FLORIDA.
5. A PRE-CONSTRUCTION MEETING IS REQUIRED BEFORE WORK MAY BEGIN. REQUIRED ATTENDEES INCLUDE BUT ARE NOT LIMITED TO: THE ENGINEER OF RECORD OR HIS/HER DESIGNEE, THE UNDERGROUND CONTRACTOR AND THE LCU INSPECTOR ASSIGNED TO THE PROJECT. LCU IS TO BE NOTIFIED A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO THE PRE-CONSTRUCTION MEETING.
6. ONE COPY OF THE LCU APPROVED/STAMPED CONSTRUCTION PLANS MUST BE MAINTAINED BY THE CONTRACTOR AT THE SITE AT ALL TIMES.
7. ANY AND ALL WORK AND MATERIALS INSTALLED BY THE CONTRACTOR THAT ARE INTENDED FOR OWNERSHIP AND MAINTENANCE BY LCU, WHICH DO NOT CONFORM TO LCU SPECIFICATIONS AND WHICH DO NOT HAVE PRIOR LCU WRITTEN APPROVAL, ARE SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
8. ANY WORK PERFORMED ON INFRASTRUCTURE INTENDED FOR OWNERSHIP AND MAINTENANCE BY LCU WITHOUT THE KNOWLEDGE OF LCU IS SUBJECT TO RE-EXCAVATION, REMOVAL AND REPLACEMENT OF SAME TO BE DONE AT THE CONTRACTOR'S EXPENSE.
9. LCU INSPECTION STAFF IS TO BE PRESENT FOR ALL HOT TAPS, PRESSURE TESTS, LIFT STATION START-UPS AND FOR ANY OTHER NECESSARY INSPECTION. THE CONTRACTOR IS TO PROVIDE A MINIMUM OF TWO (2) WORKING DAYS NOTICE PRIOR TO SCHEDULING ANY OF THE ABOVE WITH THE EXCEPTION OF THE LIFT STATION START-UP WHICH REQUIRES MINIMUM OF TWO WEEKS NOTICE.
10. THE CONTRACTOR IS TO UNCOVER ALL EXISTING LCU UTILITY INFRASTRUCTURE TO VERIFY HORIZONTAL LOCATION, VERTICAL LOCATION, PIPE DIAMETER, AND PIPE MATERIAL PRIOR TO SCHEDULING THE CONNECTION WITH LCU.
11. LOCATIONS, ELEVATIONS, AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES AND OTHER FEATURES ARE SHOWN ACCORDING TO THE BEST INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE PLANS, BUT DO NOT PURPORT TO BE ABSOLUTELY CORRECT. LCU WILL NOT GUARANTEE ANY LOCATIONS AS SHOWN ON THESE PLANS OR THOSE OMITTED FROM THESE PLANS.
12. THE CONTRACTOR SHALL PROVIDE A MINIMUM OF AT LEAST TWO (2) WORKING DAYS NOTICE TO THE INDIVIDUAL UTILITY COMPANIES PRIOR TO CONSTRUCTION.
13. THE CONTRACTOR SHALL CONTACT THE ENGINEER AND LCU IMMEDIATELY TO REPORT ANY CONFLICT WITH LCU UTILITIES/STRUCTURES ARISING DURING CONSTRUCTION OF ANY FACILITIES SHOWN ON THESE DRAWINGS.
14. ALL FRAMES, COVERS VALVE BOXES, METER BOXES AND MANHOLES SHALL BE ADJUSTED TO FINISHED GRADE UPON COMPLETION OF PAVING OR RELATED CONSTRUCTION. ALL VALVE PADS SHALL BE POURED IN PLACE. NO PRE-CAST VALVE PADS WILL BE ACCEPTED.
15. LCU REQUIRES 36" OF MINIMUM COVER FOR ALL UNDERGROUND PIPING. IF LCU REQUIRED COVER CANNOT BE MAINTAINED, ALTERNATE METHODS OF CONSTRUCTION OR PIPE PROTECTION MUST BE APPROVED BY LCU AND THE ENGINEER, AT NO ADDITIONAL COST TO THE COUNTY. IF STATE AGENCIES REQUIRE ADDITIONAL COVER, MEETING THE REQUIREMENTS SHALL BE DONE AT NO ADDITIONAL COST TO THE COUNTY.
16. LCU REQUIRES THERE TO BE A MINIMUM OF TEN (10) FEET HORIZONTAL AND 18" VERTICAL SEPARATION BETWEEN POTABLE WATER & SANITARY SEWER MAINS. LCU ALSO REQUIRES MINIMUM OF TEN (10) FEET HORIZONTAL SEPARATION BETWEEN OTHER PUBLIC AND/OR PRIVATE UTILITIES, STRUCTURE(S), BUILDING(S), WALL(S), FOUNTAIN(S), FENCE(S) AND LCU INFRASTRUCTURE UNLESS SPECIFICALLY APPROVED BY LCU.
17. LCU REQUIRES THERE TO BE A MINIMUM OF FIVE (5) FEET HORIZONTAL SEPARATION AND 18" VERTICAL SEPERATION BETWEEN LCU INFRASTRUCTURE AND DRAINAGE INFRASTRUCTURE, MITERED END SECTIONS, INLETS, ETC. LCU ALSO REQUIRES MINIMUM OF FIVE (5) FEET HORIZONTAL SEPARATION BETWEEN LCU INFRASTRUCTURE AND ALL NEW LIGHT POLE FOUNDATIONS.
18. THE TRUNK OF PALM TREES SHALL BE A MINIMUM OF FIVE (5) FEET AND THE TRUNK OF SHADE TREES SHALL BE A MINIMUM OF TEN (10) FEET FROM ANY EXISTING OR PROPOSED LCU OWNED AND MAINTAINED PIPE/INFRASTRUCTURE.
19. AS THE WORK PROGRESSES THE CONTRACTOR SHALL PROVIDE FOR ALL CHANGES AND DEVIATIONS FROM THE LCU STAMPED/APPROVED CONSTRUCTION PLANS TO BE RECORDED. THE EXACT LOCATION OF ALL CHANGES IN VERTICAL AND HORIZONTAL ALIGNMENT SHALL BE RECORDED WITH X, Y, AND Z COORDINATES WITH RESPECT TO THE NAVD 1988 STATE PLANE FLORIDA WEST COORDINATE SYSTEM, AS WELL AS ANY OTHER RECORD INFORMATION REQUIRED BY THE LCU DESIGN MANUAL.

LEE COUNTY UTILITIES STANDARD PLAN NOTES

NOT TO SCALE

5



1. 45° MJ D.I.P. BEND
2. TEMPORARY FLUSHING PIPE
3. END OF WATER MAIN
4. 24" MIN.

NOTES:

1. FLUSHING DETAIL TO BE USED ON WATER LINES 8" DIAMETER OR GREATER.
2. FLUSHING PIPE SHALL BE THE SAME DIAMETER AS WATER MAIN.
3. CONTRACTOR SHALL PROVIDE ADEQUATE DRAINAGE FOR FLUSHED WATER.
4. PROVIDE M.J. CAP IF ASSEMBLY IS LEFT IN PLACE UNATTENDED.
5. 10 GAUGE DOUBLE INSULATED COPPER LOCATING WIRE (SEE LCU STANDARD DETAIL)

LEE COUNTY WATER MAIN FLUSHING DETAIL

NOT TO SCALE

6

ISSUE	DATE	BY	DESCRIPTION
8	04/22/2026	GPG	FOR CHSID RESUBMISSION
7	03/27/2026	GPG	FOR COUNTY SUBMISSION
6	02/20/2026	GPG	FOR COUNTY SUBMISSION - ADMINISTRATIVE VARIANCE
5	01/23/2026	GPG	LANDSCAPE PLAN REVIEW
4	11/26/2025	GPG	FOR COUNTY RESUBMISSION - DOT
3	08/14/2025	GPG	FOR COUNTY SUBMISSION
3	07/10/2025	GPG	FOR 90% CLIENT REVIEW
2	06/27/2025	KGR	FOR 60% CLIENT REVIEW
1	06/13/2025	GPG	FOR CLIENT REVIEW

NOT APPROVED FOR CONSTRUCTION

STONEFIELD engineering & design

Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com

One Harbour Place, Suite 250, 777 S Harbour Island Blvd.
Tampa, FL 33602
Phone 813.793.2200

SITE DEVELOPMENT PLANS

CAR WASH FLORIDA

LEHIGH ACRES
PROPOSED CARWASH

PARCEL ID: 25-44-26-A6-00063.0100 & 25-44-26-A6-00063.0120
2701 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

JAMES S. KINOSIAN, P.E.
FLORIDA LICENSE No. 86000
LICENSED PROFESSIONAL ENGINEER
FLORIDA BUSINESS CERT. OF AUTH No. 30078

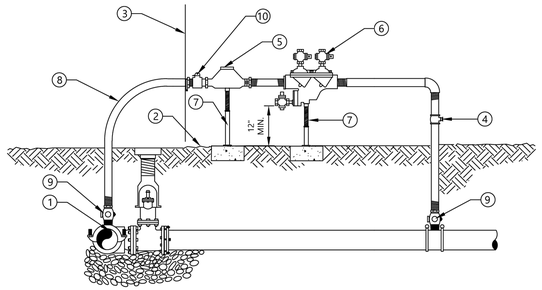
STONEFIELD engineering & design

SCALE: AS SHOWN | PROJECT ID: TAM-250036

TITLE: CONSTRUCTION DETAILS

DRAWING: C-17

Z:\TAMPA\TAM2025\TAM-250036 (L CAR WASH - 2701 LEE BOULEVARD, LEHIGH ACRES, FL)\CAD\PLOTDEP\1-FDTL.DWG



NOTES:

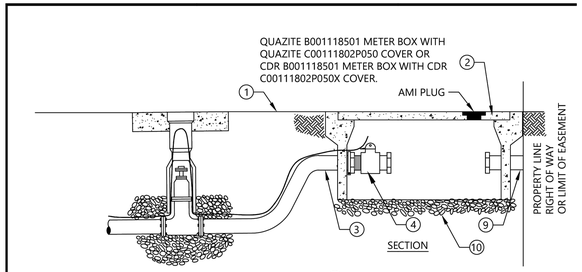
CONTRACTOR/CUSTOMER SHALL APPLY AT LEE COUNTY UTILITIES FOR TEMPORARY WATER SERVICE FIVE DAYS PRIOR TO REQUIRED SERVICE DATE. THE METER ONLY WILL BE FURNISHED BY LEE COUNTY UTILITIES. ALL FITTINGS, PIPING, VALVES AND MATERIALS SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR/CUSTOMER. THE APPROVED 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 DEPARTMENT OF HEALTH 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

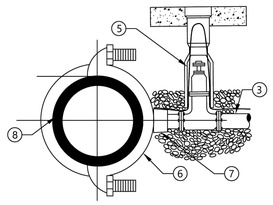
LEE COUNTY TEMPORARY CONSTRUCTION JUMPER WITH METER DETAIL

NOT TO SCALE

1



SECTION



SECTION

NOTES:

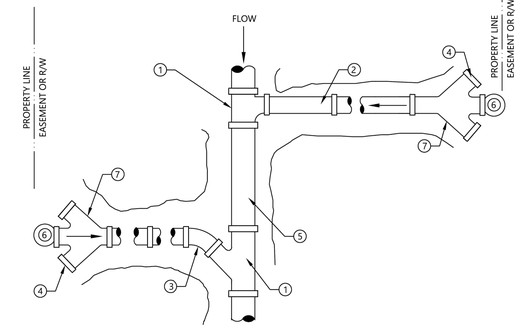
1. TUBING UNDER ROADWAY SHALL BE ENCASED IN 4" P.V.C. PIPE SCHEDULE 40 MINIMUM AND EXTEND 4 FEET BEYOND THE EDGES OF PAVEMENT OR BACK OF CURB.

1. FINISHED GRADE
2. 17"X30' METER BOX AND PREDRILLED COVER WITH PLUG TO BE LOCATED INSIDE ROW @ PROPERTY LINE
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

LEE COUNTY WATER SERVICE INSTALL 1-1/2" THROUGH 2" DETAIL

NOT TO SCALE

2



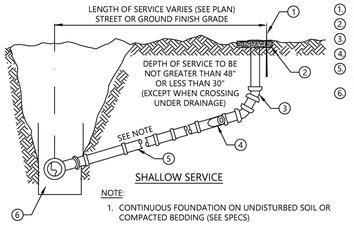
NOTE: 1. SEE SPECS FOR DETAILS OF PIPE AND FITTINGS.

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 STANDARD SEWER SERVICE LATERAL DETAIL

NOT TO SCALE

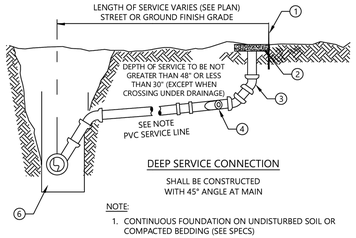
3



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:

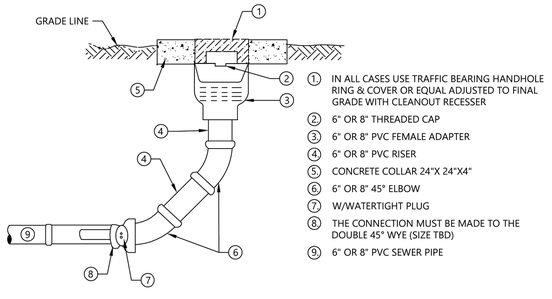
1. CONTINUOUS FOUNDATION ON UNDISTURBED SOIL OR COMPACTED BEDDING (SEE SPECS)

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 STANDARD SEWER SERVICE LATERAL DETAIL

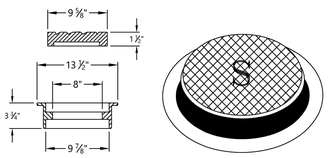
NOT TO SCALE

4



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



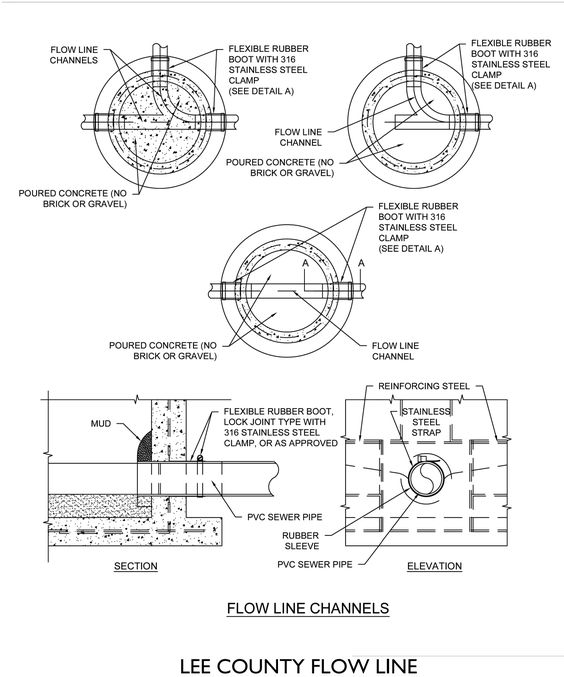
COVERS ARE MARKED WITH "S"

COVER TYPE	LOAD RATING	COVER WEIGHT	TOTAL WEIGHT
FE	HEAVY DUTY	20	45

LEE COUNTY 6" OR 8" CLEANOUT DETAIL

NOT TO SCALE

5



SECTION ELEVATION

FLOW LINE CHANNELS

LEE COUNTY FLOW LINE CHANNEL DETAIL

NOT TO SCALE

6

ISSUE	DATE	BY	DESCRIPTION
8	04/22/2026	GPG	FOR CMSID RESUBMISSION
7	03/27/2026	GPG	FOR COUNTY SUBMISSION
6	02/20/2026	GPG	FOR COUNTY SUBMISSION - ADMINISTRATIVE VARIANCE
5	01/23/2026	GPG	LANDSCAPE PLAN REVIEW
4	11/26/2025	GPG	FOR COUNTY RESUBMISSION - DOT
3	08/14/2025	GPG	FOR COUNTY SUBMISSION
3	07/10/2025	GPG	FOR 90% CLIENT REVIEW
2	06/27/2025	KGR	FOR 60% CLIENT REVIEW
1	06/13/2025	GPG	FOR CLIENT REVIEW

NOT APPROVED FOR CONSTRUCTION

STONEFIELD engineering & design
Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com
One Harbour Place, Suite 250, 777 S Harbour Island Blvd.
Tampa, FL 33602
Phone 813.793.2200

SITE DEVELOPMENT PLANS

CAR WASH FLORIDA

LEHIGH ACRES
PROPOSED CARWASH

PARCEL ID: 25-44-26-A1-08063.0100 & 25-44-26-B0-08063.0120
2701 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

JAMES S. KINOSIAN, P.E.
FLORIDA LICENSE No. 86000
LICENSED PROFESSIONAL ENGINEER
FLORIDA BUSINESS CERT. OF AUTH No. 30078

STONEFIELD engineering & design

SCALE: AS SHOWN | PROJECT ID: TAM-250036

TITLE: CONSTRUCTION DETAILS

DRAWING: C-18

Z:\TAMPA\TAM2025\TAM-250036 (LCA WASH - 2701 LEE BOULEVARD, LEHIGH ACRES, FL)\CAD\PLOTSET\P-1-DETS.DWG

RILEY & Company, Inc. (H-20 GP)©

w/ BATTERY BACK-UP FOR AUDIO AND VISUAL ALARMS & RILEY & COMPANY GUARD PRO IV MONITORING SYSTEM

(No Substitutions - No Alternates)

RILEY & COMPANY, INC. / GUARD PRO IV MONITORING SYSTEM:
GUARD PRO IV offers a remote control and maintenance solution which allows you to create a decentralized system to monitor and control devices. Up to eight (8) different lift station inputs can be monitored and up to eight (8) outputs can be controlled remotely. The GUARD PRO IV can also notify up to eight (8) different recipients via sms text and/or email.

PUMPS: SPECIFICATION

Submersible grinder pumps shall be installed in the H-20 FRP wet well utilizing a dual slide rail system.

The pumps shall be capable of pumping materials normally found in domestic and commercial wastewater.

Stator winding shall be open type with Class H insulation and shall be heat -shrink fitted into the stator housing. The use of pins, bolts and other fastening devices is not acceptable.

A heat sensor thermostat shall be attached to the top end of the motor winding and shall be connected in series with a magnectic contactor coil in the control panel. If the winding temperature exceeeds 140° C, the motor shall shut off but shall automtically reset when the temperature drops below the threshhold. Two heat sensors shall be used on 3 phase motors. Upper & lower mechanical seals shall have Silicon Carbide vs Silicon Carbide.

CONTROL PANEL: SPECIFICATION

The Enclosure shall be MARINE GRADE ALUM, NEMA 4X, minimum 30" high x 20" wide x 10" deep with a 3 point latching system.

The enclosure shall have external mounting feet to allow for wall mounting.
The following components shall be mounted through the enclosure:
1- ea. Red Alarm Beacon (Light) LED 360 Degree viewable range, NEMA 4X
1- ea. Alarm Horn (minimum 95 DCB), ROHS 3 Compliant, NEMA 4X
1- ea. Generator Receptacle w/ weatherproof cover 60A Minimum. Shall meet UL 1682, UL 1686 and UL486E Compliance.

The back panel shall be fabricated from .125, 5052-H32 marine alloy aluminum. All components shall be mounted by machined stainless steel screws.
The following components shall be mounted to back panel:
1- ea. Guard Pro IV Monitoring Unit
2- ea. IEC Style Motor Contactors
1- ea. Volt Monitor (1 Ph) Phase Monitor (3 Ph) w/2 N/O & 1 N/C Contacts
1- ea. Alternator w/ Pump Lead Switch
1- ea. Control Transformer (480 Volt Only) (Min. 500VA)
1- ea. Model RCBBSAH Battery Back-Up w/ Smart Charger (UPS) - 24 Hr Min.
20- ea. Terminals For Field Connections
6- ea. Terminals For Motor Connections (Single Phase Only)
7- ea. Grounding Lugs
1-ea. Lightning and Surge Protection shall meet the UL 1449 2nd Edition

The inner door shall have a continuous aluminum piano hinge.
The following components shall be mounted through the inner door:
1- ea. Main Circuit Breaker - UL489
1- ea. Emergency Circuit Breaker - UL 489
1- ea. Mechanical Interlock For Emergency And Main Breakers (UL Listed)
2- ea. Short Circuit Protectors w/ Auxiliary Contacts
1- ea. Control Circuit Breaker & GFCI Circuit Breaker - UL 489
1- ea. GFI Duplex Convenience Outlet - NEMA 5-15R
2- ea. Elapsed Time Meter, Non-Resettable

MISCELLANEOUS: All wiring on the back panel shall be contained within the wiring duct. All wiring between the inner door and the back panel shall be contained with in a plastic spiral wrap. Each wire shall have a wire number at each end to correspond to the as built drawing for field troubleshooting. The control panel must be manufactured in-house by the lift station supplier and be a TUV (UL508A Certified) facility.

WET WELL: SPECIFICATION

Wet Well FRP Wall Laminate must be designed to withstand wall collapse or buckling based on third party specifications and the assumptions below.

**Hydrostatic Pressure: 62.4 lbs. Per SQ Ft.*
**Saturated Soil Weight: 120 lbs. Per Cubic Ft.*
**Soil Modulus: 700 lbs Per SQ Ft.*
**Pipe Stiffness as Specified in ASTM D 3753*

The wet well FRP laminate must be constructed to withstand or exceed two times the assumed loading for the complete depth of the structure.

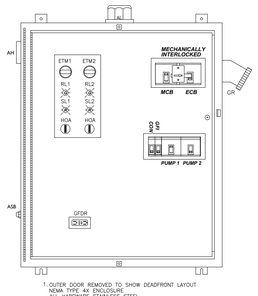
The cover shall be constructed of ¼ inch thick finished aluminum, diamond plate pattern with 300 series stainless steel hardware. The hatch shall have a positive means of locking the door open in the vertical position via a hold open arm and shall be made of a non-corrosive material. The cover shall be mounted with minimum of six 300 series stainless steel fasteners. The access hatch cover shall have a lift handle and a means of locking.

The prefabricated FRP lift station manufacturer shall guarantee the prefabricated lift station per approved drawings for a period of one year from the date of delivery.

INSPECTION & TESTING:
A factory representative shall be provided for a one (1) time start-up and shall have complete knowledge of the proper operation and maintenance of the complete system. The pump motors shall be megged out prior to the start-up to ensure that the insulation of the pump motor and cable is intact. The pumps and the controls shall be checked for mechanical reliability and proper operation.

EXECUTION:
Installation shall be in strict accordance with the manufacturer's recommendations in the locations shown on the engineered drawings.

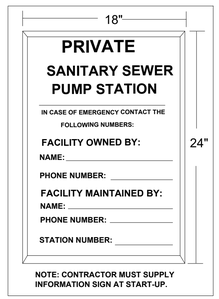
11/29/25 SR



1. OUTER DOOR REMOVED TO SHOW DEADFRONT LAYOUT
NEMA TYPE 4X ENCLOSURE
ALL HARDWARE STAINLESS STEEL
ACTUAL LAYOUT/ORIENTATION MAY VARY.

2-ENCLOSURE SIZE WILL BE 30" X 20" X 10" MINIMUM.
CONTROL PANEL SHALL HAVE A 3 POINT LATCHING SYSTEM

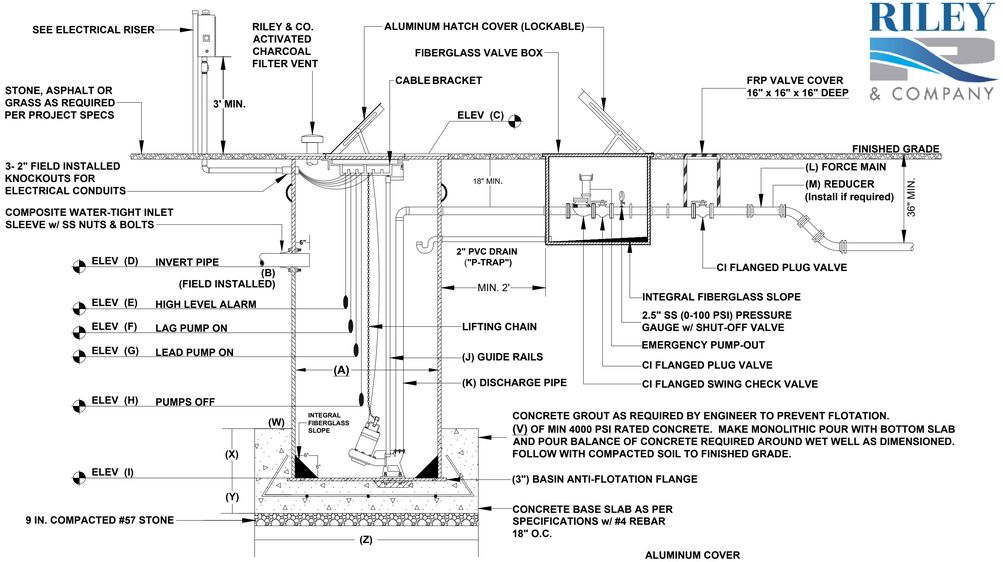
STATION DESIGN CONDITIONS		
PRIMARY PUMP CAPACITY	86	GPM
PRIMARY TDH	65	'TDH
RUN-OUT PUMP CAPACITY	87	GPM
RUN-OUT TDH	18	'TDH
PUMP MODEL #	HOMA RC40136	
R.P.M.	3450	
HORSEPOWER	5.5	
ELECTRICAL VOLTS / PHASE	230V/3Φ	
PUMP DISCHARGE SIZE	2"	
STATION ELEVATIONS AND DIMENSIONS		
100 YEAR FLOOD ELEVATION	xxx.xx'	
WET WELL DIAMETER (A)	60"	
INVERT DIAMETER (B)	6"	
TOP OF WET WELL (C)	24.75'	
INLET / INVERT (D)	21.06'	
HIGH LEVEL ALARM (HLA) (E)	20.56'	
2nd PUMP ON (LAG) (F)	20.06'	
1st PUMP ON (LEAD) (G)	19.56'	
PUMPS OFF (OFF) (H)	18.13'	
BOTTOM OF WET WELL (I)	15.75'	
GUIDE RAIL DIAMETER (J)	½"	
DISCHARGE PIPE DIAMETER (K)	2"	
F.M. PIPE DIAMETER (L)	3"	
REDUCER (if Required) (M)	3" x 2"	
STATION MANUFACTURING MATERIALS		
DISCHARGE/RISER PIPE	HDPE	
INLET PIPE	PVC	
GUIDE RAIL	304 SS	
WET WELL	FRP ASTM D-3753	
WET WELL HATCH COVER	300 LBS PSF ALUM	
CABLE BRACKET	304 SS	
LIFTING CHAIN	304 SS	
PLUG VALVE	CAST IRON	
SWING CHECK VALVE	CAST IRON	
VALVE BOX	FRP	
VALVE BOX HATCH COVER	300 LBS PSF ALUM	
STATION VALVE BOX SIZES		
(36" x 36" x 36" DEEP)	FOR 2" DISCHARGE	
(48" x 48" x 36" DEEP)	FOR 3" DISCHARGE	
(48" x 48" x 36" DEEP)	FOR 4" DISCHARGE	
STATION HATCH OPENINGS		
WET WELL DIA. 36"	48"	60"
	27" x 20"	36" x 24"	36" x 30"
CONCRETE BALLAST REQUIREMENTS		
CUBIC YARDS OF CONCRETE REQUIRED (V)	3.80 yds³	
CIRCUMFERENCE DIMENSION - WIDTH (W)	12.0"	
CIRCUMFERENCE DIMENSION - HEIGHT (X)	18.0"	
BASE SLAB DIMENSION - HEIGHT (Y)	18.0"	
BASE SLAB DIMENSION - LENGTH & WIDTH (Z)	84.0"	

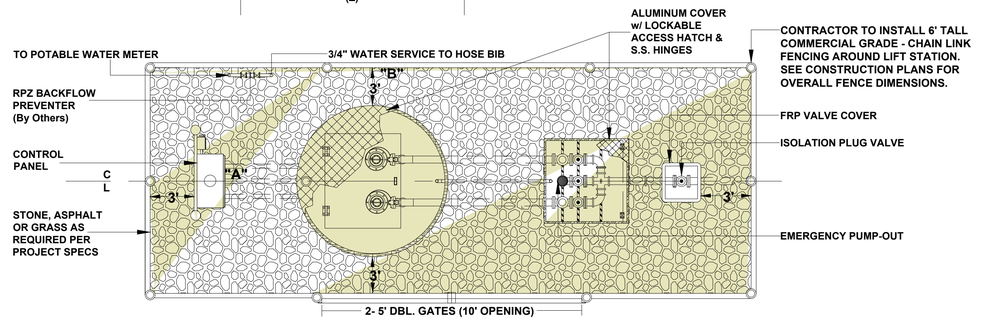


NOTE: CONTRACTOR MUST SUPPLY INFORMATION SIGN AT START-UP.

LIFT STATION WILL BE PRIVATELY OWNED AND MAINTAINED

PRIOR TO START-UP, OWNER MUST HAVE A MINIMUM 1 YR. PREVENTIVE MAINTENANCE CONTRACT WITH A REPUTABLE LIFT STATION MAINTENANCE COMPANY.

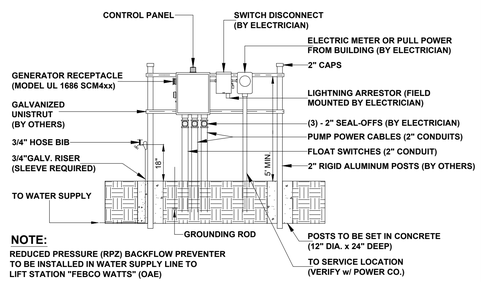




NOTE: PUMP CONTROL PANEL SHALL BE LOCATED A MIN. OF 3 FEET FROM WET WELL PERIMETER AT POINT "A" OR "B"

ELECTRICIAN NOTES:

1. DRAWING NOT TO SCALE
2. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH LOCAL CODES
3. ELECTRICIAN TO INSTALL SWITCH DISCONNECT & LIGHTNING ARRESTOR
4. CONTRACTOR SHALL VERIFY POWER SUPPLY PRIOR TO ORDERING EQUIPMENT
5. NEUTRAL TO BE SUPPLIED FOR 3Φ/208-230V OR 1Φ/208-230V
6. EXCEPT FOR THE CONTROL PANEL, ALL EQUIPMENT AND COMPONENTS BY OTHERS



NOTE:
REDUCED PRESSURE (RPZ) BACKFLOW PREVENTER TO BE INSTALLED IN WATER SUPPLY LINE TO LIFT STATION "FEBCO WATTS" (OAE)

ELECTRICAL RISER FOR ILLUSTRATION PURPOSES ONLY

For Lift Station Proposal:
Please Contact Chase Rachal
(407) 265-9963
c.rachal@rileyandco.com

THIS IS A COPYRIGHTED DRAWING. ANY CHANGES OR MODIFICATIONS WITHOUT WRITTEN APPROVAL FROM RILEY & COMPANY IS STRICTLY PROHIBITED. ©

RILEY & COMPANY, INC.
5491 BENCHMARK LANE
SANFORD, FL. 32773
PH. 407-265-9963

EL CAR WASH - LEHIGH ACRES

REVISIONS	BY	DATE
DRAWN BY		
CHECKED BY		
DATE		
SCALE		
JOB NO.		
DRAWING NO.		
SHEET NO.		

ISSUE	DATE	BY	DESCRIPTION
8	04/22/2026	GPG	FOR CHSID RESUBMISSION
7	03/27/2026	GPG	FOR COUNTY SUBMISSION
6	02/20/2026	GPG	FOR COUNTY SUBMISSION - ADMINISTRATIVE VARIANCE
5	01/23/2026	GPG	LANDSCAPE PLAN REVIEW
4	11/26/2025	GPG	FOR COUNTY RESUBMISSION - DOT
3	08/14/2025	GPG	FOR COUNTY SUBMISSION
3	07/10/2025	GPG	FOR 90% CLIENT REVIEW
2	06/27/2025	KGR	FOR 60% CLIENT REVIEW
1	06/13/2025	GPG	FOR CLIENT REVIEW

NOT APPROVED FOR CONSTRUCTION

STONEFIELD engineering & design
Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com
One Harbour Place, Suite 250, 777 S Harbour Island Blvd.
Tampa, FL 33602
Phone 813.793.2200

SITE DEVELOPMENT PLANS

CAR WASH FLORIDA

LEHIGH ACRES
PROPOSED CARWASH
PARCEL ID: 23-45-26-00-00063.0100 & 23-44-26-00-00063.0120
2701 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

JAMES S. KINOSIAN, P.E.
FLORIDA LICENSE No. 86000
LICENSED PROFESSIONAL ENGINEER
FLORIDA BUSINESS CERT. OF AUTH. No. 30078

STONEFIELD engineering & design

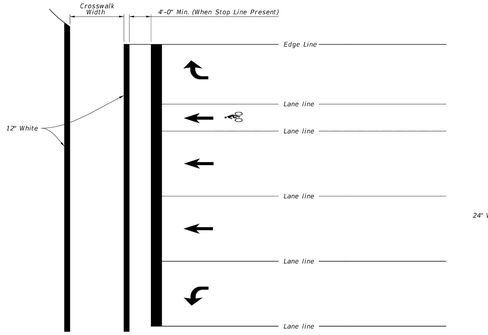
SCALE: AS SHOWN | PROJECT ID: TAM-250036

TITLE:
CONSTRUCTION DETAILS

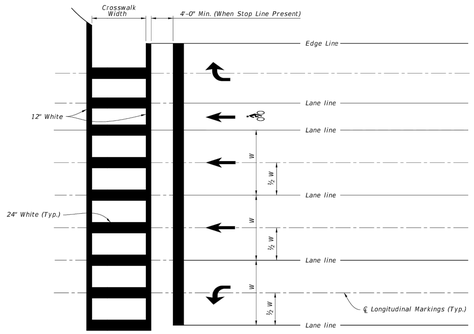
DRAWING:
C-19

LIFT STATION DESIGN DETAILS
NOT TO SCALE

Z:\TAMPA\TAM2025\TAM-250036 EL CAR WASH - LEHIGH ACRES, FL\CADD\PLOTDEP-11-22TEL.DWG



STANDARD CROSSWALK DETAILS



SPECIAL EMPHASIS CROSSWALK DETAILS

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.

8/30/2024 2:58:26 PM

LAST REVISION	DESCRIPTION:	FDOT	FY 2025-26 STANDARD PLANS	PAVEMENT MARKINGS	INDEX	SHEET
11/01/21					711-001	9 of 13

FDOT PAVEMENT MARKINGS

NOT TO SCALE

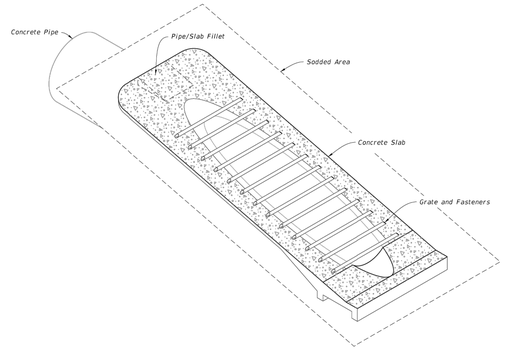
1

GENERAL NOTES:

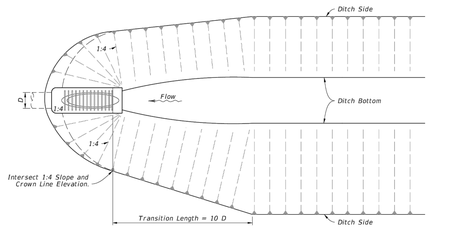
1. Unless otherwise designated in the plans, concrete pipe mitered end sections may be used with any type of side drain pipe; corrugated steel pipe mitered end sections may be used with any type of side drain pipe except aluminum pipe; and, corrugated aluminum mitered end sections may be used with any type of side drain pipe except steel pipe. When bituminous coated metal pipe is specified for side drain pipe, construct the mitered end sections with like pipe or concrete pipe. When the mitered end section pipe is dissimilar to the side drain pipe, construct a concrete jacket in accordance with Index 430-001 or use manufacturer approved coupler.
2. Use either corrugated metal or concrete mitered end sections for corrugated polyethylene pipe (HDPE), polyvinyl-chloride pipe (PVC), steel reinforced polyethylene pipe (SRPE), and polypropylene pipe (PP). When used in conjunction with corrugated metal mitered end sections, make connection using a formed metal band specifically designated to join HDPE, PVC, SRPE, or PVC pipe. When used in conjunction with a concrete mitered end sections, construct concrete jacket in accordance with Index 430-001.
3. Use class NS concrete cast-in-place reinforced slabs for all cross drain pipes.
4. Select lengths of concrete pipe that avoid excessive connections in the assembly of the mitered end section.
5. Repair corrugated metal pipe galvanizing that is damaged during beveling and perforating.
6. When existing multiple side drain pipes are spaced other than the dimensions shown in this Index, have nonparallel axes, or non-uniform sections, either construct the mitered end sections separately as single pipe or collectively as multiple pipe end sections as directed by the Engineer.
7. Saddle Slope:
   1:4 Miter – Slope to ℄ of pipe for round pipes less than or equal to 18" diameter and 1:1 for round pipes greater than or equal to 24" diameter.
   Slope to the major axis for elliptical pipes 24"x38" or smaller and 1:2 for pipes 29"x45" or larger.
   Slope to the span line for pipe arch 28"x20" or smaller and 1:2 for pipe arch 35"x24" or larger.
   1:2 Miter – Slope to ℄ of pipe for round pipes less than or equal to 18"diameter and 1:2 for round pipes greater than or equal to 24" diameter.
   Slope to the major axis for elliptical pipes 29"x45" or smaller and 1:1 for pipes 34"x53" or larger.
   Slope 1:1 for all pipe arch sizes.
8. Quantities shown are for estimating purposes only.

TABLE OF CONTENTS:

Sheet	Description
1	General Notes and Contents
2	Single and Multiple Concrete Pipe
3	Concrete Pipe Dimensions and Quantities and Permissible Pavement Modifications
4	Single and Multiple Corrugated Metal Pipe
5	Corrugated Metal Dimensions and Quantities
6	Concrete Pipe Connection and Corrugated Metal Pipe Anchor Details
7	Fastener Unit and Grate Details



SIDEDRAIN MITERED END SECTION
(Concrete Pipe Shown, Corrugated Metal Pipe Similar)



DITCH TRANSITION

10/30/2024 7:18:59 AM

LAST REVISION	DESCRIPTION:	FDOT	FY 2025-26 STANDARD PLANS	SIDE DRAIN MITERED END SECTION	INDEX	SHEET
11/01/23					430-022	1 of 7

ISSUE	DATE	BY	DESCRIPTION
8	04/22/2026	GPG	FOR CMSID RESUBMISSION
7	03/27/2026	GPG	FOR COUNTY SUBMISSION
6	02/20/2026	GPG	FOR COUNTY SUBMISSION - ADMINISTRATIVE VARIANCE
5	01/23/2026	GPG	LANDSCAPE PLAN REVIEW
4	11/26/2025	GPG	FOR COUNTY RESUBMISSION - DOT
3	08/14/2025	GPG	FOR COUNTY SUBMISSION
3	07/10/2025	GPG	FOR 90% CLIENT REVIEW
2	06/27/2025	KGR	FOR 60% CLIENT REVIEW
1	06/13/2025	GPG	FOR CLIENT REVIEW

NOT APPROVED FOR CONSTRUCTION

STONEFIELD engineering & design
Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com
One Harbour Place, Suite 250, 777 S Harbour Island Blvd.
Tampa, FL 33602
Phone 813.793.2200

SITE DEVELOPMENT PLANS

CAR WASH FLORIDA

LEHIGH ACRES
PROPOSED CARWASH

PARCEL ID: 25-43-26-00-00063.0100 & 25-44-26-00-00063.0120
2700 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

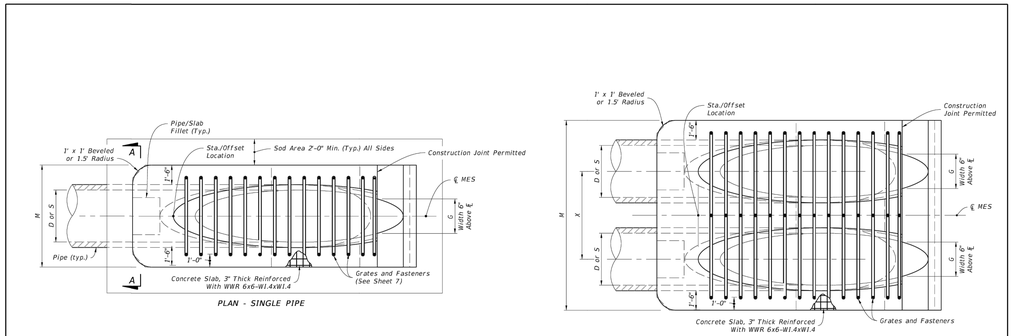
JAMES S. KINOSIAN, P.E.
FLORIDA LICENSE No. 86000
LICENSED PROFESSIONAL ENGINEER
FLORIDA BUSINESS CERT. OF AUTH. No. 30078

STONEFIELD engineering & design

SCALE: AS SHOWN | PROJECT ID: TAM-250036

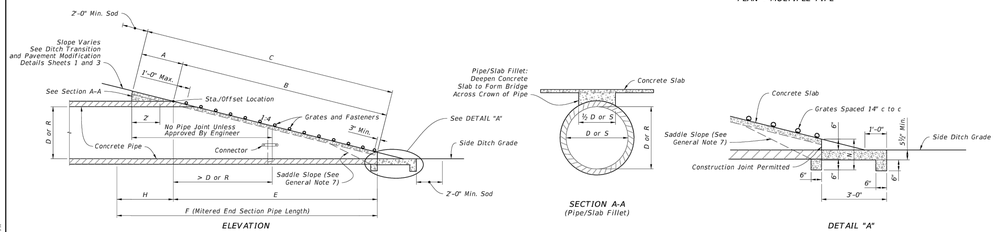
TITLE: CONSTRUCTION DETAILS

DRAWING: C-20



PLAN - SINGLE PIPE

PLAN - MULTIPLE PIPE



ELEVATION

SECTION A-A
(Pipe/Slab Fillet)

DETAIL "A"

ROUND CONCRETE PIPE
(Elliptical Pipe Similar)

SINGLE AND MULTIPLE CONCRETE PIPE

LAST REVISION	DESCRIPTION:	FDOT	FY 2025-26 STANDARD PLANS	SIDE DRAIN MITERED END SECTION	INDEX	SHEET
11/01/18					430-022	2 of 7

FDOT SIDE DRAIN MITERED END DETAILS

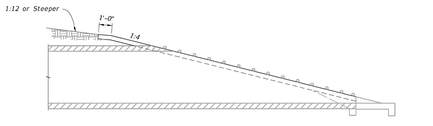
NOT TO SCALE

2

SINGLE AND MULTIPLE CONCRETE PIPE DIMENSIONS AND QUANTITIES

Pipe	Dia. D	Rise R	Span S	X	A	B	C	E	F	G	H	M: Single Pipe	M: Double Pipe	M: Triple Pipe	M: Quad. Pipe	N	GRATE SIZES: STANDARD WEIGHT PIPE	GRATE SIZES: EXTRA STRONG PIPE	3" CONC. SLAB (CY): Single Pipe	3" CONC. SLAB (CY): Double Pipe	3" CONC. SLAB (CY): Triple Pipe	3" CONC. SLAB (CY): Quad. Pipe	SODDING (SY): Single Pipe	SODDING (SY): Double Pipe	SODDING (SY): Triple Pipe	SODDING (SY): Quad. Pipe
Round Concrete	15"	—	—	2'-7"	2.27'	4.09'	6.36'	4.03'	8'	1.22'	4.0'	4.63'	7.21'	9.79'	12.37'	1.19'			0.76	1.16	1.54	1.94	8	10	11	12
	18"	—	—	2'-10"	2.38'	5.12'	7.48'	5.03'	9'	1.41'	4.0'	4.92'	7.75'	10.58'	13.42'	1.21'			0.85	1.28	1.71	2.17	9	10	12	13
	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'			1.02	1.58	2.15	2.75	10	12	13	15
	30"	—	—	4'-3"	2.72'	9.25'	11.95'	9.03'	13'	2.00'	4.0'	6.08'	10.33'	14.58'	18.83'	1.29'	2½"		1.23	1.98	2.74	3.50	12	14	15	17
	36"	—	—	5'-1"	2.87'	11.31'◇	14.18'	11.03' ◇	15'	2.24'	4.0'	6.67'	11.75'	16.83'	21.92'	1.33'	2½"	3"	1.40	2.38	3.33	4.24	13	15	17	20
	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'	2½"	3½"	1.60	2.83	4.04	5.26	14	17	19	22
	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'	2½"	3½"	1.81	3.26	4.70	6.14	15	18	21	24
	54"	—	—	7'-8"	3.39'	17.49'	20.88'	17.03'	21'	2.83'	4.0'	8.42'	16.08'	23.75'	31.42'	1.46'	3"	4"	2.03	3.78	5.54	7.28	17	20	23	27
	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'	3"	4"	2.28	4.36	6.43	8.50	18	22	25	29
Elliptical Concrete	—	12"	18"	2'-10"	2.38'	3.06'	5.42'	3.03'	5'	1.50'	2.0'	4.92'	7.75'	10.58'	13.42'	1.21'			0.68	1.04	1.41	1.77	8	9	11	12
	—	14"	23"	3'-4"	2.44'	3.75'	6.19'	3.70'	6'	1.90'	2.3'	5.38'	8.71'	12.04'	15.38'	1.23'			0.76	1.19	1.63	2.05	9	10	12	13
	—	19"	30"	4'-0"	2.62'	5.47'	8.09'	5.36'	8'	2.37'	2.6'	6.04'	10.04'	14.04'	18.04'	1.27'	2½"	3"	0.95	1.52	2.09	2.65	10	12	13	15
	—	24"	38"	5'-0"	2.79'	7.18'	9.97'	7.03'	10'	2.85'	3.0'	6.79'	11.79'	16.79'	21.79'	1.31'	2½"	3"	1.18	1.95	2.74	3.53	11	13	15	18
	—	29"	45"	5'-11"	3.05'	8.90'	11.95'	8.70'	12'	3.19'	3.3'	7.50'	13.42'	19.33'	25.25'	1.38'	2½"	3½"	1.41	2.42	3.44	4.45	12	15	18	20
	—	34"	53"	7'-0"	3.22'	10.62'	13.84'	10.36'	13'	3.50'	3.6'	8.25'	15.25'	22.25'	29.25'	1.42'	3"	3½"	1.63	2.92	4.22	5.52	13	17	20	23
	—	38"	60"	7'-10"	3.39'	11.99'	15.38'	11.70'	15'	3.95'	3.3'	8.92'	16.75'	24.58'	32.42'	1.46'	3"	4"	1.83	3.36	4.89	6.41	14	18	21	25
	—	43"	68"	8'-11"	3.56'	13.71'	17.27'	13.36'	17'	4.28'	3.6'	9.67'	18.58'	27.50'	36.42'	1.50'	3"	4"	2.09	3.95	5.80	7.65	16	20	23	27
	—	48"	76"	9'-11"	3.73'	15.43'	19.16'	15.03'	19'	4.59'	4.0'	10.42'	20.33'	30.25'	40.17'	1.54'	3"	HSS 5"x5"x¼"	2.37	4.54	6.73	8.92	17	21	26	30
	—	53"	83"	10'-8"	3.91'	17.19'	21.06'	16.70'	20'	4.77'	3.3'	11.08'	21.75'	32.42'	43.08'	1.58'	3"	HSS 5"x5"x¼"	2.61	5.09	7.56	10.03	18	23	27	32
	—	58"	91"	11'-8"	4.08'	18.87'	22.95'	18.36'	22'	5.01'	3.6'	11.83'	23.50'	35.17'	46.83'	1.63'	3½"	HSS 5"x5"x⅜"	2.91	5.77	8.64	11.50	19	24	29	35

△6.42' ◇10.40' — Dimensions permitted to allow use of 8' standard pipe lengths.
△6.25' ◇10.10' — Dimensions permitted to allow use of 12' standard pipe lengths.

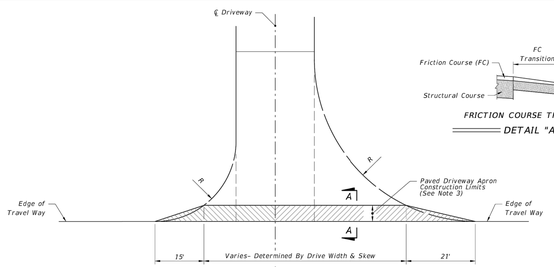


PERMISSIBLE PAVEMENT MODIFICATION

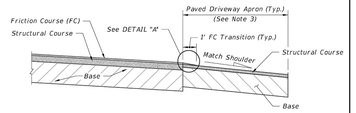
CONCRETE PIPE DIMENSIONS AND QUANTITIES AND PERMISSIBLE PAVEMENT MODIFICATION

2:\TAMPA\TAM\2021\TAM-210016 & CAR WASH - 2701 LEE BOULEVARD, LEHIGH ACRES, FL\CAD\PLOTS\DP-11-SHTS.DWG

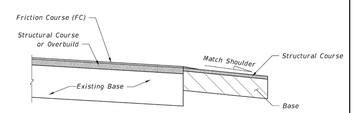
8/30/2024 2:58:40 PM



DRIVEWAY TYPES



SECTION AA - NEW CONSTRUCTION



SECTION AA - RESURFACING

NEW DRIVEWAY

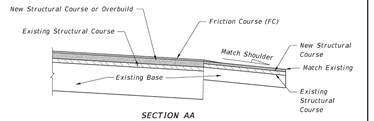
AREAS FOR ONE 5' DEEP DRIVEWAY APRON (SY)				
Drive Width (Ft.)	Intersection			
	Normal		Skewed	
	Type I	Type II	Type I	Type II
12	26	51	31	60
14	27	52	33	61
16	28	53	34	63
18	29	54	35	64
20	31	55	37	65
22	32	56	38	67
24	33	57	39	68
26	34	58	40	69
28	35	59	42	70
30	36	61	43	72
32	37	62	44	73
34	38	63	46	74
36	39	64	47	76
38	41	65	48	77
40	42	66	49	78
42	43	67	51	79
44	44	68	52	81
46	45	69	53	82
48	46	71	55	83
50	47	72	56	85
52	48	73	57	86
54	49	74	58	87
56	51	75	60	88
58	52	76	61	90
60	53	77	62	91

MATERIAL TYPES AND THICKNESSES FOR PAVED CONNECTIONS			
Course	Materials	Minimum Thickness (In.)	
		Connections	Roadway*
Structural	Asphaltic Concrete	1½"	1½"
Bases	Optional Base (See Specification 285)	O.B.G. 2	O.B.G. 3

* Travel way flares (bypass lanes), auxiliary lanes serving more than a single connection, and all median crossovers including their auxiliary lanes and/or transition tapers.

NOTES

1. Use same material for driveway structural course and roadway overbuild or structural course, except as approved by the Engineer for graded connections. Other Department-approved equivalent pavements may be used at the discretion of the Engineer.
2. Auxiliary lanes and their transition tapers shall be the same structure as the abutting travel way pavement thickness or any of the roadway structures tabulated above, whichever is thicker.
3. If an asphalt base course is used for a driveway, its thickness may be increased to match the edge of travel way pavement thickness in lieu of a separate structural course. 6" of Portland cement concrete will be acceptable in lieu of the asphalt base and structural courses. See Notes 4 and 5 below.
4. A structural course is required for flexible pavements when they are used for auxiliary lanes serving more than a single connection.
5. Use Class NS concrete at least 6" thick for driveways paved with Portland Cement Concrete. Construct in accordance with Specifications 347, 350, and 522.
6. The Department may require other pavement criteria where local conditions warrant.



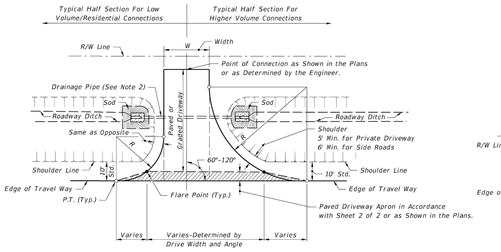
SECTION AA

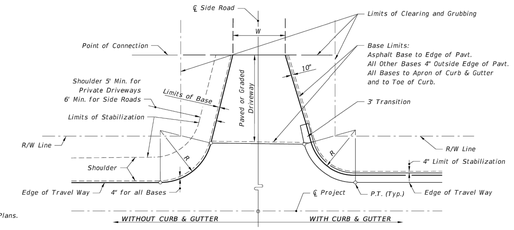
RESURFACING EXISTING DRIVEWAY

GENERAL NOTES:

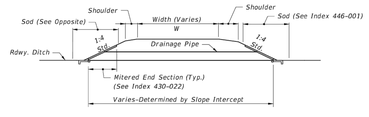
1. Driveways are to be constructed or resurfaced for low volume (single family, duplex, farm, etc.) residential connections as directed by the Engineer.
2. Driveways construction is not required for low volume residential connections where roadway shoulders are paved.
3. Match existing paved shoulder widths ≥ 4'. For all other shoulders conditions, construct at 5' wide.
4. Connections beyond the shoulder width are to be constructed as directed by the Engineer.
5. Construct Driveway Base in accordance with Specification 286.
6. Payment for structural course and friction course is to be included in roadway pavement pay item.

LAST REVISION	DESCRIPTION:	FDOT	FY 2025-26 STANDARD PLANS	PAVED AND GRADED DRIVEWAYS	INDEX	SHEET
11/01/18	REVISION				330-001	2 of 2

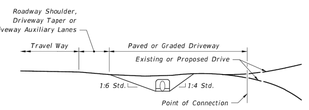




LIMITS OF CLEARING & GRUBBING, STABILIZING AND BASE AT DRIVEWAYS



DRAINAGE SECTION



DRIVEWAY PROFILE AND END VIEW

FLUSH SHOULDER ROADWAY - DRIVEWAY CONSTRUCTION

DRIVEWAY ENTRANCES NOTES:

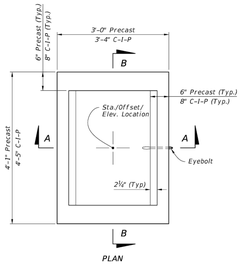
1. See Plans for Driveway Width (W) and Return Radius (R).
2. See the Plans for drainage pipe size and length or as determined by the Engineer. The size will be no less than 15" diameter or equivalent.
3. Stable material may be required for graded driveways to private property as directed by the Engineer in accordance with Specification 102-8.
4. The driveway pavement requirement at graded connections may be waived for connections serving one or two homes or field entrances with less than 20 trips per day, or 5 trips per hour as approved by the Engineer, or when not shown in the Plans.
5. Point of Connection:
   a. Construct paved driveways for all paved connecting facilities. The connecting point will be determined by the Engineer.
   b. Construct paved driveways for all business, commercial, industrial or high volume residential graded connecting facilities. Construct the connecting point 30'-0" from edge of travel way or at R/W line, whichever is less.
   c. Construct paved driveways for all side road connections. The R/W is the connecting point.

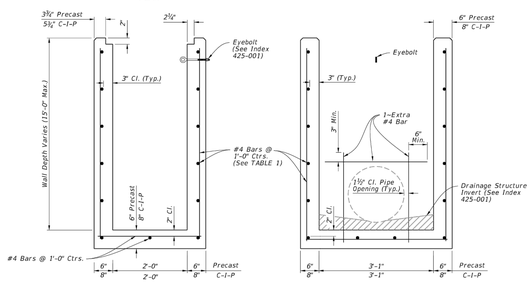
LAST REVISION	DESCRIPTION:	FDOT	FY 2025-26 STANDARD PLANS	PAVED AND GRADED DRIVEWAYS	INDEX	SHEET
11/01/18	REVISION				330-001	1 of 2

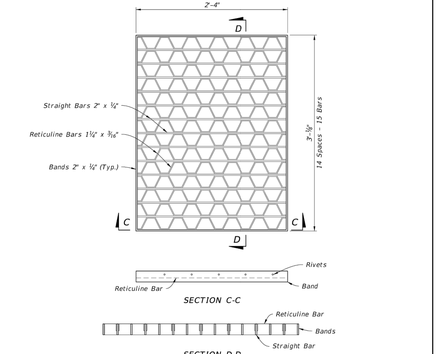
FDOT DRIVEWAY DETAILS

NOT TO SCALE

1







STEEL GRATE DETAIL

(Approx. 104 Lbs. - See Sheet 7 For Cast Iron Grates)

TABLE 1 HORIZONTAL WALL REINFORCING SCHEDULE				
WALL DEPTH	SCHEDULE	AREA (in.²/ft.)	MAX. SPACING	
			BARS	WWF
0 - 15'	A12	0.20	12"	8"

NOTES:

1. Grate, Concrete Apron, and Sod not shown on structure detail.
2. See Sheet 8, 9, and 10 for Concrete Apron and Sodded Area details.

DIMENSIONAL AND REINFORCING DETAILS

TYPE C - DIMENSIONAL, REINFORCING, AND STEEL GRATE DETAILS

LAST REVISION	DESCRIPTION:	FDOT	FY 2025-26 STANDARD PLANS	DITCH BOTTOM INLET TYPES C, D, E, AND H	INDEX	SHEET
11/01/20	REVISION				425-052	2 of 14

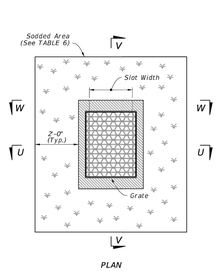
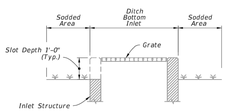


TABLE 6 SOD ONLY QUANTITIES	
Inlet Type	Sod SY
C	6
D	6
E	7
H	8



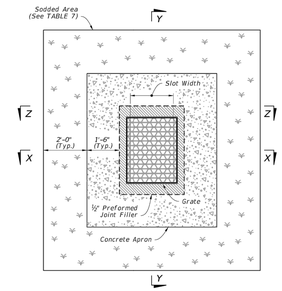
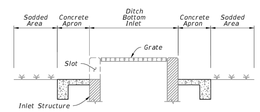
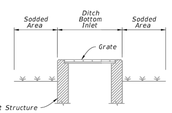
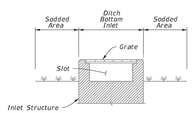


TABLE 7 SOD AND CONCRETE APRON QUANTITIES		
Inlet Type	Sod SY	Conc. CY
C	8	0.30
D	9	0.36
E	9	0.37
H	11	0.45

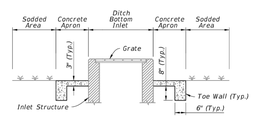


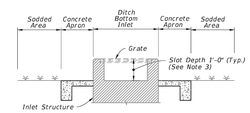




SODDING ONLY

(Slot Shown, Non-Slot Similar)





SODDING AND PAVEMENT

(Slot Shown, Non-Slot Similar)

NOTES:

1. Concrete Apron installed only where called for in the Plans.
2. Sod always required.

NON-TRAVERSABLE INLET DETAILS

LAST REVISION	DESCRIPTION:	FDOT	FY 2025-26 STANDARD PLANS	DITCH BOTTOM INLET TYPES C, D, E, AND H	INDEX	SHEET
11/01/23	REVISION				425-052	8 of 14

FDOT DITCH BOTTOM INLET TYPE C DETAILS

NOT TO SCALE

2

ISSUE	DATE	BY	DESCRIPTION
8	04/22/2026	GPG	FOR CHSID RESUBMISSION
7	03/27/2026	GPG	FOR COUNTY SUBMISSION
6	02/20/2026	GPG	FOR COUNTY SUBMISSION - ADMINISTRATIVE VARIANCE
5	01/23/2026	GPG	LANDSCAPE PLAN REVIEW
4	11/26/2025	GPG	FOR COUNTY RESUBMISSION - DOT
3	08/14/2025	GPG	FOR COUNTY SUBMISSION
3	07/10/2025	GPG	FOR 90% CLIENT REVIEW
2	06/27/2025	KGR	FOR 60% CLIENT REVIEW
1	06/13/2025	GPG	FOR CLIENT REVIEW

NOT APPROVED FOR CONSTRUCTION

STONEFIELD engineering & design
Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com
One Harbour Place, Suite 250, 777 S Harbour Island Blvd.
Tampa, FL 33602
Phone 813.793.2200

SITE DEVELOPMENT PLANS

CAR WASH FLORIDA

LEHIGH ACRES
PROPOSED CARWASH
PARCEL ID: 23-45-26-00063.0100 & 23-44-26-00063.0120
2701 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

JAMES S. KINOSIAN, P.E.
FLORIDA LICENSE No. 86000
LICENSED PROFESSIONAL ENGINEER
FLORIDA BUSINESS CERT. OF AUTH. No. 30078

STONEFIELD engineering & design

SCALE: AS SHOWN | PROJECT ID: TAM-250036

TITLE: CONSTRUCTION DETAILS

DRAWING: C-21

Z:\TAMPA\TAM2025\TAM-250036.01, CAR WASH - 3701 LEE BOULEVARD, LEHIGH ACRES, FL\CAD\PLOTS\PLH-11-DETS.DWG
11:43:31 AM 8/20/2024
11:43:28 AM 8/20/2024
11:44:09 AM 8/20/2024

LED Wall Pack light

WSD LED INC

Wattages: 15W,25W



CCT SELECTABLE

The Wall Pack LED Lighting Series can be widely used for Indoor or Outdoor (Wet Location) Excellent for Museums, Art Galleries, Shopping Malls, Office Buildings, Walls and many other applications.

Features:

- Lumileds LED, high luminous efficiency and long working life.
- High efficiency LED Driver, the wide range input voltage AC120-277V.
- Die Cast aluminium cooling design,high quality and better cooling for LED Tj < 85℃.
- Excellent Optics design, greatly improve the light utilization and evenness.
- The 1-10V Dimming type is continuous.

Packaging information:

❖**WSD-WP015W27-345K:**

Carton Size:545mmX230mmX285mm
21.46"x9.06"x11.22" (12Pcs/CTN)

❖**WSD-WP025W27-345K:**

Carton Size:545mmX230mmX285mm
21.46"x9.06"x11.22" (12Pcs/CTN)

SPECIFICATION						
TYPE	WSD-WP015W27-345K			WSD-WP025W27-345K		
WATTAGE	15W			25W		
CCT	3000K	4000K	5000K	3000K	4000K	5000K
LUMEN	2130 lm	2246 lm	2218 lm	3423 lm	3656 lm	3571 lm
EFFICACY	> 150 lm/W					
CRI	> 70					
INPUT VOLTAGE	AC120-277V					
LIGHTING ANGLE	112.4°X105.3°					
FACTORY SETTINGS	4000K					
LED TYPE	2835					
PF	> 0.95					
DRIVER EFFICIENCY	> 89%					
PROTECTION LEVEL	WET					
LIFE TIME	> 50000 hours					
WARRANTY	5 year limited					

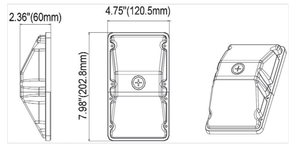
Address: 1250 Wattley Way, Suite 100, McKinney, TX 75069
Email: leo.zhu@wisdom-ssl.com • Tel: 469.857.5693 / 214.940.9558

LED Wall Pack light

WSD LED INC

Wattages: 15W,25W

DIMENSION:



15W/25W

Specifications:

Shell materials: Aluminum & PC.
Net weight : 1.26 lbs
Finish: Dark Bronze(Standard)
Product Size:202.8mmX120.5mmX60mm
7.98"X4.75"X2.36"

Control Module:

The LED Wall Pack light can adjust the color temperature of the whole lamp, which is convenient and fast. The color temperature can be selected according to the actual needs of customers.



CCT SELECTABLE

ORDERING INFORMATION:

EXAMPLE:

WSD-WP015W27-345K-Z[D,W,B,S]-Y[Blank,P] / WSD-WP025W27-345K-Z[D,W,B,S]-Y[Blank,P]

WSD	WP	015	27	345K	Z	Y
COMPANY	PRODUCT	POWER	VOLTAGE	CCT	FINISH	CONTROL
WSD LED INC	**WP** Wall Pack light	**015** (15W) **025** (25W)	**27** AC120-277V	**345K** 3000K/4000K/5000K	D (Dark Bronze) W (White) B (Black) S (Silvery)	**P** (Photocell)

Address: 1250 Wattley Way, Suite 100, McKinney, TX 75069
Email: leo.zhu@wisdom-ssl.com • Tel: 469.857.5693 / 214.940.9558

LIGHT FIXTURE 'A' DETAILS

NOT TO SCALE

1

Catalog # : _____ Project : _____ Type : _____
Prepared By : _____ Date : _____

LifeStyle Medium (XDLM)

Outdoor Decorative Area Light



IP65

OVERVIEW	
Lumen Package (lm)	5,000 - 25,000
Wattage Range (W)	39 - 196
Efficacy Range (LPW)	120 - 168
Weight lbs (kg)	36 (16.3)

QUICK LINKS

Ordering Guide | Performance | Photometrics | Dimensions

FEATURES & SPECIFICATIONS

Construction

- Rugged die-cast aluminum crown.
- Wiring emerges from crown through compression seal fitting to prevent water entry. One-piece silicone gasket seals crown to shade for water- and dust-tight construction.
- Spun aluminum shade with two shade styles available: A - Angle and B - Bell.
- Brackets are extruded and cast aluminum assemblies or fabrications. All decorative elements are die cast or extruded aluminum.
- Fixtures are finished with LSI's DuraGrip® polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling. Other standard LSI finishes available. Consult factory.
- Shipping weight in carton - 36 lbs (16.3 kg).

Optical System

- State-of-the-Art one piece silicone optic sheet delivers industry leading optical control with an integrated gasket to provide IP65 rated seal.
- Proprietary silicone refractor optics provide exceptional coverage and uniformity in distribution types 2, 3, 5W and FT.
- Silicone optical material does not yellow or crack with age and provides a typical light transmittance of 93%.
- Zero uplight.
- Available in 5000K, 4000K, and 3000K color temperatures per ANSI C78.377.

- Minimum CRI of 70.
- Integral louver (IL) option available for improved backlight control with minimal sacrifice to street side performance.

Electrical

- High-performance driver features overvoltage, under-voltage, short-circuit and over temperature protection.
- 0-10V dimming (10% - 100%) standard.
- Standard Universal Voltage (120-277 VAC) Input. 50/60 Hz or optional High Voltage (347-480 VAC).
- L80 Calculated Life: >100k Hours.
- Total harmonic distortion: <20%
- Operating temperature: -40°C to +40°C (-40°F to +104°F).
- Power factor: >.90
- Input power stays constant over life.
- Field replaceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).
- High-efficacy LEDs mounted to metal-core circuit board to maximize heat dissipation
- Driver is fully encased in potting material for moisture resistance and complies with FCC standards.

Controls

- Optional integral passive infrared Bluetooth™ motion and photocell sensor. Fixtures operate independently and can be commissioned via iOS or Android configuration app.

Installation

- Classic Hook (CH) and Side Arm available. See Steel Round Pole and Aluminum Round Pole data sheets for pole selection information.
- Classic hook mount requires a 4" O.D. pole or tenon.
- Side Arm pole mount utilizes LSI's traditional B3 drill pattern.

Warranty

- LSI luminaires carry a 5-year limited warranty. Refer to https://www.lsicorp.com/resources/terms-conditions-warranty/ for more information.

Listings

- Listed to UL 1598 and UL 8750.
- Meets Buy American Act requirements.
- Title 24 Compliant; see local ordinance for qualification information.
- Suitable for wet locations.
- IP65 rated Luminaire per IEC 60598-1.
- Patented Silicone Optics (US Patent NO. 10,816,165 B2).
- DarkSky approved; with 3000K CCT or warmer color temperature selection.
- DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL, to confirm which versions are qualified.Please check the DLC Qualified Products List at www.designlights.org/QPL, to confirm which versions are qualified.

Specifications are subject to change without notice.

LSI Industries Inc. 10000 Alliance Rd. Cincinnati, OH 45242 • (513) 372-3200 • www.lsicorp.com
LSI Industries Inc. All Rights Reserved. Specifications and dimensions subject to industry standard tolerances. Specifications subject to change without notice.

LIGHT FIXTURE 'B' DETAILS

NOT TO SCALE

LifeStyle Medium (XDLM) Outdoor Decorative Area Light

Type : _____

Have questions? Call us at (800) 436-7800

ORDERING GUIDE

Back to Quick Links

TYPICAL ORDER EXAMPLE: XDLM B 3 LED SS NW UE BLK CH S PC1120

Prefix	Shade	Distribution	Light Source	Lumen Package	Color Temperature	Voltage	Finish
XDLM - LifeStyle Medium	**A** - Angle **B** - Bell	**2** - Type 2 **3** - Type 3 **5** - Type 5 **FT** - Type 4 (Forward Throw)	**LED**	**VLW** - 5,000 lms **LW** - 8,000 lms **SS** - 12,000 lms **HO** - 18,000 lms **VHO** - 25,000 lms Custom Lumen Packages[1]	**CW** - 5,000K CCT **NW** - 4,000K CCT DarkSky Approved CCT's **WW** - 3,000K CCT	**UE** - Universal Voltage (120 - 277V) **347-480** - High Voltage (347-480V)	**BLK** - Black **BRZ** - Bronze **WHT** - White **GPT** - Graphite **GMG** - Gun Metal Grey **MSV** - Metallic Silver **PLP** - Platinum Plus **SVG** - Satin Verde Green

Mounting Style[2,3]	Mounting Configuration[2,3]	Controls	Options
CH - Classic Hook **SA5** - Side Arm Mount for 4" O.D. Round Poles[4] **SA5** - Side Arm Mount for 5" O.D. Round Poles[4] **SAW** - Side Arm Wall Mount	**S** - Single **D180** - Double @ 180° **D90** - Double @ 90°[5] **T90** - Triple @ 90°[5] **TN120** - Triple @ 120°[5] **Q90** - Quad[5]	**IMSBT1** - Integral Bluetooth™ Motion and Photocell Sensor max 8-24' mounting height[6] **IMSBT2** - Integral Bluetooth™ Motion and Photocell Sensor max 25-40' mounting height[6] **ALBMR1LB** - AirLink Blue Long Range Wireless Multi-Range Sensor Controller (8-15' MH)[6] **ALBMR2LB** - AirLink Blue Long Range Wireless Multi-Range Sensor Controller (16-40' MH)[6]	**IL** - Integral Louver Shield

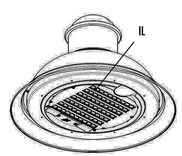
Need more information? Click here for our glossary

Have additional questions? Call us at (800) 436-7800

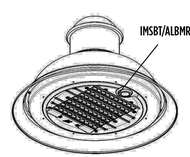
ACCESSORY ORDERING INFORMATION

Part Number	Description
FK120[7]	Single Fusing (120V)
FK277[7]	Single Fusing (277V)
DF480[7]	Double Fusing (480V)
DF347[7]	Double Fusing (347V)

Fixture Shown With Integral Louver



Fixture Shown With Integral Sensor



1 Custom lumen and wattage packages available; consult factory. Values are within industry standard tolerances but not DLC listed.
2 When ordering a multiple configuration (D180, etc.) order one fixture/bracket configuration per pole - i.e. order one XDLMB 3 LED SS CW UE BLK CH D180 PCXXX to receive two fixtures and one CH D180 bracket (see drawing on this page). See STEEL ROUND POLES and ALUMINUM ROUND POLES data sheets for pole ordering information.
3 See Lifestyle Bracket ordering chart for Mounting Style/Configurations availability.
4 BS drilling pattern required.
5 For use with SA4 and SA5 mounting styles only.
6 Sensors are field configurable via a phone app that can be downloaded from your smartphone's native app store.
7 Fusing must be located in the hand hole of pole.

LSI Industries Inc. 10000 Alliance Rd. Cincinnati, OH 45242 • (513) 372-3200 • www.lsicorp.com
LSI Industries Inc. All Rights Reserved. Specifications and dimensions subject to industry standard tolerances. Specifications subject to change without notice.

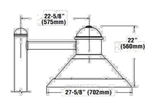
LifeStyle Medium (XDLM) Outdoor Decorative Area Light

Type : _____

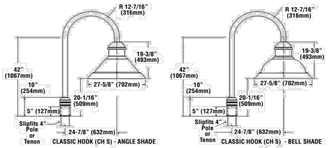
Have questions? Call us at (800) 436-7800

PRODUCT DIMENSIONS

Back to Quick Links

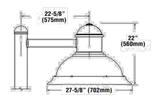


SIDE ARM (SA4 S) - ANGLE SHADE



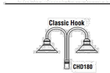
CLASSIC HOOK (CH S) - ANGLE SHADE

CLASSIC HOOK (CH S) - BELL SHADE



SIDE ARM (SA4 S) - BELL SHADE

See Lifestyle Brackets and Mounts in outdoor section of latest Buyers Guide for details on other bracket sizes.



Classic Hook
CHD180



Side Arm
SAD180



SAW

LUMINAIRE EPA CHART - XDLM	
Single	1.8
D180°	3.1
D90°	2.7
T90°	4.0
TN120°	4.0
Q90°	4.9

Note: Includes Bracket

LSI Industries Inc. 10000 Alliance Rd. Cincinnati, OH 45242 • (513) 372-3200 • www.lsicorp.com
LSI Industries Inc. All Rights Reserved. Specifications and dimensions subject to industry standard tolerances. Specifications subject to change without notice.

2

ISSUE	DATE	BY	DESCRIPTION
8	04/22/2026	GPG	FOR CHSID RESUBMISSION
7	03/27/2026	GPG	FOR COUNTY SUBMISSION
6	02/20/2026	GPG	FOR COUNTY SUBMISSION - ADMINISTRATIVE VARIANCE
5	01/23/2026	GPG	LANDSCAPE PLAN REVIEW
4	11/26/2025	GPG	FOR COUNTY RESUBMISSION - DOT
3	08/14/2025	GPG	FOR COUNTY SUBMISSION
3	07/10/2025	GPG	FOR 90% CLIENT REVIEW
2	06/27/2025	KGR	FOR 60% CLIENT REVIEW
1	06/13/2025	GPG	FOR CLIENT REVIEW

NOT APPROVED FOR CONSTRUCTION

STONEFIELD engineering & design
Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com
One Harbour Place, Suite 250, 777 S Harbour Island Blvd.
Tampa, FL 33602
Phone 813.793.2200

SITE DEVELOPMENT PLANS

CAR WASH FLORIDA

LEHIGH ACRES

PROPOSED CARWASH
PARCEL ID: 23-45-26-A5-00063.0100 & 23-44-26-B0-00063.0120
2701 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

JAMES S. KINOSIAN, P.E.
FLORIDA LICENSE No. 86000
LICENSED PROFESSIONAL ENGINEER
FLORIDA BUSINESS CERT. OF AUTH. No. 30078

STONEFIELD engineering & design

SCALE: AS SHOWN | PROJECT ID: TAM-250036

TITLE:

CONSTRUCTION DETAILS

DRAWING:

C-22

Z:\PROJECTS\2025\TAM-250036\4-DL CAR WASH - 2701 LEE BOULEVARD, LEHIGH ACRES, FL\CAD\PHOTOPDF\4-DETS.PHOTOPDF

Catalog # : _____ Project : _____ Type : _____

Prepared By : _____ Date : _____

LifeStyle Medium (XDLM)

Outdoor Decorative Area Light



OVERVIEW	
Lumen Package (lm)	5,000 - 25,000
Wattage Range (W)	39 - 196
Efficacy Range (LPW)	120 - 168
Weight lbs (kg)	36 (16.3)

QUICK LINKS

Ordering Guide | Performance | Photometrics | Dimensions

FEATURES & SPECIFICATIONS

Construction

- Rugged die-cast aluminum crown.
- Wiring emerges from crown through compression seal fitting to prevent water entry. One-piece silicone gasket seals crown to shade for water- and dust-tight construction.
- Spun aluminum shade with two shade styles available: A - Angle and B - Bell.
- Brackets are extruded and cast aluminum assemblies or fabrications. All decorative elements are die cast or extruded aluminum.
- Fixtures are finished with LSI's DuraGrip® polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling. Other standard LSI finishes available. Consult factory.
- Shipping weight in carton - 36 lbs (16.3 kg).

Optical System

- State-of-the-Art one piece silicone optic sheet delivers industry leading optical control with an integrated gasket to provide IP65 rated seal.
- Proprietary silicone refractor optics provide exceptional coverage and uniformity in distribution types 2, 3, SW and FT.
- Silicone optical material does not yellow or crack with age and provides a typical light transmittance of 93%.
- Zero uplight.
- Available in 5000K, 4000K, and 3000K color temperatures per ANSI C78.377.
- Minimum CRI of 70.
- Integral louver (IL) option available for improved backlight control with minimal sacrifice to street side performance.

Electrical

- High-performance driver features overvoltage, under-voltage, short-circuit and over temperature protection.
- 0-10V dimming (10% - 100%) standard.
- Standard Universal Voltage (120-277 VAC) Input 50/60 Hz or optional High Voltage (347-480 VAC).
- L80 Calculated Life: >100k Hours.
- Total harmonic distortion: <20%
- Operating temperature: -40°C to +40°C (-40°F to +104°F).
- Power factor: >.90
- Input power stays constant over life.
- Field replaceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).
- High-efficacy LEDs mounted to metal-core circuit board to maximize heat dissipation
- Driver is fully encased in potting material for moisture resistance and complies with FCC standards.

Controls

- Optional integral passive infrared Bluetooth™ motion and photocell sensor. Fixtures operate independently and can be commissioned via iOS or Android configuration app.

Installation

- Classic Hook (CH) and Side Arm available. See Steel Round Pole and Aluminum Round Pole data sheets for pole selection information.
- Classic hook mount requires a 4" O.D. pole or tenon.
- Side Arm pole mount utilizes LSI's traditional B3 drill pattern.

Warranty

- LSI luminaires carry a 5-year limited warranty. Refer to https://www.lsicorp.com/resources/terms-conditions-warranty/ for more information.

Listings

- Listed to UL 1598 and UL 8750.
- Meets Buy American Act requirements.
- Title 24 Compliant; see local ordinance for qualification information.
- Suitable for wet locations.
- IP65 rated Luminaire per IEC 60598-1.
- Patented Silicone Optics (US Patent NO. 10,816,165 B2).
- DarkSky approved; with 3000K CCT or warmer color temperature selection.
- DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

Specifications are subject to change without notice.

©LSI Industries Inc. All Rights Reserved. Specifications and dimensions subject to industry standard tolerances. Specifications subject to change without notice.

LifeStyle Medium (XDLM) Outdoor Decorative Area Light

Type : _____

Have questions? Call us at (800) 436-7800

ORDERING GUIDE

Back to Quick Links

TYPICAL ORDER EXAMPLE: XDLM B 3 LED SS NW UE BLK CH S PC1120

Prefix	Shade	Distribution	Light Source	Lumen Package	Color Temperature	Voltage	Finish
XDLM - LifeStyle Medium	**A** - Angle **B** - Bell	**2** - Type 2 **3** - Type 3 **5** - Type 5 **FT** - Type 4 (Forward Throw)	**LED**	**VLW** - 5,000 lms **LW** - 8,000 lms **SS** - 12,000 lms **HO** - 18,000 lms **VHO** - 25,000 lms Custom Lumen Packages[1]	**CW** - 5,000K CCT **NW** - 4,000K CCT *DarkSky Approved (CT's* **WW** - 3,000K CCT	**UE** - Universal Voltage (120 - 277V) **347-480** - High Voltage (347-480V)	**BLK** - Black **BRZ** - Bronze **WHT** - White **GPT** - Graphite **GMG** - Gun Metal Grey **MSV** - Metallic Silver **PLP** - Platinum Plus **SVG** - Satin Verde Green

Mounting Style[2,3]	Mounting Configuration[2,3]	Controls	Options
CH - Classic Hook **SA4** - Side Arm Mount for 4" O.D. Round Poles[4] **SA5** - Side Arm Mount for 5" O.D. Round Poles[4] **SAW** - Side Arm Wall Mount	**S** - Single **D180** - Double @ 180° **D90** - Double @ 90°[5] **T90** - Triple @ 90°[5] **TN120** - Triple @ 120°[5] **Q90** - Quad[5]	**IMSBT1** - Integral Bluetooth™ Motion and Photocell Sensor max 8-24' mounting height[6] **IMSBT2** - Integral Bluetooth™ Motion and Photocell Sensor max 25-40' mounting height[6] **ALBMR2LB** - AirLink Blue Long Range Wireless Multi-Range Sensor Controller (8-15' MH)[6] **ALBMR2LB** - AirLink Blue Long Range Wireless Multi-Range Sensor Controller (16-40' MH)[6]	**IL** - Integral Louver Shield

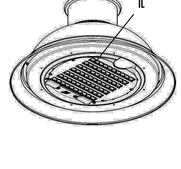
Need more information? Click here for our glossary

Have additional questions? Call us at (800) 436-7800

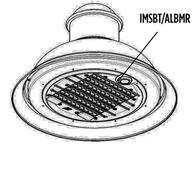
ACCESSORY ORDERING INFORMATION

Part Number	Description
FK120[7]	Single Fusing (120V)
FK277[7]	Single Fusing (277V)
DFK480[7]	Double Fusing (480V)
DFK347[7]	Double Fusing (347V)

Fixture Shown With Integral Louver



Fixture Shown With Integral Sensor



1 Custom lumen and wattage packages available, consult factory. Values are within industry standard tolerances but not DLC listed.
2 When ordering a multiple configuration (D180, etc.) order one fixture/bracket configuration per pole - i.e. order one XDLM3 LED SS CW UE BLK CH D180 PC1120 to receive two fixtures and one CH D180 bracket (see drawing on this page). See STEEL ROUND POLES and ALUMINUM ROUND POLES data sheets for pole ordering information.
3 See Lifestyle Bracket ordering chart for Mounting Style/Configurations availability.
4 BS drilling pattern required.
5 For use with SA4 and SA5 mounting styles only.
6 Sensors are field configurable via a phone app that can be downloaded from your smartphone's native app store.
7 Fusing must be located in the hand hole of pole.

©LSI Industries Inc. All Rights Reserved. Specifications and dimensions subject to industry standard tolerances. Specifications subject to change without notice.

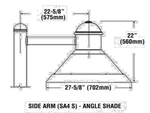
LifeStyle Medium (XDLM) Outdoor Decorative Area Light

Type : _____

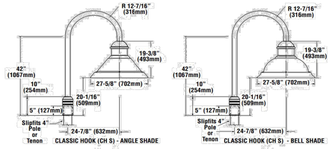
Have questions? Call us at (800) 436-7800

PRODUCT DIMENSIONS

Back to Quick Links



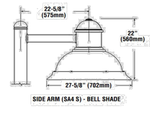
SIDE ARM (SA4 S) - ANGLE SHADE



CLASSIC HOOK (CH S) - ANGLE SHADE

CLASSIC HOOK (CH S) - BELL SHADE

See Lifestyle Brackets and Mounts in outdoor section of latest Buyers Guide for details on other bracket sizes.



SIDE ARM (SA4 S) - BELL SHADE





LUMINAIRE EPA CHART - XDLM	
Single	1.8
D180°	3.1
D90°	2.7
T90°	4.0
TN120°	4.0
Q90°	4.9

Note: Includes Bracket

©LSI Industries Inc. All Rights Reserved. Specifications and dimensions subject to industry standard tolerances. Specifications subject to change without notice.

LIGHT FIXTURE 'C' DETAILS

NOT TO SCALE

1

Catalog # : _____ Project : _____ Type : _____

Prepared By : _____ Date : _____

LifeStyle Medium (XDLM)

Outdoor Decorative Area Light



OVERVIEW	
Lumen Package (lm)	5,000 - 25,000
Wattage Range (W)	39 - 196
Efficacy Range (LPW)	120 - 168
Weight lbs (kg)	36 (16.3)

QUICK LINKS

Ordering Guide | Performance | Photometrics | Dimensions

FEATURES & SPECIFICATIONS

Construction

- Rugged die-cast aluminum crown.
- Wiring emerges from crown through compression seal fitting to prevent water entry. One-piece silicone gasket seals crown to shade for water- and dust-tight construction.
- Spun aluminum shade with two shade styles available: A - Angle and B - Bell.
- Brackets are extruded and cast aluminum assemblies or fabrications. All decorative elements are die cast or extruded aluminum.
- Fixtures are finished with LSI's DuraGrip® polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling. Other standard LSI finishes available. Consult factory.
- Shipping weight in carton - 36 lbs (16.3 kg).

Optical System

- State-of-the-Art one piece silicone optic sheet delivers industry leading optical control with an integrated gasket to provide IP65 rated seal.
- Proprietary silicone refractor optics provide exceptional coverage and uniformity in distribution types 2, 3, SW and FT.
- Silicone optical material does not yellow or crack with age and provides a typical light transmittance of 93%.
- Zero uplight.
- Available in 5000K, 4000K, and 3000K color temperatures per ANSI C78.377.
- Minimum CRI of 70.
- Integral louver (IL) option available for improved backlight control with minimal sacrifice to street side performance.

Electrical

- High-performance driver features overvoltage, under-voltage, short-circuit and over temperature protection.
- 0-10V dimming (10% - 100%) standard.
- Standard Universal Voltage (120-277 VAC) Input 50/60 Hz or optional High Voltage (347-480 VAC).
- L80 Calculated Life: >100k Hours.
- Total harmonic distortion: <20%
- Operating temperature: -40°C to +40°C (-40°F to +104°F).
- Power factor: >.90
- Input power stays constant over life.
- Field replaceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).
- High-efficacy LEDs mounted to metal-core circuit board to maximize heat dissipation
- Driver is fully encased in potting material for moisture resistance and complies with FCC standards.

Controls

- Optional integral passive infrared Bluetooth™ motion and photocell sensor. Fixtures operate independently and can be commissioned via iOS or Android configuration app.

Installation

- Classic Hook (CH) and Side Arm available. See Steel Round Pole and Aluminum Round Pole data sheets for pole selection information.
- Classic hook mount requires a 4" O.D. pole or tenon.
- Side Arm pole mount utilizes LSI's traditional B3 drill pattern.

Warranty

- LSI luminaires carry a 5-year limited warranty. Refer to https://www.lsicorp.com/resources/terms-conditions-warranty/ for more information.

Listings

- Listed to UL 1598 and UL 8750.
- Meets Buy American Act requirements.
- Title 24 Compliant; see local ordinance for qualification information.
- Suitable for wet locations.
- IP65 rated Luminaire per IEC 60598-1.
- Patented Silicone Optics (US Patent NO. 10,816,165 B2).
- DarkSky approved; with 3000K CCT or warmer color temperature selection.
- DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

Specifications are subject to change without notice.

LSI Industries Inc. 10000 Alliance Rd. Cincinnati, OH 45242 • (513) 372-3200 • www.lsicorp.com
©LSI Industries Inc. All Rights Reserved. Specifications and dimensions subject to industry standard tolerances. Specifications subject to change without notice.
Page 1/7 Rev: 06/09/25
SPEC.1167.A.0625

LifeStyle Medium (XDLM) Outdoor Decorative Area Light

Type : _____

Have questions? Call us at (800) 436-7800

ORDERING GUIDE

Back to Quick Links

TYPICAL ORDER EXAMPLE: XDLM B 3 LED SS NW UE BLK CH S PC1120

Prefix	Shade	Distribution	Light Source	Lumen Package	Color Temperature	Voltage	Finish
XDLM - LifeStyle Medium	**A** - Angle **B** - Bell	**2** - Type 2 **3** - Type 3 **5** - Type 5 **FT** - Type 4 (Forward Throw)	**LED**	**VLW** - 5,000 lms **LW** - 8,000 lms **SS** - 12,000 lms **HO** - 18,000 lms **VHO** - 25,000 lms Custom Lumen Packages[1]	**CW** - 5,000K CCT **NW** - 4,000K CCT *DarkSky Approved (CT's* **WW** - 3,000K CCT	**UE** - Universal Voltage (120 - 277V) **347-480** - High Voltage (347-480V)	**BLK** - Black **BRZ** - Bronze **WHT** - White **GPT** - Graphite **GMG** - Gun Metal Grey **MSV** - Metallic Silver **PLP** - Platinum Plus **SVG** - Satin Verde Green

Mounting Style[2,3]	Mounting Configuration[2,3]	Controls	Options
CH - Classic Hook **SA4** - Side Arm Mount for 4" O.D. Round Poles[4] **SA5** - Side Arm Mount for 5" O.D. Round Poles[4] **SAW** - Side Arm Wall Mount	**S** - Single **D180** - Double @ 180° **D90** - Double @ 90°[5] **T90** - Triple @ 90°[5] **TN120** - Triple @ 120°[5] **Q90** - Quad[5]	**IMSBT1** - Integral Bluetooth™ Motion and Photocell Sensor max 8-24' mounting height[6] **IMSBT2** - Integral Bluetooth™ Motion and Photocell Sensor max 25-40' mounting height[6] **ALBMR2LB** - AirLink Blue Long Range Wireless Multi-Range Sensor Controller (8-15' MH)[6] **ALBMR2LB** - AirLink Blue Long Range Wireless Multi-Range Sensor Controller (16-40' MH)[6]	**IL** - Integral Louver Shield

Need more information? Click here for our glossary

Have additional questions? Call us at (800) 436-7800

ACCESSORY ORDERING INFORMATION

Part Number	Description
FK120[7]	Single Fusing (120V)
FK277[7]	Single Fusing (277V)
DFK480[7]	Double Fusing (480V)
DFK347[7]	Double Fusing (347V)

Fixture Shown With Integral Louver

Fixture Shown With Integral Sensor

1 Custom lumen and wattage packages available, consult factory. Values are within industry standard tolerances but not DLC listed.
2 When ordering a multiple configuration (D180, etc.) order one fixture/bracket configuration per pole - i.e. order one XDLM3 LED SS CW UE BLK CH D180 PC1120 to receive two fixtures and one CH D180 bracket (see drawing on this page). See STEEL ROUND POLES and ALUMINUM ROUND POLES data sheets for pole ordering information.
3 See Lifestyle Bracket ordering chart for Mounting Style/Configurations availability.
4 BS drilling pattern required.
5 For use with SA4 and SA5 mounting styles only.
6 Sensors are field configurable via a phone app that can be downloaded from your smartphone's native app store.
7 Fusing must be located in the hand hole of pole.

LSI Industries Inc. 10000 Alliance Rd. Cincinnati, OH 45242 • (513) 372-3200 • www.lsicorp.com
©LSI Industries Inc. All Rights Reserved. Specifications and dimensions subject to industry standard tolerances. Specifications subject to change without notice.
Page 2/7 Rev: 06/09/25
SPEC.1167.A.0625

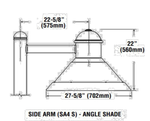
LifeStyle Medium (XDLM) Outdoor Decorative Area Light

Type : _____

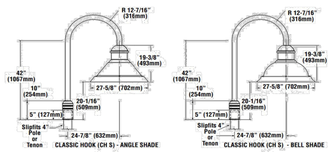
Have questions? Call us at (800) 436-7800

PRODUCT DIMENSIONS

Back to Quick Links



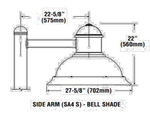
SIDE ARM (SA4 S) - ANGLE SHADE



CLASSIC HOOK (CH S) - ANGLE SHADE

CLASSIC HOOK (CH S) - BELL SHADE

See Lifestyle Brackets and Mounts in outdoor section of latest Buyers Guide for details on other bracket sizes.



SIDE ARM (SA4 S) - BELL SHADE





LUMINAIRE EPA CHART - XDLM	
Single	1.8
D180°	3.1
D90°	2.7
T90°	4.0
TN120°	4.0
Q90°	4.9

Note: Includes Bracket

LSI Industries Inc. 10000 Alliance Rd. Cincinnati, OH 45242 • (513) 372-3200 • www.lsicorp.com
©LSI Industries Inc. All Rights Reserved. Specifications and dimensions subject to industry standard tolerances. Specifications subject to change without notice.
Page 6/7 Rev: 06/09/25
SPEC.1167.A.0625

LIGHT FIXTURE 'D' DETAILS

NOT TO SCALE

2

ISSUE	DATE	BY	DESCRIPTION
8	04/22/2026	GPG	FOR CHSID RESUBMISSION
7	03/27/2026	GPG	FOR COUNTY SUBMISSION
6	02/20/2026	GPG	FOR COUNTY SUBMISSION - ADMINISTRATIVE VARIANCE
5	01/23/2026	GPG	LANDSCAPE PLAN REVIEW
4	11/26/2025	GPG	FOR COUNTY RESUBMISSION - DOT
3	08/14/2025	GPG	FOR COUNTY SUBMISSION
3	07/10/2025	GPG	FOR 90% CLIENT REVIEW
2	06/27/2025	KGR	FOR 60% CLIENT REVIEW
1	06/13/2025	GPG	FOR CLIENT REVIEW

NOT APPROVED FOR CONSTRUCTION

STONEFIELD engineering & design
Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com
One Harbour Place, Suite 250, 777 S Harbour Island Blvd.
Tampa, FL 33602
Phone 813.793.2200

SITE DEVELOPMENT PLANS

CAR WASH FLORIDA

LEHIGH ACRES
PROPOSED CARWASH

PARCEL ID: 23-45-26-A5-00063.0100 & 23-44-26-B0-00063.0120
2701 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

JAMES S. KINOSIAN, P.E.
FLORIDA LICENSE No. 86000
LICENSED PROFESSIONAL ENGINEER
FLORIDA BUSINESS CERT. OF AUTH. No. 30078

STONEFIELD engineering & design

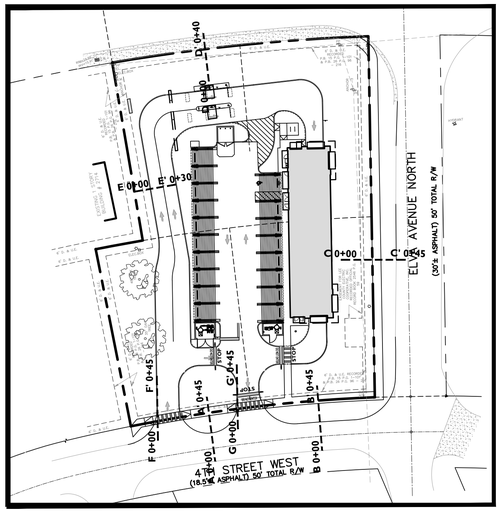
SCALE: AS SHOWN | PROJECT ID: TAM-250036

TITLE: CONSTRUCTION DETAILS

DRAWING: C-23

Z:\TAMPA\TAM\2025\TAM-250036\4_CAD\14-SHEET\LEHIGH ACRES_FL\CAD\PHOTOSHOP\11-DETL.DWG

2

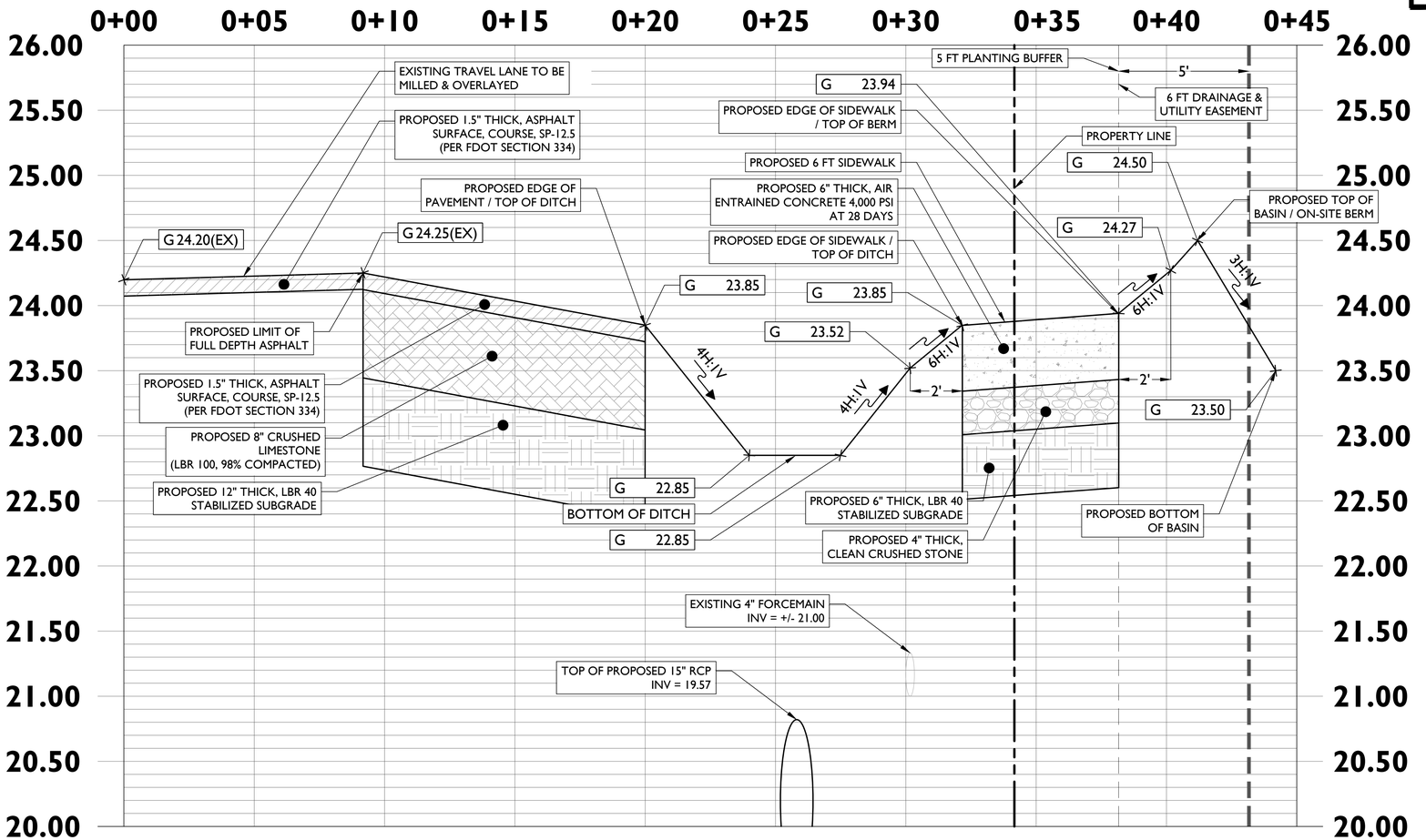


PLAN VIEW SCALE

50' 0' 50' 100'

GRAPHIC SCALE IN FEET

1" = 50'



A - A' SECTION

SYMBOL	DESCRIPTION
	PROPERTY LINE
× G 100.00	PROPOSED GRADE SPOT SHOT
× TC 100.50 / BC 100.00	PROPOSED TOP OF CURB / BOTTOM OF CURB SPOT SHOT
× TW 100.50 / BW 100.00	PROPOSED TOP OF WALL / BOTTOM OF WALL SPOT SHOT

SECTION VERTICAL SCALE

1' 0' 1' 2'

GRAPHIC SCALE IN FEET

1"=2'

SECTION HORIZONTAL SCALE

5' 0' 5' 10'

GRAPHIC SCALE IN FEET

1" = 5'

ISSUE	DATE	BY	DESCRIPTION
8	04/22/2026	GPG	FOR CHSID RESUBMISSION
7	03/27/2026	GPG	FOR COUNTY SUBMISSION
6	02/20/2026	GPG	FOR COUNTY SUBMISSION - ADMINISTRATIVE VARIANCE
5	01/23/2026	GPG	LANDSCAPE PLAN REVIEW
4	11/26/2025	GPG	FOR COUNTY RESUBMISSION - DOT
3	08/14/2025	GPG	FOR COUNTY SUBMISSION
3	07/10/2025	GPG	FOR 90% CLIENT REVIEW
2	06/27/2025	KGR	FOR 60% CLIENT REVIEW
1	06/13/2025	GPG	FOR CLIENT REVIEW

NOT APPROVED FOR CONSTRUCTION

STONEFIELD engineering & design

Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com

One Harbour Place, Suite 250, 777 S Harbour Island Blvd.
Tampa, FL 33602
Phone 813.793.2200

SITE DEVELOPMENT PLANS

CAR WASH FLORIDA

LEHIGH ACRES
PROPOSED CARWASH

PARCEL ID: 23-45-26-A5-00063.0100 & 23-44-26-05-00063.0120
2701 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

JAMES S. KINOSIAN, P.E.
FLORIDA LICENSE No. 86000
LICENSED PROFESSIONAL ENGINEER
FLORIDA BUSINESS CERT. OF AUTH. No. 30078

STONEFIELD engineering & design

SCALE: AS SHOWN | PROJECT ID: TAM-250036

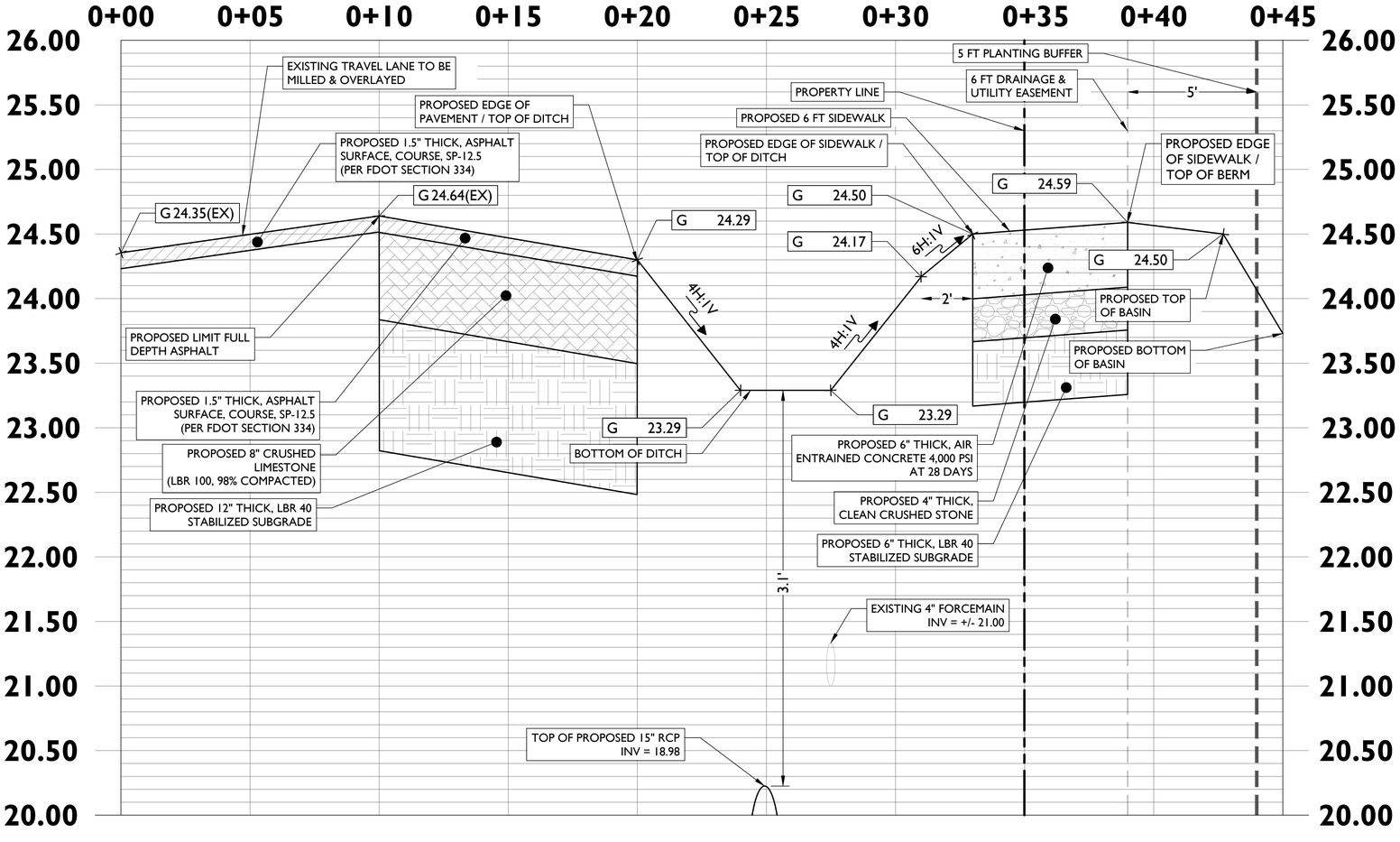
TITLE:

CROSS SECTIONS

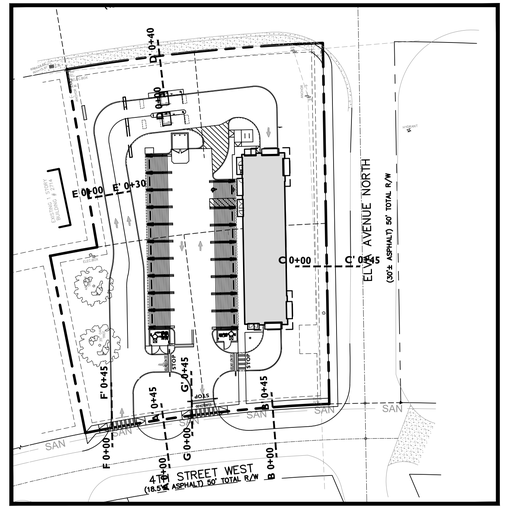
DRAWING:

C-24

Z:\TAMPA\PROJECTS\TAM-250036 EL CAR WASH - 3701 LEE BOULEVARD, LEHIGH ACRES, FL\CAD\PLOT\TEDP-24-SECT.DWG



B - B' SECTION



PLAN VIEW SCALE
50' 0' 50' 100'
GRAPHIC SCALE IN FEET
1" = 50'

SYMBOL	DESCRIPTION
———	PROPERTY LINE
× G 100.00	PROPOSED GRADE SPOT SHOT
× TC 100.50 / BC 100.00	PROPOSED TOP OF CURB / BOTTOM OF CURB SPOT SHOT
× TW 100.50 / BW 100.00	PROPOSED TOP OF WALL / BOTTOM OF WALL SPOT SHOT

SECTION VERTICAL SCALE
1' 0' 1' 2'
GRAPHIC SCALE IN FEET
1"=2'

SECTION HORIZONTAL SCALE
5' 0' 5' 10'
GRAPHIC SCALE IN FEET
1" = 5'

ISSUE	DATE	BY	DESCRIPTION
8	04/22/2026	GPG	FOR CMSID RESUBMISSION
7	03/27/2026	GPG	FOR COUNTY SUBMISSION
6	02/20/2026	GPG	FOR COUNTY SUBMISSION - ADMINISTRATIVE VARIANCE
5	01/23/2026	GPG	LANDSCAPE PLAN REVIEW
4	11/26/2025	GPG	FOR COUNTY RESUBMISSION - DOT
3	08/14/2025	GPG	FOR COUNTY SUBMISSION
3	07/10/2025	GPG	FOR 90% CLIENT REVIEW
2	06/27/2025	KGR	FOR 60% CLIENT REVIEW
1	06/13/2025	GPG	FOR CLIENT REVIEW

NOT APPROVED FOR CONSTRUCTION

STONEFIELD engineering & design
Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com
One Harbour Place, Suite 250, 777 S Harbour Island Blvd.
Tampa, FL 33602
Phone 813.793.2200

SITE DEVELOPMENT PLANS

CAR WASH FLORIDA

LEHIGH ACRES
PROPOSED CARWASH

PARCEL ID: 23-45-26-00-00063.0100 & 23-44-26-00-00063.0120
2701 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

JAMES S. KINOSIAN, P.E.
FLORIDA LICENSE No. 86000
LICENSED PROFESSIONAL ENGINEER
FLORIDA BUSINESS CERT. OF AUTH. No. 30078

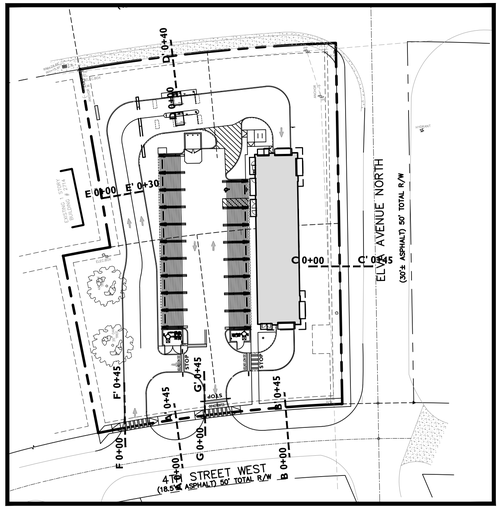
STONEFIELD engineering & design

SCALE: AS SHOWN | PROJECT ID: TAM-250036

TITLE: CROSS SECTIONS

DRAWING: C-25

Z:\TAMPA\PROJECTS\TAM-250036 EL CAR WASH - 2701 LEE BOULEVARD, LEHIGH ACRES, FL\CAD\PLOT\PDF\A-SECT.DWG

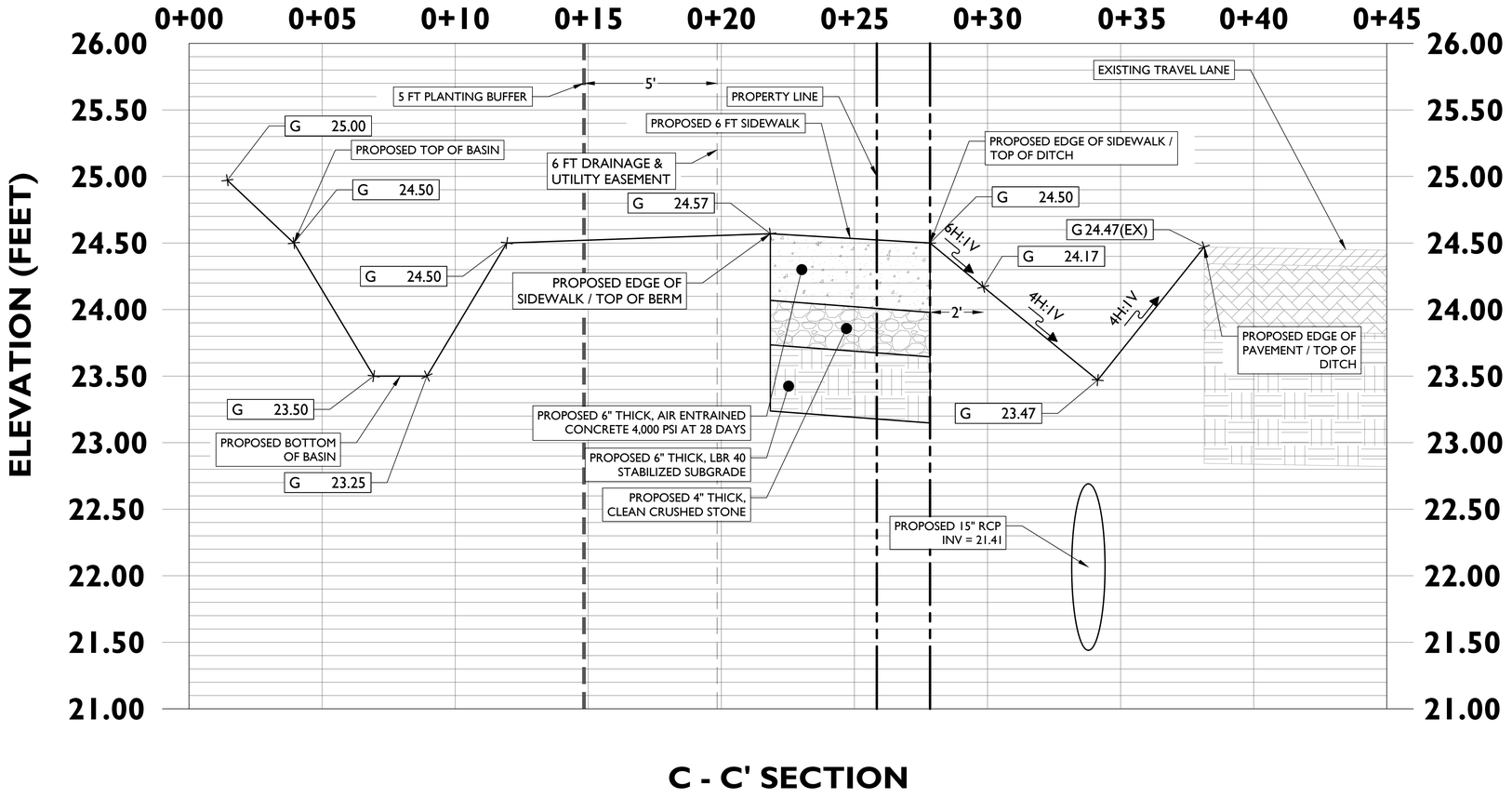


PLAN VIEW SCALE

50' 0' 50' 100'

GRAPHIC SCALE IN FEET

1" = 50'



C - C' SECTION

SYMBOL	DESCRIPTION
— — —	PROPERTY LINE
× G 100.00	PROPOSED GRADE SPOT SHOT
× TC 100.50 / BC 100.00	PROPOSED TOP OF CURB / BOTTOM OF CURB SPOT SHOT
× TW 100.50 / BW 100.00	PROPOSED TOP OF WALL / BOTTOM OF WALL SPOT SHOT

SECTION VERTICAL SCALE

1' 0' 1' 2'

GRAPHIC SCALE IN FEET

1"=2'

SECTION HORIZONTAL SCALE

5' 0' 5' 10'

GRAPHIC SCALE IN FEET

1" = 5'

ISSUE	DATE	BY	DESCRIPTION
8	04/22/2026	GPG	FOR CMSID RESUBMISSION
7	03/27/2026	GPG	FOR COUNTY SUBMISSION
6	02/20/2026	GPG	FOR COUNTY SUBMISSION - ADMINISTRATIVE VARIANCE
5	01/23/2026	GPG	LANDSCAPE PLAN REVIEW
4	11/26/2025	GPG	FOR COUNTY RESUBMISSION - DOT
3	08/14/2025	GPG	FOR COUNTY SUBMISSION
3	07/10/2025	GPG	FOR 90% CLIENT REVIEW
2	06/27/2025	KGR	FOR 60% CLIENT REVIEW
1	06/13/2025	GPG	FOR CLIENT REVIEW

NOT APPROVED FOR CONSTRUCTION

STONEFIELD engineering & design

Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com

One Harbour Place, Suite 250, 777 S Harbour Island Blvd,
Tampa, FL, 33602
Phone 813.793.2200

SITE DEVELOPMENT PLANS

CAR WASH FLORIDA

LEHIGH ACRES PROPOSED CARWASH

PARCEL ID: 25442605000063.0100 & 25442605000063.0120
2701 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

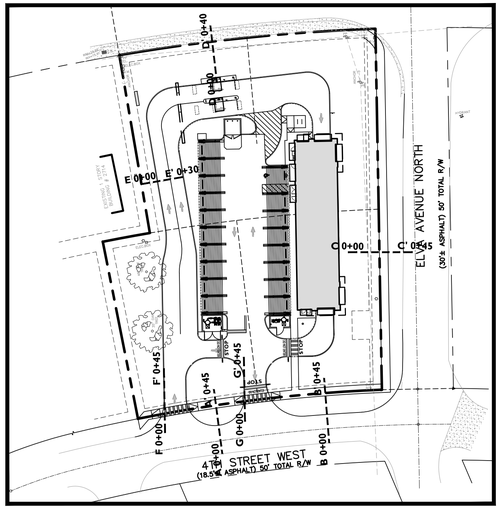
JAMES S. KINOSIAN, P.E.
FLORIDA LICENSE No. 86000
LICENSED PROFESSIONAL ENGINEER
FLORIDA BUSINESS CERT. OF AUTH. No. 30078

STONEFIELD engineering & design

SCALE: AS SHOWN | PROJECT ID: TAM-250036

TITLE: CROSS SECTIONS

DRAWING: C-26



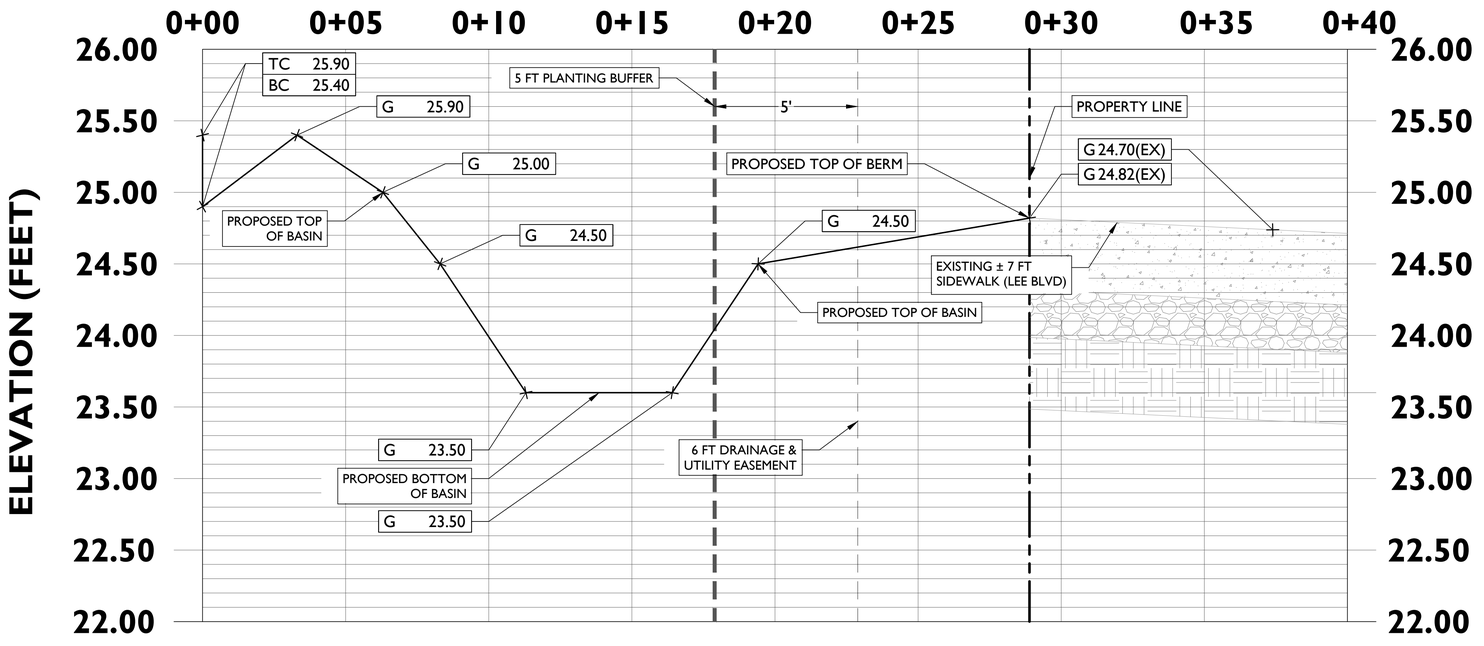
PLAN VIEW SCALE

50' 0' 50' 100'

GRAPHIC SCALE IN FEET

1" = 50'

SYMBOL	DESCRIPTION
— — —	PROPERTY LINE
G 100.00	PROPOSED GRADE SPOT SHOT
TC 100.50 / BC 100.00	PROPOSED TOP OF CURB / BOTTOM OF CURB SPOT SHOT
TW 100.50 / BW 100.00	PROPOSED TOP OF WALL / BOTTOM OF WALL SPOT SHOT



D - D' SECTION

SECTION VERTICAL SCALE

1' 0' 1' 2'

GRAPHIC SCALE IN FEET

1"=2'

SECTION HORIZONTAL SCALE

5' 0' 5' 10'

GRAPHIC SCALE IN FEET

1" = 5'

ISSUE	DATE	BY	DESCRIPTION
8	04/22/2026	GPG	FOR CMSID RESUBMISSION
7	03/27/2026	GPG	FOR COUNTY SUBMISSION
6	02/20/2026	GPG	FOR COUNTY SUBMISSION - ADMINISTRATIVE VARIANCE
5	01/23/2026	GPG	LANDSCAPE PLAN REVIEW
4	11/26/2025	GPG	FOR COUNTY RESUBMISSION - DOT
3	08/14/2025	GPG	FOR COUNTY SUBMISSION
3	07/10/2025	GPG	FOR 90% CLIENT REVIEW
2	06/27/2025	KGR	FOR 60% CLIENT REVIEW
1	06/13/2025	GPG	FOR CLIENT REVIEW

NOT APPROVED FOR CONSTRUCTION

STONEFIELD engineering & design

Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com

One Harbour Place, Suite 250, 777 S Harbour Island Blvd,
Tampa, FL, 33602
Phone 813.793.2200

SITE DEVELOPMENT PLANS

CAR WASH FLORIDA

LEHIGH ACRES PROPOSED CARWASH

PARCEL ID: 25442605000063.0100 & 25442605000063.0120
2701 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

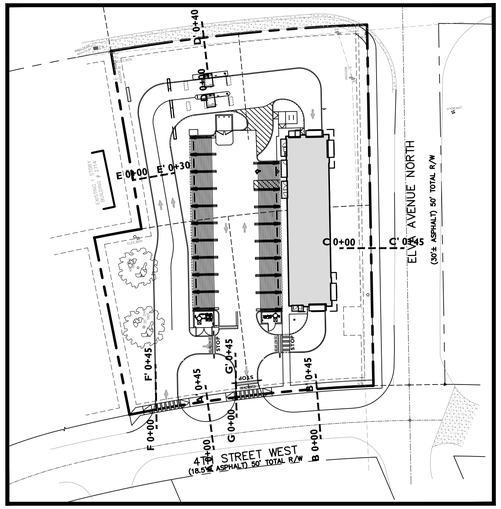
JAMES S. KINOSIAN, P.E.
FLORIDA LICENSE No. 86000
LICENSED PROFESSIONAL ENGINEER
FLORIDA BUSINESS CERT. OF AUTH. No. 30078

STONEFIELD engineering & design

SCALE: AS SHOWN | PROJECT ID: TAM-250036

TITLE: CROSS SECTIONS

DRAWING: C-27



E - E' SECTION

PLAN VIEW SCALE

50' 0' 50' 100'

GRAPHIC SCALE IN FEET

1" = 50'

SYMBOL	DESCRIPTION
— — —	PROPERTY LINE
G 100.00	PROPOSED GRADE SPOT SHOT
TC 100.50 / BC 100.00	PROPOSED TOP OF CURB / BOTTOM OF CURB SPOT SHOT
TW 100.50 / BW 100.00	PROPOSED TOP OF WALL / BOTTOM OF WALL SPOT SHOT

SECTION VERTICAL SCALE

1' 0' 1' 2'

GRAPHIC SCALE IN FEET

1"=2'

SECTION HORIZONTAL SCALE

5' 0' 5' 10'

GRAPHIC SCALE IN FEET

1" = 5'

ISSUE	DATE	BY	DESCRIPTION
8	04/22/2026	GPG	FOR CMSID RESUBMISSION
7	03/27/2026	GPG	FOR COUNTY SUBMISSION
6	02/20/2026	GPG	FOR COUNTY SUBMISSION - ADMINISTRATIVE VARIANCE
5	01/23/2026	GPG	LANDSCAPE PLAN REVIEW
4	11/26/2025	GPG	FOR COUNTY RESUBMISSION - DOT
3	08/14/2025	GPG	FOR COUNTY SUBMISSION
3	07/10/2025	GPG	FOR 90% CLIENT REVIEW
2	06/27/2025	KGR	FOR 60% CLIENT REVIEW
1	06/13/2025	GPG	FOR CLIENT REVIEW

NOT APPROVED FOR CONSTRUCTION

STONEFIELD engineering & design

Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com

One Harbour Place, Suite 250, 777 S Harbour Island Blvd,
Tampa, FL, 33602
Phone 813.793.2200

SITE DEVELOPMENT PLANS

CAR WASH FLORIDA

LEHIGH ACRES PROPOSED CARWASH

PARCEL ID: 25442605000063.0100 & 25442605000063.0120
2701 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

JAMES S. KINOSIAN, P.E.
FLORIDA LICENSE No. 86000
LICENSED PROFESSIONAL ENGINEER
FLORIDA BUSINESS CERT. OF AUTH. No. 30078

STONEFIELD engineering & design

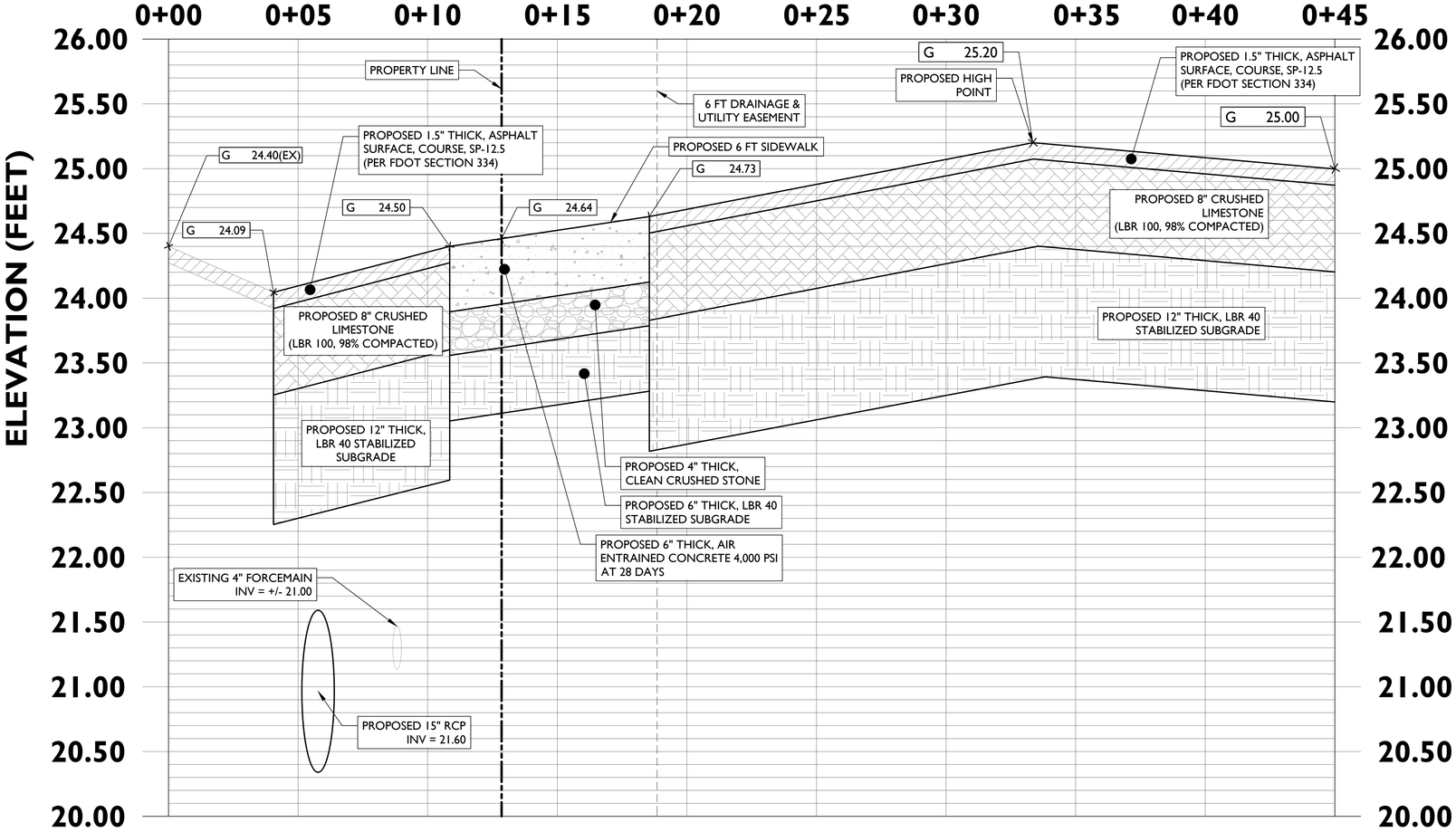
SCALE: AS SHOWN | PROJECT ID: TAM-250036

TITLE:

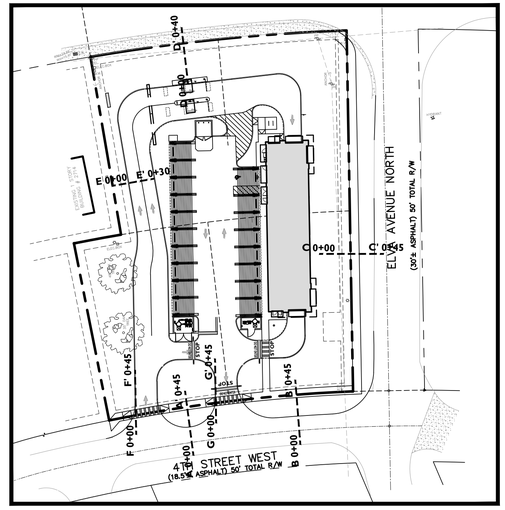
CROSS SECTIONS

DRAWING:

C-28



F - F' SECTION



PLAN VIEW SCALE

50' 0' 50' 100'

GRAPHIC SCALE IN FEET

1" = 50'

SYMBOL	DESCRIPTION
— — —	PROPERTY LINE
G 100.00	PROPOSED GRADE SPOT SHOT
TC 100.50 / BC 100.00	PROPOSED TOP OF CURB / BOTTOM OF CURB SPOT SHOT
TW 100.50 / BW 100.00	PROPOSED TOP OF WALL / BOTTOM OF WALL SPOT SHOT

SECTION VERTICAL SCALE

1' 0' 1' 2'

GRAPHIC SCALE IN FEET

1"=2'

SECTION HORIZONTAL SCALE

5' 0' 5' 10'

GRAPHIC SCALE IN FEET

1" = 5'

ISSUE	DATE	BY	DESCRIPTION
8	04/22/2026	GPG	FOR CMSID RESUBMISSION
7	03/27/2026	GPG	FOR COUNTY SUBMISSION
6	02/20/2026	GPG	FOR COUNTY SUBMISSION - ADMINISTRATIVE VARIANCE
5	01/23/2026	GPG	LANDSCAPE PLAN REVIEW
4	11/26/2025	GPG	FOR COUNTY RESUBMISSION - DOT
3	08/14/2025	GPG	FOR COUNTY SUBMISSION
3	07/10/2025	GPG	FOR 90% CLIENT REVIEW
2	06/27/2025	KGR	FOR 60% CLIENT REVIEW
1	06/13/2025	GPG	FOR CLIENT REVIEW

NOT APPROVED FOR CONSTRUCTION

STONEFIELD engineering & design

Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com

One Harbour Place, Suite 250, 777 S Harbour Island Blvd,
Tampa, FL, 33602
Phone 813.793.2200

SITE DEVELOPMENT PLANS

CAR WASH FLORIDA

LEHIGH ACRES
PROPOSED CARWASH

PARCEL ID: 2544260500063.0100 & 2544260500063.0120
2701 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

JAMES S. KINOSIAN, P.E.
FLORIDA LICENSE No. 86000
LICENSED PROFESSIONAL ENGINEER
FLORIDA BUSINESS CERT. OF AUTH. No. 30078

STONEFIELD engineering & design

SCALE: AS SHOWN | PROJECT ID: TAM-250036

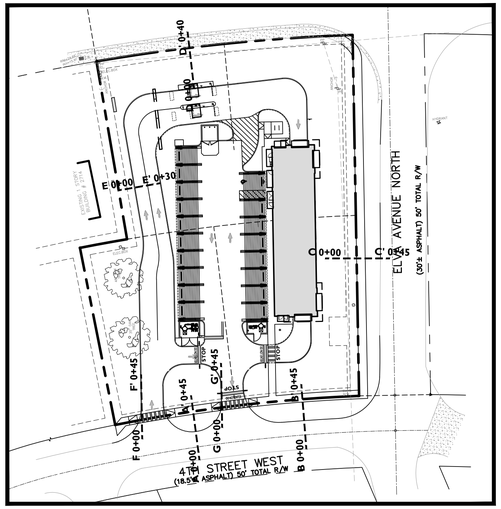
TITLE:

CROSS SECTIONS

DRAWING:

C-29

Z:\TAMPA\TAM\2025\TAM-250036 EL CAR WASH - 2701 LEE BOULEVARD, LEHIGH ACRES, FL\CADD\PLOT\SDP-24-SECT.DWG

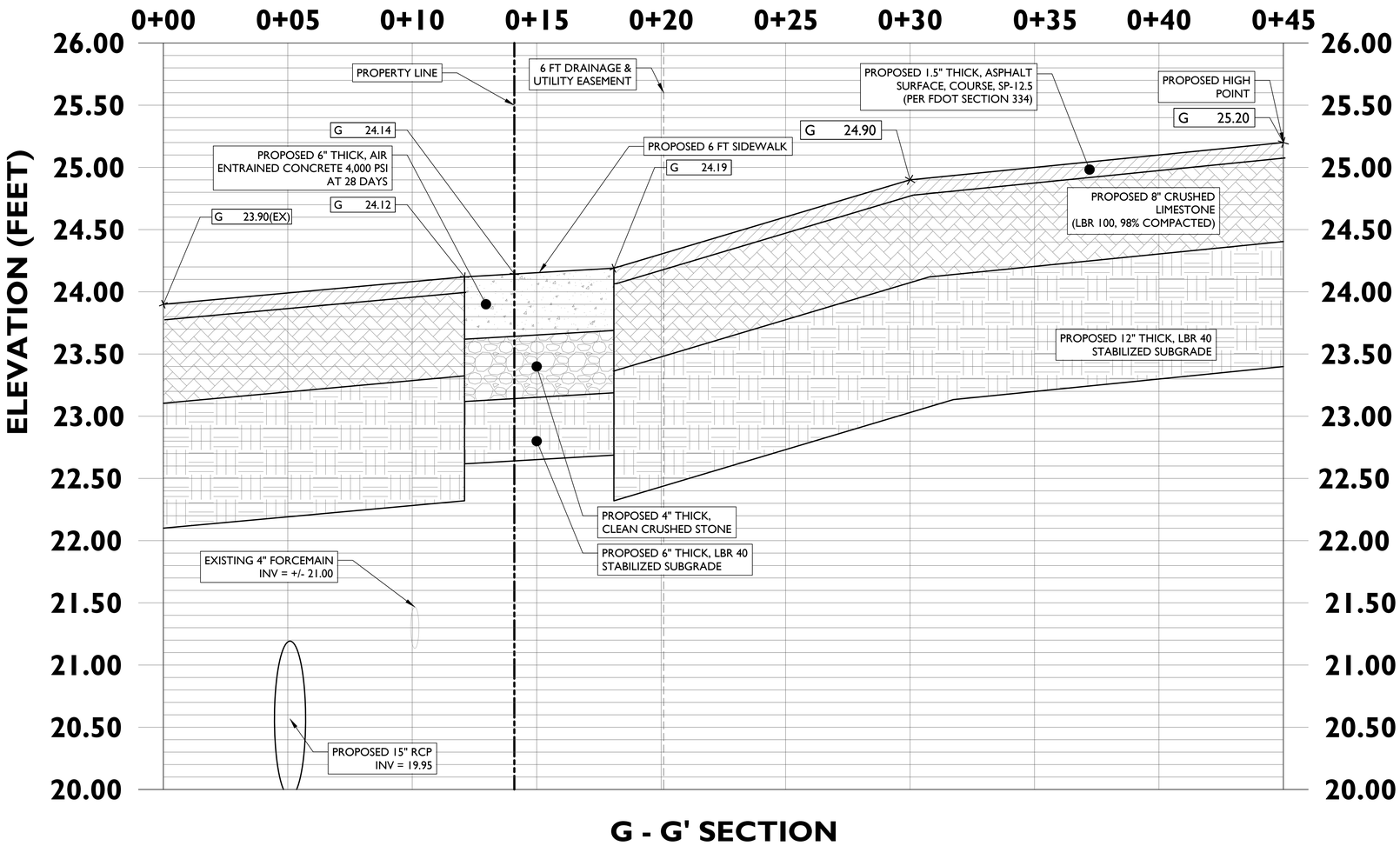


PLAN VIEW SCALE

50' 0' 50' 100'

GRAPHIC SCALE IN FEET

1" = 50'



G - G' SECTION

SYMBOL	DESCRIPTION
— — —	PROPERTY LINE
× G 100.00	PROPOSED GRADE SPOT SHOT
× TC 100.50 / BC 100.00	PROPOSED TOP OF CURB / BOTTOM OF CURB SPOT SHOT
× TW 100.50 / BW 100.00	PROPOSED TOP OF WALL / BOTTOM OF WALL SPOT SHOT

SECTION VERTICAL SCALE

1' 0' 1' 2'

GRAPHIC SCALE IN FEET

1"=2'

SECTION HORIZONTAL SCALE

5' 0' 5' 10'

GRAPHIC SCALE IN FEET

1" = 5'

ISSUE	DATE	BY	DESCRIPTION
8	04/22/2026	GPG	FOR CMSID RESUBMISSION
7	03/27/2026	GPG	FOR COUNTY SUBMISSION
6	02/20/2026	GPG	FOR COUNTY SUBMISSION - ADMINISTRATIVE VARIANCE
5	01/23/2026	GPG	LANDSCAPE PLAN REVIEW
4	11/26/2025	GPG	FOR COUNTY RESUBMISSION - DOT
3	08/14/2025	GPG	FOR COUNTY SUBMISSION
3	07/10/2025	GPG	FOR 90% CLIENT REVIEW
2	06/27/2025	KGR	FOR 60% CLIENT REVIEW
1	06/13/2025	GPG	FOR CLIENT REVIEW

NOT APPROVED FOR CONSTRUCTION

STONEFIELD engineering & design

Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com

One Harbour Place, Suite 250, 777 S Harbour Island Blvd,
Tampa, FL, 33602
Phone 813.793.2200

SITE DEVELOPMENT PLANS

CAR WASH FLORIDA

LEHIGH ACRES
PROPOSED CARWASH

PARCEL ID: 2544260500063.0100 & 2544260500063.0120
2701 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

JAMES S. KINOSIAN, P.E.
FLORIDA LICENSE No. 86000
LICENSED PROFESSIONAL ENGINEER
FLORIDA BUSINESS CERT. OF AUTH. No. 30078

STONEFIELD engineering & design

SCALE: AS SHOWN | PROJECT ID: TAM-250036

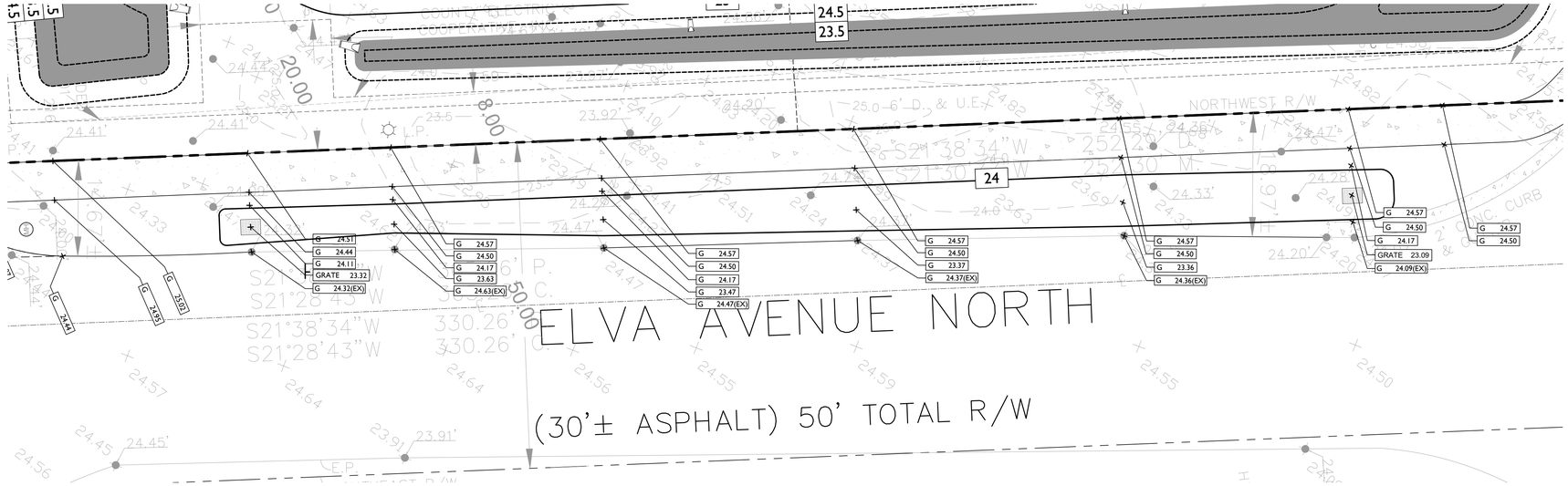
TITLE:

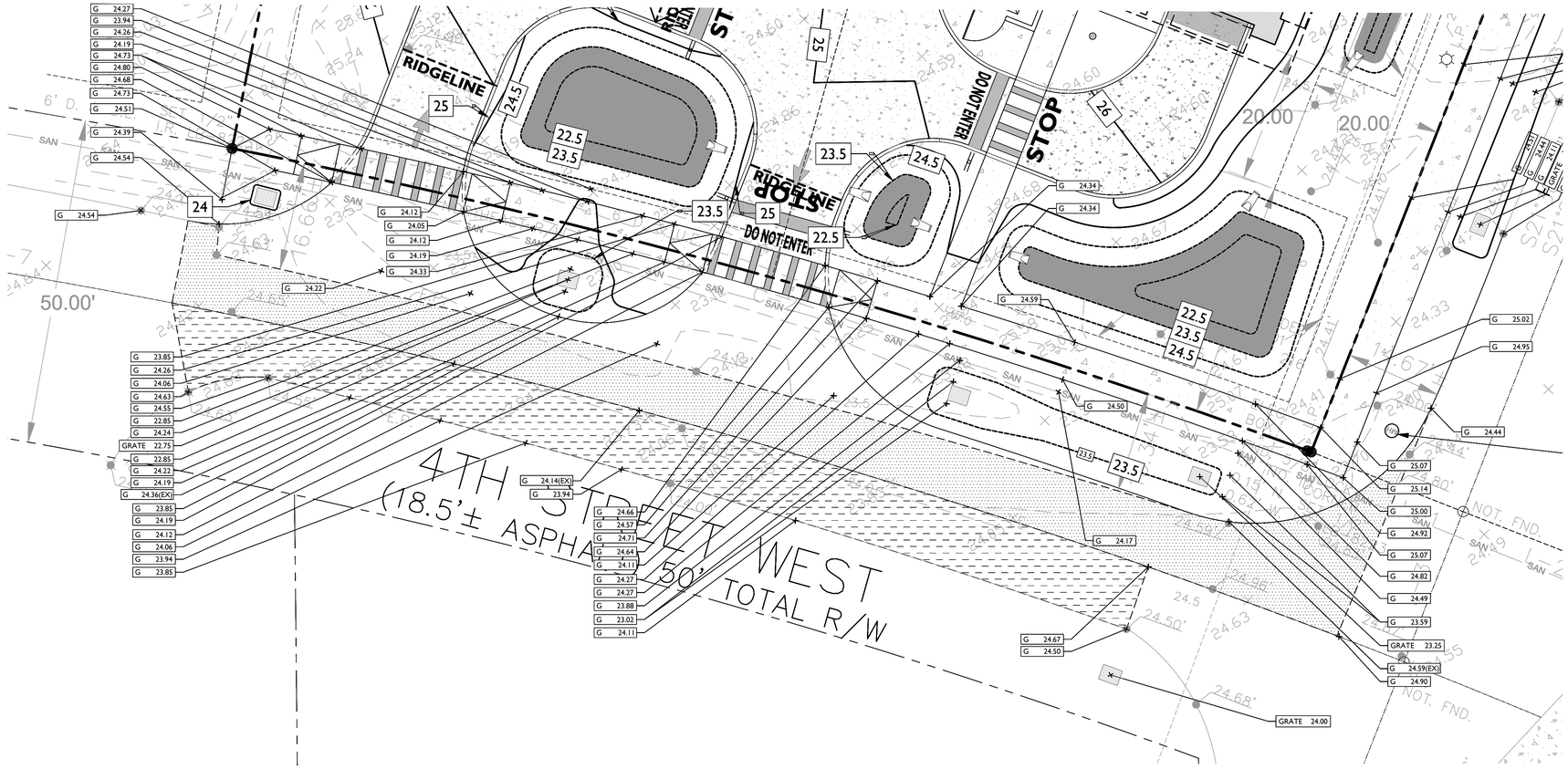
CROSS SECTIONS

DRAWING:

C-30

Z:\TAMPA\TAM\2025\TAM-250036 EL CAR WASH - 2701 LEE BOULEVARD, LEHIGH ACRES, FL\CADD\PLOT\SDP-24-SECT.DWG





SYMBOL	DESCRIPTION
	PROPERTY LINE
100	PROPOSED GRADING CONTOUR
RIDGELINE	PROPOSED GRADING RIDGELINE
	PROPOSED DIRECTION OF DRAINAGE FLOW
G 100.00	PROPOSED GRADE SPOT SHOT
TC 100.50 / BC 100.00	PROPOSED TOP OF CURB / BOTTOM OF CURB SPOT SHOT
FC 100.00	PROPOSED FLUSH CURB SPOT SHOT

GRADING NOTES

1. ALL SOIL AND MATERIAL REMOVED FROM THE SITE SHALL BE DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REQUIREMENTS. ANY GROUNDWATER DE-WATERING PRACTICES SHALL BE PERFORMED UNDER THE SUPERVISION OF A QUALIFIED PROFESSIONAL. THE CONTRACTOR IS REQUIRED TO OBTAIN ALL NECESSARY PERMITS FOR THE DISCHARGE OF DE-WATERED GROUNDWATER. ALL SOIL IMPORTED TO THE SITE SHALL BE CERTIFIED CLEAN FILL. CONTRACTOR SHALL MAINTAIN RECORDS OF ALL FILL MATERIALS BROUGHT TO THE SITE.
2. THE CONTRACTOR IS REQUIRED TO PROVIDE TEMPORARY AND/OR PERMANENT SHORING WHERE REQUIRED DURING EXCAVATION ACTIVITIES, INCLUDING BUT NOT LIMITED TO UTILITY TRENCHES, TO ENSURE THE STRUCTURAL INTEGRITY OF NEARBY STRUCTURES AND STABILITY OF THE SURROUNDING SOILS.
3. PROPOSED TOP OF CURB ELEVATIONS ARE GENERALLY 4 INCHES TO 7 INCHES ABOVE EXISTING GRADES UNLESS OTHERWISE NOTED. THE CONTRACTOR WILL SUPPLY ALL STAKEOUT CURB GRADE SHEETS TO STONEFIELD ENGINEERING & DESIGN, LLC. FOR REVIEW AND APPROVAL PRIOR TO POURING CURBS.
4. THE CONTRACTOR IS RESPONSIBLE TO SET ALL PROPOSED UTILITY COVERS AND RESET ALL EXISTING UTILITY COVERS WITHIN THE PROJECT LIMITS TO PROPOSED GRADE IN ACCORDANCE WITH ANY APPLICABLE MUNICIPAL, COUNTY, STATE AND/OR UTILITY AUTHORITY REGULATIONS.
5. MINIMUM SLOPE REQUIREMENTS TO PREVENT PONDING SHALL BE AS FOLLOWS:
   - CURB GUTTER: 0.50%
   - CONCRETE SURFACES: 1.00%
   - ASPHALT SURFACES: 1.00%
6. A MINIMUM SLOPE OF 1.00% SHALL BE PROVIDED AWAY FROM ALL BUILDINGS. THE CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE FROM THE BUILDING IS ACHIEVED AND SHALL NOTIFY STONEFIELD ENGINEERING & DESIGN, LLC. IF THIS CONDITION CANNOT BE MET.
7. FOR PROJECTS WHERE BASEMENTS ARE PROPOSED, THE DEVELOPER IS RESPONSIBLE TO DETERMINE THE DEPTH TO GROUNDWATER AT THE LOCATION OF THE PROPOSED STRUCTURE. IF GROUNDWATER IS ENCOUNTERED WITHIN THE BASEMENT AREA, SPECIAL CONSTRUCTION METHODS SHALL BE UTILIZED AND REVIEWED/APPROVED BY THE CONSTRUCTION CODE OFFICIAL. IF SUMP PUMPS ARE UTILIZED, ALL DISCHARGES SHALL BE CONNECTED DIRECTLY TO THE PUBLIC STORM SEWER SYSTEM WITH APPROVAL FROM THE GOVERNING STORM SEWER SYSTEM AUTHORITY.

ADA NOTES

1. THE CONTRACTOR SHALL MAINTAIN A MAXIMUM 2.00% SLOPE IN ANY DIRECTION WITHIN THE ADA PARKING SPACES AND ACCESS AISLES.
2. THE CONTRACTOR SHALL PROVIDE COMPLIANT SIGNAGE AT ALL ADA PARKING AREAS IN ACCORDANCE WITH STATE GUIDELINES.
3. THE CONTRACTOR SHALL MAINTAIN A MAXIMUM 5.00% RUNNING SLOPE AND A MAXIMUM OF 2.00% CROSS SLOPE ALONG WALKWAYS WITHIN THE ACCESSIBLE PATH OF TRAVEL (SEE THE SITE PLAN FOR THE LOCATION OF THE ACCESSIBLE PATH). THE CONTRACTOR IS RESPONSIBLE TO ENSURE THE ACCESSIBLE PATH OF TRAVEL IS 36 INCHES WIDE OR GREATER UNLESS INDICATED OTHERWISE WITHIN THE PLAN SET.
4. THE CONTRACTOR SHALL MAINTAIN A MAXIMUM 2.00% SLOPE IN ANY DIRECTION AT ALL LANDINGS. LANDINGS INCLUDE, BUT ARE NOT LIMITED TO, THE TOP AND BOTTOM OF AN ACCESSIBLE RAMP, AT ACCESSIBLE BUILDING ENTRANCES, AT AN AREA IN FRONT OF A WALK-UP ATM, AND AT TURNING SPACES ALONG THE ACCESSIBLE PATH OF TRAVEL. THE LANDING AREA SHALL HAVE A MINIMUM CLEAR AREA OF 60 INCHES BY 60 INCHES UNLESS INDICATED OTHERWISE WITHIN THE PLAN SET.
5. THE CONTRACTOR SHALL MAINTAIN A MAXIMUM 8.33% RUNNING SLOPE AND A MAXIMUM 2.00% CROSS SLOPE ON ANY CURB RAMPS ALONG THE ACCESSIBLE PATH OF TRAVEL. WHERE PROVIDED, CURB RAMP FLARES SHALL NOT HAVE A SLOPE GREATER THAN 10.00% IF A LANDING AREA IS PROVIDED AT THE TOP OF THE RAMP. FOR ALTERATIONS, A CURB RAMP FLARES SHALL NOT HAVE A SLOPE GREATER THAN 8.33% IF A LANDING AREA IS NOT PROVIDED AT THE TOP OF THE RAMP. CURBS RAMPS SHALL NOT RISE MORE THAN 6 INCHES IN ELEVATION WITHOUT A HANDRAIL. THE CLEAR WIDTH OF A CURB RAMP SHALL BE NO LESS THAN 36 INCHES WIDE.
6. ACCESSIBLE RAMPS WITH A RISE GREATER THAN 6 INCHES SHALL CONTAIN COMPLIANT HANDRAILS ON BOTH SIDES OF THE RAMP AND SHALL NOT RISE MORE THAN 30" IN ELEVATION WITHOUT A LANDING AREA IN BETWEEN RAMP RUNS. LANDING AREAS SHALL ALSO BE PROVIDED AT THE TOP AND BOTTOM OF THE RAMP.
7. A SLIP RESISTANT SURFACE SHALL BE CONSTRUCTED ALONG THE ACCESSIBLE PATH AND WITHIN ADA PARKING AREAS.
8. THE CONTRACTOR SHALL ENSURE A MAXIMUM OF ¼ INCHES VERTICAL CHANGE IN LEVEL ALONG THE ACCESSIBLE PATH. WHERE A CHANGE IN LEVEL BETWEEN ¼ INCHES AND ½ INCHES EXISTS, CONTRACTOR SHALL ENSURE THAT THE TOP ½ INCH CHANGE IN LEVEL IS BEVELED WITH A SLOPE NOT STEEPER THAN 1 UNIT VERTICAL AND 2 UNITS HORIZONTAL (2:1 SLOPE).
9. THE CONTRACTOR SHALL ENSURE THAT ANY OPENINGS (GAPS OR HORIZONTAL SEPARATION) ALONG THE ACCESSIBLE PATH SHALL NOT ALLOW PASSAGE OF A SPHERE GREATER THAN ½ INCH.

10' 0' 10' 20'
GRAPHIC SCALE IN FEET
1" = 10'

ISSUE	DATE	BY	DESCRIPTION
8	04/22/2026	GPG	FOR CMSID RESUBMISSION
7	03/27/2026	GPG	FOR COUNTY SUBMISSION
6	02/20/2026	GPG	FOR COUNTY SUBMISSION - ADMINISTRATIVE VARIANCE
5	01/23/2026	GPG	LANDSCAPE PLAN REVIEW
4	11/26/2025	GPG	FOR COUNTY RESUBMISSION - DOT
3	08/14/2025	GPG	FOR COUNTY SUBMISSION
3	07/10/2025	GPG	FOR 90% CLIENT REVIEW
2	06/27/2025	KGR	FOR 60% CLIENT REVIEW
1	06/13/2025	GPG	FOR CLIENT REVIEW

NOT APPROVED FOR CONSTRUCTION

STONEFIELD engineering & design
Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com
One Harbour Place, Suite 250, 777 S Harbour Island Blvd.
Tampa, FL, 33602
Phone 813.793.2200

SITE DEVELOPMENT PLANS

CAR WASH FLORIDA

LEHIGH ACRES
PROPOSED CARWASH

PARCEL ID: 25-45-26-00063.0100 & 25-44-26-00063.0120
2741 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

JAMES S. KINOSIAN, P.E.
FLORIDA LICENSE No. 86000
LICENSED PROFESSIONAL ENGINEER
FLORIDA BUSINESS CERT. OF AUTH. No. 30078

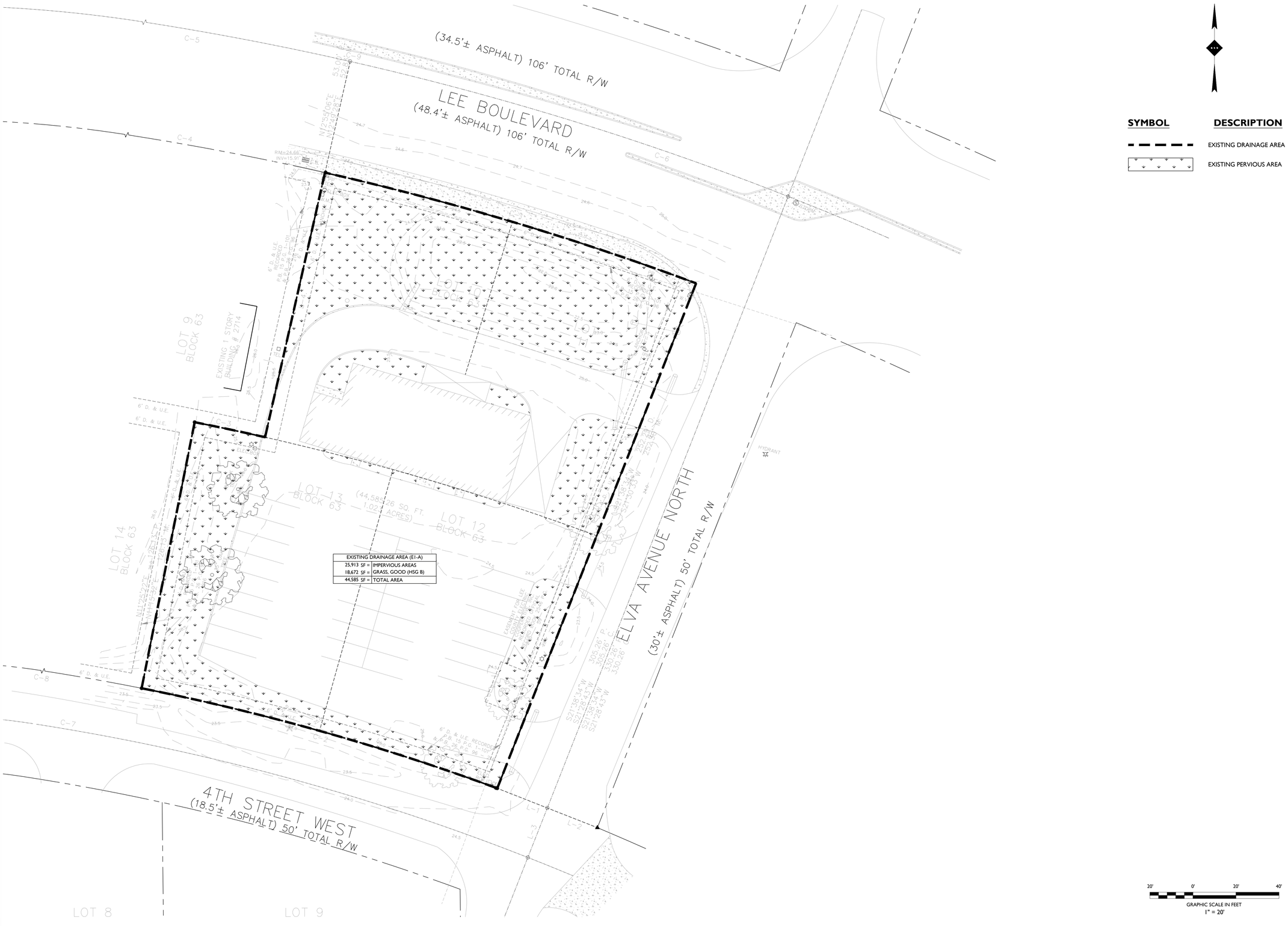
STONEFIELD engineering & design

SCALE: 1" = 10' | PROJECT ID: TAM-250036

TITLE:
RIGHT-OF-WAY IMPROVEMENTS GRADING

DRAWING:
C-31

Z:\PROJECTS\2025\TAM-250036-EL CAR WASH - 2741 LEE BOULEVARD, LEHIGH ACRES, FL\CAD\PLOTS\PLAN GRADING



EXISTING DRAINAGE AREA (E1-A)	
25,913 SF =	IMPERVIOUS AREAS
18,672 SF =	GRASS, GOOD (HSG B)
44,585 SF =	TOTAL AREA

SYMBOL	DESCRIPTION
	EXISTING DRAINAGE AREA
	EXISTING PERVIOUS AREA

20' 0' 20' 40'
GRAPHIC SCALE IN FEET
1" = 20'

ISSUE	DATE	BY	DESCRIPTION
8	04/22/2026	GPG	FOR CMSID RESUBMISSION
7	03/27/2026	GPG	FOR COUNTY SUBMISSION
6	02/20/2026	GPG	FOR COUNTY SUBMISSION - ADMINISTRATIVE VARIANCE
5	01/23/2026	GPG	LANDSCAPE PLAN REVIEW
4	11/26/2025	GPG	FOR COUNTY RESUBMISSION - DOT
3	08/14/2025	GPG	FOR COUNTY SUBMISSION
3	07/10/2025	GPG	FOR 90% CLIENT REVIEW
2	06/27/2025	KGR	FOR 60% CLIENT REVIEW
1	06/13/2025	GPG	FOR CLIENT REVIEW

NOT APPROVED FOR CONSTRUCTION

STONEFIELD engineering & design
Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com
One Harbour Place, Suite 250, 777 S Harbour Island Blvd,
Tampa, FL 33602
Phone 813.793.2200

SITE DEVELOPMENT PLANS

CAR WASH FLORIDA

LEHIGH ACRES
PROPOSED CARWASH

PARCEL ID: 25442605000063.0100 & 25442605000063.0120
2701 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

JAMES S. KINOSIAN, P.E.
FLORIDA LICENSE No. 86000
LICENSED PROFESSIONAL ENGINEER
FLORIDA BUSINESS CERT. OF AUTH. No. 30078

STONEFIELD engineering & design

SCALE: 1" = 30' | PROJECT ID: TAM-250036

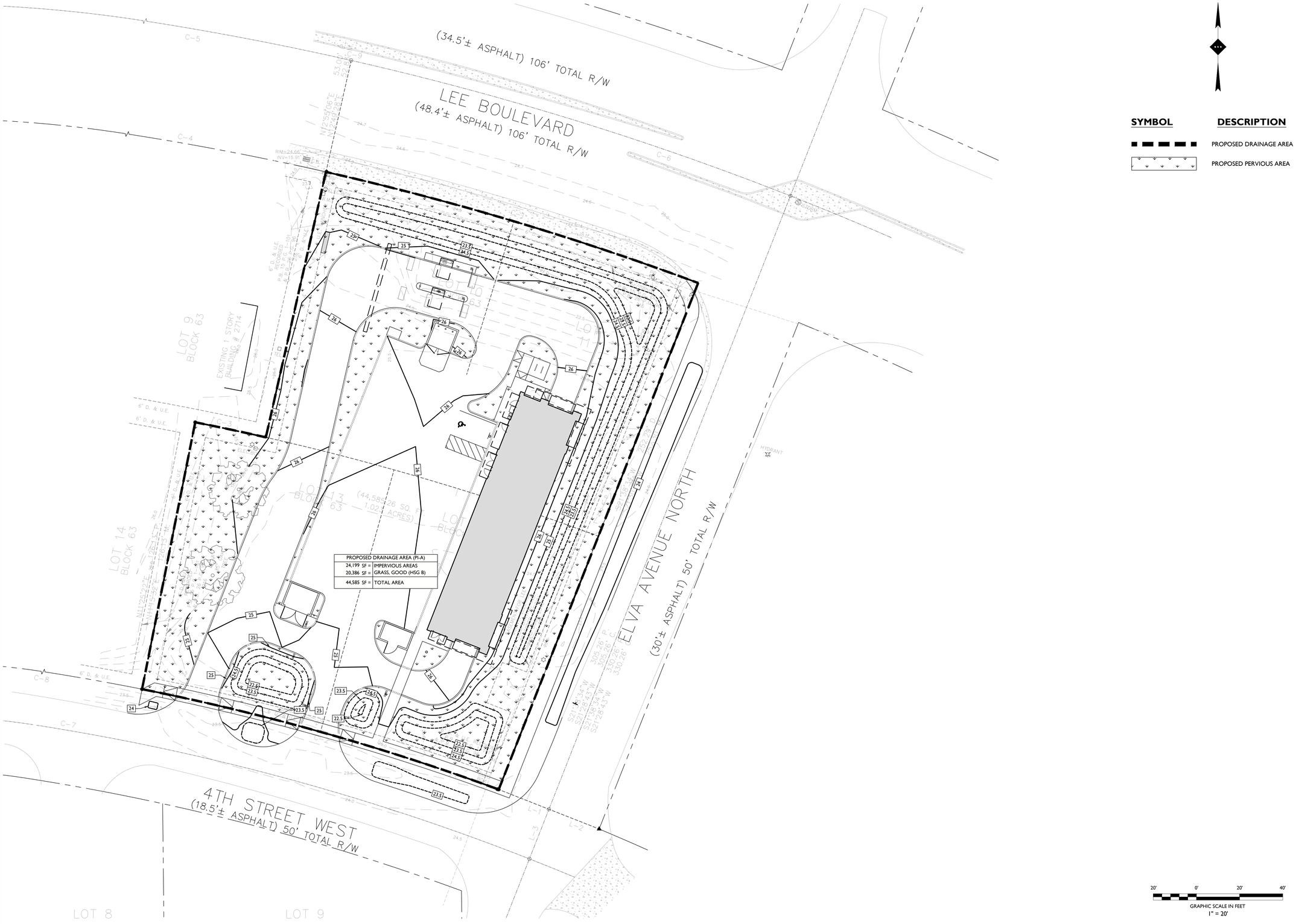
TITLE:

EXISTING DRAINAGE AREA MAP

DRAWING:

C-32

Z:\TAMPA\TAM\2025\TAM-250036 EL CAR WASH - 2701 LEE BOULEVARD, LEHIGH ACRES, FL\CADD\PLOT\SDP-32-DRAM.DWG



ISSUE	DATE	BY	DESCRIPTION
8	04/22/2026	GPG	FOR CMSID RESUBMISSION
7	03/27/2026	GPG	FOR COUNTY SUBMISSION
6	02/20/2026	GPG	FOR COUNTY SUBMISSION - ADMINISTRATIVE VARIANCE
5	01/23/2026	GPG	LANDSCAPE PLAN REVIEW
4	11/26/2025	GPG	FOR COUNTY RESUBMISSION - DOT
3	08/14/2025	GPG	FOR COUNTY SUBMISSION
3	07/10/2025	GPG	FOR 90% CLIENT REVIEW
2	06/27/2025	KGR	FOR 60% CLIENT REVIEW
1	06/13/2025	GPG	FOR CLIENT REVIEW

NOT APPROVED FOR CONSTRUCTION

STONEFIELD engineering & design
Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com
One Harbour Place, Suite 250, 777 S Harbour Island Blvd,
Tampa, FL, 33602
Phone 813.793.2200

SITE DEVELOPMENT PLANS

CAR WASH FLORIDA

LEHIGH ACRES PROPOSED CARWASH

PARCEL ID: 25442605000063.0100 & 25442605000063.0120
2701 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

JAMES S. KINOSIAN, P.E.
FLORIDA LICENSE No. 86000
LICENSED PROFESSIONAL ENGINEER
FLORIDA BUSINESS CERT. OF AUTH. No. 30078

STONEFIELD engineering & design

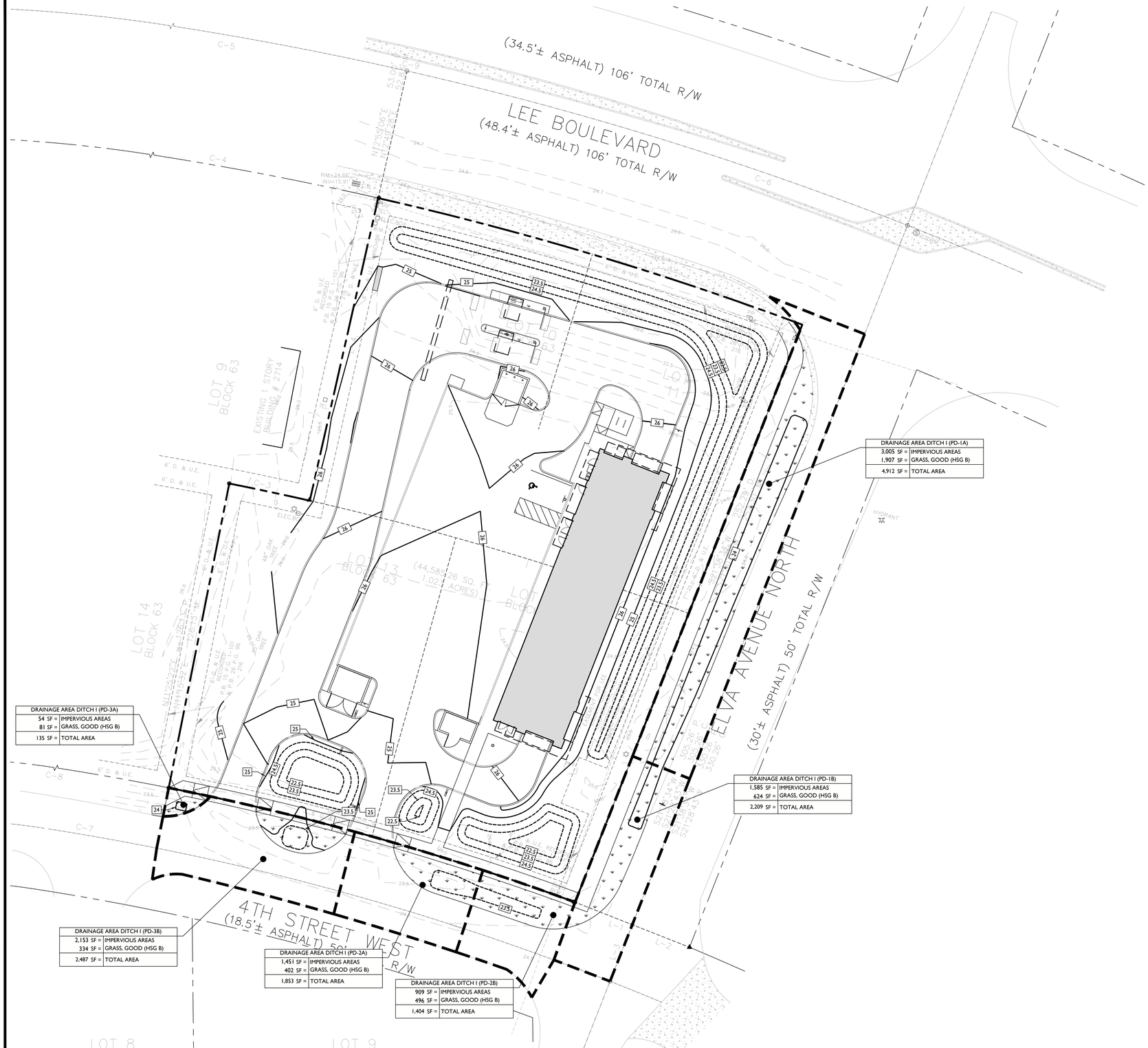
SCALE: 1" = 20' | PROJECT ID: TAM-250036

TITLE:

PROPOSED DRAINAGE AREA MAP

DRAWING:

C-33



ISSUE	DATE	BY	DESCRIPTION
8	04/22/2026	GPG	FOR CMSID RESUBMISSION
7	03/27/2026	GPG	FOR COUNTY SUBMISSION
6	02/20/2026	GPG	FOR COUNTY SUBMISSION - ADMINISTRATIVE VARIANCE
5	01/23/2026	GPG	LANDSCAPE PLAN REVIEW
4	11/26/2025	GPG	FOR COUNTY RESUBMISSION - DOT
3	08/14/2025	GPG	FOR COUNTY SUBMISSION
3	07/10/2025	GPG	FOR 90% CLIENT REVIEW
2	06/27/2025	KGR	FOR 60% CLIENT REVIEW
1	06/13/2025	GPG	FOR CLIENT REVIEW

NOT APPROVED FOR CONSTRUCTION

STONEFIELD engineering & design
Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com
One Harbour Place, Suite 250, 777 S Harbour Island Blvd.
Tampa, FL 33602
Phone 813.793.2200

SITE DEVELOPMENT PLANS

CAR WASH FLORIDA

LEHIGH ACRES
PROPOSED CARWASH

PARCEL ID: 23426050006300100 & 23442050006300120
2714 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

JAMES S. KINOSIAN, P.E.
FLORIDA LICENSE No. 86000
LICENSED PROFESSIONAL ENGINEER
FLORIDA BUSINESS CERT. OF AUTH. No. 30078

STONEFIELD engineering & design

SCALE: 1" = 20' | PROJECT ID: TAM-250036

TITLE:

DITCH DRAINAGE AREA MAP

DRAWING:

C-34

Z:\TAMPA\TAM\2025\TAM-250036 EL CAR WASH - 3701 LEE BOULEVARD, LEHIGH ACRES, FL\CAD\PLOT\DP-32 DRAINDWG

STONEFIELD

STORMWATER MANAGEMENT REPORT

LEHIGH ACRES
PROPOSED CAR WASH
PARCEL ID: 25-44-26-05-00063.0100 & 25-44-26-05-00063.0120
2701 LEE BOULEVARD & 2700 4TH STREET WEST
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

PREPARED FOR:

EL CAR WASH

PREPARED BY:

JAMES KINOSIAN, PE
STONEFIELD ENGINEERING & DESIGN, LLC
NOVEMBER 26, 2025
TAM-250036

JAMES KINOSIAN PE
FLORIDA PROFESSIONAL ENGINEER LICENSE # 86000

STONEFIELDENG.COM

400 NORTH ASHLEY DRIVE, SUITE 1950, TAMPA, FL 33602 813.793.2200 T. 201.340.4472 F.

REPORT CONTENTS

1.0 PROJECT DESCRIPTION 1

2.0 EXISTING CONDITIONS 1

2.1 EXISTING DRAINAGE AREAS 1

2.2 PROJECT SOILS 2

3.0 PROPOSED CONDITIONS 2

3.1 PROPOSED DRAINAGE AREAS 2

4.0 ANALYSIS METHODOLOGY & DESIGN PARAMETERS 3

4.1 HYDROLOGIC & HYDRAULIC ANALYSES 3

4.2 SOUTH FLORIDA WATER MANAGEMENT DISTRICT (SFWMD) STORMWATER DESIGN PARAMETERS 4

4.3 SUBSURFACE STORMWATER INVESTIGATION 4

5.0 PROJECT ANALYSIS RESULTS 5

5.1 STORMWATER QUANTITY CONTROL 5

5.2 STORMWATER TREATMENT 5

5.4 ROADSIDE DITCH DESIGN 6

6.0 CONCLUSIONS 7

APPENDICIES

PROJECT FIGURES ..... **A**

USGS QUADRANGLE MAP ..... *FIGURE 1*

AERIAL MAP ..... *FIGURE 2*

ZONING MAP ..... *FIGURE 3*

FUTURE LAND USE MAP ..... *FIGURE 4*

FEMA MAP ..... *FIGURE 5*

WETLANDS MAP ..... *FIGURE 6*

SOILS MAP ..... *FIGURE 7*

NRCS COUNTY SOILS SURVEY ..... **B**

GEOTECHNICAL REPORT ..... **C**

DESIGN CALCULATIONS & DIAGRAMS ..... **D**

HYDROCAD ROUTING DIAGRAM *D-1*

SFWMD IMPERVIOUS CALCULATIONS *D-2*

SFWMD 25-YEAR, 72-HOUR HYDROGRAPHS *D-3*

SFWMD PRETREATMENT CALCULATIONS *D-4*

ROADSIDE DRAINAGE DITCH DESIGN CALCULATIONS *D-5*

DRAINAGE AREA MAPS ..... **E**

EXISTING DRAINAGE AREA MAP ..... *1 OF 3*

PROPOSED DRAINAGE AREA MAP ..... *2 OF 3*

PROPOSED DRAINAGE DITCH AREA MAP ..... *3 OF 3*

1.0 PROJECT DESCRIPTION

El Car Wash is proposing the construction of a full-service car wash with additional vacuum parking spaces. The subject property is designated 25-44-26-05-00063.0100 & 25-44-26-05-00063.0120, commonly known as 2701 Lee Boulevard and 2700 4th Street West, and it is located at the intersection of Lee Boulevard, 4th Street West, and Elva Avenue North.

The total project area is 44,585 SF (1.02 Acres), the total area of impervious surfaces is 24,880 SF (0.57 Acres), and the total area of disturbance is 55.036 SF (1.26 Acres). Project Figures can be found in **Appendix A** of this Report.

This Stormwater Management Report has been prepared to analyze the potential stormwater runoff impacts of the proposed project and discuss the measures proposed to confirm the stormwater management requirements set forth by the Lee County and the South Florida Water Management District (SFWMD).

2.0 EXISTING CONDITIONS

The existing project site consists of two commercial lots with a vacant building previously developed with the Gendron Funeral Home and its associated parking facility. Access to the development is provided via three full access driveways off Elva Avenue. The existing site stormwater system consists of an existing infiltration pond located on the north side of the property that discharges to a series of ditches on the west side of Elva Avenue North.

2.1 EXISTING DRAINAGE AREAS

Under existing conditions, the site is comprised of one (1) drainage area. The existing site drainage consists of no underground infrastructure as all site runoff is directed via overland flow to the infiltration retention pond located on the north side of the site. The existing infiltration system consists of an aboveground dry infiltration pond with a PVC pipe discharge for larger storm events to the series of roadway ditches along the west side of Elva Avenue North. The surrounding right-of-way area along Elva Avenue North and 4th Street West collects into a series of roadway ditches.

TABLE 1: EXISTING DRAINAGE AREA

Drainage Area	Description	Area Extents (SF)	Impervious Area (SF)	Impervious Coverage (%)
E-1A	Existing Drainage Area	44,585	25,913	58.1%

Detailed information regarding each drainage area can be found on the Existing Drainage Area Map in **Appendix E** of this Report.

2.2 PROJECT SOILS

Per the National Resource Conservation Service (NRCS) data, the soil underlying the project site consists of:

TABLE 2: NRCS PROJECT SOILS

Soil Unit Code	Soil Description	Approximate Project Coverage	Hydrologic Soil Group
36	Immokalee sand-Urban land complex, 0 to 2 percent slopes	100.0	B/D

The hydrologic soil group classifications above have been utilized in the landcover data for the stormwater analysis performed on the project.

3.0 PROPOSED CONDITIONS

Under the proposed development plan, a new 3,473 SF car wash with associated vacuum parking spaces will be constructed. Additional site improvements include parking, lighting, utilities, landscaping and stormwater improvements. On-site stormwater improvements include a series of connected aboveground infiltration basins with underground exfiltration trenches which collect stormwater via roof leaders connections and overland flow. The on-site stormwater system maintains emergency overland discharge to the adjacent roadside ditches. In addition to the on-site stormwater improvements, the roadside ditches along Elva Avenue North and 4th Street West will be reconstructed to allow for the construction of right-of-way pedestrian facilities.

3.1 PROPOSED DRAINAGE AREAS

Under proposed conditions the site is comprised of one (1) drainage area that discharge to a single point of interest. The point of interest is maintained from the existing conditions, the Elva Avenue North and 4th Street West drainage ditches. The stormwater runoff is collected within the connected aboveground infiltration basin areas with additional underground exfiltration trenches via overland flow and roof leader discharges. The aboveground infiltration basins have an emergency discharge to the roadside ditches along Elva Avenue North and

4th Street West. The disconnected drainage ditches collect water from the site and half of the right-of-way area. Water collected in the drainage ditches infiltrates through the soil and meets Lee County roadside ditch drainage standards.

TABLE 3: PROPOSED DRAINAGE AREAS

Drainage Area	Description	Area Extents (SF)	Impervious Area (SF)	Impervious Coverage (%)	Time of Concentration (Min)
P-1A	Proposed Drainage Area	44,585	24,880	55.8	10.0*

** The minimum time of concentration was utilized. Refer to Section 4.0 for more information regarding design parameters.*

TABLE 4: PROPOSED DITCH DRAINAGE AREAS

Drainage Area	Description	Area Extents (SF)	Impervious Area (SF)	Impervious Coverage (%)	Time of Concentration (Min)
PD-1A	Proposed Drainage Area to Elva Avenue North Ditch	4,912	3,005	61.2%	10.0*
PD-1B	Proposed Drainage Area to Elva Avenue North Ditch	2,209	1,585	71.8%	10.0*
PD-2A	Proposed Drainage Area to 4th Street West Ditch	1,853	1,451	78.3%	10.0*
PD-2B	Proposed Drainage Area to 4th Street West Ditch	1,404	909	64.7%	10.0*
PD-3A	Proposed Drainage Area to 4th Street West Ditch	2,622	2,207	84.2%	10.0*

** The minimum time of concentration was utilized. Refer to Section 4.0 for more information regarding design parameters.*

Detailed information regarding each drainage area can be found on the Proposed Drainage Area Map in **Appendix E** of this Report.

4.0 ANALYSIS METHODOLOGY & DESIGN PARAMETERS

4.1 HYDROLOGIC & HYDRAULIC ANALYSES

The existing and proposed drainage areas have been analyzed utilizing a modified version of the NRCS SCS TR-20 method. The analysis program "HydroCAD" Version 9.10 by HydroCAD Software Solutions LLC was used to calculate and plot the runoff hydrographs. The program incorporates the time of concentration, CN values, 24-hour rainfall events, and project drainage areas to calculate the runoff characteristics. Key variables utilized include the SCS Unit Hydrograph, a minimum time of concentration of 10 minutes, separate runoff calculations for impervious and pervious areas, and dynamic storage and conveyance routing to account for any variable tailwater conditions.

4.2 SOUTH FLORIDA WATER MANAGEMENT DISTRICT (SFWMD) STORMWATER DESIGN PARAMETERS

The stormwater management for the site falls under the jurisdiction of SFWMD and is eligible for a FDEP 10/2 General permit as the project is less than 10 acres and the total impervious area for the development is less than 2 acres. As a 10/2 eligible project, the project must meet the SFWMD requirements for stormwater design. The design criteria are as follows:

- NRCS Method
- Allowable post-development discharge based on the SFWMD 25-year, 3-day storm pre-development conditions.
- The contributing parcel shall provide stormwater treatment for a volume equal to 1-inch over the entirety of the parcel or 2.5-inches over the impervious area. Retention systems shall provide 50% additional treatment volume.
- The full treatment volume shall be recovered within 72 hours.
- Minimum time of concentration is 10 minutes.

4.3 SUBSURFACE STORMWATER INVESTIGATION

A double ring infiltrometer (DRI) test report was conducted by ECS Florida, LLC on April 17, 2025. A total of two (2) tests were performed and all proposed stormwater facilities meet or exceed the minimum separation depth from seasonal high groundwater. The tested infiltration rates are summarized in the table below were in the vicinity of the above ground detention area. The full investigation report and testing results can be found in **Appendix C** of this report.

TABLE 5: DRI TEST RESULTS

DRI Test Number	Tested Infiltration Rate (IN/HR)	Design Infiltration Rate (IN/HR)*	Basin Design
DRI-01	45.1	22.55**	P-1A
DRI-02	40.4	20.20**	PD-1A; PD-2A; PD-3A

** A factor of safety of 2 was used to determine the design infiltration rate*
*** A maximum infiltration rated of 15 IN/HR (30 FT/DAY) was used for pond drawdown calculations.*

5.0 PROJECT ANALYSIS RESULTS

5.1 STORMWATER QUANTITY CONTROL

Runoff is controlled through the implementation of a stormwater management system that is inclusive of four (4) interconnected stormwater infiltration basin areas. The required storm events are completely retained within the infiltration system with larger storm events overflowing to the adjacent roadside ditches in the Elva Avenue North and 4th Street West rights-of-way. Runoff is directed to the stormwater basin areas via overland flow and direct discharge from roof leader connections. As shown in **Table 6** below, the proposed stormwater system maintains or lowers the discharge rates from pre-development conditions for the SFWMD required storm events.

TABLE 6: DISCHARGE COMPARISON

Storm Event	Existing Discharge (CFS)	Proposed Discharge (CFS)
25-year, 3-day	1.71	0.00

5.2 STORMWATER TREATMENT

In accordance with SFWMD Stormwater volumetric requirements for a dry infiltration pond, the treatment volume shall be provided within the pond equal to the first inch of rainfall over the entirety of the site or for the first 2.5 inches of rainfall over the impervious area, whichever is greater. Per the calculations shown in **Table 7**, the required treatment volume is equal to the first 2.5 inches of rainfall over the impervious area.

TABLE 7: STORMWATER TREATMENT VOLUMES REQUIREMENTS

Required Treatment (IN)	Site Area (SF)	Required Treatment (FT)	Impervious Coverage (%)	Retention Multiplier	Total Volume (CF)	Proposed Volume (CF)
1" Over Entire Site	44,585	0.08	-	1.5	5,573	7,733
2.5" Over Impervious Area	44,585	0.21	0.55	1.5	**7,628**	**7,733**

Table 8 shows compliance with the SFWMD basin recovery requirements. The basin facilities were slug-loaded with the water quality volume and its drawdown analyzed by how long it took the basin to return to full available volume.

TABLE 8: RECOVERY REQUIREMENTS

Required Recovery (HR)	Proposed Recovery (HR)
72.00	0.45

5.4 ROADSIDE DITCH DESIGN

The proposed sidewalk will impact the existing ditches within the Lee County right-of-way for Elva Avenue North and 4th Street West. The proposed improvements call for ditches to be regraded per the standards laid out in the FDOT Drainage Manual Chapter 2. The roadside ditches are designed for the 10-year storm utilizing the Rational Method. As shown in **Table 9** below, the regraded ditches provide capacity for the design elevation while providing a minimal freeboard between the peak elevation of the design storm and the adjacent roadway. The full calculations are provided in **Appendix D**.

TABLE 9: DRAINAGE DITCH DESIGN

Drainage Ditch	Contributing Drainage Area (SF) (See Appendix E)	Bottom / Top of Ditch Elevation (FT)	Maximum Front Slope / Maximum Back Slope	10-Year HGL Elevation (FT)	Minimum Adjacent Roadway Elevation (FT)	Freeboard (FT)	Maximum Velocity (FPS)
PD-1A	4,912	23.65 / 24.65	4H:1V / 4H:1V (6H:1V 2FT off Back of Sidewalk)	23.86	24.37	0.77	1.01
PD-1B	2,209	23.90 / 24.90	4H:1V / 4H:1V (6H:1V 2FT off Back of Sidewalk)	23.74	24.37	0.89	1.25
PD-2A	1,853	22.90 / 24.82	4H:1V / 4H:1V (6H:1V 2FT off Back of Sidewalk)	23.35	24.02	0.94	1.20
PD-2B	1,404	23.25 / 24.25	4H:1V / 4H:1V (6H:1V 2FT off Back of Sidewalk)	23.59	24.02	0.90	0.43
PD-3	2,622	22.90 / 23.90	4H:1V / 4H:1V (6H:1V 2FT off Back of Sidewalk)	23.35	24.02	0.94	<2.0

6.0 CONCLUSIONS

The proposed project complies with all applicable stormwater management regulations and standards. As such, the project is not anticipated to have any adverse impacts or neighboring properties, downstream watercourses, or conveyance systems within the watershed.

APPENDIX A
PROJECT FIGURES

INVENTORY

USGS QUADRANGLE MAP

AERIAL MAP

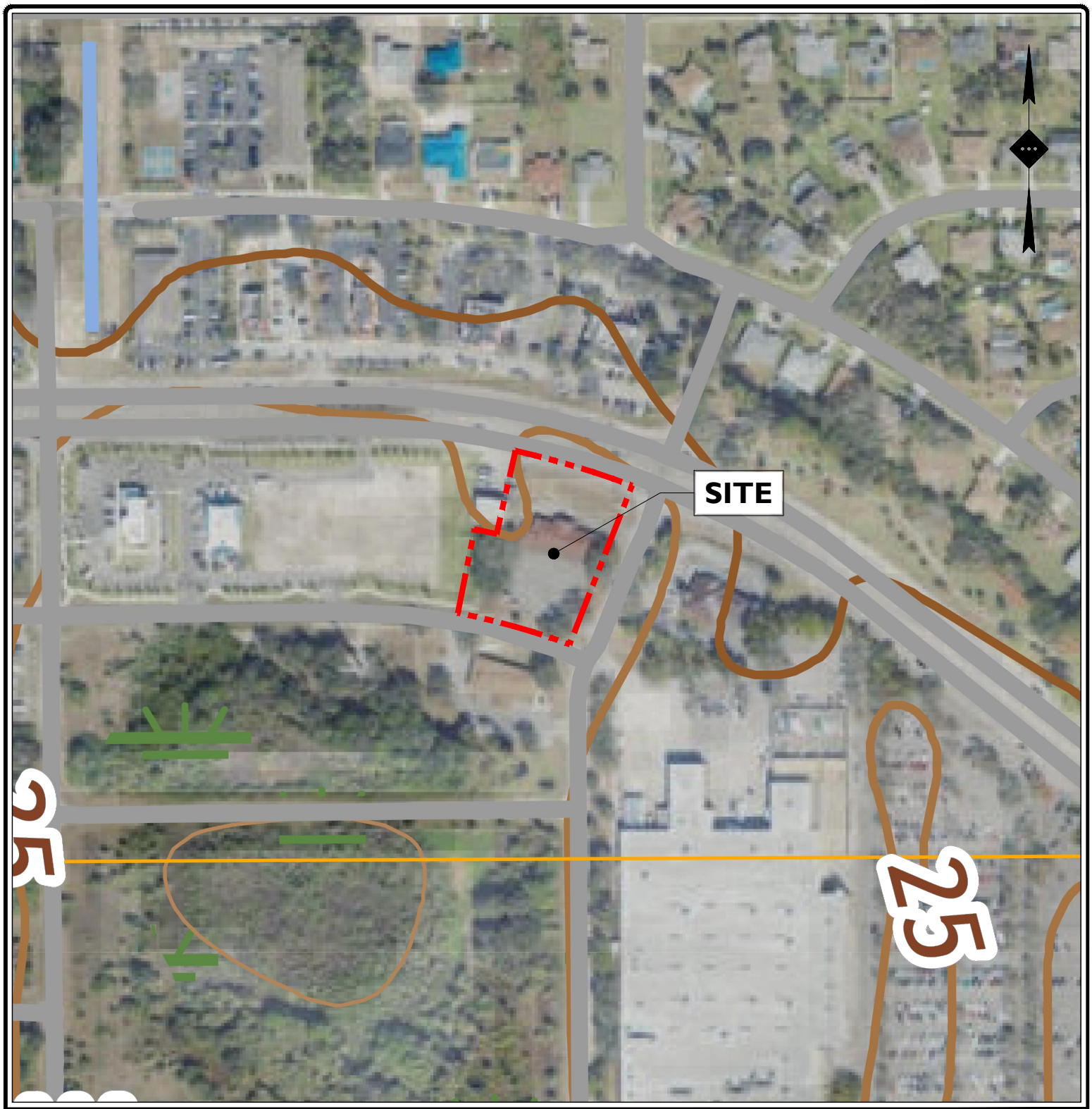
ZONING MAP

FUTURE LAND USE MAP

FEMA MAP

WETLANDS MAP

SOILS MAP



USGS QUADRANGLE MAP

200' 0' 200' 400'

GRAPHIC SCALE IN FEET

1" = 200'

SOURCE: USGS TOPOGRAPHIC MAP, LEHIGH ACRES QUADRANGLE MAPS, 7.5 MINUTE SERIES, FLORIDA, DATED 2025.

PROPOSED EL CAR WASH

PARCEL ID: 25442605000630100 & 25442605000630120
2701 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

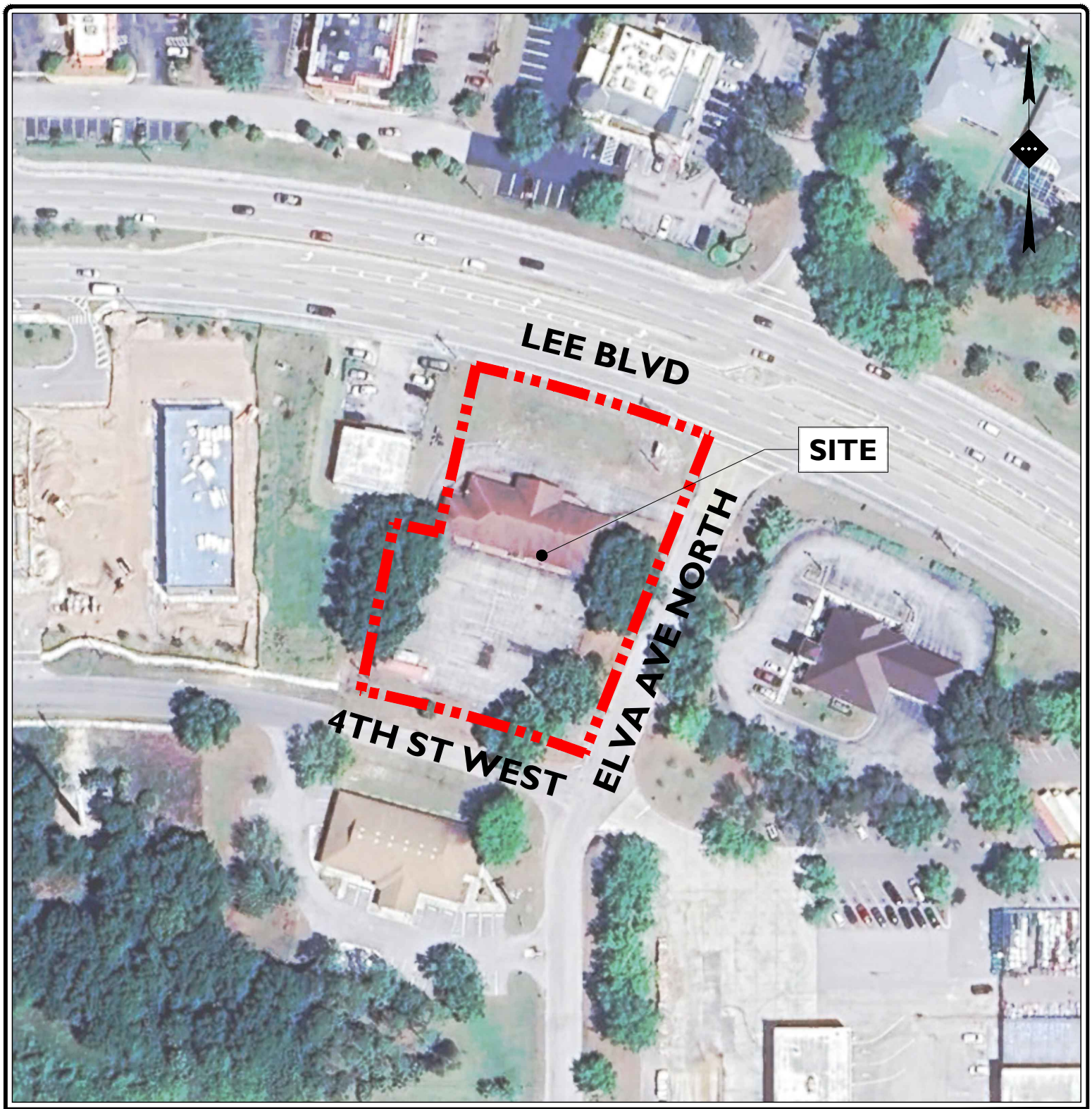
DRAWN BY:	RV
CHECKED BY:	MTP
DATE:	07/07/2025
SCALE:	1" = 200'
PROJECT ID:	TAM-250036

STONEFIELD engineering & design

Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com

Rivergate Tower, 400 N Ashley Drive, Suite 1950, Tampa, FL 33602
Phone 813.792.2200

Z:\Tampa\TAM\2025\TAM-250036 El Car Wash - 2701 Lee Boulevard, Lehigh Acres, FL\CADD\Exhibits\Project Maps\2025-07-07 Project Maps, Lehigh Acres, FL.dwg



AERIAL MAP

100' 0' 100' 200'

GRAPHIC SCALE IN FEET

1" = 100'

SOURCE: GOOGLE EARTH AERIAL, OBTAINED JULY 3, 2025.

PROPOSED EL CAR WASH

PARCEL ID: 25442605000630100 & 25442605000630120
2701 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

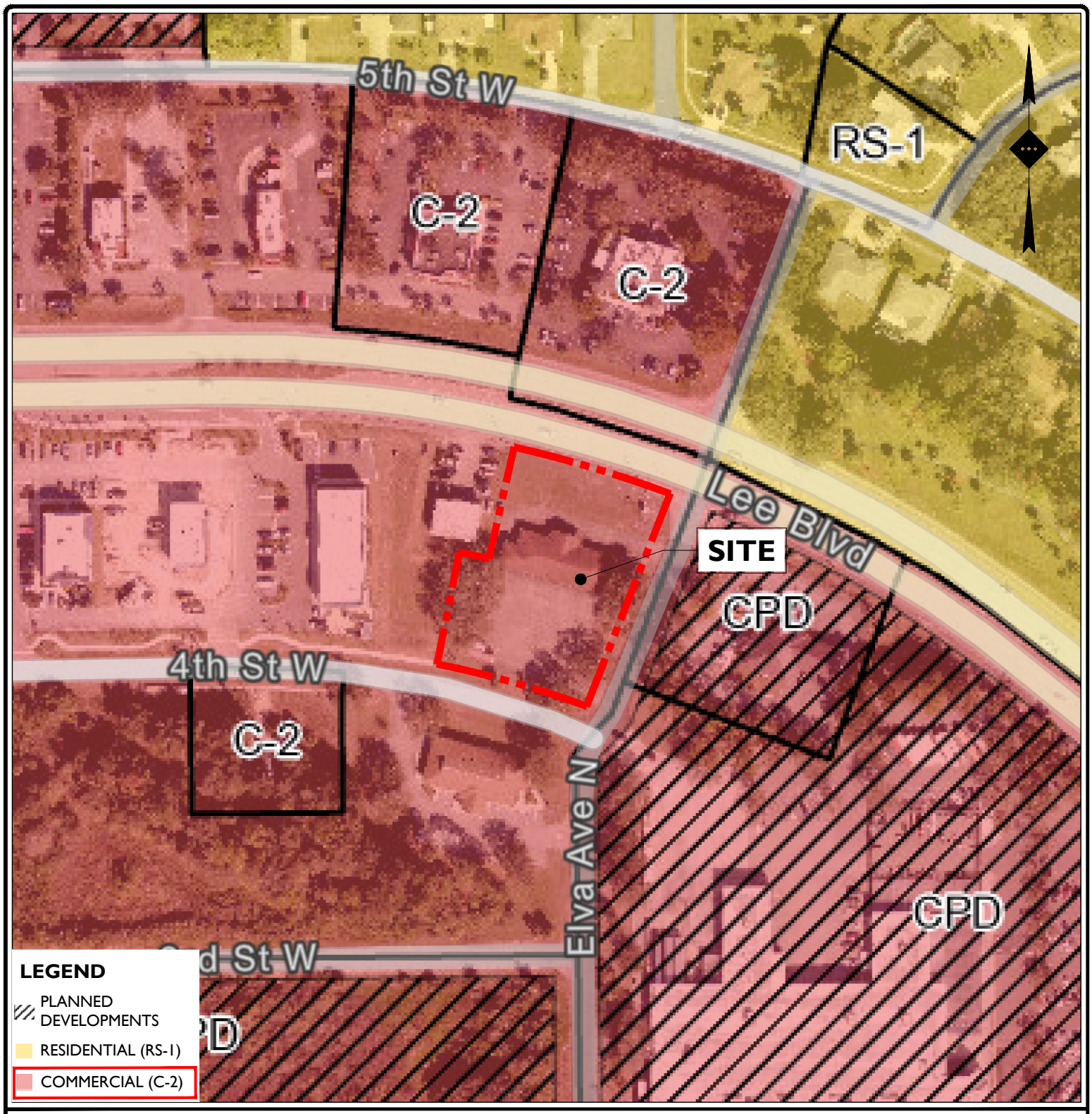
DRAWN BY:	RV
CHECKED BY:	MTP
DATE:	07/07/2025
SCALE:	1" = 100'
PROJECT ID:	TAM-250036

STONEFIELD engineering & design

Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com

Rivergate Tower, 400 N Ashley Drive, Suite 1950, Tampa, FL 33602
Phone 813.792.2200

Z:\Tampa\TAM\2025\TAM-250036 El Car Wash - 2701 Lee Boulevard, Lehigh Acres, FL\CADD\Exhibits\Project Maps\2025-07-07_Project Maps, Lehigh Acres, FL.dwg



ZONING MAP

200' 0' 200' 400'

GRAPHIC SCALE IN FEET

1"=150'

SOURCE: LEE COUNTY ZONING MAP, OBTAINED JULY 2, 2025.

PROPOSED EL CAR WASH

PARCEL ID: 25442605000630100 & 25442605000630120
2701 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

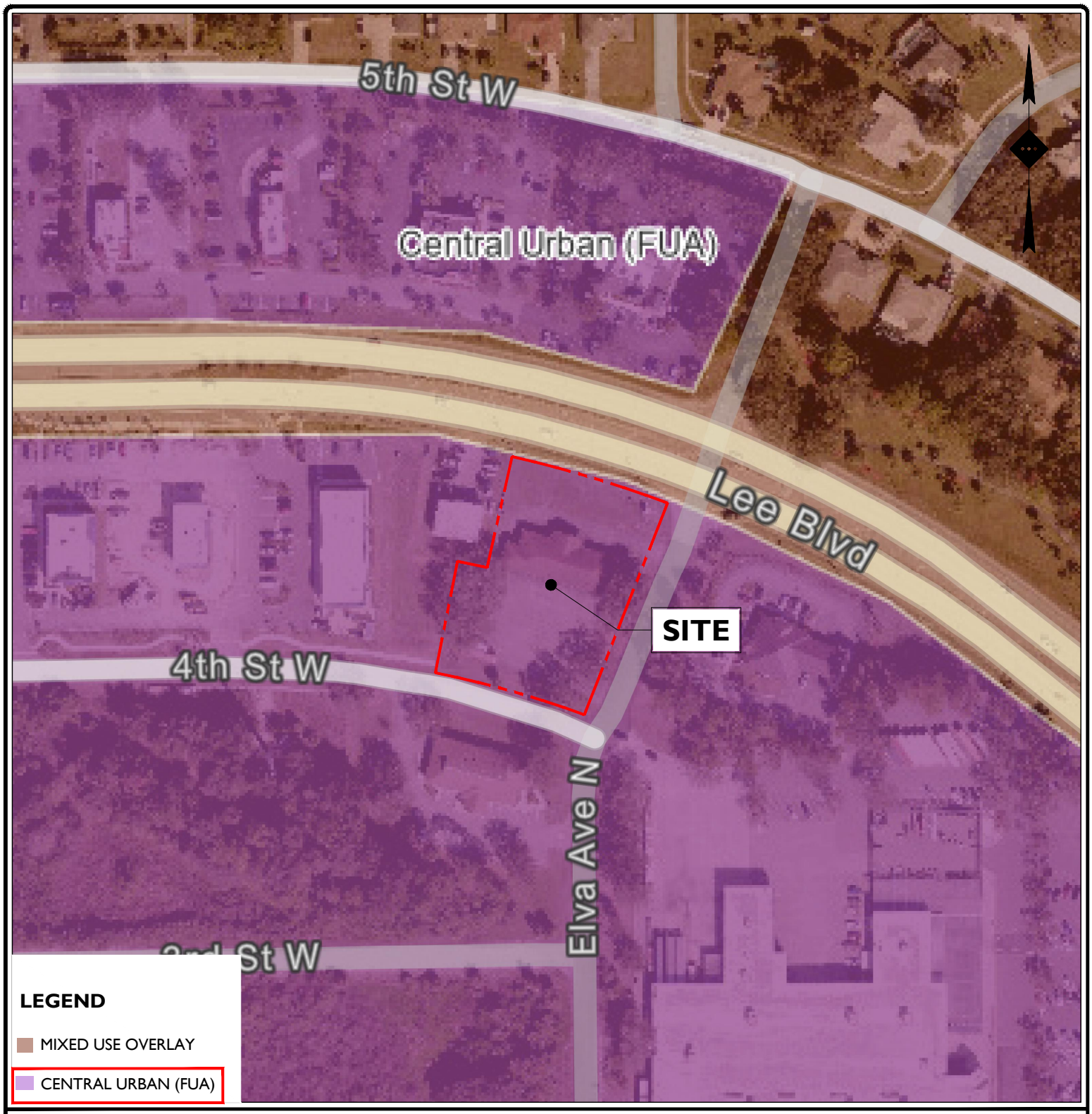
DRAWN BY:	RV
CHECKED BY:	MTP
DATE:	07/07/2025
SCALE:	1" = 200'
PROJECT ID:	TAM-250036

STONEFIELD engineering & design

Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com

Rivergate Tower, 400 N Ashley Drive, Suite 1950, Tampa, FL 33602
Phone 813.792.2200

Z:\Tampa\TAM\2025\TAM-250036 El Car Wash - 2701 Lee Boulevard, Lehigh Acres, FL\CADD\Exhibits\Project Maps\2025-07-07 Project Maps, Lehigh Acres, FL.dwg



FUTURE LAND USE MAP

200' 0' 200' 400'

GRAPHIC SCALE IN FEET

1"=150'

SOURCE: LEE COUNTY FUTURE LAND USE MAP, OBTAINED JULY 2, 2025.

PROPOSED EL CAR WASH

PARCEL ID: 25442605000630100 & 25442605000630120
2701 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

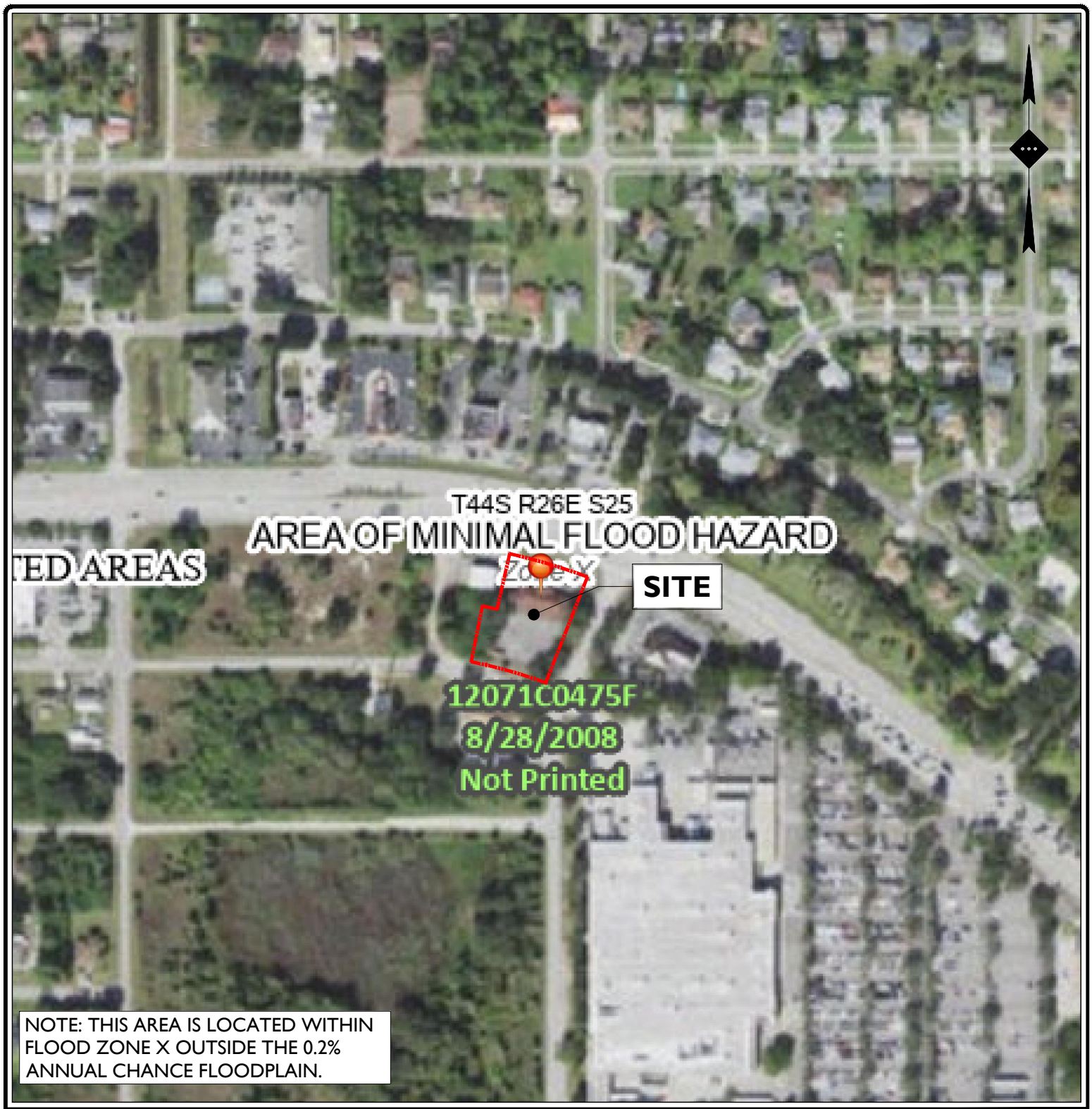
DRAWN BY:	RV
CHECKED BY:	MTP
DATE:	07/07/2025
SCALE:	1" = 200'
PROJECT ID:	TAM-250036

STONEFIELD engineering & design

Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com

Rivergate Tower, 400 N Ashley Drive, Suite 1950, Tampa, FL 33602
Phone 813.792.2200

Z:\Tampa\TAM\2025\TAM-250036 El Car Wash - 2701 Lee Boulevard, Lehigh Acres, FL\CADD\Exhibits\Project Maps\2025-07-07_Project Maps, Lehigh Acres, FL.dwg



FEMA MAP

300' 0' 300' 600'

GRAPHIC SCALE IN FEET

1"= 300'

SOURCE: FEMA FIRM NO. 12071C0475F DATED AUGUST 28, 2008.

PROPOSED EL CAR WASH

PARCEL ID: 25442605000630100 & 25442605000630120
2701 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

DRAWN BY:	RV
CHECKED BY:	MTP
DATE:	07/07/2025
SCALE:	1" = 300'
PROJECT ID:	TAM-250036

STONEFIELD engineering & design

Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com

Rivergate Tower, 400 N Ashley Drive, Suite 1950, Tampa, FL 33602
Phone 813.792.2200

Z:\Tampa\TAM\2025\TAM-250036 El Car Wash - 2701 Lee Boulevard, Lehigh Acres, FL\CADD\Exhibits\Project Maps\2025-07-07_Project Maps, Lehigh Acres, FL.dwg



WETLANDS MAP

200' 0' 200' 400'

GRAPHIC SCALE IN FEET
1" = 200'

SOURCE: U.S. FISH AND WILDLIFE SERVICE, NATIONAL WETLANDS INVENTORY, OBTAINED JULY 2, 2025.

PROPOSED EL CAR WASH

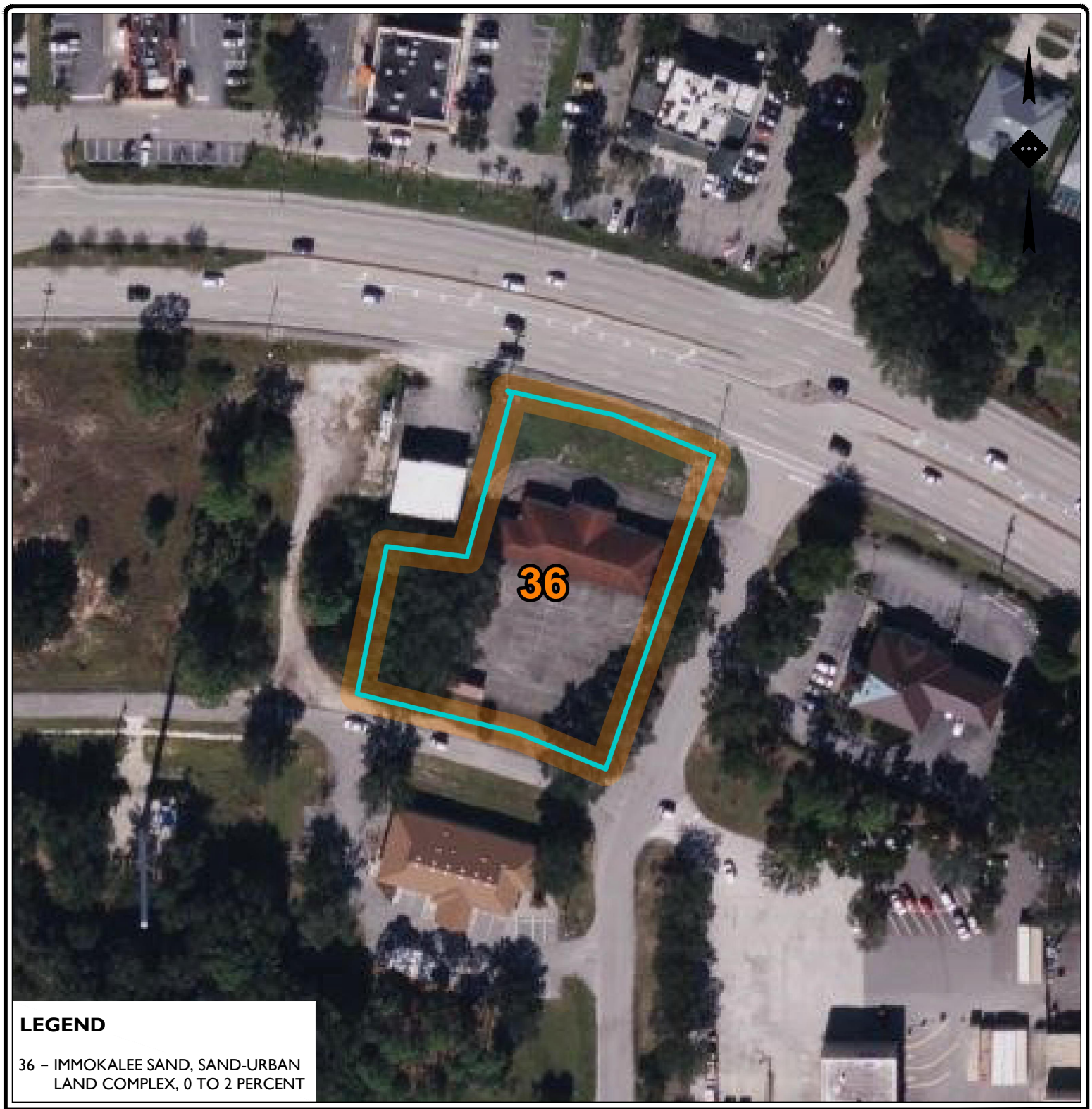
PARCEL ID: 25442605000630100 & 25442605000630120
2701 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

DRAWN BY:	RV
CHECKED BY:	MTP
DATE:	07/07/2025
SCALE:	1" = 200'
PROJECT ID:	TAM-250036

STONEFIELD engineering & design
Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com

Rivergate Tower, 400 N Ashley Drive, Suite 1950, Tampa, FL 33602
Phone 813.792.2200

Z:\Tampa\TAM\2025\TAM-250036 El Car Wash - 2701 Lee Boulevard, Lehigh Acres, FL\CADD\Exhibits\Project Maps\2025-07-07 Project Maps, Lehigh Acres, FL.dwg



LEGEND

36 – IMMOKALEE SAND, SAND-URBAN LAND COMPLEX, 0 TO 2 PERCENT

SOILS MAP

100' 0' 100' 200'

GRAPHIC SCALE IN FEET
1" = 100'

SOURCE: U.S. DEPARTMENT OF AGRICULTURE NRCS WEB SOIL SURVEY, OBTAINED JULY 2, 2025.

PROPOSED EL CAR WASH

PARCEL ID: 25442605000630100 & 25442605000630120
2701 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

DRAWN BY:	RV
CHECKED BY:	MTP
DATE:	07/07/2025
SCALE:	1" = 100'
PROJECT ID:	TAM-250036

STONEFIELD engineering & design

Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com

Rivergate Tower, 400 N Ashley Drive, Suite 1950, Tampa, FL 33602
Phone 813.792.2200

Z:\Tampa\TAM\2025\TAM-250036 El Car Wash - 2701 Lee Boulevard, Lehigh Acres, FL\CADD\Exhibits\Project Maps\2025-07-07 Project Maps, Lehigh Acres, FL.dwg

APPENDIX B
NRCS COUNTY SOIL SURVEY

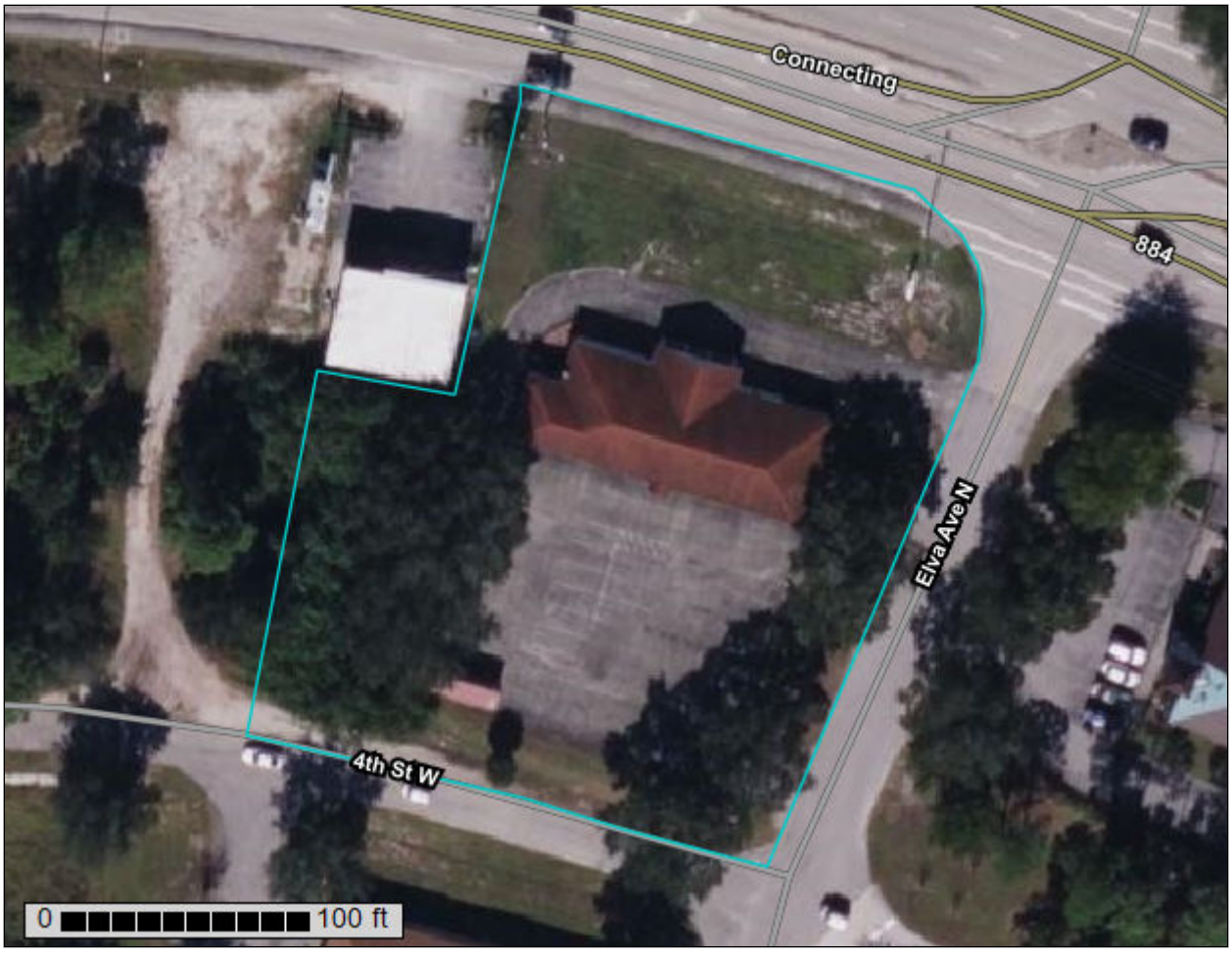
United States Department of Agriculture

NRCS

Natural Resources Conservation Service

A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

Custom Soil Resource Report for Lee County, Florida



July 2, 2025

Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (https://offices.sc.egov.usda.gov/locator/app?agency=nrcs) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or a part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.) Persons with disabilities who require

alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD). To file a complaint of discrimination, write to USDA, Director, Office of Civil Rights, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410 or call (800) 795-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity provider and employer.

Contents

Preface..... 2
Soil Map..... 5
Soil Map.....6
Legend.....7
Map Unit Legend..... 8
Map Unit Descriptions..... 8
Lee County, Florida.....10
36—Immokalee sand-Urban land complex, 0 to 2 percent slopes.....10
Soil Information for All Uses.....14
Soil Properties and Qualities..... 14
Soil Physical Properties..... 14
Saturated Hydraulic Conductivity (Ksat).....14
Soil Qualities and Features.....17
Depth to Bedrock.....17
Hydrologic Soil Group..... 21
Water Features..... 25
Depth to Water Table.....25
References.....30

Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

Custom Soil Resource Report
Soil Map



Map Scale: 1:3,000 if printed on A portrait (8.5" x 11") sheet.

N

Meters: 0 40 80 160 240

Feet: 0 100 200 400 600

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
36	Immokalee sand-Urban land complex, 0 to 2 percent slopes	1.4	100.0%
Totals for Area of Interest		**1.4**	**100.0%**

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however,

onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Lee County, Florida

36—Immokalee sand-Urban land complex, 0 to 2 percent slopes

Map Unit Setting

National map unit symbol: 2x9c1
Elevation: 0 to 150 feet
Mean annual precipitation: 42 to 68 inches
Mean annual air temperature: 70 to 77 degrees F
Frost-free period: 355 to 365 days
Farmland classification: Not prime farmland

Map Unit Composition

Immokalee and similar soils: 43 percent
Urban land: 35 percent
Minor components: 22 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Immokalee

Setting

Landform: Flatwoods on marine terraces
Landform position (three-dimensional): Riser, talf
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Sandy marine deposits

Typical profile

A - 0 to 9 inches: sand
E - 9 to 36 inches: sand
Bh - 36 to 55 inches: sand
C - 55 to 80 inches: sand

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Poorly drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 1.98 in/hr)
Depth to water table: About 6 to 18 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 4.0
Available water supply, 0 to 60 inches: Very low (about 3.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 4w
Hydrologic Soil Group: B/D
Ecological site: F155XY120FL - Sandy Flatwoods and Hammocks
Forage suitability group: Sandy soils on flats of mesic or hydric lowlands (G155XB141FL)

Other vegetative classification: Sandy soils on flats of mesic or hydric lowlands (G155XB141FL), South Florida Flatwoods (R155XY003FL)
Hydric soil rating: No

Description of Urban Land

Setting

Landform: Flatwoods on marine terraces
Landform position (three-dimensional): Riser, talf
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: No parent material

Interpretive groups

Land capability classification (irrigated): None specified
Ecological site: F155XY120FL - Sandy Flatwoods and Hammocks
Forage suitability group: Forage suitability group not assigned (G155XB999FL)
Other vegetative classification: Forage suitability group not assigned (G155XB999FL)
Hydric soil rating: Unranked

Minor Components

Basinger

Percent of map unit: 5 percent
Landform: Depressions on marine terraces
Landform position (three-dimensional): Tread, dip
Down-slope shape: Linear, concave
Across-slope shape: Linear, concave
Ecological site: R155XY070FL - Sandy Freshwater Isolated Marshes and Swamps
Other vegetative classification: Sandy soils on flats of mesic or hydric lowlands (G155XB141FL)
Hydric soil rating: Yes

Oldsmar

Percent of map unit: 4 percent
Landform: Flatwoods on marine terraces
Landform position (three-dimensional): Talf
Down-slope shape: Convex
Across-slope shape: Linear
Ecological site: F155XY120FL - Sandy Flatwoods and Hammocks
Other vegetative classification: Sandy soils on flats of mesic or hydric lowlands (G155XB141FL), South Florida Flatwoods (R155XY003FL)
Hydric soil rating: No

Pomello

Percent of map unit: 4 percent
Landform: Ridges on marine terraces, knolls on marine terraces
Landform position (two-dimensional): Summit, backslope
Landform position (three-dimensional): Side slope, interfluve, riser
Down-slope shape: Convex
Across-slope shape: Linear
Ecological site: F155XY150FL - Sandy Flatwoods and Hammocks on Rises and Knolls of Mesic Uplands
Other vegetative classification: Sandy soils on rises and knolls of mesic uplands (G155XB131FL), Sand Pine Scrub (R155XY001FL)
Hydric soil rating: No

Satellite

Percent of map unit: 2 percent
Landform: Flatwoods on marine terraces
Landform position (three-dimensional): Tread, talf
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: F155XY150FL - Sandy Flatwoods and Hammocks on Rises and Knolls of Mesic Uplands
Other vegetative classification: Sand Pine Scrub (R155XY001FL), Sandy soils on rises and knolls of mesic uplands (G155XB131FL)
Hydric soil rating: No

Immokalee

Percent of map unit: 2 percent
Landform: Flatwoods on marine terraces
Landform position (three-dimensional): Riser, talf
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: F155XY120FL - Sandy Flatwoods and Hammocks
Other vegetative classification: Sandy soils on flats of mesic or hydric lowlands (G155XB141FL), South Florida Flatwoods (R155XY003FL)
Hydric soil rating: No

Felda

Percent of map unit: 2 percent
Landform: Flatwoods on marine terraces
Landform position (three-dimensional): Tread, talf
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: R155XY080FL - Sandy over Loamy Freshwater Isolated Marshes and Swamps
Other vegetative classification: Slough (R155XY011FL), Sandy over loamy soils on flats of hydric or mesic lowlands (G155XB241FL)
Hydric soil rating: Yes

Brynwood

Percent of map unit: 2 percent
Landform: Flatwoods on marine terraces
Landform position (three-dimensional): Tread, talf
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: F155XY120FL - Sandy Flatwoods and Hammocks
Other vegetative classification: Sandy soils on flats of mesic or hydric lowlands (G155XB141FL), South Florida Flatwoods (R155XY003FL)
Hydric soil rating: Yes

Jenada

Percent of map unit: 1 percent
Landform: Flats on marine terraces
Landform position (three-dimensional): Tread, dip
Down-slope shape: Linear
Across-slope shape: Linear, concave
Ecological site: R155XY070FL - Sandy Freshwater Isolated Marshes and Swamps
Other vegetative classification: Sandy soils on stream terraces, flood plains, or in depressions (G155XB145FL), Slough (R155XY011FL)
Hydric soil rating: Yes

Soil Information for All Uses

Soil Properties and Qualities

The Soil Properties and Qualities section includes various soil properties and qualities displayed as thematic maps with a summary table for the soil map units in the selected area of interest. A single value or rating for each map unit is generated by aggregating the interpretive ratings of individual map unit components. This aggregation process is defined for each property or quality.

Soil Physical Properties

Soil Physical Properties are measured or inferred from direct observations in the field or laboratory. Examples of soil physical properties include percent clay, organic matter, saturated hydraulic conductivity, available water capacity, and bulk density.

Saturated Hydraulic Conductivity (Ksat)

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.

Custom Soil Resource Report
Map—Saturated Hydraulic Conductivity (Ksat)



Map Scale: 1:3,000 if printed on A portrait (8.5" x 11") sheet.

N

Meters: 0 40 80 160 240

Feet: 0 100 200 400 600

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

= 92.0000

Not rated or not available

Soil Rating Lines

= 92.0000

Not rated or not available

Soil Rating Points

= 92.0000

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 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.

Table—Saturated Hydraulic Conductivity (Ksat)

Map unit symbol	Map unit name	Rating (micrometers per second)	Acres in AOI	Percent of AOI
36	Immokalee sand-Urban land complex, 0 to 2 percent slopes	92.0000	1.4	100.0%
Totals for Area of Interest			**1.4**	**100.0%**

Rating Options—Saturated Hydraulic Conductivity (Ksat)

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): Surface Layer (Not applicable)

Soil Qualities and Features

Soil qualities are behavior and performance attributes that are not directly measured, but are inferred from observations of dynamic conditions and from soil properties. Example soil qualities include natural drainage, and frost action. Soil features are attributes that are not directly part of the soil. Example soil features include slope and depth to restrictive layer. These features can greatly impact the use and management of the soil.

Depth to Bedrock

The term bedrock in soil survey refers to a continuous root and water restrictive layer of rock that occurs within the soil profile.

There are many types of restrictions that can occur within the soil profile but this theme only includes the three restrictions that use the term bedrock. These are:

1) Lithic Bedrock

2) Paralithic Bedrock

3) Densic Bedrock

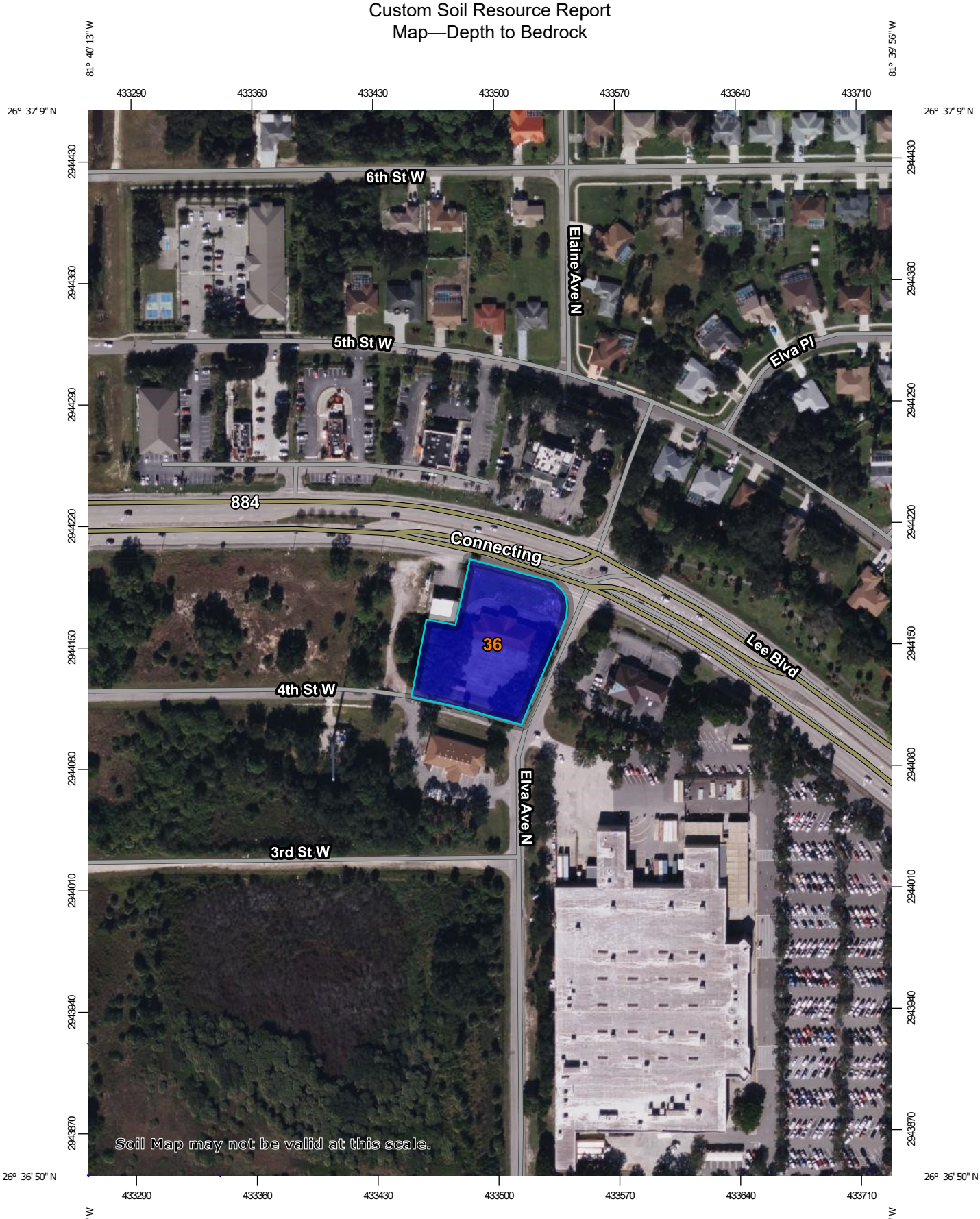
Lithic bedrock and paralithic bedrock are comprised of igneous, metamorphic, and sedimentary rocks, which are coherent and consolidated into rock through pressure, heat, cementation, or fusion. Lithic bedrock represents the hardest type of bedrock, with a hardness of strongly coherent to indurated. Paralithic bedrock has a hardness of extremely weakly coherent to moderately coherent. It can occur as a thin layer of weathered bedrock above harder lithic bedrock. Paralithic bedrock can also be much thicker, extending well below the soil profile.

Densic bedrock represents a unique kind of bedrock recognized within the soil survey. It is non-coherent and consolidated, dense root restrictive material, formed by pressure, heat, and dewatering of earth materials or sediments. Densic bedrock differs from densic materials, which formed under the compaction of glaciers, mudflows, and or human-caused compaction.

If more than one type of bedrock is described for an individual soil type, the depth to the shallowest one is given. If no bedrock is described in a map unit, it is represented by the "greater than 200" depth class.

Depth to bedrock 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.

Custom Soil Resource Report
Map—Depth to Bedrock



Map Scale: 1:3,000 if printed on A portrait (8.5" x 11") sheet.

N

Meters: 0 40 80 160 240

Feet: 0 100 200 400 600

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

0 - 25

25 - 50

50 - 100

100 - 150

150 - 200

> 200

Not rated or not available

Soil Rating Lines

0 - 25

25 - 50

50 - 100

100 - 150

150 - 200

> 200

Not rated or not available

Soil Rating Points

0 - 25

25 - 50

50 - 100

100 - 150

150 - 200

> 200

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 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.

Table—Depth to Bedrock

Map unit symbol	Map unit name	Rating (centimeters)	Acres in AOI	Percent of AOI
36	Immokalee sand-Urban land complex, 0 to 2 percent slopes	>200	1.4	100.0%
Totals for Area of Interest			**1.4**	**100.0%**

Rating Options—Depth to Bedrock

Units of Measure: centimeters

Aggregation Method: Dominant Component

Component Percent Cutoff: None Specified

Tie-break Rule: Lower

Interpret Nulls as Zero: No

Hydrologic Soil Group

Hydrologic soil groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The soils in the United States are assigned to four groups (A, B, C, and D) and three dual classes (A/D, B/D, and C/D). The groups are defined as follows:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

Group D. Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at

or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

If a soil is assigned to a dual hydrologic group (A/D, B/D, or C/D), the first letter is for drained areas and the second is for undrained areas. Only the soils that in their natural condition are in group D are assigned to dual classes.



Map Scale: 1:3,000 if printed on A portrait (8.5" x 11") sheet.

N

Meters: 0 40 80 160 240

Feet: 0 100 200 400 600

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

A

A/D

B

B/D

C

C/D

D

Not rated or not available

Soil Rating Lines

A

A/D

B

B/D

C

C/D

D

Not rated or not available

Soil Rating Points

A

A/D

B

B/D

C

C/D

D

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 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.

Table—Hydrologic Soil Group

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
36	Immokalee sand-Urban land complex, 0 to 2 percent slopes	B/D	1.4	100.0%
Totals for Area of Interest			**1.4**	**100.0%**

Rating Options—Hydrologic Soil Group

Aggregation Method: Dominant Condition

Component Percent Cutoff: None Specified

Tie-break Rule: Higher

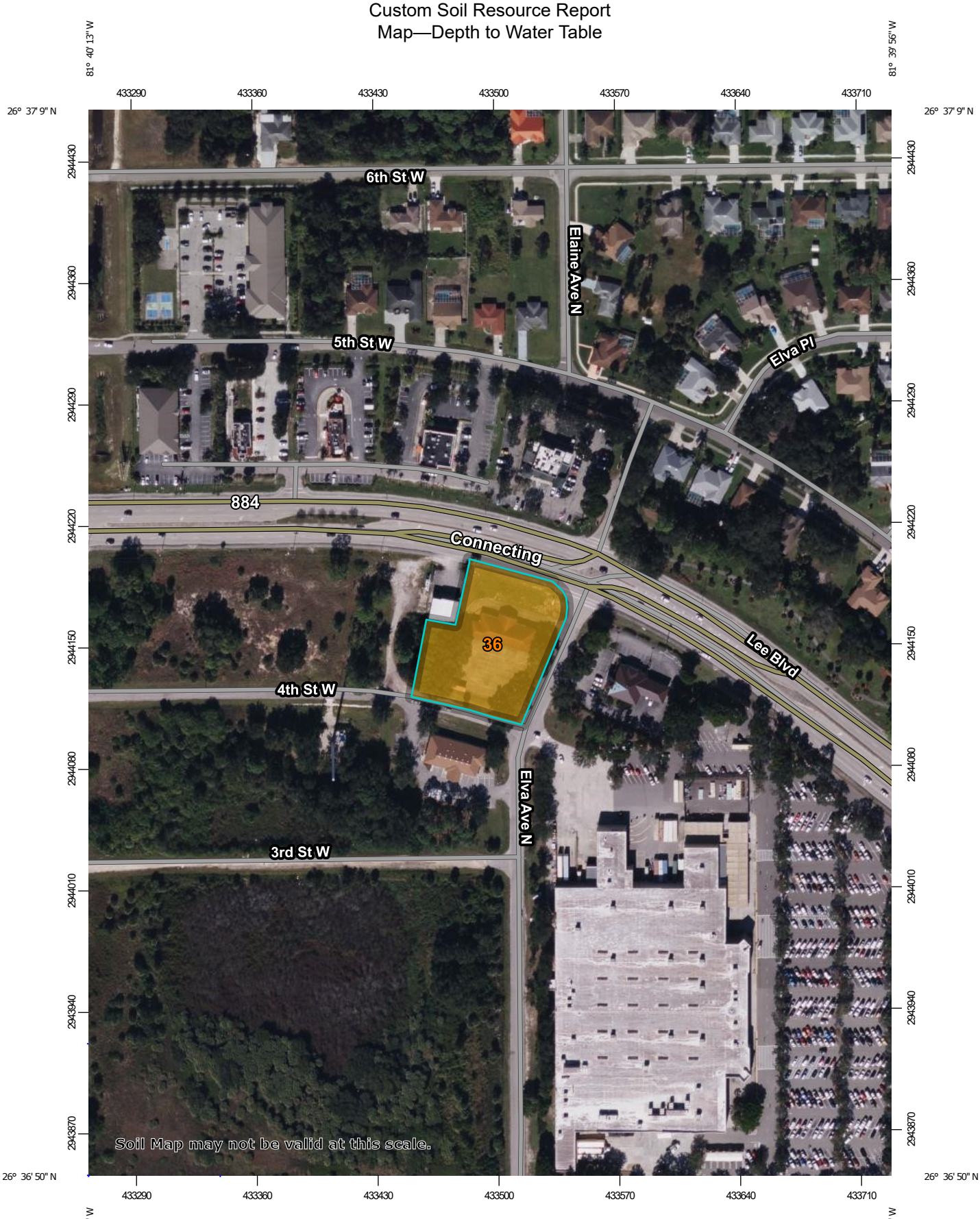
Water Features

Water Features include ponding frequency, flooding frequency, and depth to water table.

Depth to Water Table

"Water table" refers to a saturated zone in the soil. It occurs during specified months. Estimates of the upper limit are based mainly on observations of the water table at selected sites and on evidence of a saturated zone, namely grayish colors (redoximorphic features) in the soil. A saturated zone that lasts for less than a month is not considered a water table.

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.



Map Scale: 1:3,000 if printed on A portrait (8.5" x 11") sheet.

N

Meters: 0 40 80 160 240

Feet: 0 100 200 400 600

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

0 - 25

25 - 50

50 - 100

100 - 150

150 - 200

> 200

Not rated or not available

Soil Rating Lines

0 - 25

25 - 50

50 - 100

100 - 150

150 - 200

> 200

Not rated or not available

Soil Rating Points

0 - 25

25 - 50

50 - 100

100 - 150

150 - 200

> 200

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 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.

Table—Depth to Water Table

Map unit symbol	Map unit name	Rating (centimeters)	Acres in AOI	Percent of AOI
36	Immokalee sand-Urban land complex, 0 to 2 percent slopes	30	1.4	100.0%
Totals for Area of Interest			**1.4**	**100.0%**

Rating Options—Depth to Water Table

Units of Measure: centimeters

Aggregation Method: Dominant Component

Component Percent Cutoff: None Specified

Tie-break Rule: Lower

Interpret Nulls as Zero: No

Beginning Month: January

Ending Month: December

References

American Association of State Highway and Transportation Officials (AASHTO). 2004. Standard specifications for transportation materials and methods of sampling and testing. 24th edition.

American Society for Testing and Materials (ASTM). 2005. Standard classification of soils for engineering purposes. ASTM Standard D2487-00.

Cowardin, L.M., V. Carter, F.C. Golet, and E.T. LaRoe. 1979. Classification of wetlands and deep-water habitats of the United States. U.S. Fish and Wildlife Service FWS/OBS-79/31.

Federal Register. July 13, 1994. Changes in hydric soils of the United States.

Federal Register. September 18, 2002. Hydric soils of the United States.

Hurt, G.W., and L.M. Vasilas, editors. Version 6.0, 2006. Field indicators of hydric soils in the United States.

National Research Council. 1995. Wetlands: Characteristics and boundaries.

Soil Survey Division Staff. 1993. Soil survey manual. Soil Conservation Service. U.S. Department of Agriculture Handbook 18. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_054262

Soil Survey Staff. 1999. Soil taxonomy: A basic system of soil classification for making and interpreting soil surveys. 2nd edition. Natural Resources Conservation Service, U.S. Department of Agriculture Handbook 436. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053577

Soil Survey Staff. 2010. Keys to soil taxonomy. 11th edition. U.S. Department of Agriculture, Natural Resources Conservation Service. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053580

Tiner, R.W., Jr. 1985. Wetlands of Delaware. U.S. Fish and Wildlife Service and Delaware Department of Natural Resources and Environmental Control, Wetlands Section.

United States Army Corps of Engineers, Environmental Laboratory. 1987. Corps of Engineers wetlands delineation manual. Waterways Experiment Station Technical Report Y-87-1.

United States Department of Agriculture, Natural Resources Conservation Service. National forestry manual. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/home/?cid=nrcs142p2_053374

United States Department of Agriculture, Natural Resources Conservation Service. National range and pasture handbook. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/landuse/rangepasture/?cid=stelprdb1043084

United States Department of Agriculture, Natural Resources Conservation Service. National soil survey handbook, title 430-VI. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/scientists/?cid=nrcs142p2_054242

United States Department of Agriculture, Natural Resources Conservation Service. 2006. Land resource regions and major land resource areas of the United States, the Caribbean, and the Pacific Basin. U.S. Department of Agriculture Handbook 296. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053624

United States Department of Agriculture, Soil Conservation Service. 1961. Land capability classification. U.S. Department of Agriculture Handbook 210. http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_052290.pdf

APPENDIX C
GEOTECH REPORT





ECS Florida, LLC

Subsurface Exploration and Geotechnical Engineering Report

Proposed EL Car Wash – Lehigh Acres

2701 Lee Blvd
Lehigh Acres, Lee County, Florida
STRAP No.: 25-44-26-05-00063.0100 & 25-44-26-05-00063.0120

ECS Project No. 60:2560

April 17, 2025

April 17, 2025

Mr. Alejandro Quintana
Director, Development
EL Car Wash
2753 NW 87th Ave
Doral, FL 33172

ECS Project No. 60:2560

Reference: Subsurface Exploration and Geotechnical Engineering Report
Proposed EL Car Wash – Lehigh Acres
2701 Lee Blvd
Lehigh Acres, Lee County, Florida
STRAP No. 25-44-26-05-00063.0100 & 25-44-26-05-00063.0120

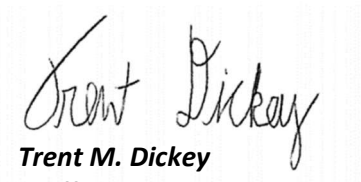
Dear Mr. Quintana:

ECS Florida, LLC (ECS) has completed the subsurface exploration, laboratory testing, and geotechnical engineering analyses for the above-referenced project. Our services were performed in general accordance with our agreed to scope of work. This report presents our understanding of the geotechnical aspects of the project along with the results of the field exploration and laboratory testing conducted, and our foundation design and earthwork construction recommendations.

It has been our pleasure to be of service to EL Car Wash. at 2701 Lee Blvd, Lehigh Acres, Lee County, Florida during the design phase of this project. We would appreciate the opportunity to remain involved during the continuation of the design phase, and we would like to provide our services during construction phase operations as well to verify subsurface conditions assumed for this report. Should you have any questions concerning the information contained in this report, or if we can be of further assistance to you, please contact us.

Respectfully submitted,

ECS Florida, LLC



Trent M. Dickey
Staff Project Manager
tdickey@ecslimited.com

Nemer (Nick) Oweis, P.E.
Senior Principal Engineer
NOweis@ecslimited.com
Registered, FL P.E. 44755

TABLE OF CONTENTS

EXECUTIVE SUMMARY 1
1.0 INTRODUCTION 2
2.0 PROJECT INFORMATION 3
2.1 Project Location/Current Site Use/Past Site Use 3
2.2 Soil Survey Mapping 4
2.3 Proposed Construction 5
3.0 FIELD EXPLORATION AND LABORATORY TESTING 5
3.1 Subsurface Characterization 5
3.2 Groundwater Observations 6
4.0 DESIGN RECOMMENDATIONS 6
4.1 Foundations 6
4.2 Slabs On Grade 7
4.3 Pavements 8
4.4 Stormwater Management and DRI Test Results 9
5.0 SITE CONSTRUCTION RECOMMENDATIONS 10
5.1 Subgrade Preparation 10
5.1.1 Stripping and Grubbing 10
5.1.2 Proofrolling 10
5.1.3 Subgrade Compaction 10
5.1.4 Site Temporary Dewatering 10
5.2 Earthwork Operations 11
5.2.1 Engineered Fill 11
5.3 Foundation and Slab Observations 11
5.4 Utility Installations 12
6.0 CLOSING 13

APPENDICES

Appendix A – Drawings & Reports
- Site Location Diagram
- Boring Location Diagrams
- Subsurface Soil Profile A-A'

Appendix B – Field Operations
- Reference Notes for Boring Logs
- Subsurface Exploration Procedure: Standard Penetration Testing (SPT)
- Boring Logs B-01 & B-02
- Hand Auger Logs HA-01 through HA-07, DHA-01 & DHA-02

Appendix C – Laboratory Testing
- Laboratory Test Results Summary
- DRI Test Results

EXECUTIVE SUMMARY

The following summarizes the main findings of the exploration, particularly those that may have a cost impact on the planned development. Further, our principal foundation recommendations are summarized. Information gleaned from the Executive Summary should not be utilized in lieu of reading the entire geotechnical report.

- Based on the results of the Standard Penetration Test (SPT) borings, we consider the subsurface conditions at the site adaptable for support of the proposed building using conventional shallow foundations consisting of column or strip footings bearing on natural soils or approved engineered fill with an allowable net soil bearing pressure of 2,000 psf.

- The site has been occupied with an existing structure (Gendron Funeral & Cremation Services Inc) since at least 1995. At the time of the drilling the structure was not yet demolished. After demolition, we recommend backhoe excavated test pits be performed prior to construction to verify that all underground structures such as old foundations, utility pipes and tanks and any other buried debris present have been removed.

- The shallow subsurface soil conditions as indicated by the auger boring results are adaptable for support of flexible and rigid pavement sections. The flexible-asphalt and rigid-concrete pavement sections design and subgrade preparation for standard and heavy-duty section recommendations, as described in Section 4.3 of this report should be followed.

- We recommend that ECS be provided the opportunity to review the foundation plans and earthwork specifications to verify that our recommendations have been properly interpreted and implemented. ECS should also be retained to perform the construction material testing and observations required for this project, to verify that our recommendations have been satisfied.

1.0 INTRODUCTION

The purpose of this study was to provide geotechnical information for the design of the proposed development for EL Car Wash. at 2701 Lee Blvd, Lehigh Acres, Lee County, Florida. The recommendations developed for this report are based on project information supplied by El Car Wash.

In preparation of this report, we have been provided with a Site Concept Plan, provided by Stonefield engineering & design, dated March 26, 2025.

Our services were provided in accordance with our Proposal No. 60:3780, dated March 7, 2025, and Change Order No. 1, as authorized by your team on March 25, 2025, which includes our Terms and Conditions of Service between ECS Florida, LLC and EL Car Wash.

The report includes the following items.

- A review of published soils mapping and/or geologic information.
- Description of site conditions including surface drainage, geologic information, and special site features.
- A description of the field exploration and laboratory tests performed.
- Final logs of the soil borings in accordance with industry standard practices for geotechnical engineering. A Boring Location Plan is included.
- The results of the laboratory tests are plotted on the final exploration logs and are included on separate test report page.
- Subsurface cross sections with available topographic information, including sampling, testing data, and groundwater levels.
- Recommended foundation support and type(s).
- Recommendations for slab-on-grade.
- Recommendations for typical pavement support and type(s).
- Recommendations for stormwater management design and DRI tests results.
- Discussion of earthwork construction considerations for compaction, reuse of soils, groundwater, expansive soils, shallow rock, drainage, or other considerations.
- Recommendations for additional subsurface exploration, laboratory testing, and/or consultation that may be required to complete the geotechnical assessment and engineering recommendations.

2.0 PROJECT INFORMATION

2.1 PROJECT LOCATION/CURRENT SITE USE/PAST SITE USE

The proposed location of the new development is located 2701 Lee Blvd, Lehigh Acres, Lee County, Florida as shown below in the figure and identified as Parcel No. 25-44-26-05-00063.0100 & 25-44-26-05-00063.0120 by the Lee County Property Appraiser website.



Site Location

Our review of the available aerials photography indicates the site has been occupied with existing structures (Gendron Funeral & Cremation Services Inc) since at least 1995. Elevations have been interpreted from Google Earth. The site appears to have an elevation of approximately EL. +25. Please note, Google Earth elevations are approximate and have been used solely because site topography is not available. These elevations should not be used for project design.

2.2 SOIL SURVEY MAPPING

Based on the Web Soil Survey for Lee County, Florida, as prepared by the U.S. Department of Agriculture Natural Resource Conservation Service (USDA-NRCS), the predominant soil types existing within the site area boundaries are described in the following table. The site area is illustrated superimposed on the USDA-NRCS Soil Survey Map in the following figure.

Web Soil Survey Data

Soil Type	Constituents	Drainage Class	Water Table
36- Immokalee sand-Urban land complex, 0 to 2 percent slopes	Sand	Poorly drained	6 to 18 inches

Soil mapping of the site vicinity included soil types and numbers are presented in figure below, obtained from the USDA Web Soil site.



Site Soil Survey, Lee County, Florida

2.3 PROPOSED CONSTRUCTION

The following information explains our understanding of the planned development including the proposed buildings and related infrastructure.

SUBJECT	DESIGN INFORMATION / ASSUMPTIONS
# of Stories	One
Footprint	Approximately ±3,678 S.F.
Usage	Car Wash
Framing	Cast-In-Place Concrete & CMU - Presumed
Column Loads*	25 kips – estimated
Wall Loads*	3.5 kips per linear foot (klf) – Estimated
Required Engineered Fill	A maximum of 2 to 3 feet above existing grade – Estimated

*If estimated loads differ from final design loads, this report needs to be revised to update our foundation recommendations, bearing capacity, and settlement calculations.

3.0 FIELD EXPLORATION AND LABORATORY TESTING

Our exploration procedures are explained in greater detail in Appendix B including the insert titled Subsurface Exploration Procedures. Our scope of work included performing two (2) Standard Penetration Test (SPT) soil borings to depths of 20 feet below existing site grade, seven (7) hand auger borings performed to depths of 6 feet below grade, and two (2) DRI tests paired with a hand auger boring each to a depth of 6 feet below grade. The borings were located with a GPS unit and their approximate locations are shown on the Boring Location Diagram (BLD) in Appendix A.

3.1 SUBSURFACE CHARACTERIZATION

The following table provides generalized characterizations of the soil strata. Please refer to the boring logs in Appendix B for more detailed information.

Generalized Subsurface Stratigraphy for SPT Borings

Approximate Depth (ft)	Stratum	Description	Ranges of SPT(1) N-values (bpf)
0 to 17	I	Very Loose to Medium Dense Poorly Graded Sand (i.e., Fine Sand) and Poorly Graded Sand with Clay (i.e., Fine Sand with Clay) (SP/SP-SC)	3 to 19
17 to 20	II	Very Loose Silty Fine Sand and Clayey Fine Sand (SM/SC)	1 to 2

(1) Standard Penetration Testing

The auger borings encountered Poorly Graded Sand and Poorly Graded Sand with Clay (SP/SP-SC) to the termination depths of the borings at 6 feet below existing ground surface.

A graphical presentation of the subsurface conditions at the SPT boring locations is shown on the Subsurface Soil Profiles included in Appendix A.

3.2 GROUNDWATER OBSERVATIONS

Groundwater levels were measured at the boring locations at depths of approximately 4 to 8 feet below existing grade as shown on the soil profiles and boring logs in Appendix B. Variations in the long-term groundwater table may occur because of changes in precipitation, tidal influence, evaporation, surface water runoff, construction activities, and other factors. **Based upon our interpretation of the subsurface data and Web soil survey, we estimate the seasonal high groundwater level to be 1.5 feet above the measured groundwater level as shown on the boring logs.**

4.0 DESIGN RECOMMENDATIONS

4.1 FOUNDATIONS

We recommend the foundation design use the following parameters:

Design Parameter	Column Footing	Wall Footing
Net Allowable Bearing Pressure (1)	2,000 psf	
Acceptable Bearing Soil Material	Stratum I or compacted engineered fill	
Minimum Width	24 inches	18 inches
Minimum Footing Embedment Depth (below slab or finished grade) (2)	18 inches	18 inches
Estimated Maximum Total Settlement (3)	1 inch	1 inch
Estimated Differential Settlement (4)	Less than ½ inches between columns	Less than ½ inches over 50 feet

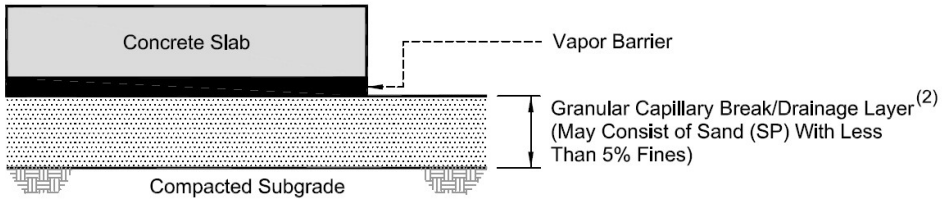
Notes:

(1) Net allowable bearing pressure is the applied pressure in excess of the surrounding overburden soils above the base of the foundation.
(2) For bearing considerations
(3) Based on estimated structural loads. If final loads are different, ECS must be contacted to update foundation recommendations and settlement calculations.
(4) Based on estimated maximum column/wall loads and variability in borings. Differential settlements can be re-evaluated once the foundation plans are more complete.

Our settlement analysis assumes the soils from the bottom of the footing elevation to depths of two feet below the bottom of the footing have been compacted in accordance with the Fill Placement recommendations included within this report.

4.2 SLABS ON GRADE

Provided subgrades and engineered fills are prepared as discussed herein, the proposed floor slabs can be constructed as Ground Supported Slabs (or Slab-On-Grade). It appears that the slabs will bear on Stratum I or compacted engineered fill soils. The following graphic depicts our soil-supported slab recommendations:



1. Drainage Layer Thickness: 4 inches
2. Drainage Layer Material: GRAVEL (GP, GW), SAND (SP, SW)

Soft or yielding soils may be encountered in some areas. Those soils should be removed and replaced with compacted Engineered Fill in accordance with the recommendations included in this report.

Vapor Barrier: Before the placement of concrete, a vapor barrier may be placed on top of the granular drainage layer to provide additional protection against moisture penetration through the floor slab. When a vapor barrier is used, special attention should be given to surface curing of the slab to reduce the potential for uneven drying, curling and/or cracking of the slab. Depending on proposed flooring material types, the structural engineer and/or the architect may choose to eliminate the vapor barrier.

Slab Isolation: Soil-supported slabs should be isolated from the foundations and foundation-supported elements of the structure so that differential movement between the foundations and slab will not induce excessive shear and bending stresses in the floor slab. Where the structural configuration prevents the use of a free-floating slab such as in a drop-down footing/monolithic slab configuration, the slab should be designed with suitable reinforcement and load transfer devices to preclude overstressing of the slab.

4.3 PAVEMENTS

General Recommendations: The recommended pavement thicknesses presented in this report section are considered typical and minimum for the provided parameters in the general site area. We understand that budgetary considerations sometimes warrant thinner pavement sections than those presented. However, the client, the owner, and the project designers should be aware that thinner pavement sections may result in increased maintenance costs and lower than anticipated pavement life. We recommend the following pavement section designs included in the table below:

	Asphalt		Concrete	
Component	**Standard**	**Heavy**	**Standard**	**Heavy**
Stabilized Subgrade	12”	12”	N/A	N/A
Base Course (Crushed Concrete/Limerock)	6”	8”	N/A	N/A
Surface Course	1½”	2”	5”	6”
Maximum Joint Control Spacing	-	-	10’ x 10’	12’ x 12’
Recommended Saw-cut Depth	-	-	1 ¼”	1 ½”

All pavement subgrades should be prepared in accordance with the recommendations presented in Section 5.0 of this report.

In areas where Portland cement concrete pavement is planned, the concrete should be placed upon a minimum of 12 inches of compacted, free draining material and compacted to 98 percent of the Modified Proctor maximum dry density (ASTM D-1557). Dumpster pads should be constructed with Portland cement slabs that extend to the front of the enclosure where wheel loads are high.

In areas where asphaltic concrete pavements are used, we suggest stabilizing the subgrade materials to a minimum Limerock Bearing Ratio (LBR) of 40 percent. All stabilized subgrade materials should be compacted to 98 percent of the Modified Proctor (ASTM D-1557) maximum dry density and meet specification requirements for Type B or Type C Stabilized Subgrade by the Florida Department of Transportation (FDOT). The stabilized subgrade may consist of imported material or a blend of on-site soils and imported materials. If a blend is proposed, we recommend that the contractor performs a mix design to find the optimum mix proportions.

Base Course: Based on the groundwater conditions encountered at the subject property, it is our professional opinion that crushed concrete or limerock is likely to be economical and feasible base course options for this project.

Base course material should follow the FDOT specification for material qualifications and placement. Place base material in maximum six-inch lifts and compact to a minimum density of 98 percent of the Modified Proctor (ASTM D-1557) maximum dry density according to their specification. Perform compliance testing for the base course to a depth of one foot at a frequency of one test per 5,000 square feet, or at a minimum of two test locations, whichever is greater.

Effects of Groundwater: One of the most critical influences on the pavement performance in Southwest Florida is the relationship between the pavement base and the seasonal high groundwater level. Roadways and parking areas that have not considered these effects typically exhibit signs of deterioration due to degradation of the base and the base/surface course bond. Regardless of the type of base selected,

we recommend that the seasonal high groundwater table and the bottom of the base course be separated by at least 18 inches for limerock and 12 inches for crushed concrete. Please note that higher separation between SHGWT and bottom of the base course may be required based on the reviewing agency indication.

Landscape Drains and Curbing: If needed, where landscaped sections are located adjacent to parking lots or driveways, we recommend that edge/strip drains be installed around these landscaped sections to protect the asphalt pavement from excess rainfall and over irrigation. Migration of irrigation water from the landscape areas to the interface between the asphalt and the base usually occurs unless landscape drains are installed. This migration often causes separation of the wearing surface from the base and subsequent rippling and pavement deterioration. The underdrains or strip drains should be routed to a positive outfall at the pavement area catch basins.

It is recommended that curbing around landscaped sections adjacent to parking lots and driveways be constructed with full-depth curb sections. Using extended curb sections which lie directly on top of the final asphalt level, or eliminating curbing entirely, can allow migration of irrigation water from the landscaped areas to the interface between the asphalt and the base. This migration often causes separation of the wearing surface from the base and subsequent rippling and pavement deterioration.

4.4 STORMWATER MANAGEMENT AND DRI TEST RESULTS

Soil Suitability - The Poorly Graded Sand (i.e., Fine Sand) (SP) and Poorly Graded Sand with Clay (i.e., Fine Sand with Clay) (SP-SC) encountered at the boring locations can be used as engineered fill.

It should be anticipated that the soils in the proposed pond areas below the groundwater level will have moisture contents in excess of the Modified Proctor optimum moisture content. This will require stockpiling or spreading to drain the excess moisture. Generally, the wet soils should be dried to bring the soil moisture content within ±2 percent of the soil's optimum moisture content to facilitate placement and compaction.

DRI Test Results - Two (2) Double-Ring Infiltrometer (DRI) tests were performed at the locations of DRI-01 and DRI-02 as shown on the boring location diagram in appendix B. These tests were performed to measure the vertical infiltration rates of the shallow soils within the pond areas.

Infiltration Test Results

Test Location	Test Depth (ft)	Approximate Test EL. (ft)	Infiltration Rate (inches/hour)*
DRI-1	1.5	23.5	45.1
DRI-2	1.5	23.5	40.4

* We recommend a maximum infiltration rate of 15 inch/hour (30 feet/day) be used for pond drawdown calculations.

5.0 SITE CONSTRUCTION RECOMMENDATIONS

5.1 SUBGRADE PREPARATION

5.1.1 Stripping and Grubbing

Prior to subgrade preparation, any existing structures, paved areas, and vegetation that will not be a part of the new development should be razed and removed from the site. The subgrade preparation should consist of stripping and removal, demolition debris, all vegetation, rootmat, topsoil, existing fill, and any soft or unsuitable materials from the 5-foot expanded building and 3-foot expanded pavement limits, and 3 feet beyond the toe of Engineered Fills. Any encountered topsoil and unsuitable surficial materials should be removed prior to the placement of Engineered fill or construction of structures. Additionally, any underground utilities or underground tanks that will not be part of the new construction should be properly capped and abandoned or removed. ECS should be retained to verify that topsoil and unsuitable surficial materials have been removed prior to the placement of Engineered fill or construction of structures. We recommend backhoe excavated test pits be performed prior to construction within the site to determine if any underground structures still remaining after demolition of the existing construction at the site.

5.1.2 Proofrolling

Prior to fill placement or other construction on subgrades, the subgrades should be evaluated by an ECS field technician. The exposed subgrade should be thoroughly proofrolled with construction equipment having a minimum axle load of 20 tons [e.g. fully loaded tandem-axle dump truck]. Proofrolling should be traversed in two perpendicular directions with a minimum of 5 overlapping passes of the vehicle under the observation of an ECS technician. This procedure is intended to assist in identifying any localized yielding materials and to densify the very loose shallow soils.

Where proofrolling identifies areas that are unstable or “pumping” subgrade those areas should be repaired prior to the placement of any subsequent Engineered Fill or other construction materials. Methods of stabilization include undercutting and/or moisture conditioning. The situation should be discussed with ECS to determine the appropriate procedure. Test pits may be excavated to explore the shallow subsurface materials to help in determining the cause of the observed unstable materials, and to assist in the evaluation of appropriate remedial actions to stabilize the subgrade.

5.1.3 Subgrade Compaction

Upon completion of subgrade documentation, the exposed subgrade within the 10-foot expanded building and five-foot expanded pavement limits should be moisture conditioned to within -one and +three % of the soil’s optimum moisture content and be compacted with suitable equipment (minimum 8-ton roller) to a depth of 10 inches. Subgrade compaction within the expanded building and pavement limits should be to a dry density of at least 95 percent of the Modified Proctor maximum dry density (ASTM D1557). ECS should be called on to document that proper subgrade compaction has been achieved.

5.1.4 Site Temporary Dewatering

Because of the need for densification of the soils within the upper 2 feet below the stripped surface, temporary groundwater control measures may be required if the groundwater level is within 2 feet below

the stripped and grubbed surface at the time of construction. Should groundwater control measures become necessary, dewatering methods should be determined by the contractor. We recommend the groundwater control measures, if necessary; remain in place until compaction of the existing soils is completed. The dewatering method should be maintained until backfilling has reached a height of 2 feet above the groundwater level at the time of construction. The site should be graded to direct surface water runoff from the construction area.

5.2 EARTHWORK OPERATIONS

5.2.1 Engineered Fill

Prior to placement of Engineered Fill, representative bulk samples (about 50 pounds) of on-site and/or off-site borrow should be submitted to ECS for laboratory testing, which will typically include Atterberg limits, natural moisture content, grain-size distribution, and moisture-density relationships (i.e., Proctors) for compaction. Import materials should be tested prior to being hauled to the site to determine if they meet project specifications. Alternatively, Proctor data from other accredited laboratories can be submitted if the test results are within the last 90 days.

Satisfactory Engineered Fill Materials: Engineered fill is defined as a non-plastic, inorganic, granular soil having less than 12 percent material passing the No. 200 mesh sieve and containing less than 4 percent organic material. Soils with more than 12 and less than 25 percent passing the No. 200 sieve can also be used as engineered fill but we caution that they may be more difficult to compact due to their nature to retain soil moisture, and may require drying.

ENGINEERED FILL COMPACTION REQUIREMENTS	
Subject	**Requirement**
Compaction Standard	Modified Proctor, ASTM D1557
Required Compaction	95% of Max. Dry Density (general structural fill) 98% of Max. Dry Density (upper one foot below the proposed pavement base course)
Moisture Content	-2 to +3 % points of the soil's optimum value
Loose Thickness	12 inches if vibratory drum roller compaction equipment is used 8 inches if vibratory drum roller is used in static mode 8 inches if track-mounted compaction equipment is used 6 inches if hand-held compaction equipment is used

5.3 FOUNDATION AND SLAB OBSERVATIONS

Protection of Foundation Excavations: Exposure to the environment may weaken the soils at the footing bearing level if the foundation excavations remain open for too long a time. Therefore, foundation concrete should be placed the same day that excavations are made. If the bearing soils are softened by surface water intrusion or exposure, the softened soils must be removed from the foundation excavation bottom immediately prior to placement of concrete. If the excavation must remain open overnight, or if rainfall becomes imminent while the bearing soils are exposed, a 1 to 3-inch thick "mud mat" of "lean" concrete should be placed on the bearing soils before the placement of reinforcing steel.

Footing Subgrade Observations: Most of the soils at the foundation bearing elevation are anticipated to be suitable for support of the proposed structure. It is important to have ECS observe the foundation subgrade prior to placing foundation concrete, to confirm the bearing soils are what was anticipated.

Slab Subgrade Verification: Prior to placement of a drainage layer, the subgrade should be prepared in accordance with the recommendations found in **Section 5.1.2 Proofrolling and Section 5.1.3 Subgrade Compaction.**

5.4 UTILITY INSTALLATIONS

Utility Subgrades: The soils encountered in our exploration are expected to be generally suitable for support of utility pipes. The pipe subgrades should be observed and probed for stability by ECS. Any loose or unsuitable materials encountered should be removed and replaced with suitable compacted Engineered Fill, or pipe stone bedding material.

Utility Backfilling: The granular bedding material (often AASHTO #57 stone) should be at least 4 inches thick, but not less than that specified by the civil engineer's project drawings and specifications. We recommend that the bedding materials be placed up to the springline of the pipe. Fill placed for support of the utilities, as well as backfill over the utilities, should satisfy the requirements for Engineered Fill and Fill Placement.

Excavation Safety: All excavations and slopes should be constructed and maintained in accordance with OSHA excavation safety standards. The contractor is solely responsible for designing, constructing, and maintaining stable temporary excavations and slopes. The contractor's responsible person, as defined in 29 CFR Part 1926, should evaluate the soil exposed in the excavations as part of the contractor's safety procedures. In no case should slope height, slope inclination, or excavation depth, including utility trench excavation depth, exceed those specified in local, state, and federal safety regulations. ECS is providing this information solely as a service to our client. ECS is not assuming responsibility for construction site safety or the contractor's activities; such responsibility is not being implied and should not be inferred.

6.0 CLOSING

ECS has prepared this report to guide the geotechnical-related design and construction aspects of the project. We performed these services in accordance with the standard of care expected of professionals in the industry performing similar services on projects of like size and complexity at this time in the region. No other representation expressed or implied, and no warranty or guarantee is included or intended in this report.

The description of the proposed project is based on information provided to ECS by Client. If any of this information is inaccurate or changes, either because of our interpretation of the documents provided or site or design changes that may occur later, ECS should be contacted so we can review our recommendations and provide additional or alternate recommendations that reflect the proposed construction.

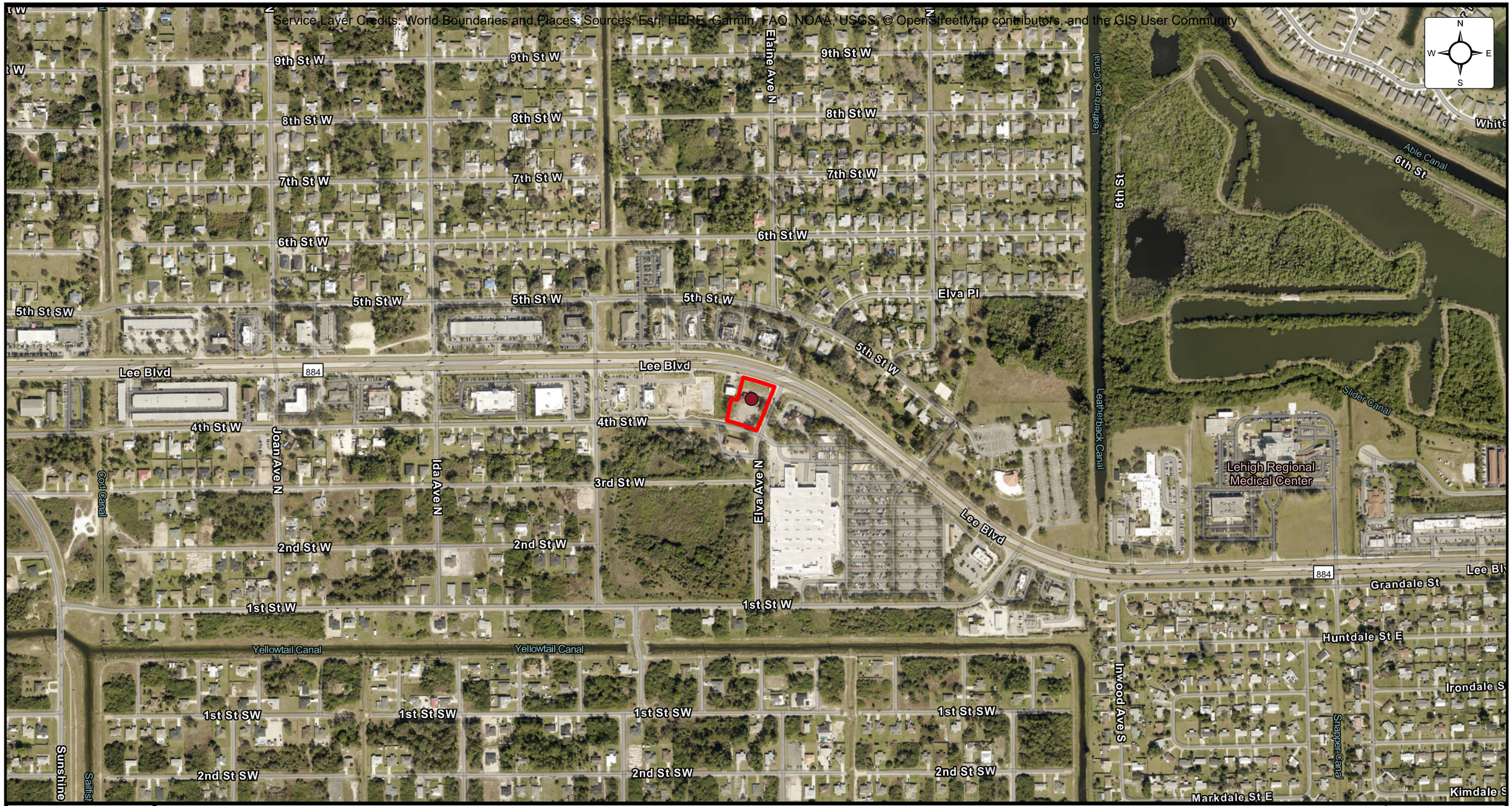
We recommend that ECS review the project plans and specifications so we can confirm that those plans/specifications are in accordance with the recommendations of this geotechnical report.

Field observations, and quality assurance testing during earthwork and foundation installation are an extension of, and integral to, the geotechnical design. We recommend that ECS be retained to apply our expertise throughout the geotechnical phases of construction, and to provide consultation and recommendation should issues arise.

ECS is not responsible for the conclusions, opinions, or recommendations of others based on the data in this report.

Appendix A - Drawings and Reports

Site Location Diagram
Boring Location Diagram(s)
Subsurface Cross-Section(s)



SITE LOCATION DIAGRAM

EL Car Wash - Lehigh Acres

2701 Lee Blvd, Lehigh Acres, Florida
EL Car Wash, LLC

ENGINEER	HP6
SCALE	1" = 500"
PROJECT NO.	60:2560
SHEET	1 OF 2
DATE	4/9/2025

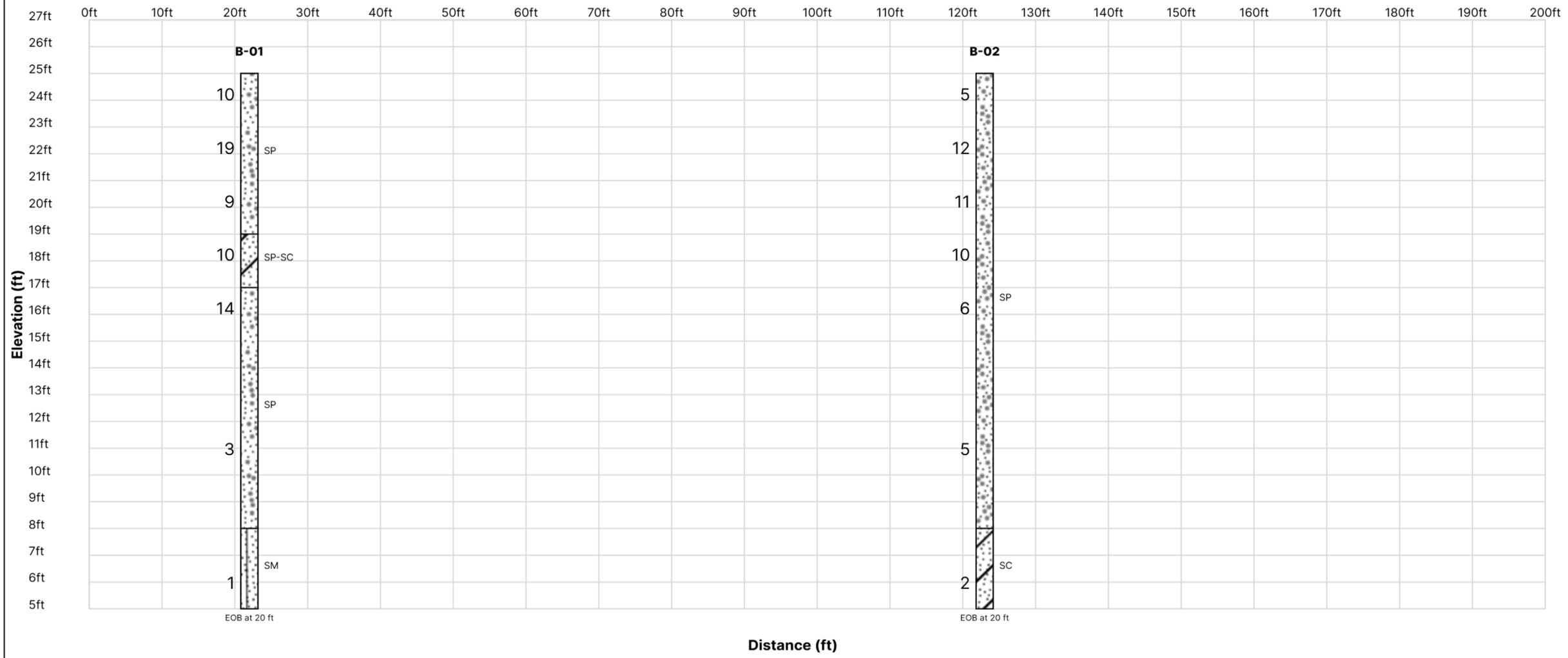
Service Layer Credits: World Boundaries and Places: Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User



BORING LOCATION DIAGRAM
EL Car Wash - Lehigh Acres
2701 Lee Blvd, Lehigh Acres, Florida
EL Car Wash, LLC

ENGINEER	HP6
SCALE	1" = 30'
PROJECT NO.	60:2560
SHEET	2 OF 2
DATE	4/9/2025

Subsurface Cross Section - Page 1 of 1 (0 ft to 200 ft)



CLIENT:	EL Car Wash	PROJECT:	EL Car Wash - Lehigh Acres
DRAWN DATE:	4/17/2025	PROJECT NO.:	60:2560
CHECKED DATE:	4/17/2025	SCALE:	NTS

Notes:

1 - EOB: END OF BORING AR: AUGER REFUSAL SR: SAMPLER REFUSAL
2 - SEE INDIVIDUAL BORING LOG AND GEOTECHNICAL INFORMATION.
3 - STANDARD PENETRATION TEST RESISTANCE (LEFT OF BORING) IN BLOWS PER FOOT (ASTM D1586).
4 - TOPOGRAPHIC INFORMATION IS BASED ON PUBLICLY AVAILABLE DATA (GOOGLE OR CESIUM). THE TOPOGRAPHIC LINE SHOWN BETWEEN BORINGS IS FOR VISUAL REFERENCE ONLY.

PLEASE REFER TO THE REFERENCE NOTES FOR BORING LOGS FOR SYMBOLOGY MEANING AND ADDITIONAL INFORMATION.

Plastic Limit Water Content Liquid Limit X—●—△		WL (First Encountered)		Fill	
[FINES CONTENT %]		WL (Completion)		Possible Fill	
	BOTTOM OF CASING	WL (Estimated Seasonal High Water)		Probable Fill	
100%	LOSS OF CIRCULATION	WL (Stabilized)		WR/Rock	
○	CALIBRATED PENETROMETER				

Appendix B – Field Operations

Reference Notes
Exploration Procedures
Boring Logs
Infiltration/Permeability/Hydraulic Test Results

REFERENCE NOTES FOR BORING LOGS

MATERIAL[1,2]

		ASPHALT
		CONCRETE
		GRAVEL
		TOPSOIL
		VOID
		BRICK
		AGGREGATE BASE COURSE
	GW	WELL-GRADED GRAVEL gravel-sand mixtures, little or no fines
	GP	POORLY-GRADED GRAVEL gravel-sand mixtures, little or no fines
	GM	SILTY GRAVEL gravel-sand-silt mixtures
	GC	CLAYEY GRAVEL gravel-sand-clay mixtures
	SW	WELL-GRADED SAND gravelly sand, little or no fines
	SP	POORLY-GRADED SAND gravelly sand, little or no fines
	SM	SILTY SAND sand-silt mixtures
	SC	CLAYEY SAND sand-clay mixtures
	ML	SILT non-plastic to medium plasticity
	MH	ELASTIC SILT high plasticity
	CL	LEAN CLAY low to medium plasticity
	CH	FAT CLAY high plasticity
	OL	ORGANIC SILT or CLAY non-plastic to low plasticity
	OH	ORGANIC SILT or CLAY high plasticity
	PT	PEAT highly organic soils

DRILLING SAMPLING SYMBOLS & ABBREVIATIONS

SS	Split Spoon Sampler	PM	Pressuremeter Test
ST	Shelby Tube Sampler	RD	Rock Bit Drilling
WS	Wash Sample	RC	Rock Core, NX, BX, AX
BS	Bulk Sample of Cuttings	REC	Rock Sample Recovery %
PA	Power Auger (no sample)	RQD	Rock Quality Designation %
HSA	Hollow Stem Auger		

PARTICLE SIZE IDENTIFICATION

DESIGNATION		PARTICLE SIZES
Boulders		12 inches (300 mm) or larger
Cobbles		3 inches to 12 inches (75 mm to 300 mm)
Gravel:	Coarse	¾ inch to 3 inches (19 mm to 75 mm)
	Fine	4.75 mm to 19 mm (No. 4 sieve to ¾ inch)
Sand:	Coarse	2.00 mm to 4.75 mm (No. 10 to No. 4 sieve)
	Medium	0.425 mm to 2.00 mm (No. 40 to No. 10 sieve)
	Fine	0.074 mm to 0.425 mm (No. 200 to No. 40 sieve)
Silt & Clay ("Fines")		<0.074 mm (smaller than a No. 200 sieve)

COHESIVE SILTS & CLAYS

UNCONFINED COMPRESSIVE STRENGTH, Q_P[4]	SPT[5] (BPF)	CONSISTENCY[7] (COHESIVE)
<0.25	<2	Very Soft
0.25 - <0.50	2 - 4	Soft
0.50 - <1.00	5 - 8	Firm
1.00 - <2.00	9 - 15	Stiff
2.00 - <4.00	16 - 30	Very Stiff
4.00 - 8.00	31 - 50	Hard
>8.00	>50	Very Hard

GRAVELS, SANDS & NON-COHESIVE SILTS

SPT[5]	DENSITY
<5	Very Loose
5 - 10	Loose
11 - 30	Medium Dense
31 - 50	Dense
>50	Very Dense

RELATIVE AMOUNT[7]	COARSE GRAINED (%)[8]	FINE GRAINED (%)[8]
Trace	≤5	≤5
With	10 - 20	10 - 25
Adjective *(ex: "Silty")*	25 - 45	30 - 45

WATER LEVELS[6]

- WL (First Encountered)
- WL (Completion)
- WL (Seasonal High Water)
- WL (Stabilized)

FILL AND ROCK

FILL | POSSIBLE FILL | PROBABLE FILL | ROCK

[1]Classifications and symbols per ASTM D 2488-17 (Visual-Manual Procedure) unless noted otherwise.

[2]To be consistent with general practice, "POORLY GRADED" has been removed from GP, GP-GM, GP-GC, SP, SP-SM, SP-SC soil types on the boring logs.

[3]Non-ASTM designations are included in soil descriptions and symbols along with ASTM symbol [Ex: (SM-FILL)].

[4]Typically estimated via pocket penetrometer or Torvane shear test and expressed in tons per square foot (tsf).

[5]Standard Penetration Test (SPT) refers to the number of hammer blows (blow count) of a 140 lb. hammer falling 30 inches on a 2 inch OD split spoon sampler required to drive the sampler 12 inches (ASTM D 1586). "N-value" is another term for "blow count" and is expressed in blows per foot (bpf). SPT correlations per 7.4.2 Method B and need to be corrected if using an auto hammer.

[6]The water levels are those levels actually measured in the borehole at the times indicated by the symbol. The measurements are relatively reliable when augering, without adding fluids, in granular soils. In clay and cohesive silts, the determination of water levels may require several days for the water level to stabilize. In such cases, additional methods of measurement are generally employed.

[7]Minor deviation from ASTM D 2488-17 Note 14.

[8]Percentages are estimated to the nearest 5% per ASTM D 2488-17.

© 2021 ECS Corporate Services, LLC. All Rights Reserved

SUBSURFACE EXPLORATION PROCEDURE: STANDARD PENETRATION TESTING (SPT) ASTM D 1586 Split-Barrel Sampling

Standard Penetration Testing, or **SPT**, is the most frequently used subsurface exploration test performed worldwide. This test provides samples for identification purposes, as well as a measure of penetration resistance, or N-value. The N-Value, or blow counts, when corrected and correlated, can approximate engineering properties of soils used for geotechnical design and engineering purposes.

SPT Procedure:

- Involves driving a hollow tube (split-spoon) into the ground by dropping a 140-lb hammer a height of 30-inches at desired depth
- Recording the number of hammer blows required to drive split-spoon a distance of 18-24 inches (in 3 or 4 Increments of 6 inches each)



- Auger is advanced* and an additional SPT is performed
- One SPT typically performed for every two to five feet. An approximate 1.5 inch diameter soil sample is recovered.



**Drilling Methods May Vary*— The predominant drilling methods used for SPT are open hole fluid rotary drilling and hollow-stem auger drilling.

CLIENT: **EL Car Wash**	PROJECT NO.: **60:2560**	BORING NO.: **B-01**	SHEET: **1 OF 1**
PROJECT NAME: **EL Car Wash - Lehigh Acres**	DRILLER/CONTRACTOR: **Naples Well Drilling, Inc**		
SITE LOCATION: **2701 Lee Blvd, Lehigh Acres, Florida, 33971**			LOSS OF CIRCULATION
LATITUDE: **26.616483**	LONGITUDE: **-81.667912**	STATION:	SURFACE ELEVATION: **25**	BOTTOM OF CASING

DEPTH (FT)	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE DISTANCE (IN)	SAMPLE RECOVERY (IN)	DESCRIPTION OF MATERIAL	STRATIGRAPHY	WATER LEVELS	ELEVATION (FT)	BLOWS/6" (TCP/MC/SPT-N VALUE)*
0	S-01	SS	24	24	(SP) POORLY GRADED SAND - tannish gray to gray, moist, loose to medium dense , trace roots, trace limestone.			25	2-6-4-6 (10)
	S-02	SS	24	24					9-9-10-11 (19)
5	S-03	SS	24	24				20	6-4-5-9 (9)
	S-04	SS	24	24	(SP-SC) POORLY GRADED SAND WITH CLAY - gray, moist, loose.		▼		5-4-6-4 (10)
	S-05	SS	24	24	(SP) POORLY GRADED SAND - gray, moist to wet, very loose to medium dense.		▽		7-8-6-6 (14)
10								15	
	S-06	SS	18	18					3-2-1 (3)
15								10	
					(SM) SILTY FINE SAND - light brown, wet, very loose , trace limestone.				
	S-07	SS	18	18					1-1 (1)
					END OF BORING AT 20ft			5	

RQD% ◆ REC% ◆ (0 20 40 60 80 100)

TCP ▼ ModCal ⊠ SPT ⊗ (0 10 20 30 40 50)

PL MC LL (0 20 40 60 80 100)

THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY LINES BETWEEN SOIL TYPES. IN-SITU THE TRANSITION MAY BE GRADUAL

▽ WL (First Encountered):	8 ft	BORING STARTED:	03/24/2025	CAVE IN DEPTH:	Not Observed
▼ WL (Completion):		BORING COMPLETED:	03/24/2025	HAMMER TYPE:	Automatic
▼ WL (Seasonal High Water):	6.5 ft	EQUIPMENT:	LOGGED BY:	DRILLING METHOD:	
▽ WL (Stabilized):			TMD1	Mud Rotary	

GEOTECHNICAL BOREHOLE LOG

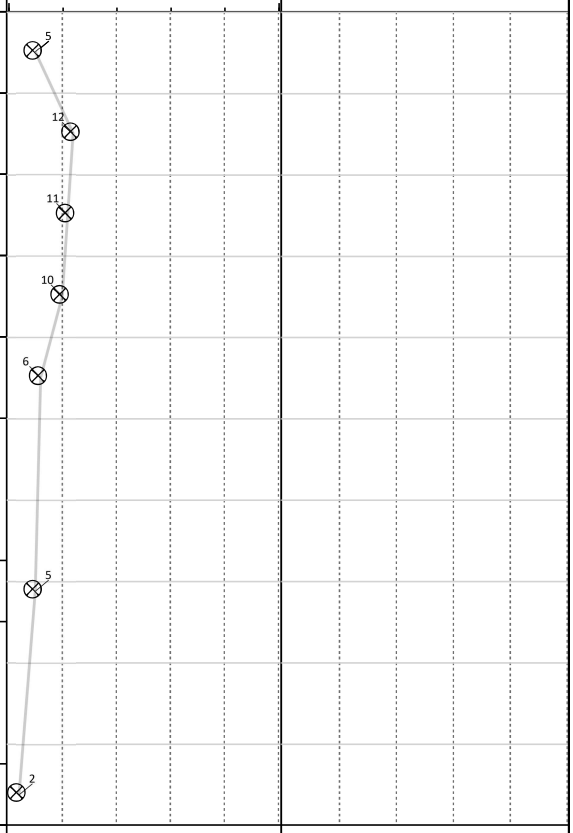
CLIENT:	PROJECT NO.:	BORING NO.:	SHEET:
EL Car Wash	**60:2560**	**B-02**	**1 OF 1**
PROJECT NAME: **EL Car Wash - Lehigh Acres**	DRILLER/CONTRACTOR: **Naples Well Drilling, Inc**		
SITE LOCATION: **2701 Lee Blvd, Lehigh Acres, Florida, 33971**			LOSS OF CIRCULATION
LATITUDE: **26.616731**	LONGITUDE: **-81.667769**	STATION:	SURFACE ELEVATION: **25**	BOTTOM OF CASING

DEPTH (FT)	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE DISTANCE (IN)	SAMPLE RECOVERY (IN)	DESCRIPTION OF MATERIAL	STRATIGRAPHY	WATER LEVELS	ELEVATION (FT)	BLOWS/6" (TCP/MC/SPT-N VALUE)*
	S-1	SS	24	24	(SP) POORLY GRADED SAND - tannish gray to gray, moist to wet, loose to medium dense , trace roots, trace limestone.			25	2-2-3-3 (5)
	S-02	SS	24	24					5-6-6-6 (12)
5	S-03	SS	24	24			▼	20	5-5-6-5 (11)
	S-04	SS	24	24			▽		4-6-4-4 (10)
	S-05	SS	24	24					4-3-3-5 (6)
10								15	
	S-06	SS	18	18					2-2-3 (5)
15					(SC) CLAYEY FINE SAND - gray, wet, very loose Trace limestone.			10	
	S-07	SS	18	18					1-1-1 (2)
					END OF BORING AT 20ft			5	

RQD% ◆ REC% ◆ 0 20 40 60 80 100

TCP ▼ ModCal ▣ SPT ⊗ 0 10 20 30 40 50

PL MC LL 0 20 40 60 80 100



THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY LINES BETWEEN SOIL TYPES. IN-SITU THE TRANSITION MAY BE GRADUAL

▽ WL (First Encountered):	7.5 ft	BORING STARTED:	03/24/2025	CAVE IN DEPTH:	Not Observed
▼ WL (Completion):		BORING COMPLETED:	03/24/2025	HAMMER TYPE:	Automatic
▼ WL (Seasonal High Water):	6 ft	EQUIPMENT:	LOGGED BY:	DRILLING METHOD:	
▽ WL (Stabilized):			TMD1	Mud Rotary	

GEOTECHNICAL BOREHOLE LOG

CLIENT: **EL Car Wash**	PROJECT NO.: **60:2560**	HAND AUGER NO.: **DHA-01**	SHEET: **1 OF 1**
PROJECT NAME: **EL Car Wash - Lehigh Acres**	SITE LOCATION: **2701 Lee Blvd, Lehigh Acres, Florida, 33971**		
LATITUDE: **26.616962**	LONGITUDE: **-81.667852**	STATION:	SURFACE ELEVATION: **25**

DEPTH (FT)	WATER LEVELS	ELEVATION (FT)	DESCRIPTION OF MATERIAL	GRAPHIC LOG	DCP	EXCAVATION EFFORT	SAMPLE NUMBER	FINES CONTENT (%)	MOISTURE CONTENT (%)
0		25	(SP) POORLY GRADED SAND - light gray, moist, trace roots.						
1									
2			As above but no trace roots.						
3	▼								
4	▽		As above but wet.						
5		20							
			END OF HAND AUGER AT 6ft						

REMARKS:

THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY LINES BETWEEN SOIL TYPES. IN-SITU THE TRANSITION MAY BE GRADUAL

EXCAVATION EFFORT: E-EASY M-MEDIUM D-DIFFICULT VD-VERY DIFFICULT

▽ WL (First Encountered): 4 ft	▼ WL (Seasonal High Water): 2.5 ft	ECS REP:	DATE COMPLETED:	UNITS:	CAVE-IN-DEPTH:
▼ WL (Completion):		Sandy	03/27/2025	English	Not Observed

HAND AUGER LOG

CLIENT: **EL Car Wash**	PROJECT NO.: **60:2560**	HAND AUGER NO.: **DHA-02**	SHEET: **1 OF 1**
PROJECT NAME: **EL Car Wash - Lehigh Acres**	SITE LOCATION: **2701 Lee Blvd, Lehigh Acres, Florida, 33971**		
LATITUDE: **26.616580**	LONGITUDE: **-81.668308**	STATION:	SURFACE ELEVATION: **25**

DEPTH (FT)	WATER LEVELS	ELEVATION (FT)	DESCRIPTION OF MATERIAL	GRAPHIC LOG	DCP	EXCAVATION EFFORT	SAMPLE NUMBER	FINES CONTENT (%)	MOISTURE CONTENT (%)
0		25	(SP) POORLY GRADED SAND - light brown, moist, trace limestone, trace roots.						
1									
2									
3	▼								
4			As above but moist to wet, no trace limestone, no trace roots.						
5	▽	20							
			END OF HAND AUGER AT 6ft						

REMARKS:

THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY LINES BETWEEN SOIL TYPES. IN-SITU THE TRANSITION MAY BE GRADUAL

EXCAVATION EFFORT: E-EASY M-MEDIUM D-DIFFICULT VD-VERY DIFFICULT

▽ WL (First Encountered): 4.5 ft	▼ WL (Seasonal High Water): 3 ft	ECS REP:	DATE COMPLETED:	UNITS:	CAVE-IN-DEPTH:
▼ WL (Completion):			03/27/2025	English	Not Observed

HAND AUGER LOG

CLIENT:	PROJECT NO.:	BORING NO.:	SHEET:
EL Car Wash	**60:2560**	**HA-01**	**1 OF 1**
PROJECT NAME: **EL Car Wash - Lehigh Acres**	DRILLER/CONTRACTOR: **Naples Well Drilling, Inc**		
SITE LOCATION: **2701 Lee Blvd, Lehigh Acres, Florida, 33971**			LOSS OF CIRCULATION
LATITUDE: **26.616460**	LONGITUDE: **-81.668015**	STATION:	SURFACE ELEVATION: **25**	BOTTOM OF CASING

DEPTH (FT)	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE DISTANCE (IN)	SAMPLE RECOVERY (IN)	DESCRIPTION OF MATERIAL	STRATIGRAPHY	WATER LEVELS	ELEVATION (FT)	BLOWS/6" (TCP/MC/SPT-N VALUE)*
0					(SP) POORLY GRADED SAND - gray, moist, Trace roots.			25	
					As above but no trace roots				
5								20	
					END OF HAND AUGER AT 6ft				

RQD% ◆ REC% ◆ 0 20 40 60 80 100

TCP ▼ ModCal ▣ SPT ⊗ 0 10 20 30 40 50

PL MC LL 0 20 40 60 80 100

THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY LINES BETWEEN SOIL TYPES. IN-SITU THE TRANSITION MAY BE GRADUAL

▽ WL (First Encountered): **Not Encountered**	**BORING STARTED:** 03/24/2025		**CAVE IN DEPTH:** Not Observed
▼ WL (Completion):	**BORING COMPLETED:** 03/24/2025		**HAMMER TYPE:**
▼ WL (Seasonal High Water):	**EQUIPMENT:**	**LOGGED BY:**	**DRILLING METHOD:**
▽ WL (Stabilized):		TMD1	Hand Auger

GEOTECHNICAL BOREHOLE LOG

CLIENT: **EL Car Wash**	PROJECT NO.: **60:2560**	BORING NO.: **HA-02**	SHEET: **1 OF 1**
PROJECT NAME: **EL Car Wash - Lehigh Acres**	DRILLER/CONTRACTOR: **Naples Well Drilling, Inc**		
SITE LOCATION: **2701 Lee Blvd, Lehigh Acres, Florida, 33971**			LOSS OF CIRCULATION
LATITUDE: **26.616583**	LONGITUDE: **-81.668041**	STATION:	SURFACE ELEVATION: **25**	BOTTOM OF CASING

DEPTH (FT)	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE DISTANCE (IN)	SAMPLE RECOVERY (IN)	DESCRIPTION OF MATERIAL	STRATIGRAPHY	WATER LEVELS	ELEVATION (FT)	BLOWS/6" (TCP/MC/SPT-N VALUE)*	RQD% ◆ REC% ◆ 0 20 40 60 80 100 / TCP ▼ ModCal ▣ SPT ⊗ 0 10 20 30 40 50	PL MC LL 0 20 40 60 80 100
0					(SP) POORLY GRADED SAND - gray, moist, Trace roots.			25			
					As above but no trace roots						
5								20			
					END OF HAND AUGER AT 6ft						

THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY LINES BETWEEN SOIL TYPES. IN-SITU THE TRANSITION MAY BE GRADUAL

▽ WL (First Encountered):	Not Encountered	BORING STARTED:	03/24/2025	CAVE IN DEPTH:	Not Observed
▼ WL (Completion):		BORING COMPLETED:	03/24/2025	HAMMER TYPE:	
▼ WL (Seasonal High Water):		EQUIPMENT:	LOGGED BY:	DRILLING METHOD:	
▽ WL (Stabilized):			TMD1	Hand Auger	

GEOTECHNICAL BOREHOLE LOG

CLIENT: **EL Car Wash**	PROJECT NO.: **60:2560**	BORING NO.: **HA-03**	SHEET: **1 OF 1**
PROJECT NAME: **EL Car Wash - Lehigh Acres**	DRILLER/CONTRACTOR: **Naples Well Drilling, Inc**		
SITE LOCATION: **2701 Lee Blvd, Lehigh Acres, Florida, 33971**			LOSS OF CIRCULATION
LATITUDE: **26.616902**	LONGITUDE: **-81.667905**	STATION:	SURFACE ELEVATION: **25**	BOTTOM OF CASING

DEPTH (FT)	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE DISTANCE (IN)	SAMPLE RECOVERY (IN)	DESCRIPTION OF MATERIAL	STRATIGRAPHY	WATER LEVELS	ELEVATION (FT)	BLOWS/6" (TCP/MC/SPT-N VALUE)*	RQD% ◆ REC% ◆ 0 20 40 60 80 100 / TCP ▼ ModCal ▣ SPT ⊗ 0 10 20 30 40 50	PL MC LL 0 20 40 60 80 100
0					(SP) POORLY GRADED SAND - gray, moist,			25			
5								20			
					END OF HAND AUGER AT 6ft						

THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY LINES BETWEEN SOIL TYPES. IN-SITU THE TRANSITION MAY BE GRADUAL

▽ WL (First Encountered):	**Not Encountered**	**BORING STARTED:**	**03/24/2025**	**CAVE IN DEPTH:**	**Not Observed**
▼ WL (Completion):		**BORING COMPLETED:**	**03/24/2025**	**HAMMER TYPE:**	
▼ WL (Seasonal High Water):		**EQUIPMENT:**	**LOGGED BY:**	**DRILLING METHOD:**	
▽ WL (Stabilized):			**TMD1**	**Hand Auger**	

GEOTECHNICAL BOREHOLE LOG

CLIENT:	PROJECT NO.:	BORING NO.:	SHEET:
EL Car Wash	**60:2560**	**HA-04**	**1 OF 1**
PROJECT NAME: **EL Car Wash - Lehigh Acres**	DRILLER/CONTRACTOR: **Naples Well Drilling, Inc**		
SITE LOCATION: **2701 Lee Blvd, Lehigh Acres, Florida, 33971**			LOSS OF CIRCULATION
LATITUDE: **26.616453**	LONGITUDE: **-81.668188**	STATION:	SURFACE ELEVATION: **25**	BOTTOM OF CASING

DEPTH (FT)	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE DISTANCE (IN)	SAMPLE RECOVERY (IN)	DESCRIPTION OF MATERIAL	STRATIGRAPHY	WATER LEVELS	ELEVATION (FT)	BLOWS/6" (TCP/MC/SPT-N VALUE)*
					(SP-SC) POORLY GRADED SAND WITH CLAY - gray, moist.			25	
5					(SP) POORLY GRADED SAND - gray, moist.			20	
					END OF HAND AUGER AT 6ft				

RQD% ◆ REC% ◆ 0 20 40 60 80 100

TCP ▼ ModCal ▣ SPT ⊗ 0 10 20 30 40 50

PL MC LL 0 20 40 60 80 100

THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY LINES BETWEEN SOIL TYPES. IN-SITU THE TRANSITION MAY BE GRADUAL

▽ WL (First Encountered): **Not Encountered**	**BORING STARTED: 03/24/2025**		**CAVE IN DEPTH: Not Observed**
▼ WL (Completion):	**BORING COMPLETED: 03/24/2025**		**HAMMER TYPE:**
▼ WL (Seasonal High Water):	**EQUIPMENT:**	**LOGGED BY:**	**DRILLING METHOD:**
▽ WL (Stabilized):		**TMD1**	**Hand Auger**

GEOTECHNICAL BOREHOLE LOG

CLIENT:	PROJECT NO.:	BORING NO.:	SHEET:
EL Car Wash	**60:2560**	**HA-05**	**1 OF 1**
PROJECT NAME: **EL Car Wash - Lehigh Acres**	DRILLER/CONTRACTOR: **Naples Well Drilling, Inc**		
SITE LOCATION: **2701 Lee Blvd, Lehigh Acres, Florida, 33971**			LOSS OF CIRCULATION
LATITUDE: **26.616601**	LONGITUDE: **-81.668196**	STATION:	SURFACE ELEVATION: **25**	BOTTOM OF CASING

DEPTH (FT)	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE DISTANCE (IN)	SAMPLE RECOVERY (IN)	DESCRIPTION OF MATERIAL	STRATIGRAPHY	WATER LEVELS	ELEVATION (FT)	BLOWS/6" (TCP/MC/SPT-N VALUE)*
					(SP-SC) POORLY GRADED SAND WITH CLAY - gray, moist.			25	
5					(SP) POORLY GRADED SAND - gray, moist.			20	
					END OF HAND AUGER AT 6ft				

RQD% ◆ REC% ◆ (0 20 40 60 80 100)

TCP ▼ ModCal ▣ SPT ⊗ (0 10 20 30 40 50)

PL MC LL (0 20 40 60 80 100)

THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY LINES BETWEEN SOIL TYPES. IN-SITU THE TRANSITION MAY BE GRADUAL

▽ WL (First Encountered): **Not Encountered**	**BORING STARTED:** 03/24/2025		**CAVE IN DEPTH:** Not Observed
▼ WL (Completion):	**BORING COMPLETED:** 03/24/2025		**HAMMER TYPE:**
▼ WL (Seasonal High Water):	**EQUIPMENT:**	**LOGGED BY:**	**DRILLING METHOD:**
▽ WL (Stabilized):		TMD1	Hand Auger

GEOTECHNICAL BOREHOLE LOG

CLIENT:	PROJECT NO.:	BORING NO.:	SHEET:
EL Car Wash	**60:2560**	**HA-06**	**1 OF 1**
PROJECT NAME: **EL Car Wash - Lehigh Acres**	DRILLER/CONTRACTOR: **Naples Well Drilling, Inc**		
SITE LOCATION: **2701 Lee Blvd, Lehigh Acres, Florida, 33971**			LOSS OF CIRCULATION
LATITUDE: **26.616882**	LONGITUDE: **-81.668061**	STATION:	SURFACE ELEVATION: **25**	BOTTOM OF CASING

DEPTH (FT)	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE DISTANCE (IN)	SAMPLE RECOVERY (IN)	DESCRIPTION OF MATERIAL	STRATIGRAPHY	WATER LEVELS	ELEVATION (FT)	BLOWS/6" (TCP/MC/SPT-N VALUE)*
					(SP-SC) POORLY GRADED SAND WITH CLAY - gray, moist.			25	
					(SP) POORLY GRADED SAND - gray, moist.				
5								20	
					END OF HAND AUGER AT 6ft				

RQD% ◆ REC% ◆ 0 20 40 60 80 100

TCP ▼ ModCal ⊠ SPT ⊗ 0 10 20 30 40 50

PL MC LL 0 20 40 60 80 100

THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY LINES BETWEEN SOIL TYPES. IN-SITU THE TRANSITION MAY BE GRADUAL

▽ WL (First Encountered): **Not Encountered**	**BORING STARTED: 03/24/2025**		**CAVE IN DEPTH: Not Observed**
▼ WL (Completion):	**BORING COMPLETED: 03/24/2025**		**HAMMER TYPE:**
▼ WL (Seasonal High Water):	**EQUIPMENT:**	**LOGGED BY:**	**DRILLING METHOD:**
▽ WL (Stabilized):		**TMD1**	**Hand Auger**

GEOTECHNICAL BOREHOLE LOG

CLIENT: **EL Car Wash**	PROJECT NO.: **60:2560**	BORING NO.: **HA-07**	SHEET: **1 OF 1**
PROJECT NAME: **EL Car Wash - Lehigh Acres**	DRILLER/CONTRACTOR: **Naples Well Drilling, Inc**		
SITE LOCATION: **2701 Lee Blvd, Lehigh Acres, Florida, 33971**			LOSS OF CIRCULATION
LATITUDE: **26.616835**	LONGITUDE: **-81.667746**	STATION:	SURFACE ELEVATION: **25**	BOTTOM OF CASING

DEPTH (FT)	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE DISTANCE (IN)	SAMPLE RECOVERY (IN)	DESCRIPTION OF MATERIAL	STRATIGRAPHY	WATER LEVELS	ELEVATION (FT)	BLOWS/6" (TCP/MC/SPT-N VALUE)*	RQD% ◆ REC% ◆ 0 20 40 60 80 100 / TCP ▼ ModCal ▣ SPT ⊗ 0 10 20 30 40 50	PL MC LL 0 20 40 60 80 100
0					(SP) POORLY GRADED SAND - gray, moist.			25			
5								20			
					END OF HAND AUGER AT 6ft						

THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY LINES BETWEEN SOIL TYPES. IN-SITU THE TRANSITION MAY BE GRADUAL

▽ WL (First Encountered): **Not Encountered**	**BORING STARTED:** 03/24/2025		**CAVE IN DEPTH:** Not Observed
▼ WL (Completion):	**BORING COMPLETED:** 03/24/2025		**HAMMER TYPE:**
▼ WL (Seasonal High Water):	**EQUIPMENT:**	**LOGGED BY:**	**DRILLING METHOD:**
▽ WL (Stabilized):		TMD1	Hand Auger

GEOTECHNICAL BOREHOLE LOG

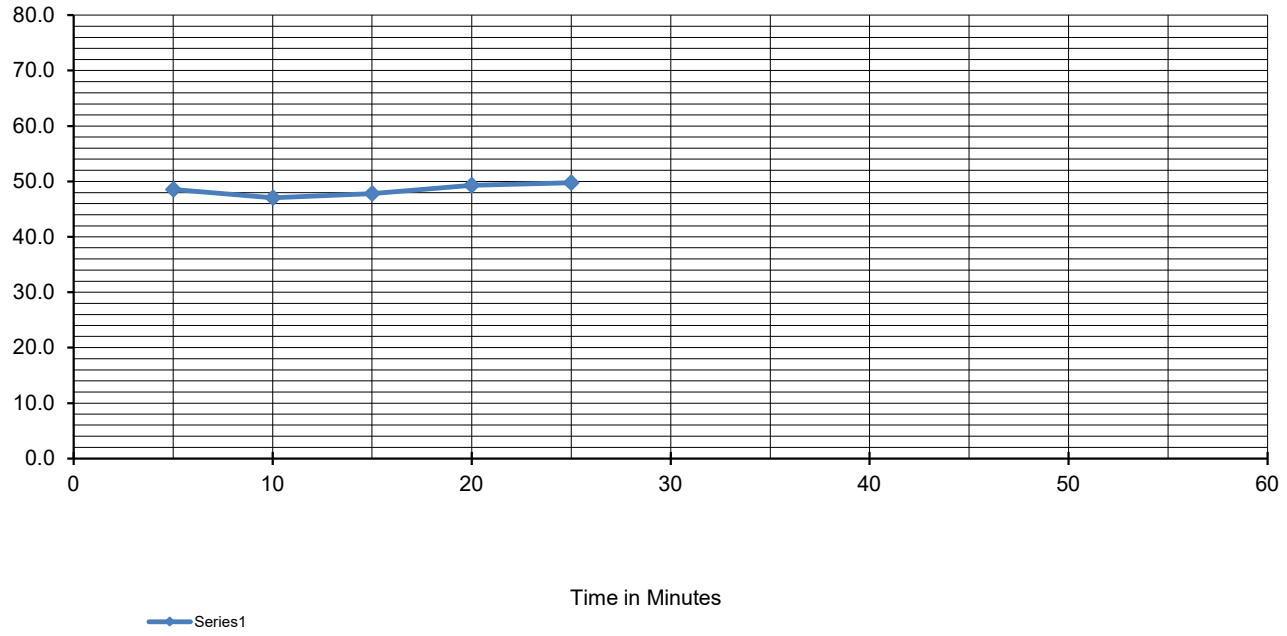
DOUBLE RING INFILTROMETER TEST RESULTS

Project: Proposed El Car Wash - Lehigh Acres

ECS Project No.: 60-2560
Test No.: DRI-02
Date Performed: 3/27/2025
Performed by: ECS

DOUBLE RING INFILTROMETER TEST RESULTS:

Groundwater Depth:	Groundwater not encountered	ft				
Approximate Ground Surface Elev.	25	ft				
Test Depth:	1.50	ft				
Test Elevation:	23.50	ft				
Test Location:	DRI-02				Kv (ft/day)	Kh (ft/day)
Ave. Stabilized Infiltr. Rate, In/Hr =	40.4		80.8	ft/day	80.8	121.2



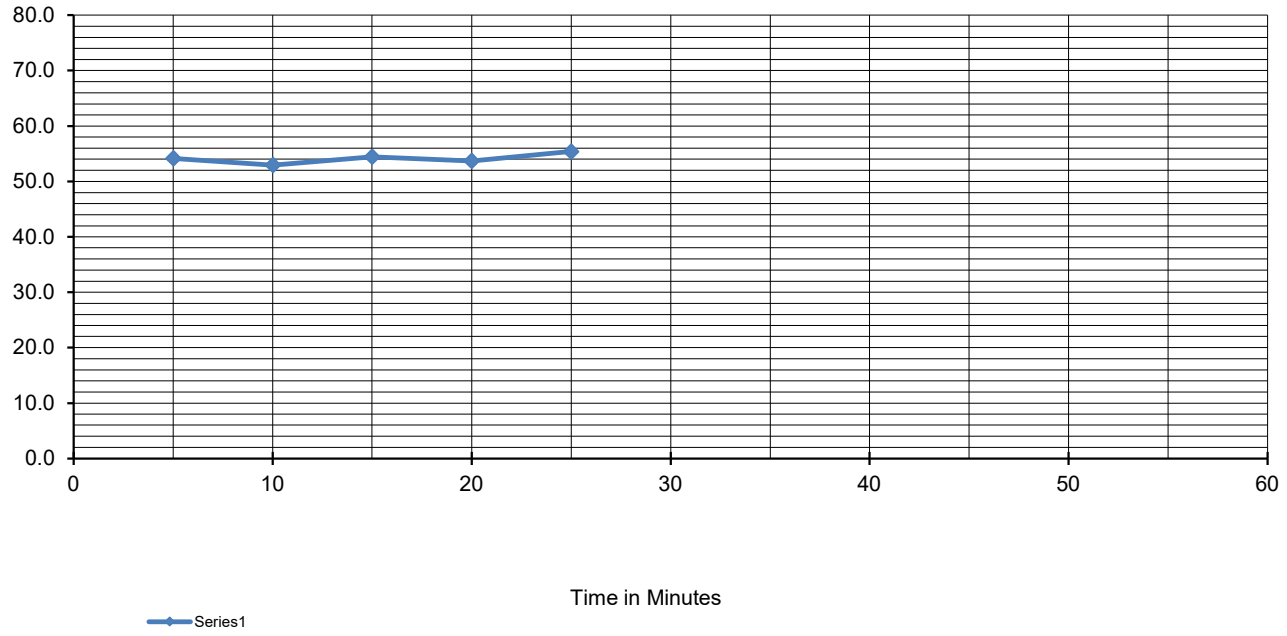
DOUBLE RING INFILTROMETER TEST RESULTS

Project: Proposed El Car Wash - Lehigh Acres

ECS Project No.: 60-2560
Test No.: DRI-01
Date Performed: 3/27/2025
Performed by: ECS

DOUBLE RING INFILTROMETER TEST RESULTS:

Groundwater Depth:	Groundwater not encountered	ft			
Approximate Ground Surface Elev.	25	ft			
Test Depth:	1.50	ft			
Test Elevation:	23.50	ft			
Test Location:	DRI-01			Kv (ft/day)	Kh (ft/day)
Ave. Stabilized Infiltr. Rate, In/Hr =	45.1		90.2 ft/day	90.2	135.3



APPENDIX D
DESIGN CALCULATIONS & DIAGRAMS

APPENDIX D-1
HydroCAD Routing Diagram



Subcat Reach Pond Link

Routing Diagram for 2025-08-01_Stormwater Calculations
Prepared by Stonefield Engineering & Design, Printed 8/1/2025
HydroCAD® 10.20-5c s/n 10626 © 2023 HydroCAD Software Solutions LLC

APPENDIX D-2
SFWMD 25-YEAR, 72-HOUR HYDROGRAPHS



Subcat Reach Pond Link

Routing Diagram for 2025-11-26_Stormwater Calculations
Prepared by Stonefield Engineering & Design, Printed 11/26/2025
HydroCAD® 10.20-5c s/n 06682 © 2023 HydroCAD Software Solutions LLC

Summary for Subcatchment E1-A: EXISTING DRAINAGE AREA

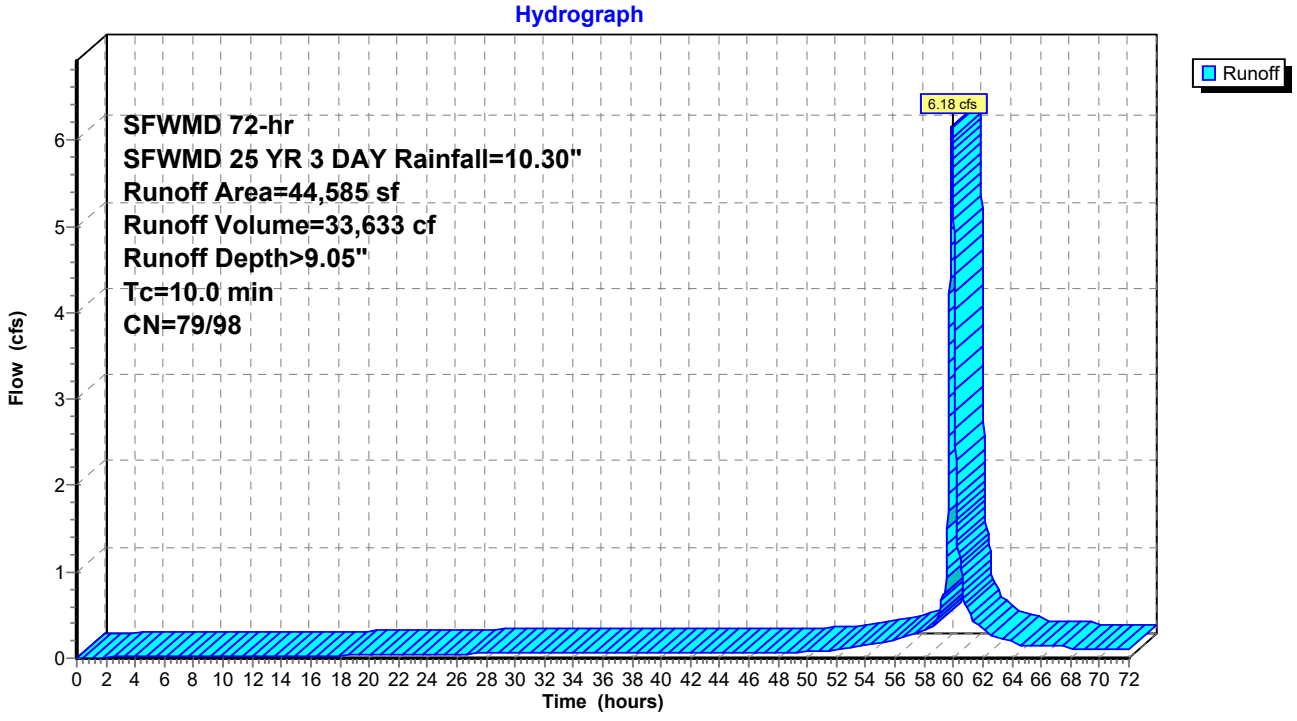
Runoff = 6.18 cfs @ 59.89 hrs, Volume= 33,633 cf, Depth> 9.05"
Routed to Pond EX-B-1 : EXISTING DRY INFILTRATION BASIN

Runoff by SCS TR-20 method, UH=SCS, Split Pervious/Imperv., Time Span= 0.00-72.00 hrs, dt= 0.01 hrs
SFWMD 72-hr SFWMD 25 YR 3 DAY Rainfall=10.30"

Area (sf)	CN	Description
25,913	98	Paved parking, HSG A
18,672	79	<50% Grass cover, Poor, HSG B
44,585	90	Weighted Average
18,672	79	41.88% Pervious Area
25,913	98	58.12% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					**Direct Entry,**

Subcatchment E1-A: EXISTING DRAINAGE AREA



Summary for Subcatchment P1-A: PROPOSED DRAINAGE AREA

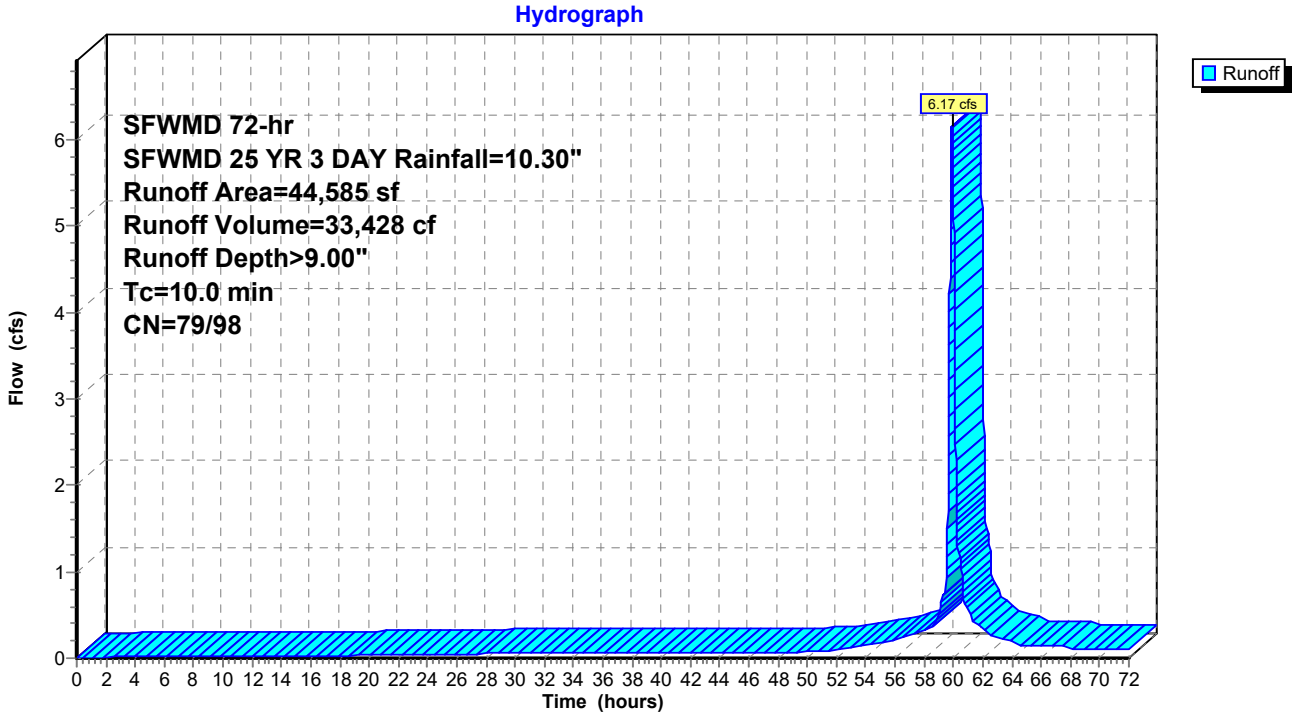
Runoff = 6.17 cfs @ 59.89 hrs, Volume= 33,428 cf, Depth> 9.00"
Routed to Pond B-1 : PROPOSED DRY INFILTRATION BASIN

Runoff by SCS TR-20 method, UH=SCS, Split Pervious/Imperv., Time Span= 0.00-72.00 hrs, dt= 0.01 hrs
SFWMD 72-hr SFWMD 25 YR 3 DAY Rainfall=10.30"

Area (sf)	CN	Description
24,880	98	Paved parking, HSG A
19,705	79	<50% Grass cover, Poor, HSG B
44,585	90	Weighted Average
19,705	79	44.20% Pervious Area
24,880	98	55.80% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					**Direct Entry,**

Subcatchment P1-A: PROPOSED DRAINAGE AREA



Summary for Pond B-1: PROPOSED DRY INFILTRATION BASIN

Inflow Area = 44,585 sf, 55.80% Impervious, Inflow Depth > 9.00" for SFWMD 25 YR 3 DAY event
Inflow = 6.17 cfs @ 59.89 hrs, Volume= 33,428 cf
Outflow = 5.83 cfs @ 59.95 hrs, Volume= 33,427 cf, Atten= 6%, Lag= 3.7 min
Discarded = 5.83 cfs @ 59.95 hrs, Volume= 33,427 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-72.00 hrs, dt= 0.01 hrs
Peak Elev= 22.61' @ 59.95 hrs Surf.Area= 7,139 sf Storage= 2,562 cf

Plug-Flow detention time= (not calculated: outflow precedes inflow)
Center-of-Mass det. time= 3.1 min (3,239.1 - 3,236.0)

Volume	Invert	Avail.Storage	Storage Description
#1	22.50'	3,101 cf	**NORTH BASIN (Irregular)** Listed below (Recalc)
#2	22.50'	901 cf	**SW BASIN (Irregular)** Listed below (Recalc)
#3	22.50'	170 cf	**SOUTH BASIN (Irregular)** Listed below (Recalc)
#4	22.50'	948 cf	**SE BASIN (Irregular)** Listed below (Recalc)
#5	23.15'	148 cf	**12.0" Round Pipe Storage** L= 189.0'
#6	23.15'	8 cf	**12.0" Round Pipe Storage** L= 10.0'
#7	23.80'	20 cf	**12.0" Round Pipe Storage** L= 25.0'
#8	21.83'	0 cf	**NORTH BASIN SOIL LAYER (Irregular)** Listed below (Recalc) 1,616 cf Overall x 0.0% Voids
#9	20.00'	1,766 cf	**NORTH BASIN STONE LAYER (Irregular)** Listed below (Recalc) 4,414 cf Overall x 40.0% Voids
#10	21.83'	0 cf	**SE BASIN SOIL LAYER (Irregular)** Listed below (Recalc) 314 cf Overall x 0.0% Voids
#11	20.00'	343 cf	**SE BASIN STONE LAYER (Irregular)** Listed below (Recalc) 856 cf Overall x 40.0% Voids
#12	21.83'	0 cf	**SOUTH BASIN SOIL LAYER (Irregular)** Listed below (Recalc) 51 cf Overall x 0.0% Voids
#13	20.00'	56 cf	**SOUTH BASIN STONE LAYER (Irregular)** Listed below (Recalc) 139 cf Overall x 40.0% Voids
#14	21.83'	0 cf	**SW BASIN SOIL LAYER (Irregular)** Listed below (Recalc) 140 cf Overall x 0.0% Voids
#15	20.00'	324 cf	**SW BASIN STONE LAYER (Irregular)** Listed below (Recalc) 809 cf Overall x 40.0% Voids
		7,784 cf	Total Available Storage

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
22.50	220	68.1	0	0	220
23.00	569	341.8	190	190	9,148
23.50	1,479	645.5	494	685	33,010
24.00	2,454	654.9	973	1,658	34,036
24.50	3,344	664.8	1,444	3,101	35,127

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
22.50	226	60.7	0	0	226
23.50	442	81.4	328	328	471
24.50	714	101.2	573	901	772

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
22.50	7	12.5	0	0	7
23.50	76	32.8	35	35	84
24.50	203	51.7	134	170	218

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
22.50	176	58.6	0	0	176
23.50	468	109.2	310	310	857
24.50	825	128.6	638	948	1,243

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
21.83	2,412	654.9	0	0	2,412
22.50	2,412	654.9	1,616	1,616	2,851

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
20.00	2,412	654.9	0	0	2,412
21.83	2,412	654.9	4,414	4,414	3,610

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
21.83	468	109.2	0	0	468
22.50	468	109.2	314	314	541

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
20.00	468	109.2	0	0	468
21.83	468	109.2	856	856	668

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
21.83	76	32.8	0	0	76
22.50	76	32.8	51	51	98

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
20.00	76	32.8	0	0	76
21.83	76	32.8	139	139	136

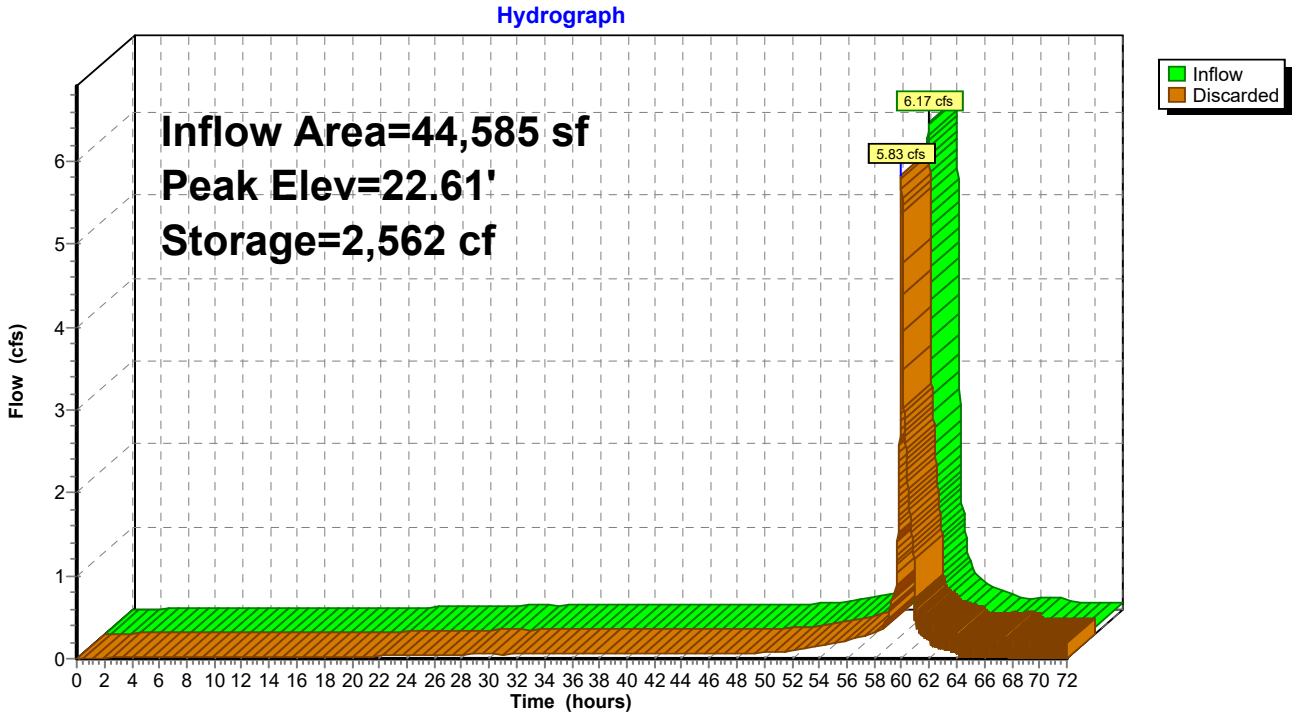
Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
21.83	442	81.4	0	0	442
22.50	45	81.4	140	140	497

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
20.00	442	81.4	0	0	442
21.83	442	81.4	809	809	591

Device	Routing	Invert	Outlet Devices
#1	Discarded	20.00'	**15.000 in/hr Exfiltration over Wetted area** Conductivity to Groundwater Elevation = 18.00'

Discarded OutFlow Max=5.82 cfs @ 59.95 hrs HW=22.61' (Free Discharge)
1=Exfiltration (Controls 5.82 cfs)

Pond B-1: PROPOSED DRY INFILTRATION BASIN



Summary for Pond EX-B-1: EXISTING DRY INFILTRATION BASIN

Inflow Area = 44,585 sf, 58.12% Impervious, Inflow Depth > 9.05" for SFWMD 25 YR 3 DAY event
Inflow = 6.18 cfs @ 59.89 hrs, Volume= 33,633 cf
Outflow = 3.79 cfs @ 60.09 hrs, Volume= 33,633 cf, Atten= 39%, Lag= 11.9 min
Discarded = 2.08 cfs @ 60.09 hrs, Volume= 30,439 cf
Primary = 1.71 cfs @ 60.09 hrs, Volume= 3,194 cf
Routed to Link E-1 : EXISTING RUNOFF

Routing by Dyn-Stor-Ind method, Time Span= 0.00-72.00 hrs, dt= 0.01 hrs
Peak Elev= 24.00' @ 60.09 hrs Surf.Area= 4,684 sf Storage= 4,524 cf

Plug-Flow detention time= (not calculated: outflow precedes inflow)
Center-of-Mass det. time= 7.1 min (3,236.5 - 3,229.5)

Volume	Invert	Avail.Storage	Storage Description
#1	22.50'	7,209 cf	**Custom Stage Data (Irregular)** Listed below (Recalc)

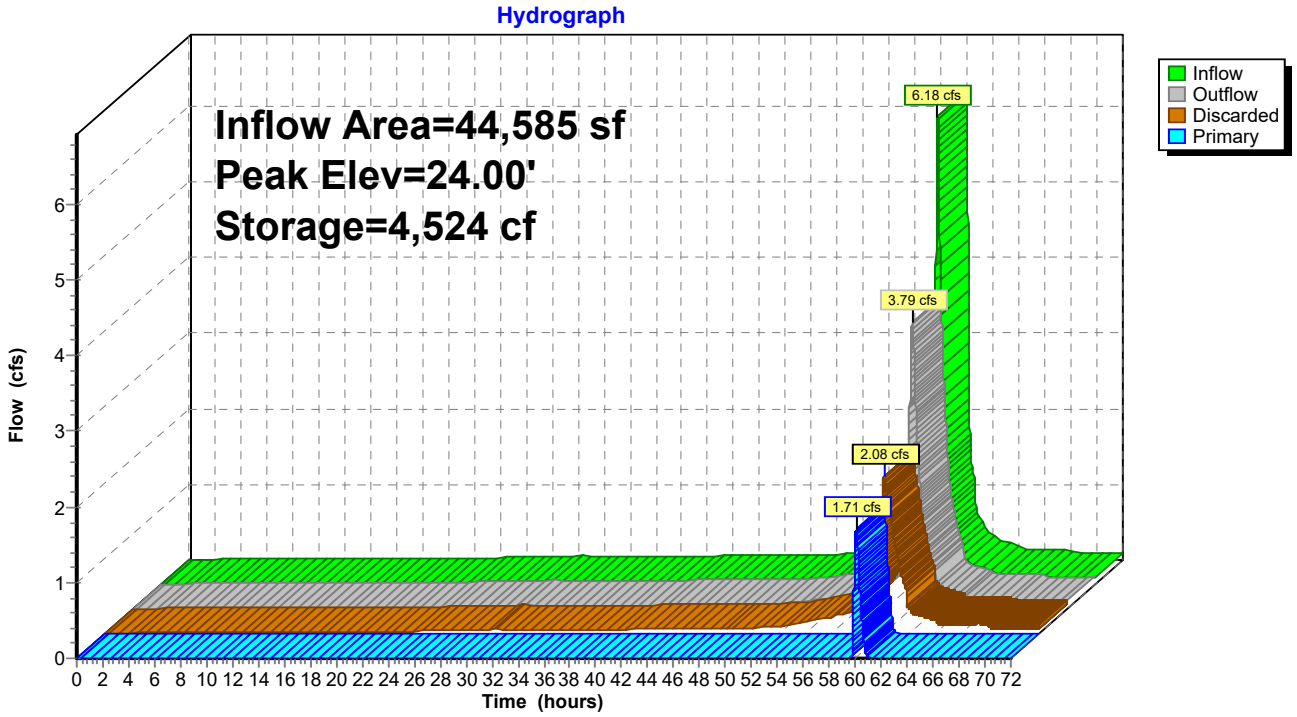
Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
22.50	1,503	204.0	0	0	1,503
23.00	2,488	243.1	987	987	2,899
23.50	3,549	272.4	1,501	2,489	4,107
24.50	5,997	308.6	4,720	7,209	5,806

Device	Routing	Invert	Outlet Devices
#1	Primary	23.01'	**12.0" Round Corruguated PE Pipe** L= 22.6' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 23.00' / 23.01' S= -0.0004 '/' Cc= 0.900 n= 0.009 Corrugated PE, smooth interior, Flow Area= 0.79 sf
#2	Discarded	22.50'	**15.000 in/hr Exfiltration over Wetted area** Conductivity to Groundwater Elevation = 18.00'

Discarded OutFlow Max=2.08 cfs @ 60.09 hrs HW=24.00' (Free Discharge)
↑**2=Exfiltration** (Controls 2.08 cfs)

Primary OutFlow Max=1.71 cfs @ 60.09 hrs HW=24.00' TW=0.00' (Dynamic Tailwater)
↑**1=Corruguated PE Pipe** (Barrel Controls 1.71 cfs @ 2.72 fps)

Pond EX-B-1: EXISTING DRY INFILTRATION BASIN

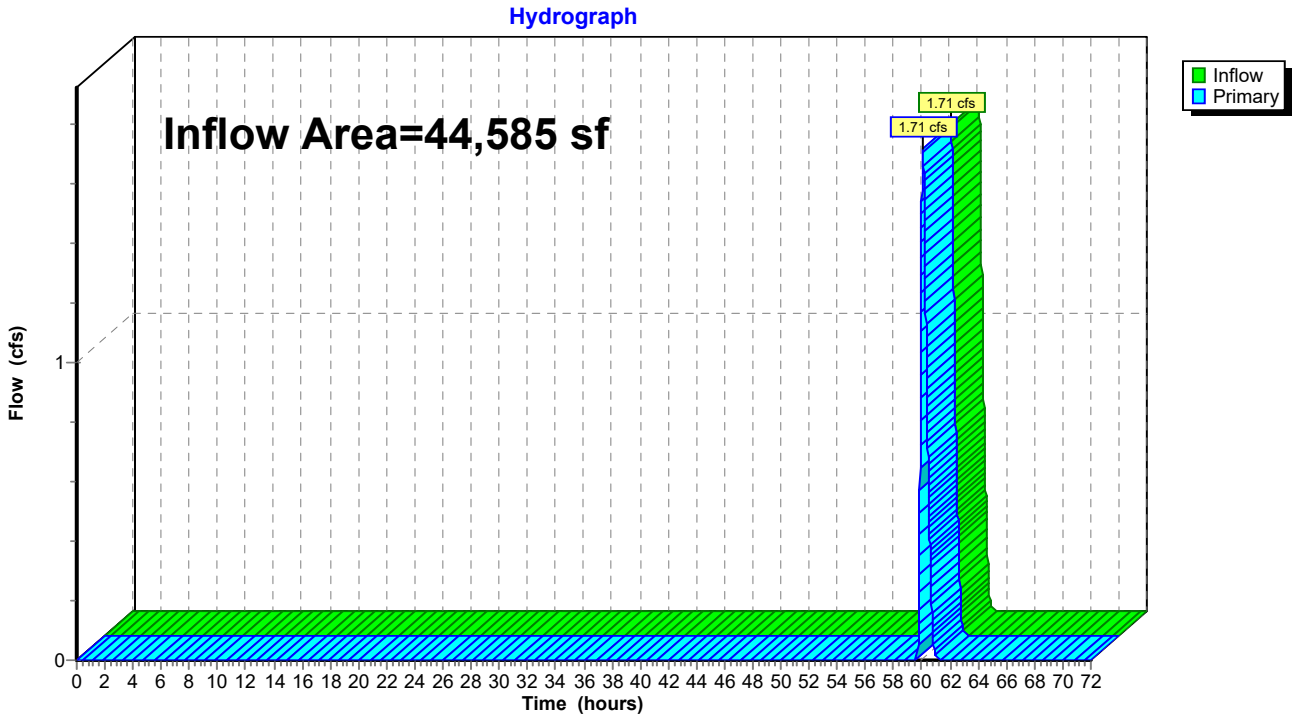


Summary for Link E-1: EXISTING RUNOFF

Inflow Area = 44,585 sf, 58.12% Impervious, Inflow Depth = 0.86" for SFWMD 25 YR 3 DAY event
Inflow = 1.71 cfs @ 60.09 hrs, Volume= 3,194 cf
Primary = 1.71 cfs @ 60.09 hrs, Volume= 3,194 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-72.00 hrs, dt= 0.01 hrs

Link E-1: EXISTING RUNOFF

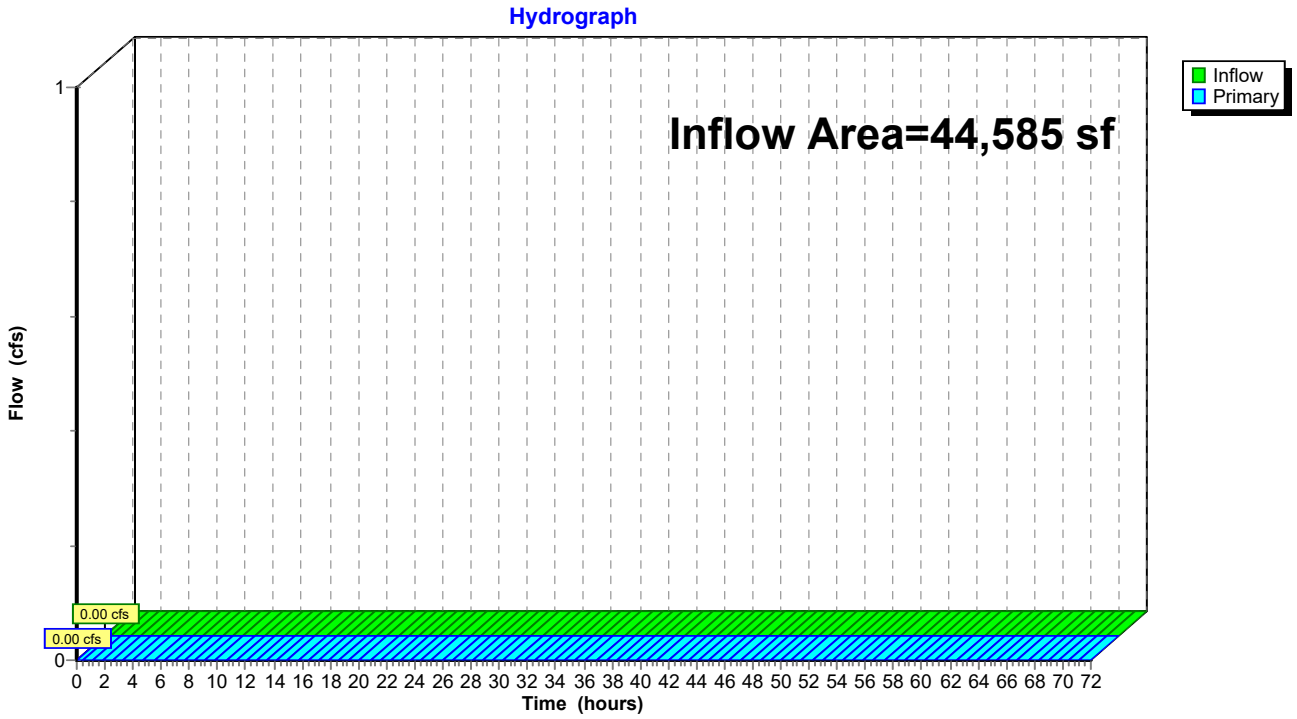


Summary for Link P-1: PROPOSED RUNOFF

Inflow Area = 44,585 sf, 55.80% Impervious, Inflow Depth = 0.00" for SFWMD 25 YR 3 DAY event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-72.00 hrs, dt= 0.01 hrs

Link P-1: PROPOSED RUNOFF



APPENDIX D-3
SFWMD TREATMENT CALCULATIONS

STONEFIELD
engineering & design

SFWMD Water Treatment Calculations
Proposed Car Wash
Unincorporated Lee County
Lee County, Florida
2701 Lee Boulevard
Date: 11/26/2025

Treatment Volume					
	Site Area (SF)	Required Treatment (FT)	Impervious Coverage (%)	Retention Multiplies	Total Volume (CF)
Required Treatment (1" Entire Site)	44,585	0.08	-	1.50	5,573
Required Treatment (2.5" Impervious Area)	44,585	0.21	0.56	1.50	7,775

PROPOSED TOTALS	
Land Cover	Total
Impervious	24,880
Pond	0
Grass - B	19,705
TOTAL	44,585

Stage-Area-Storage for Pond B-1: PROPOSED DRY INFILTRATION BASIN

Elevation (feet)	Wetted (sq-ft)	Storage (cubic-feet)
20.00	3,398	0
20.01	3,407	14
20.02	3,416	27
20.03	3,424	41
20.04	3,433	54
20.05	3,442	68
20.06	3,451	82
20.07	3,459	95
20.08	3,468	109
20.09	3,477	122
20.10	3,486	136
20.11	3,495	150
20.12	3,503	163
20.13	3,512	177
20.14	3,521	190
20.15	3,530	204
20.16	3,539	217
20.17	3,547	231
20.18	3,556	245
20.19	3,565	258
20.20	3,574	272
20.21	3,582	285
20.22	3,591	299
20.23	3,600	313
20.24	3,609	326
20.25	3,618	340
20.26	3,626	353
20.27	3,635	367
20.28	3,644	381
20.29	3,653	394
20.30	3,661	408
20.31	3,670	421
20.32	3,679	435
20.33	3,688	449
20.34	3,697	462
20.35	3,705	476
20.36	3,714	489
20.37	3,723	503
20.38	3,732	516
20.39	3,741	530
20.40	3,749	544
20.41	3,758	557
20.42	3,767	571
20.43	3,776	584
20.44	3,784	598
20.45	3,793	612
20.46	3,802	625
20.47	3,811	639
20.48	3,820	652
20.49	3,828	666
20.50	3,837	680
20.51	3,846	693
20.52	3,855	707
20.53	3,863	720
20.54	3,872	734
20.55	3,881	748
20.56	3,890	761
20.57	3,899	775
20.58	3,907	788
20.59	3,916	802
20.60	3,925	816
20.61	3,934	829
20.62	3,943	843
20.63	3,951	856
20.64	3,960	870
20.65	3,969	883
20.66	3,978	897
20.67	3,986	911
20.68	3,995	924
20.69	4,004	938
20.70	4,013	951
20.71	4,022	965
20.72	4,030	979
20.73	4,039	992
20.74	4,048	1,006
20.75	4,057	1,019
20.76	4,066	1,033
20.77	4,074	1,047
20.78	4,083	1,060
20.79	4,092	1,074
20.80	4,101	1,087
20.81	4,109	1,101
20.82	4,118	1,115
20.83	4,127	1,128
20.84	4,136	1,142
20.85	4,145	1,155
20.86	4,153	1,169
20.87	4,162	1,183
20.88	4,171	1,196
20.89	4,180	1,210
20.90	4,188	1,223
20.91	4,197	1,237
20.92	4,206	1,250
20.93	4,215	1,264
20.94	4,224	1,278
20.95	4,232	1,291
20.96	4,241	1,305
20.97	4,250	1,318
20.98	4,259	1,332
20.99	4,268	1,346
21.00	4,276	1,359
21.01	4,285	1,373
21.02	4,294	1,386
21.03	4,303	1,400

Stage-Area-Storage for Pond B-1: PROPOSED DRY INFILTRATION BASIN (continued)

Elevation (feet)	Wetted (sq-ft)	Storage (cubic-feet)
21.04	4,311	1,414
21.05	4,320	1,427
21.06	4,329	1,441
21.07	4,338	1,454
21.08	4,347	1,468
21.09	4,355	1,482
21.10	4,364	1,495
21.11	4,373	1,509
21.12	4,382	1,522
21.13	4,390	1,536
21.14	4,399	1,549
21.15	4,408	1,563
21.16	4,417	1,577
21.17	4,426	1,590
21.18	4,434	1,604
21.19	4,443	1,617
21.20	4,452	1,631
21.21	4,461	1,645
21.22	4,470	1,658
21.23	4,478	1,672
21.24	4,487	1,685
21.25	4,496	1,699
21.26	4,505	1,713
21.27	4,513	1,726
21.28	4,522	1,740
21.29	4,531	1,753
21.30	4,540	1,767
21.31	4,549	1,781
21.32	4,557	1,794
21.33	4,566	1,808
21.34	4,575	1,821
21.35	4,584	1,835
21.36	4,592	1,849
21.37	4,601	1,862
21.38	4,610	1,876
21.39	4,619	1,889
21.40	4,628	1,903
21.41	4,636	1,916
21.42	4,645	1,930
21.43	4,654	1,944
21.44	4,663	1,957
21.45	4,672	1,971
21.46	4,680	1,984
21.47	4,689	1,998
21.48	4,698	2,012
21.49	4,707	2,025
21.50	4,715	2,039
21.51	4,724	2,052
21.52	4,733	2,066
21.53	4,742	2,080
21.54	4,751	2,093
21.55	4,759	2,107
21.56	4,768	2,120
21.57	4,777	2,134
21.58	4,786	2,148
21.59	4,794	2,161
21.60	4,803	2,175
21.61	4,812	2,188
21.62	4,821	2,202
21.63	4,830	2,215
21.64	4,838	2,229
21.65	4,847	2,243
21.66	4,856	2,256
21.67	4,865	2,270
21.68	4,874	2,283
21.69	4,882	2,297
21.70	4,891	2,311
21.71	4,900	2,324
21.72	4,909	2,338
21.73	4,917	2,351
21.74	4,926	2,365
21.75	4,935	2,379
21.76	4,944	2,392
21.77	4,953	2,406
21.78	4,961	2,419
21.79	4,970	2,433
21.80	4,979	2,447
21.81	4,988	2,460
21.82	4,997	2,474
21.83	8,403	2,487
21.84	8,412	2,487
21.85	8,421	2,487
21.86	8,430	2,487
21.87	8,438	2,487
21.88	8,447	2,487
21.89	8,456	2,487
21.90	8,465	2,487
21.91	8,474	2,487
21.92	8,482	2,487
21.93	8,491	2,487
21.94	8,500	2,487
21.95	8,509	2,487
21.96	8,517	2,487
21.97	8,526	2,487
21.98	8,535	2,487
21.99	8,544	2,487
22.00	8,553	2,487
22.01	8,561	2,487
22.02	8,570	2,487
22.03	8,579	2,487
22.04	8,588	2,487
22.05	8,597	2,487
22.06	8,605	2,487
22.07	8,614	2,487

Stage-Area-Storage for Pond B-1: PROPOSED DRY INFILTRATION BASIN (continued)

Elevation (feet)	Wetted (sq-ft)	Storage (cubic-feet)
22.08	8,623	2,487
22.09	8,632	2,487
22.10	8,640	2,487
22.11	8,649	2,487
22.12	8,658	2,487
22.13	8,667	2,487
22.14	8,676	2,487
22.15	8,684	2,487
22.16	8,693	2,487
22.17	8,702	2,487
22.18	8,711	2,487
22.19	8,719	2,487
22.20	8,728	2,487
22.21	8,737	2,487
22.22	8,746	2,487
22.23	8,755	2,487
22.24	8,763	2,487
22.25	8,772	2,487
22.26	8,781	2,487
22.27	8,790	2,487
22.28	8,799	2,487
22.29	8,807	2,487
22.30	8,816	2,487
22.31	8,825	2,487
22.32	8,834	2,487
22.33	8,842	2,487
22.34	8,851	2,487
22.35	8,860	2,487
22.36	8,869	2,487
22.37	8,878	2,487
22.38	8,886	2,487
22.39	8,895	2,487
22.40	8,904	2,487
22.41	8,913	2,487
22.42	8,921	2,487
22.43	8,930	2,487
22.44	8,939	2,487
22.45	8,948	2,487
22.46	8,957	2,487
22.47	8,965	2,487
22.48	8,974	2,487
22.49	8,983	2,487
22.50	9,621	2,487
22.51	9,690	2,494
22.52	9,764	2,500
22.53	9,842	2,507
22.54	9,926	2,513
22.55	10,014	2,520
22.56	10,107	2,527
22.57	10,205	2,534
22.58	10,308	2,541
22.59	10,416	2,548
22.60	10,528	2,555
22.61	10,645	2,563
22.62	10,767	2,570
22.63	10,894	2,578
22.64	11,026	2,585
22.65	11,163	2,593
22.66	11,304	2,601
22.67	11,450	2,609
22.68	11,601	2,617
22.69	11,757	2,625
22.70	11,918	2,634
22.71	12,083	2,642
22.72	12,253	2,651
22.73	12,429	2,660
22.74	12,609	2,668
22.75	12,793	2,677
22.76	12,983	2,686
22.77	13,177	2,696
22.78	13,377	2,705
22.79	13,581	2,714
22.80	13,790	2,724
22.81	14,004	2,734
22.82	14,222	2,743
22.83	14,445	2,753
22.84	14,674	2,763
22.85	14,907	2,774
22.86	15,145	2,784
22.87	15,387	2,794
22.88	15,635	2,805
22.89	15,887	2,816
22.90	16,144	2,826
22.91	16,406	2,837
22.92	16,673	2,849
22.93	16,945	2,860
22.94	17,221	2,871
22.95	17,503	2,883
22.96	17,789	2,894
22.97	18,080	2,906
22.98	18,375	2,918
22.99	18,676	2,930
23.00	18,981	2,943
23.01	19,325	2,955
23.02	19,674	2,968
23.03	20,029	2,980
23.04	20,391	2,993
23.05	20,758	3,007
23.06	21,131	3,020
23.07	21,510	3,034
23.08	21,895	3,047
23.09	22,286	3,062
23.10	22,682	3,076
23.11	23,085	3,090

Stage-Area-Storage for Pond B-1: PROPOSED DRY INFILTRATION BASIN (continued)

Elevation (feet)	Wetted (sq-ft)	Storage (cubic-feet)
23.12	23,494	3,105
23.13	23,908	3,120
23.14	24,329	3,135
23.15	24,755	3,150
23.16	25,227	3,166
23.17	25,682	3,183
23.18	26,139	3,199
23.19	26,600	3,216
23.20	27,066	3,234
23.21	27,536	3,251
23.22	28,012	3,269
23.23	28,494	3,288
23.24	28,981	3,306
23.25	29,473	3,325
23.26	29,971	3,344
23.27	30,475	3,364
23.28	30,984	3,384
23.29	31,500	3,404
23.30	32,021	3,424
23.31	32,547	3,445
23.32	33,080	3,466
23.33	33,618	3,487
23.34	34,162	3,509
23.35	34,712	3,530
23.36	35,268	3,553
23.37	35,830	3,575
23.38	36,397	3,598
23.39	36,971	3,621
23.40	37,550	3,644
23.41	38,135	3,668
23.42	38,726	3,692
23.43	39,323	3,716
23.44	39,925	3,741
23.45	40,534	3,766
23.46	41,148	3,791
23.47	41,769	3,816
23.48	42,395	3,842
23.49	43,027	3,868
23.50	43,665	3,894
23.51	43,697	3,921
23.52	43,729	3,948
23.53	43,761	3,975
23.54	43,792	4,003
23.55	43,824	4,030
23.56	43,856	4,058
23.57	43,888	4,086
23.58	43,920	4,115
23.59	43,952	4,143
23.60	43,983	4,172
23.61	44,015	4,202
23.62	44,047	4,231
23.63	44,079	4,261
23.64	44,111	4,291
23.65	44,143	4,321
23.66	44,175	4,351
23.67	44,207	4,382
23.68	44,239	4,413
23.69	44,271	4,444
23.70	44,303	4,475
23.71	44,336	4,507
23.72	44,368	4,539
23.73	44,400	4,571
23.74	44,432	4,604
23.75	44,465	4,636
23.76	44,497	4,669
23.77	44,529	4,703
23.78	44,562	4,736
23.79	44,594	4,770
23.80	44,627	4,804
23.81	44,664	4,838
23.82	44,699	4,873
23.83	44,733	4,908
23.84	44,767	4,943
23.85	44,802	4,978
23.86	44,835	5,014
23.87	44,869	5,050
23.88	44,903	5,086
23.89	44,937	5,122
23.90	44,971	5,159
23.91	45,006	5,196
23.92	45,040	5,233
23.93	45,074	5,271
23.94	45,108	5,309
23.95	45,143	5,347
23.96	45,177	5,385
23.97	45,212	5,424
23.98	45,246	5,463
23.99	45,281	5,502
24.00	45,316	5,541
24.01	45,352	5,581
24.02	45,389	5,621
24.03	45,425	5,661
24.04	45,462	5,701
24.05	45,499	5,741
24.06	45,536	5,782
24.07	45,574	5,823
24.08	45,612	5,864
24.09	45,651	5,905
24.10	45,690	5,946
24.11	45,731	5,988
24.12	45,772	6,029
24.13	45,816	6,071
24.14	45,863	6,113
24.15	45,934	6,155

Stage-Area-Storage for Pond B-1: PROPOSED DRY INFILTRATION BASIN (continued)

Elevation (feet)	Wetted (sq-ft)	Storage (cubic-feet)
24.16	45,965	6,197
24.17	45,995	6,239
24.18	46,026	6,282
24.19	46,057	6,324
24.20	46,088	6,367
24.21	46,119	6,411
24.22	46,150	6,454
24.23	46,181	6,498
24.24	46,212	6,542
24.25	46,243	6,586
24.26	46,274	6,631
24.27	46,305	6,675
24.28	46,336	6,720
24.29	46,367	6,766
24.30	46,398	6,811
24.31	46,429	6,857
24.32	46,460	6,903
24.33	46,492	6,950
24.34	46,523	6,996
24.35	46,554	7,043
24.36	46,585	7,090
24.37	46,617	7,138
24.38	46,648	7,185
24.39	46,679	7,233
24.40	46,711	7,281
24.41	46,742	7,330
24.42	46,773	7,379
24.43	46,805	7,428
24.44	46,836	7,477
24.45	46,868	7,527
24.46	46,900	7,576
24.47	46,931	7,627
24.48	46,963	7,677
24.49	46,994	7,728
24.50	47,026	7,779
24.51	47,027	7,779
24.52	47,027	7,779
24.53	47,028	7,779
24.54	47,028	7,780
24.55	47,029	7,780
24.56	47,029	7,780
24.57	47,030	7,780
24.58	47,031	7,780
24.59	47,031	7,781
24.60	47,032	7,781
24.61	47,032	7,781
24.62	47,033	7,781
24.63	47,034	7,781
24.64	47,034	7,782
24.65	47,035	7,782
24.66	47,036	7,782
24.67	47,037	7,782
24.68	47,037	7,782
24.69	47,038	7,782
24.70	47,039	7,783
24.71	47,040	7,783
24.72	47,041	7,783
24.73	47,042	7,783
24.74	47,043	7,783
24.75	47,044	7,783
24.76	47,045	7,783
24.77	47,046	7,783
24.78	47,048	7,783
24.79	47,050	7,784
24.80	**47,055**	**7,784**

WATER QUALITY VOLUME

Hydrograph for Pond B-1: PROPOSED DRY INFILTRATION BASIN

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Discarded (cfs)
0.00	**0.00**	**7,779**	**24.50**	**23.88**
0.20	0.00	1,443	21.06	2.20
0.40	0.00	209	20.15	1.32
0.60	0.00	0	20.00	0.00
0.80	0.00	0	20.00	0.00
1.00	0.00	0	20.00	0.00
1.20	0.00	0	20.00	0.00
1.40	0.00	0	20.00	0.00
1.60	0.00	0	20.00	0.00
1.80	0.00	0	20.00	0.00
2.00	0.00	0	20.00	0.00
2.20	0.00	0	20.00	0.00
2.40	0.00	0	20.00	0.00
2.60	0.00	0	20.00	0.00
2.80	0.00	0	20.00	0.00
3.00	0.00	0	20.00	0.00
3.20	0.00	0	20.00	0.00
3.40	0.00	0	20.00	0.00
3.60	0.00	0	20.00	0.00
3.80	0.00	0	20.00	0.00
4.00	0.00	0	20.00	0.00
4.20	0.00	0	20.00	0.00
4.40	0.00	0	20.00	0.00
4.60	0.00	0	20.00	0.00
4.80	0.00	0	20.00	0.00
5.00	0.00	0	20.00	0.00
5.20	0.00	0	20.00	0.00
5.40	0.00	0	20.00	0.00
5.60	0.00	0	20.00	0.00
5.80	0.00	0	20.00	0.00
6.00	0.00	0	20.00	0.00
6.20	0.00	0	20.00	0.00
6.40	0.00	0	20.00	0.00
6.60	0.00	0	20.00	0.00
6.80	0.00	0	20.00	0.00
7.00	0.00	0	20.00	0.00
7.20	0.00	0	20.00	0.00
7.40	0.00	0	20.00	0.00
7.60	0.00	0	20.00	0.00
7.80	0.00	0	20.00	0.00
8.00	0.00	0	20.00	0.00
8.20	0.00	0	20.00	0.00
8.40	0.00	0	20.00	0.00
8.60	0.00	0	20.00	0.00
8.80	0.00	0	20.00	0.00
9.00	0.00	0	20.00	0.00
9.20	0.00	0	20.00	0.00
9.40	0.00	0	20.00	0.00
9.60	0.00	0	20.00	0.00
9.80	0.00	0	20.00	0.00
10.00	0.00	0	20.00	0.00
10.20	0.00	0	20.00	0.00

BASIN RECOVERY @ 0.45 HOURS

Hydrograph for Pond B-1: PROPOSED DRY INFILTRATION BASIN (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Discarded (cfs)
10.40	0.00	0	20.00	0.00
10.60	0.00	0	20.00	0.00
10.80	0.00	0	20.00	0.00
11.00	0.00	0	20.00	0.00
11.20	0.00	0	20.00	0.00
11.40	0.00	0	20.00	0.00
11.60	0.00	0	20.00	0.00
11.80	0.00	0	20.00	0.00
12.00	0.00	0	20.00	0.00
12.20	0.00	0	20.00	0.00
12.40	0.00	0	20.00	0.00
12.60	0.00	0	20.00	0.00
12.80	0.00	0	20.00	0.00
13.00	0.00	0	20.00	0.00
13.20	0.00	0	20.00	0.00
13.40	0.00	0	20.00	0.00
13.60	0.00	0	20.00	0.00
13.80	0.00	0	20.00	0.00
14.00	0.00	0	20.00	0.00
14.20	0.00	0	20.00	0.00
14.40	0.00	0	20.00	0.00
14.60	0.00	0	20.00	0.00
14.80	0.00	0	20.00	0.00
15.00	0.00	0	20.00	0.00
15.20	0.00	0	20.00	0.00
15.40	0.00	0	20.00	0.00
15.60	0.00	0	20.00	0.00
15.80	0.00	0	20.00	0.00
16.00	0.00	0	20.00	0.00
16.20	0.00	0	20.00	0.00
16.40	0.00	0	20.00	0.00
16.60	0.00	0	20.00	0.00
16.80	0.00	0	20.00	0.00
17.00	0.00	0	20.00	0.00
17.20	0.00	0	20.00	0.00
17.40	0.00	0	20.00	0.00
17.60	0.00	0	20.00	0.00
17.80	0.00	0	20.00	0.00
18.00	0.00	0	20.00	0.00
18.20	0.00	0	20.00	0.00
18.40	0.00	0	20.00	0.00
18.60	0.00	0	20.00	0.00
18.80	0.00	0	20.00	0.00
19.00	0.00	0	20.00	0.00
19.20	0.00	0	20.00	0.00
19.40	0.00	0	20.00	0.00
19.60	0.00	0	20.00	0.00
19.80	0.00	0	20.00	0.00
20.00	0.00	0	20.00	0.00
20.20	0.00	0	20.00	0.00
20.40	0.00	0	20.00	0.00
20.60	0.00	0	20.00	0.00

Hydrograph for Pond B-1: PROPOSED DRY INFILTRATION BASIN (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Discarded (cfs)
20.80	0.00	0	20.00	0.00
21.00	0.00	0	20.00	0.00
21.20	0.00	0	20.00	0.00
21.40	0.00	0	20.00	0.00
21.60	0.00	0	20.00	0.00
21.80	0.00	0	20.00	0.00
22.00	0.00	0	20.00	0.00
22.20	0.00	0	20.00	0.00
22.40	0.00	0	20.00	0.00
22.60	0.00	0	20.00	0.00
22.80	0.00	0	20.00	0.00
23.00	0.00	0	20.00	0.00
23.20	0.00	0	20.00	0.00
23.40	0.00	0	20.00	0.00
23.60	0.00	0	20.00	0.00
23.80	0.00	0	20.00	0.00
24.00	0.00	0	20.00	0.00
24.20	0.00	0	20.00	0.00
24.40	0.00	0	20.00	0.00
24.60	0.00	0	20.00	0.00
24.80	0.00	0	20.00	0.00
25.00	0.00	0	20.00	0.00
25.20	0.00	0	20.00	0.00
25.40	0.00	0	20.00	0.00
25.60	0.00	0	20.00	0.00
25.80	0.00	0	20.00	0.00
26.00	0.00	0	20.00	0.00
26.20	0.00	0	20.00	0.00
26.40	0.00	0	20.00	0.00
26.60	0.00	0	20.00	0.00
26.80	0.00	0	20.00	0.00
27.00	0.00	0	20.00	0.00
27.20	0.00	0	20.00	0.00
27.40	0.00	0	20.00	0.00
27.60	0.00	0	20.00	0.00
27.80	0.00	0	20.00	0.00
28.00	0.00	0	20.00	0.00
28.20	0.00	0	20.00	0.00
28.40	0.00	0	20.00	0.00
28.60	0.00	0	20.00	0.00
28.80	0.00	0	20.00	0.00
29.00	0.00	0	20.00	0.00
29.20	0.00	0	20.00	0.00
29.40	0.00	0	20.00	0.00
29.60	0.00	0	20.00	0.00
29.80	0.00	0	20.00	0.00
30.00	0.00	0	20.00	0.00
30.20	0.00	0	20.00	0.00
30.40	0.00	0	20.00	0.00
30.60	0.00	0	20.00	0.00
30.80	0.00	0	20.00	0.00
31.00	0.00	0	20.00	0.00

Hydrograph for Pond B-1: PROPOSED DRY INFILTRATION BASIN (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Discarded (cfs)
31.20	0.00	0	20.00	0.00
31.40	0.00	0	20.00	0.00
31.60	0.00	0	20.00	0.00
31.80	0.00	0	20.00	0.00
32.00	0.00	0	20.00	0.00
32.20	0.00	0	20.00	0.00
32.40	0.00	0	20.00	0.00
32.60	0.00	0	20.00	0.00
32.80	0.00	0	20.00	0.00
33.00	0.00	0	20.00	0.00
33.20	0.00	0	20.00	0.00
33.40	0.00	0	20.00	0.00
33.60	0.00	0	20.00	0.00
33.80	0.00	0	20.00	0.00
34.00	0.00	0	20.00	0.00
34.20	0.00	0	20.00	0.00
34.40	0.00	0	20.00	0.00
34.60	0.00	0	20.00	0.00
34.80	0.00	0	20.00	0.00
35.00	0.00	0	20.00	0.00
35.20	0.00	0	20.00	0.00
35.40	0.00	0	20.00	0.00
35.60	0.00	0	20.00	0.00
35.80	0.00	0	20.00	0.00
36.00	0.00	0	20.00	0.00
36.20	0.00	0	20.00	0.00
36.40	0.00	0	20.00	0.00
36.60	0.00	0	20.00	0.00
36.80	0.00	0	20.00	0.00
37.00	0.00	0	20.00	0.00
37.20	0.00	0	20.00	0.00
37.40	0.00	0	20.00	0.00
37.60	0.00	0	20.00	0.00
37.80	0.00	0	20.00	0.00
38.00	0.00	0	20.00	0.00
38.20	0.00	0	20.00	0.00
38.40	0.00	0	20.00	0.00
38.60	0.00	0	20.00	0.00
38.80	0.00	0	20.00	0.00
39.00	0.00	0	20.00	0.00
39.20	0.00	0	20.00	0.00
39.40	0.00	0	20.00	0.00
39.60	0.00	0	20.00	0.00
39.80	0.00	0	20.00	0.00
40.00	0.00	0	20.00	0.00
40.20	0.00	0	20.00	0.00
40.40	0.00	0	20.00	0.00
40.60	0.00	0	20.00	0.00
40.80	0.00	0	20.00	0.00
41.00	0.00	0	20.00	0.00
41.20	0.00	0	20.00	0.00
41.40	0.00	0	20.00	0.00

Hydrograph for Pond B-1: PROPOSED DRY INFILTRATION BASIN (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Discarded (cfs)
41.60	0.00	0	20.00	0.00
41.80	0.00	0	20.00	0.00
42.00	0.00	0	20.00	0.00
42.20	0.00	0	20.00	0.00
42.40	0.00	0	20.00	0.00
42.60	0.00	0	20.00	0.00
42.80	0.00	0	20.00	0.00
43.00	0.00	0	20.00	0.00
43.20	0.00	0	20.00	0.00
43.40	0.00	0	20.00	0.00
43.60	0.00	0	20.00	0.00
43.80	0.00	0	20.00	0.00
44.00	0.00	0	20.00	0.00
44.20	0.00	0	20.00	0.00
44.40	0.00	0	20.00	0.00
44.60	0.00	0	20.00	0.00
44.80	0.00	0	20.00	0.00
45.00	0.00	0	20.00	0.00
45.20	0.00	0	20.00	0.00
45.40	0.00	0	20.00	0.00
45.60	0.00	0	20.00	0.00
45.80	0.00	0	20.00	0.00
46.00	0.00	0	20.00	0.00
46.20	0.00	0	20.00	0.00
46.40	0.00	0	20.00	0.00
46.60	0.00	0	20.00	0.00
46.80	0.00	0	20.00	0.00
47.00	0.00	0	20.00	0.00
47.20	0.00	0	20.00	0.00
47.40	0.00	0	20.00	0.00
47.60	0.00	0	20.00	0.00
47.80	0.00	0	20.00	0.00
48.00	0.00	0	20.00	0.00
48.20	0.00	0	20.00	0.00
48.40	0.00	0	20.00	0.00
48.60	0.00	0	20.00	0.00
48.80	0.00	0	20.00	0.00
49.00	0.00	0	20.00	0.00
49.20	0.00	0	20.00	0.00
49.40	0.00	0	20.00	0.00
49.60	0.00	0	20.00	0.00
49.80	0.00	0	20.00	0.00
50.00	0.00	0	20.00	0.00
50.20	0.00	0	20.00	0.00
50.40	0.00	0	20.00	0.00
50.60	0.00	0	20.00	0.00
50.80	0.00	0	20.00	0.00
51.00	0.00	0	20.00	0.00
51.20	0.00	0	20.00	0.00
51.40	0.00	0	20.00	0.00
51.60	0.00	0	20.00	0.00
51.80	0.00	0	20.00	0.00

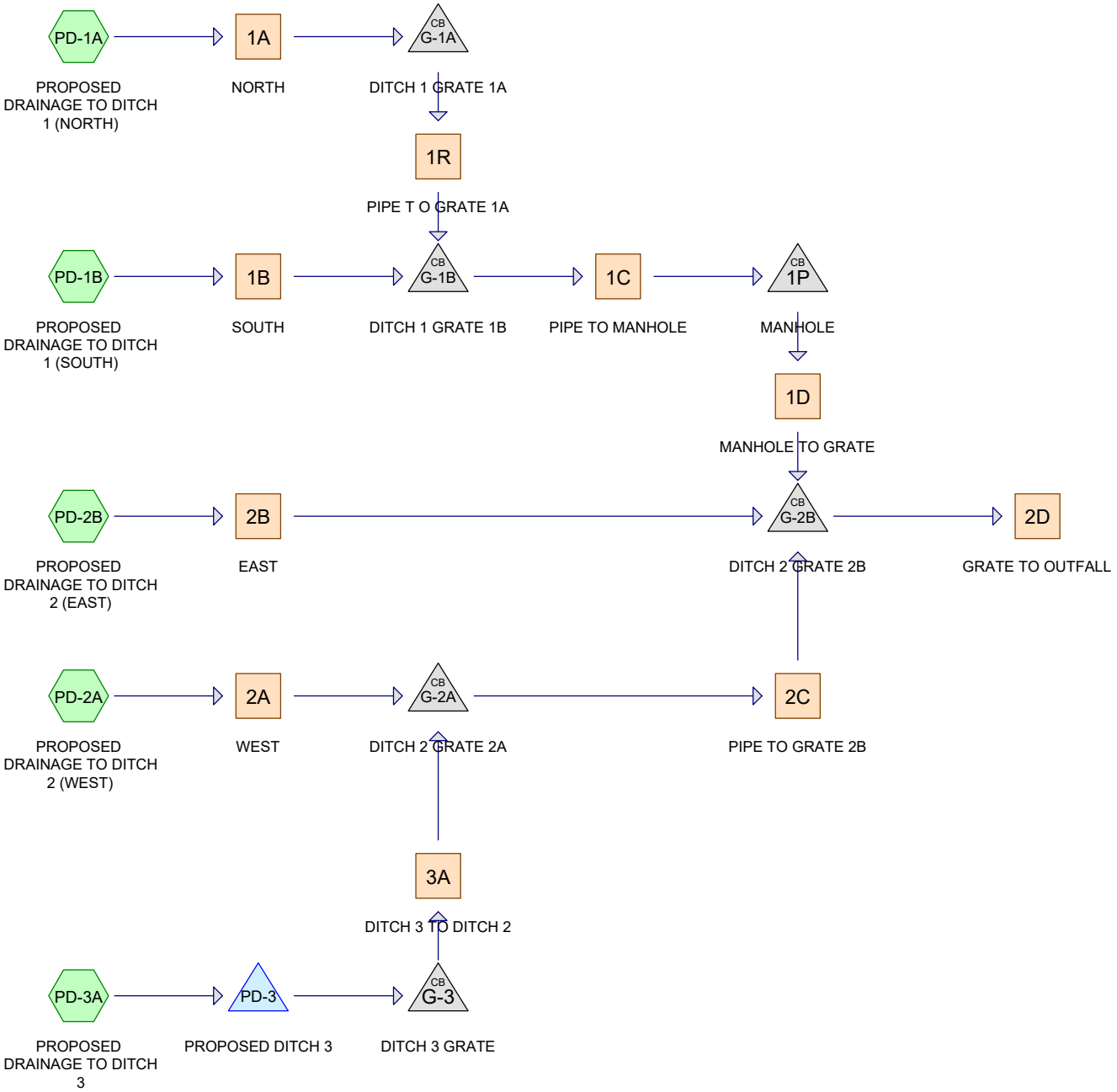
Hydrograph for Pond B-1: PROPOSED DRY INFILTRATION BASIN (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Discarded (cfs)
52.00	0.00	0	20.00	0.00
52.20	0.00	0	20.00	0.00
52.40	0.00	0	20.00	0.00
52.60	0.00	0	20.00	0.00
52.80	0.00	0	20.00	0.00
53.00	0.00	0	20.00	0.00
53.20	0.00	0	20.00	0.00
53.40	0.00	0	20.00	0.00
53.60	0.00	0	20.00	0.00
53.80	0.00	0	20.00	0.00
54.00	0.00	0	20.00	0.00
54.20	0.00	0	20.00	0.00
54.40	0.00	0	20.00	0.00
54.60	0.00	0	20.00	0.00
54.80	0.00	0	20.00	0.00
55.00	0.00	0	20.00	0.00
55.20	0.00	0	20.00	0.00
55.40	0.00	0	20.00	0.00
55.60	0.00	0	20.00	0.00
55.80	0.00	0	20.00	0.00
56.00	0.00	0	20.00	0.00
56.20	0.00	0	20.00	0.00
56.40	0.00	0	20.00	0.00
56.60	0.00	0	20.00	0.00
56.80	0.00	0	20.00	0.00
57.00	0.00	0	20.00	0.00
57.20	0.00	0	20.00	0.00
57.40	0.00	0	20.00	0.00
57.60	0.00	0	20.00	0.00
57.80	0.00	0	20.00	0.00
58.00	0.00	0	20.00	0.00
58.20	0.00	0	20.00	0.00
58.40	0.00	0	20.00	0.00
58.60	0.00	0	20.00	0.00
58.80	0.00	0	20.00	0.00
59.00	0.00	0	20.00	0.00
59.20	0.00	0	20.00	0.00
59.40	0.00	0	20.00	0.00
59.60	0.00	0	20.00	0.00
59.80	0.00	0	20.00	0.00
60.00	0.00	0	20.00	0.00
60.20	0.00	0	20.00	0.00
60.40	0.00	0	20.00	0.00
60.60	0.00	0	20.00	0.00
60.80	0.00	0	20.00	0.00
61.00	0.00	0	20.00	0.00
61.20	0.00	0	20.00	0.00
61.40	0.00	0	20.00	0.00
61.60	0.00	0	20.00	0.00
61.80	0.00	0	20.00	0.00
62.00	0.00	0	20.00	0.00
62.20	0.00	0	20.00	0.00

Hydrograph for Pond B-1: PROPOSED DRY INFILTRATION BASIN (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Discarded (cfs)
62.40	0.00	0	20.00	0.00
62.60	0.00	0	20.00	0.00
62.80	0.00	0	20.00	0.00
63.00	0.00	0	20.00	0.00
63.20	0.00	0	20.00	0.00
63.40	0.00	0	20.00	0.00
63.60	0.00	0	20.00	0.00
63.80	0.00	0	20.00	0.00
64.00	0.00	0	20.00	0.00
64.20	0.00	0	20.00	0.00
64.40	0.00	0	20.00	0.00
64.60	0.00	0	20.00	0.00
64.80	0.00	0	20.00	0.00
65.00	0.00	0	20.00	0.00
65.20	0.00	0	20.00	0.00
65.40	0.00	0	20.00	0.00
65.60	0.00	0	20.00	0.00
65.80	0.00	0	20.00	0.00
66.00	0.00	0	20.00	0.00
66.20	0.00	0	20.00	0.00
66.40	0.00	0	20.00	0.00
66.60	0.00	0	20.00	0.00
66.80	0.00	0	20.00	0.00
67.00	0.00	0	20.00	0.00
67.20	0.00	0	20.00	0.00
67.40	0.00	0	20.00	0.00
67.60	0.00	0	20.00	0.00
67.80	0.00	0	20.00	0.00
68.00	0.00	0	20.00	0.00
68.20	0.00	0	20.00	0.00
68.40	0.00	0	20.00	0.00
68.60	0.00	0	20.00	0.00
68.80	0.00	0	20.00	0.00
69.00	0.00	0	20.00	0.00
69.20	0.00	0	20.00	0.00
69.40	0.00	0	20.00	0.00
69.60	0.00	0	20.00	0.00
69.80	0.00	0	20.00	0.00
70.00	0.00	0	20.00	0.00
70.20	0.00	0	20.00	0.00
70.40	0.00	0	20.00	0.00
70.60	0.00	0	20.00	0.00
70.80	0.00	0	20.00	0.00
71.00	0.00	0	20.00	0.00
71.20	0.00	0	20.00	0.00
71.40	0.00	0	20.00	0.00
71.60	0.00	0	20.00	0.00
71.80	0.00	0	20.00	0.00
72.00	0.00	0	20.00	0.00

APPENDIX D-4
ROADSIDE DRAINAGE DITCH DESIGN CALCULATIONS



Routing Diagram for 2025-11-26_Revised Ditch Design
Prepared by Stonefield Engineering & Design, Printed 12/2/2025
HydroCAD® 10.20-5c s/n 06682 © 2023 HydroCAD Software Solutions LLC

Summary for Subcatchment PD-1A: PROPOSED DRAINAGE TO DITCH 1 (NORTH)

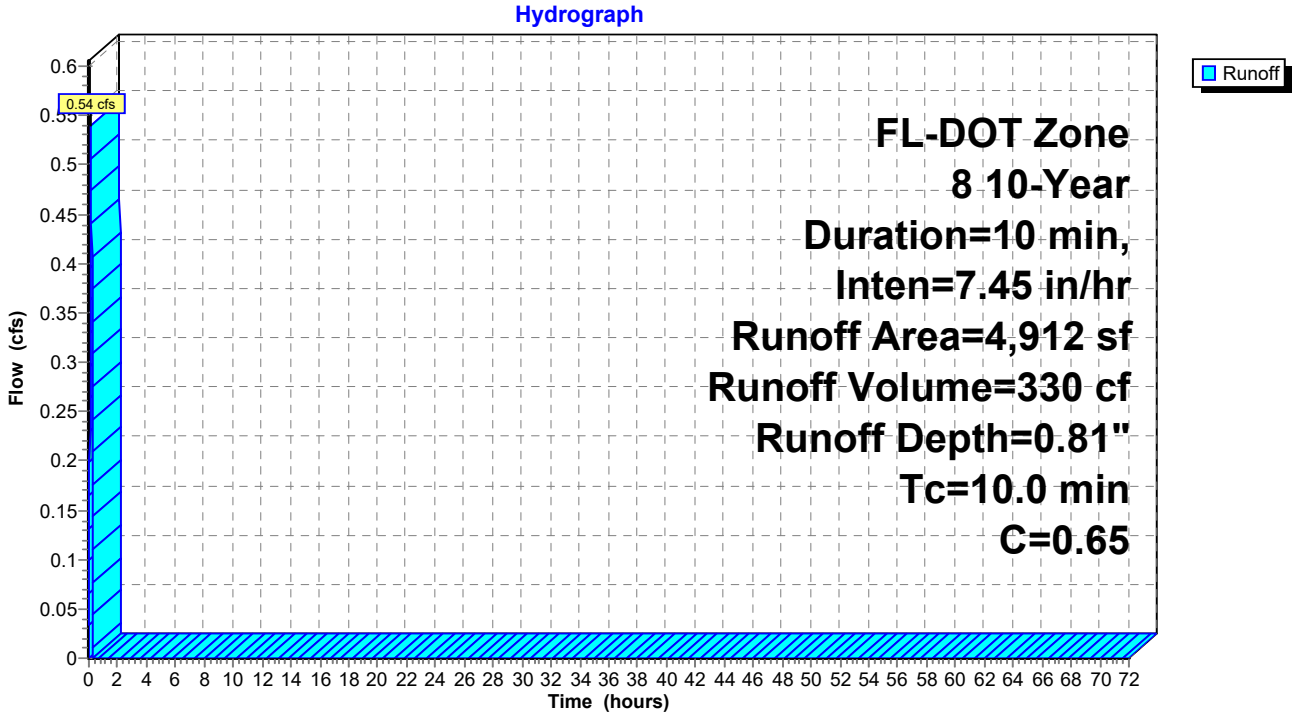
Runoff = 0.54 cfs @ 0.17 hrs, Volume= 330 cf, Depth= 0.81"
Routed to Reach 1A : NORTH

Runoff by Rational method, Rise/Fall=1.0/1.0 xTc, Time Span= 0.00-72.00 hrs, dt= 0.01 hrs
FL-DOT Zone 8 10-Year Duration=10 min, Inten=7.45 in/hr

Area (sf)	C	Description
3,005	0.95	Paved parking, HSG A
1,907	0.18	>75% Grass cover, Good, HSG B
4,912	0.65	Weighted Average
1,907	0.18	38.82% Pervious Area
3,005	0.95	61.18% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					**Direct Entry,**

Subcatchment PD-1A: PROPOSED DRAINAGE TO DITCH 1 (NORTH)



Summary for Subcatchment PD-1B: PROPOSED DRAINAGE TO DITCH 1 (SOUTH)

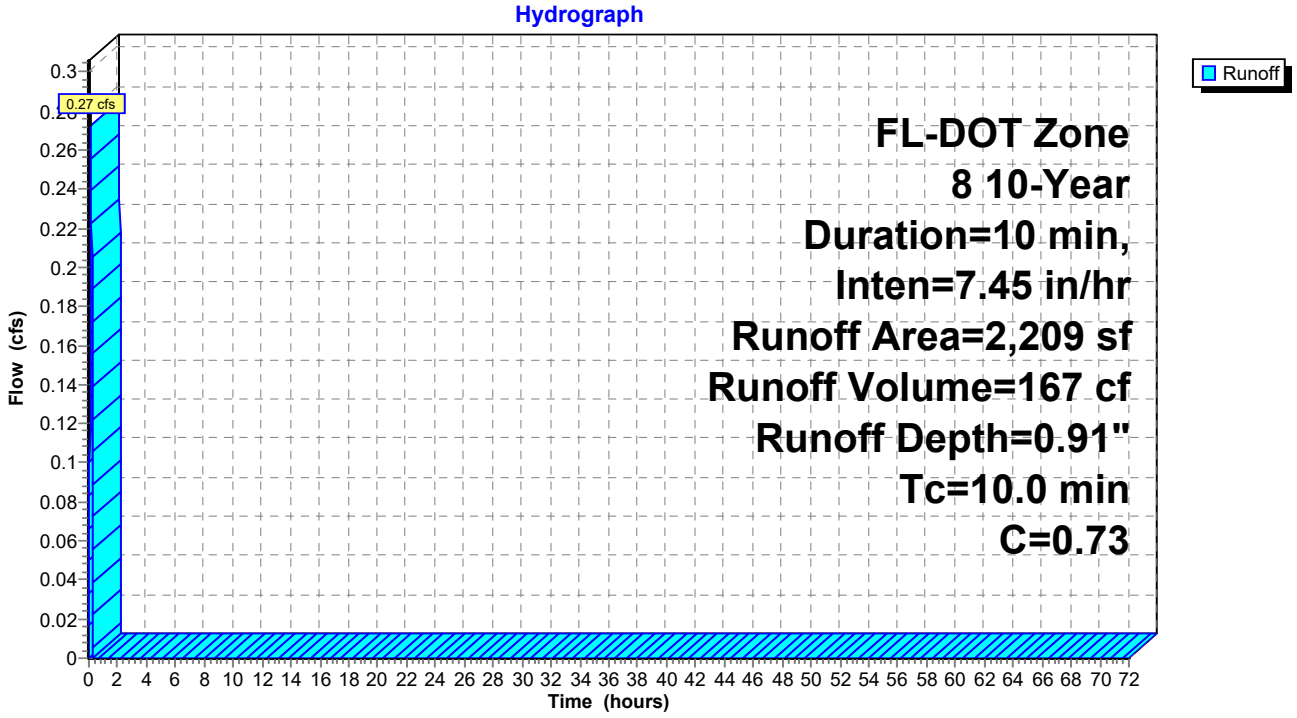
Runoff = 0.27 cfs @ 0.17 hrs, Volume= 167 cf, Depth= 0.91"
Routed to Reach 1B : SOUTH

Runoff by Rational method, Rise/Fall=1.0/1.0 xTc, Time Span= 0.00-72.00 hrs, dt= 0.01 hrs
FL-DOT Zone 8 10-Year Duration=10 min, Inten=7.45 in/hr

Area (sf)	C	Description
1,585	0.95	Paved parking, HSG A
624	0.18	> 75% Grass cover, Good, HSG B
2,209	0.73	Weighted Average
624	0.18	28.25% Pervious Area
1,585	0.95	71.75% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					**Direct Entry,**

Subcatchment PD-1B: PROPOSED DRAINAGE TO DITCH 1 (SOUTH)



Summary for Subcatchment PD-2A: PROPOSED DRAINAGE TO DITCH 2 (WEST)

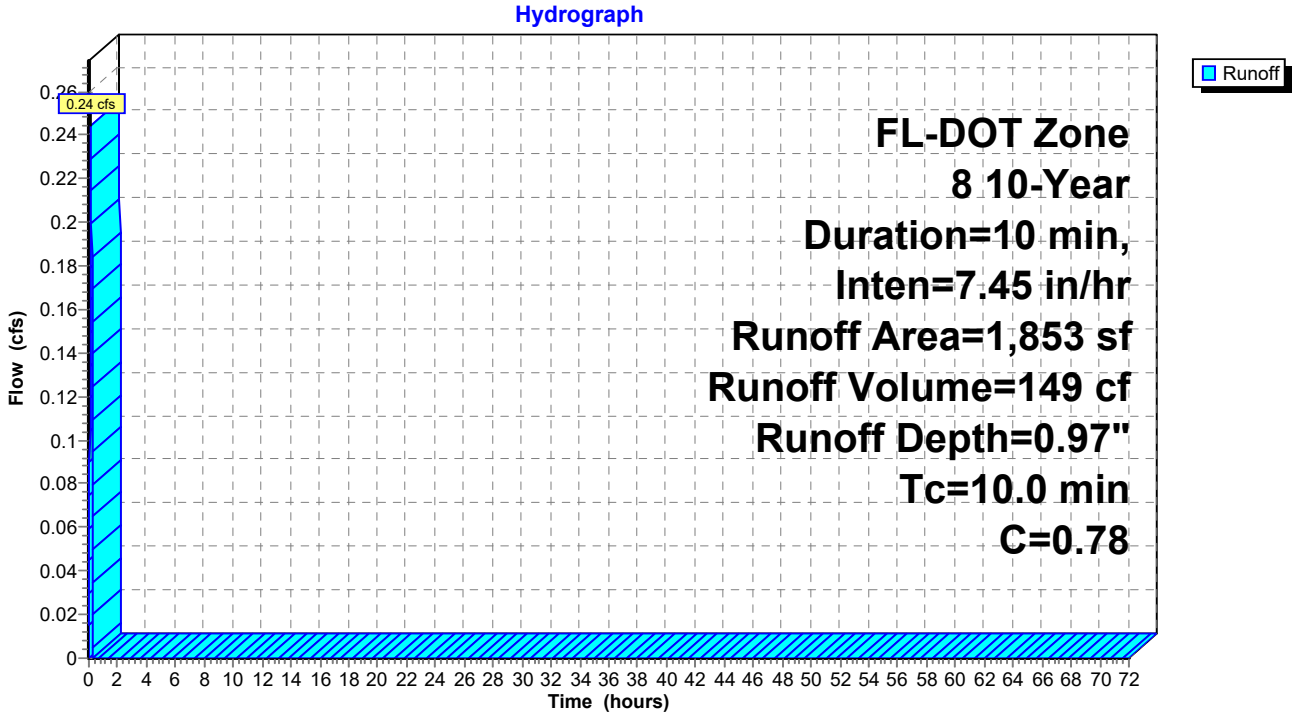
Runoff = 0.24 cfs @ 0.17 hrs, Volume= 149 cf, Depth= 0.97"
Routed to Reach 2A : WEST

Runoff by Rational method, Rise/Fall=1.0/1.0 xTc, Time Span= 0.00-72.00 hrs, dt= 0.01 hrs
FL-DOT Zone 8 10-Year Duration=10 min, Inten=7.45 in/hr

Area (sf)	C	Description
1,451	0.95	Paved parking, HSG A
402	0.18	>75% Grass cover, Good, HSG B
1,853	0.78	Weighted Average
402	0.18	21.69% Pervious Area
1,451	0.95	78.31% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					**Direct Entry,**

Subcatchment PD-2A: PROPOSED DRAINAGE TO DITCH 2 (WEST)



Summary for Subcatchment PD-2B: PROPOSED DRAINAGE TO DITCH 2 (EAST)

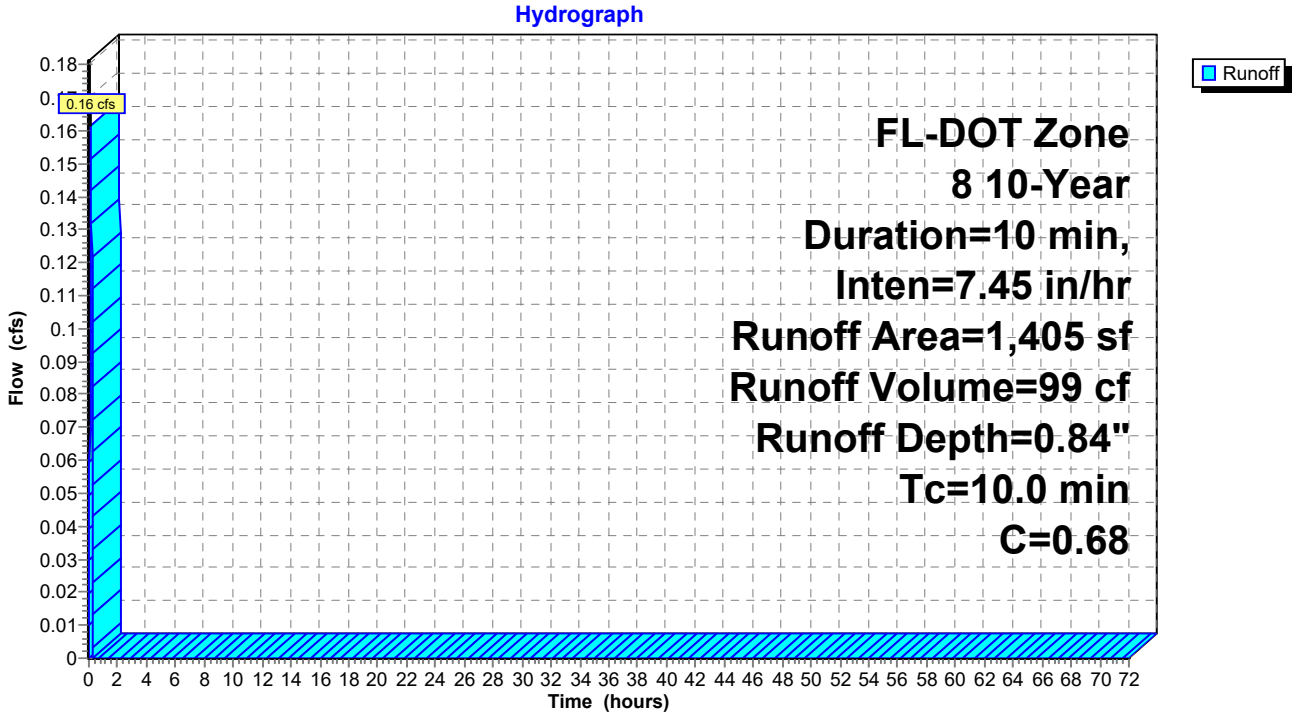
Runoff = 0.16 cfs @ 0.17 hrs, Volume= 99 cf, Depth= 0.84"
Routed to Reach 2B : EAST

Runoff by Rational method, Rise/Fall=1.0/1.0 xTc, Time Span= 0.00-72.00 hrs, dt= 0.01 hrs
FL-DOT Zone 8 10-Year Duration=10 min, Inten=7.45 in/hr

Area (sf)	C	Description
909	0.95	Paved parking, HSG
496	0.18	>75% Grass cover, Good, HSG B
1,405	0.68	Weighted Average
496	0.18	35.30% Pervious Area
909	0.95	64.70% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					**Direct Entry,**

Subcatchment PD-2B: PROPOSED DRAINAGE TO DITCH 2 (EAST)



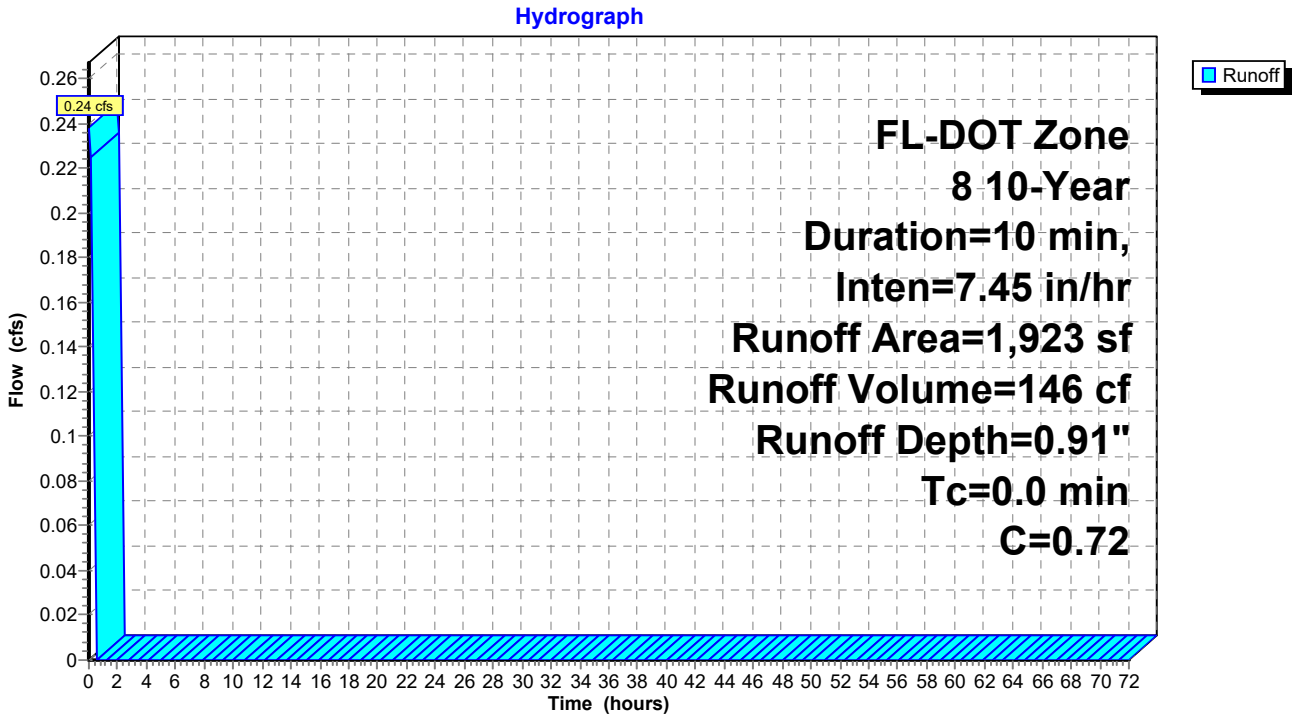
Summary for Subcatchment PD-3A: PROPOSED DRAINAGE TO DITCH 3

Runoff = 0.24 cfs @ 0.00 hrs, Volume= 146 cf, Depth= 0.91"
Routed to Pond PD-3 : PROPOSED DITCH 3

Runoff by Rational method, Rise/Fall=1.0/1.0 xTc, Time Span= 0.00-72.00 hrs, dt= 0.01 hrs
FL-DOT Zone 8 10-Year Duration=10 min, Inten=7.45 in/hr

Area (sf)	C	Description
1,354	0.95	Paved parking, HSG A
569	0.18	>75% Grass cover, Good, HSG B
1,923	0.72	Weighted Average
569	0.18	29.59% Pervious Area
1,354	0.95	70.41% Impervious Area

Subcatchment PD-3A: PROPOSED DRAINAGE TO DITCH 3



Summary for Reach 1A: NORTH

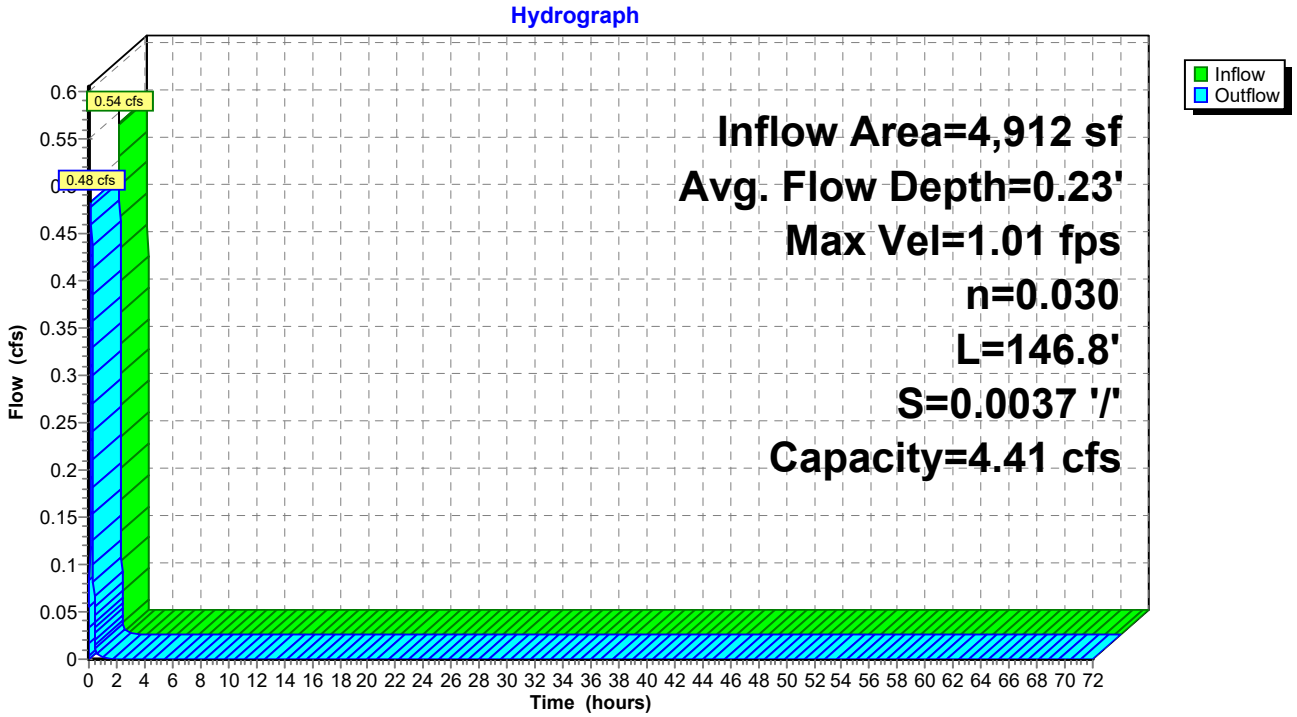
Inflow Area = 4,912 sf, 61.18% Impervious, Inflow Depth = 0.81" for 10-Year event
Inflow = 0.54 cfs @ 0.17 hrs, Volume= 330 cf
Outflow = 0.48 cfs @ 0.19 hrs, Volume= 330 cf, Atten= 11%, Lag= 1.2 min
Routed to Pond G-1A : DITCH 1 GRATE 1A

Routing by Dyn-Stor-Ind method, Time Span= 0.00-72.00 hrs, dt= 0.01 hrs
Max. Velocity= 1.01 fps, Min. Travel Time= 2.4 min
Avg. Velocity = 0.25 fps, Avg. Travel Time= 9.9 min

Peak Storage= 70 cf @ 0.19 hrs
Average Depth at Peak Storage= 0.23' , Surface Width= 2.09'
Bank-Full Depth= 1.00' Flow Area= 2.2 sf, Capacity= 4.41 cfs

2.00' x 1.00' deep channel, n= 0.030 Earth, grassed & winding
Side Slope Z-value= 0.2 '/' Top Width= 2.40'
Length= 146.8' Slope= 0.0037 '/'
Inlet Invert= 23.63', Outlet Invert= 23.09'





Summary for Reach 1B: SOUTH

Inflow Area = 2,209 sf, 71.75% Impervious, Inflow Depth = 0.91" for 10-Year event
Inflow = 0.27 cfs @ 0.17 hrs, Volume= 167 cf
Outflow = 0.27 cfs @ 0.17 hrs, Volume= 167 cf, Atten= 1%, Lag= 0.2 min
Routed to Pond G-1B : DITCH 1 GRATE 1B

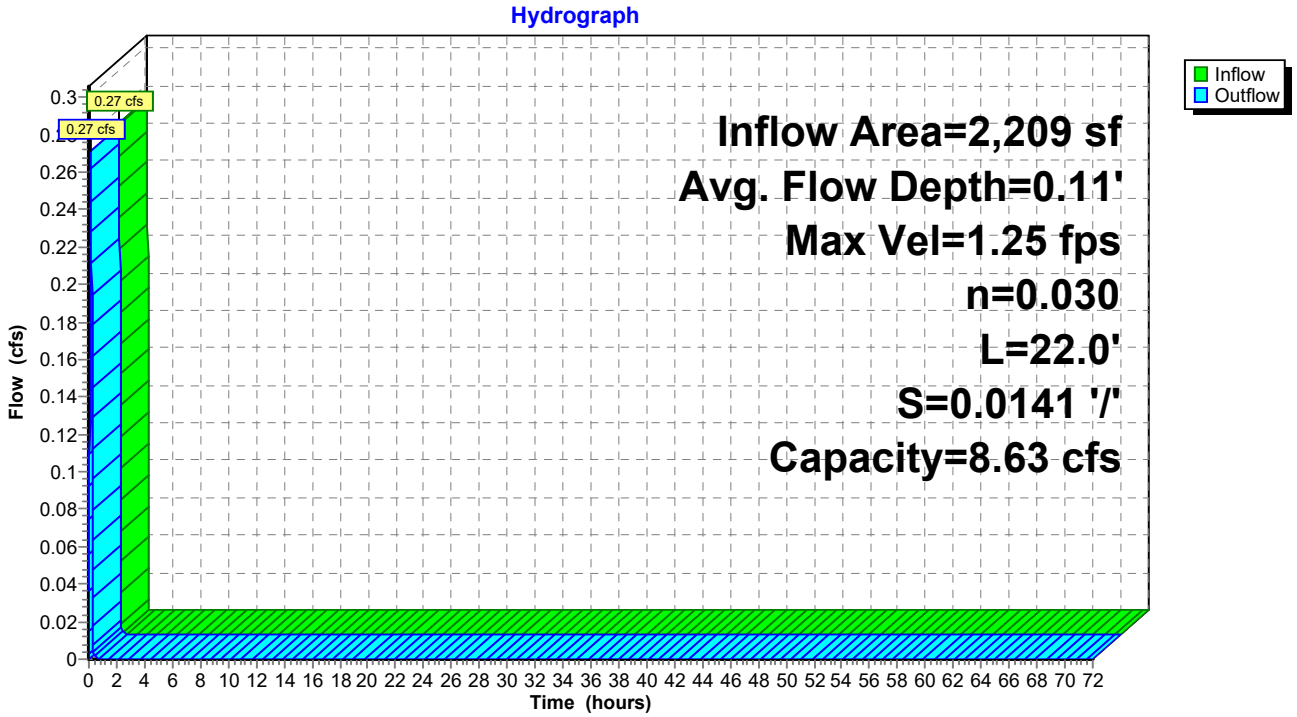
Routing by Dyn-Stor-Ind method, Time Span= 0.00-72.00 hrs, dt= 0.01 hrs
Max. Velocity= 1.25 fps, Min. Travel Time= 0.3 min
Avg. Velocity = 0.74 fps, Avg. Travel Time= 0.5 min

Peak Storage= 5 cf @ 0.17 hrs
Average Depth at Peak Storage= 0.11' , Surface Width= 2.04'
Bank-Full Depth= 1.00' Flow Area= 2.2 sf, Capacity= 8.63 cfs

2.00' x 1.00' deep channel, n= 0.030 Earth, grassed & winding
Side Slope Z-value= 0.2 '/' Top Width= 2.40'
Length= 22.0' Slope= 0.0141 '/'
Inlet Invert= 23.63', Outlet Invert= 23.32'



Reach 1B: SOUTH



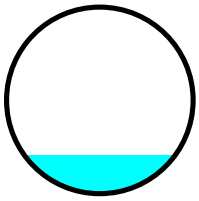
Summary for Reach 1C: PIPE TO MANHOLE

Inflow Area = 7,121 sf, 64.46% Impervious, Inflow Depth = 0.84" for 10-Year event
Inflow = 0.72 cfs @ 0.18 hrs, Volume= 497 cf
Outflow = 0.72 cfs @ 0.19 hrs, Volume= 497 cf, Atten= 0%, Lag= 0.1 min
Routed to Pond 1P : MANHOLE

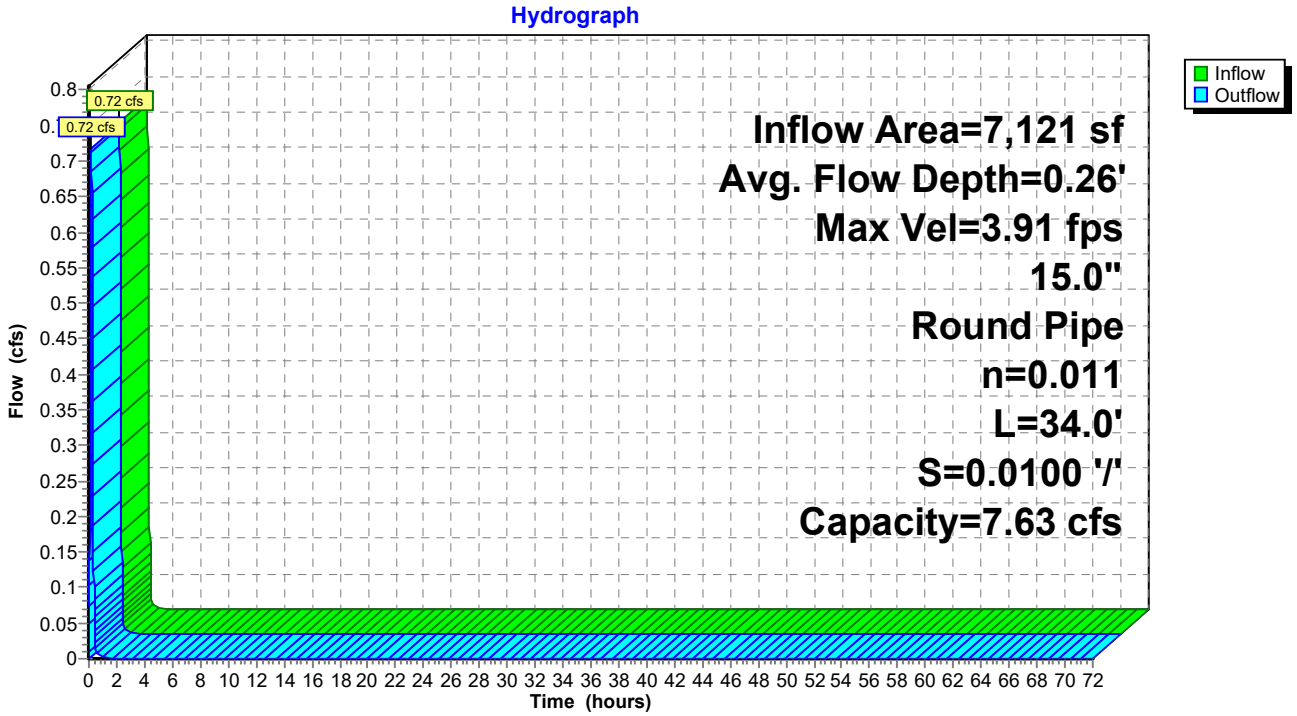
Routing by Dyn-Stor-Ind method, Time Span= 0.00-72.00 hrs, dt= 0.01 hrs
Max. Velocity= 3.91 fps, Min. Travel Time= 0.1 min
Avg. Velocity = 1.13 fps, Avg. Travel Time= 0.5 min

Peak Storage= 6 cf @ 0.19 hrs
Average Depth at Peak Storage= 0.26' , Surface Width= 1.01'
Bank-Full Depth= 1.25' Flow Area= 1.2 sf, Capacity= 7.63 cfs

15.0" Round Pipe
n= 0.011 Concrete pipe, straight & clean
Length= 34.0' Slope= 0.0100 '/'
Inlet Invert= 20.90', Outlet Invert= 20.56'



Reach 1C: PIPE TO MANHOLE

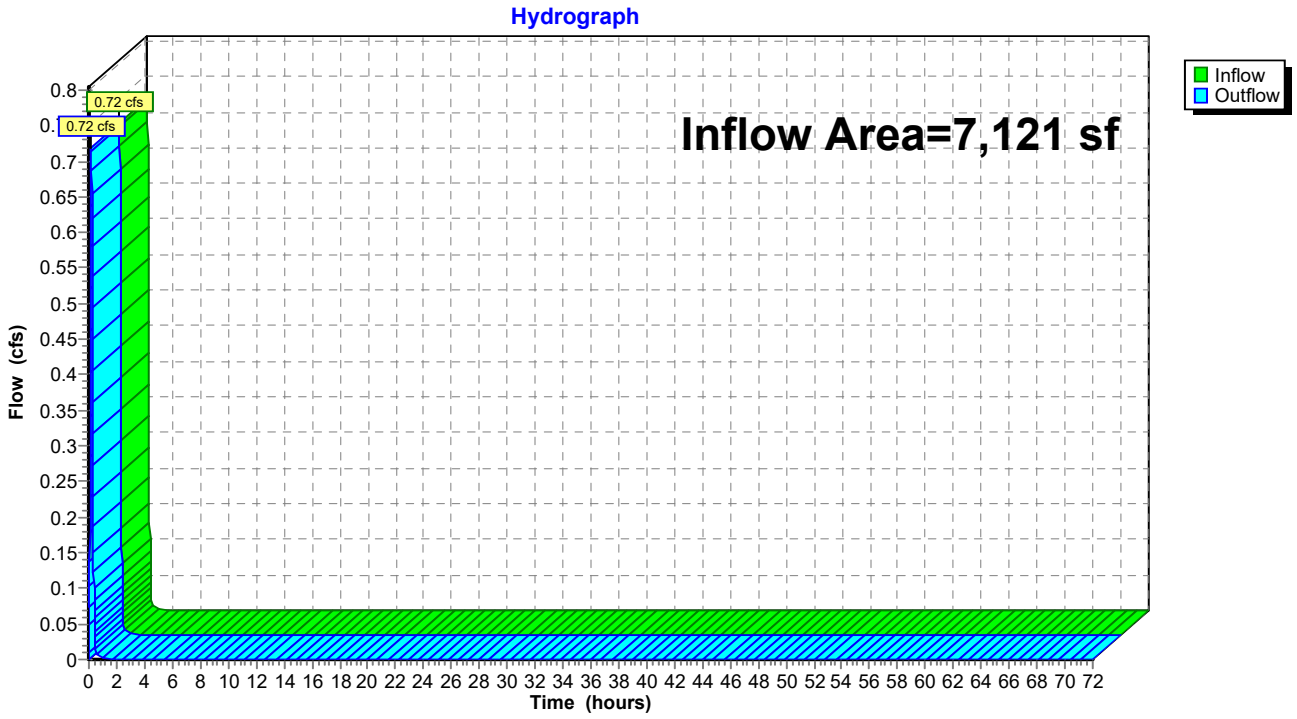


Summary for Reach 1D: MANHOLE TO GRATE

Inflow Area = 7,121 sf, 64.46% Impervious, Inflow Depth = 0.84" for 10-Year event
Inflow = 0.72 cfs @ 0.19 hrs, Volume= 497 cf
Outflow = 0.72 cfs @ 0.19 hrs, Volume= 497 cf, Atten= 0%, Lag= 0.0 min
Routed to Pond G-2B : DITCH 2 GRATE 2B

Routing by Dyn-Stor-Ind method, Time Span= 0.00-72.00 hrs, dt= 0.01 hrs

Reach 1D: MANHOLE TO GRATE



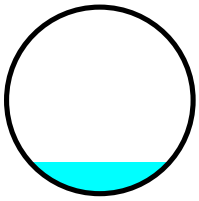
Summary for Reach 1R: PIPE T O GRATE 1A

Inflow Area = 4,912 sf, 61.18% Impervious, Inflow Depth = 0.81" for 10-Year event
Inflow = 0.48 cfs @ 0.19 hrs, Volume= 330 cf
Outflow = 0.48 cfs @ 0.20 hrs, Volume= 330 cf, Atten= 1%, Lag= 0.6 min
Routed to Pond G-1B : DITCH 1 GRATE 1B

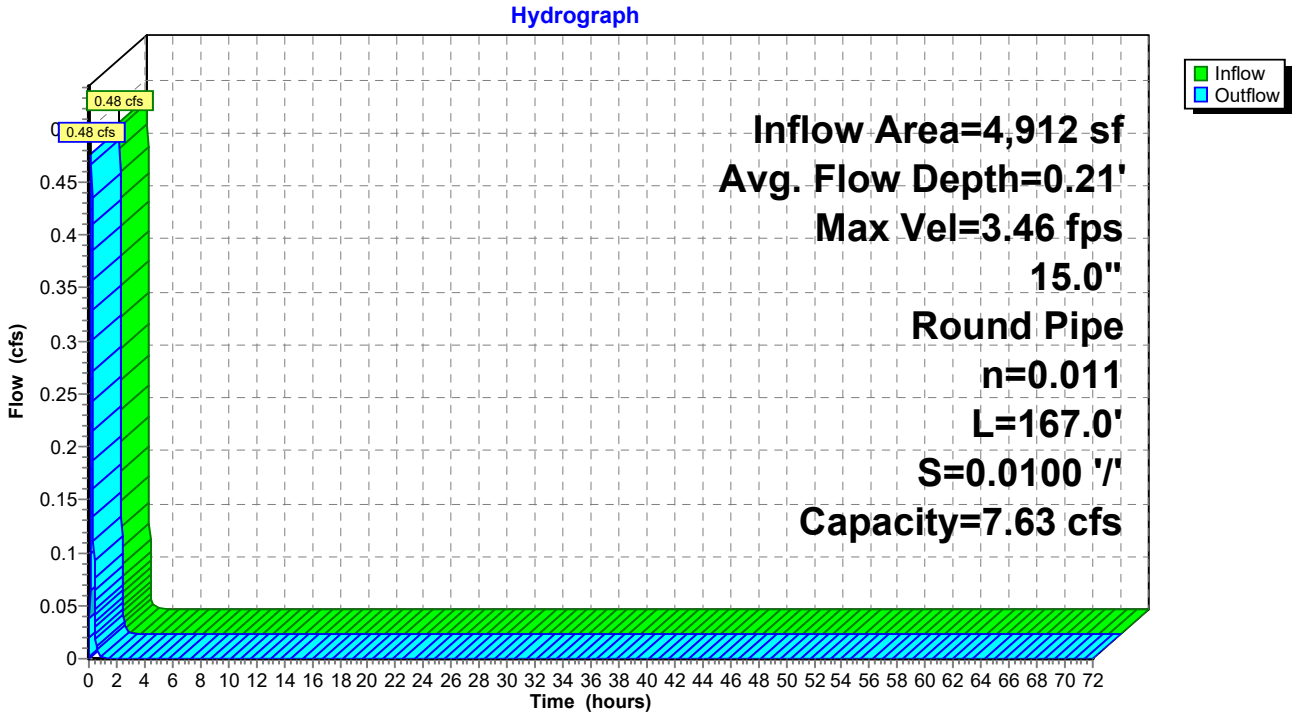
Routing by Dyn-Stor-Ind method, Time Span= 0.00-72.00 hrs, dt= 0.01 hrs
Max. Velocity= 3.46 fps, Min. Travel Time= 0.8 min
Avg. Velocity = 1.05 fps, Avg. Travel Time= 2.6 min

Peak Storage= 23 cf @ 0.20 hrs
Average Depth at Peak Storage= 0.21' , Surface Width= 0.94'
Bank-Full Depth= 1.25' Flow Area= 1.2 sf, Capacity= 7.63 cfs

15.0" Round Pipe
n= 0.011 Concrete pipe, straight & clean
Length= 167.0' Slope= 0.0100 '/'
Inlet Invert= 22.57', Outlet Invert= 20.90'



Reach 1R: PIPE T O GRATE 1A



Summary for Reach 2A: WEST

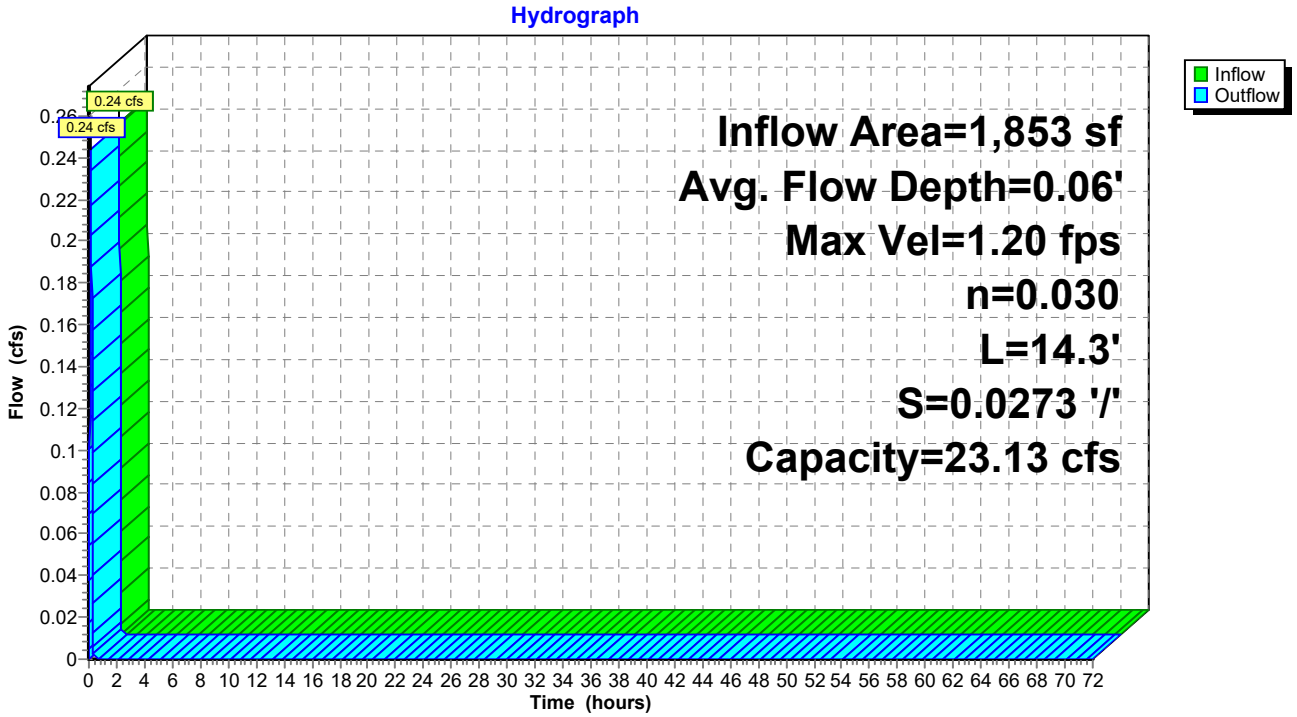
Inflow Area = 1,853 sf, 78.31% Impervious, Inflow Depth = 0.97" for 10-Year event
Inflow = 0.24 cfs @ 0.17 hrs, Volume= 149 cf
Outflow = 0.24 cfs @ 0.17 hrs, Volume= 149 cf, Atten= 0%, Lag= 0.1 min
Routed to Pond G-2A : DITCH 2 GRATE 2A

Routing by Dyn-Stor-Ind method, Time Span= 0.00-72.00 hrs, dt= 0.01 hrs
Max. Velocity= 1.20 fps, Min. Travel Time= 0.2 min
Avg. Velocity = 0.81 fps, Avg. Travel Time= 0.3 min

Peak Storage= 3 cf @ 0.17 hrs
Average Depth at Peak Storage= 0.06' , Surface Width= 3.52'
Bank-Full Depth= 1.00' Flow Area= 3.7 sf, Capacity= 23.13 cfs

3.50' x 1.00' deep channel, n= 0.030 Earth, grassed & winding
Side Slope Z-value= 0.2 '/' Top Width= 3.90'
Length= 14.3' Slope= 0.0273 '/'
Inlet Invert= 23.29', Outlet Invert= 22.90'





Summary for Reach 2B: EAST

Inflow Area = 1,405 sf, 64.70% Impervious, Inflow Depth = 0.84" for 10-Year event
Inflow = 0.16 cfs @ 0.17 hrs, Volume= 99 cf
Outflow = 0.16 cfs @ 0.18 hrs, Volume= 99 cf, Atten= 3%, Lag= 0.5 min
Routed to Pond G-2B : DITCH 2 GRATE 2B

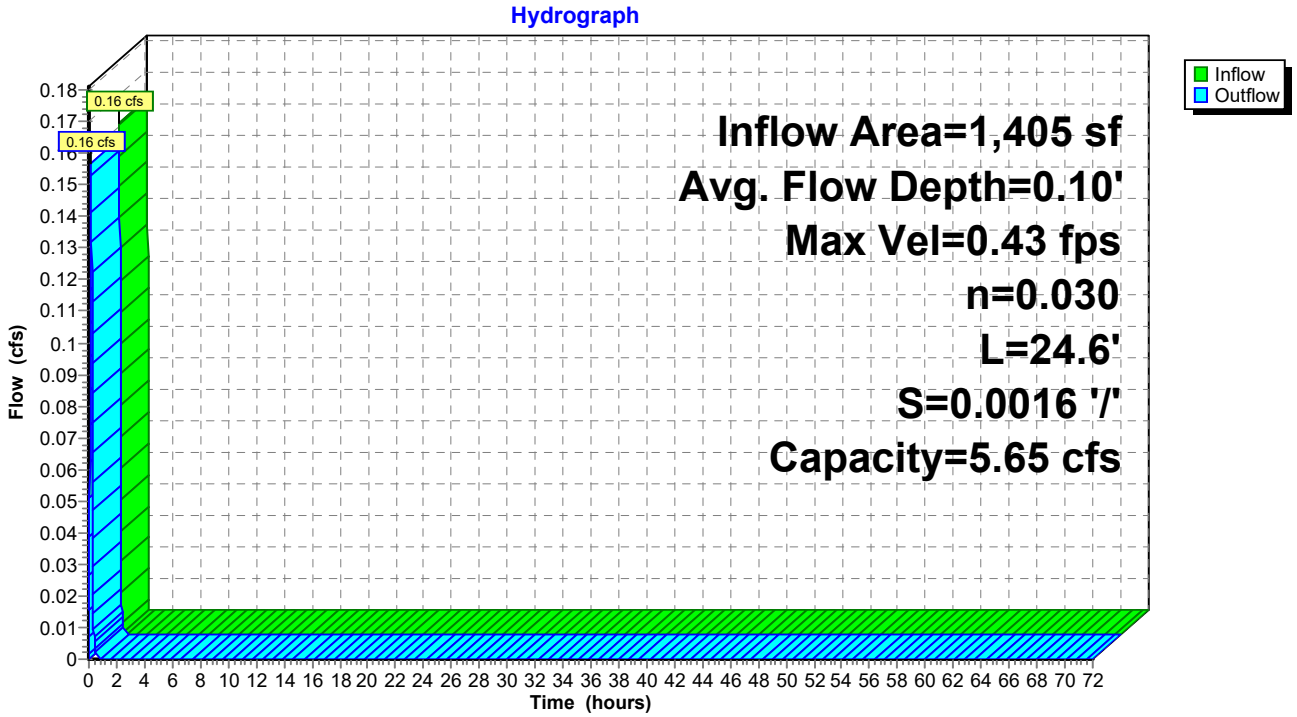
Routing by Dyn-Stor-Ind method, Time Span= 0.00-72.00 hrs, dt= 0.01 hrs
Max. Velocity= 0.43 fps, Min. Travel Time= 1.0 min
Avg. Velocity = 0.18 fps, Avg. Travel Time= 2.2 min

Peak Storage= 9 cf @ 0.18 hrs
Average Depth at Peak Storage= 0.10' , Surface Width= 3.54'
Bank-Full Depth= 1.00' Flow Area= 3.7 sf, Capacity= 5.65 cfs

3.50' x 1.00' deep channel, n= 0.030 Earth, grassed & winding
Side Slope Z-value= 0.2 '/' Top Width= 3.90'
Length= 24.6' Slope= 0.0016 '/'
Inlet Invert= 23.29', Outlet Invert= 23.25'



Reach 2B: EAST



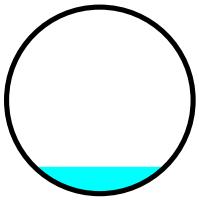
Summary for Reach 2C: PIPE TO GRATE 2B

Inflow Area = 3,776 sf, 74.28% Impervious, Inflow Depth = 0.76" for 10-Year event
Inflow = 0.34 cfs @ 0.17 hrs, Volume= 240 cf
Outflow = 0.34 cfs @ 0.17 hrs, Volume= 240 cf, Atten= 0%, Lag= 0.1 min
Routed to Pond G-2B : DITCH 2 GRATE 2B

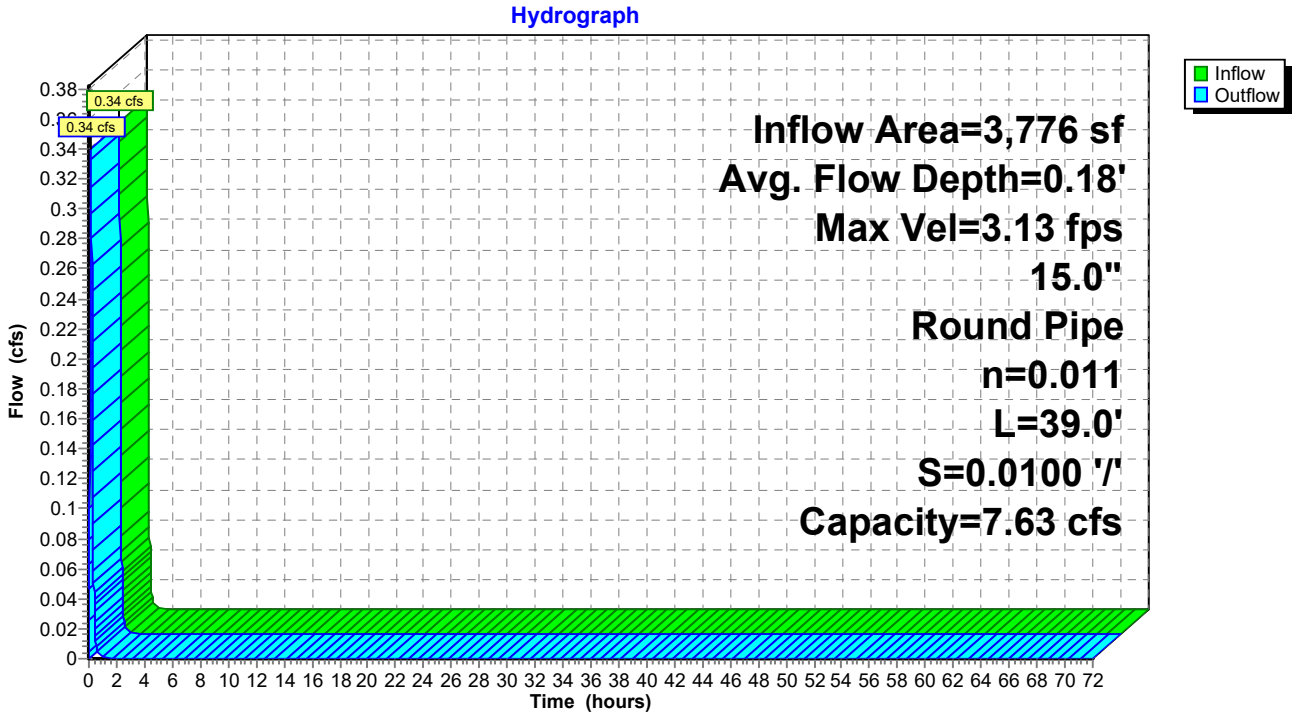
Routing by Dyn-Stor-Ind method, Time Span= 0.00-72.00 hrs, dt= 0.01 hrs
Max. Velocity= 3.13 fps, Min. Travel Time= 0.2 min
Avg. Velocity = 1.05 fps, Avg. Travel Time= 0.6 min

Peak Storage= 4 cf @ 0.17 hrs
Average Depth at Peak Storage= 0.18' , Surface Width= 0.88'
Bank-Full Depth= 1.25' Flow Area= 1.2 sf, Capacity= 7.63 cfs

15.0" Round Pipe
n= 0.011 Concrete pipe, straight & clean
Length= 39.0' Slope= 0.0100 '/'
Inlet Invert= 19.12', Outlet Invert= 18.73'



Reach 2C: PIPE TO GRATE 2B



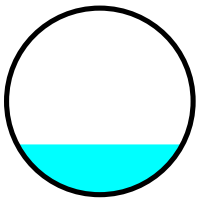
Summary for Reach 2D: GRATE TO OUTFALL

Inflow Area = 12,302 sf, 67.50% Impervious, Inflow Depth = 0.81" for 10-Year event
Inflow = 1.20 cfs @ 0.18 hrs, Volume= 835 cf
Outflow = 1.21 cfs @ 0.18 hrs, Volume= 835 cf, Atten= 0%, Lag= 0.1 min

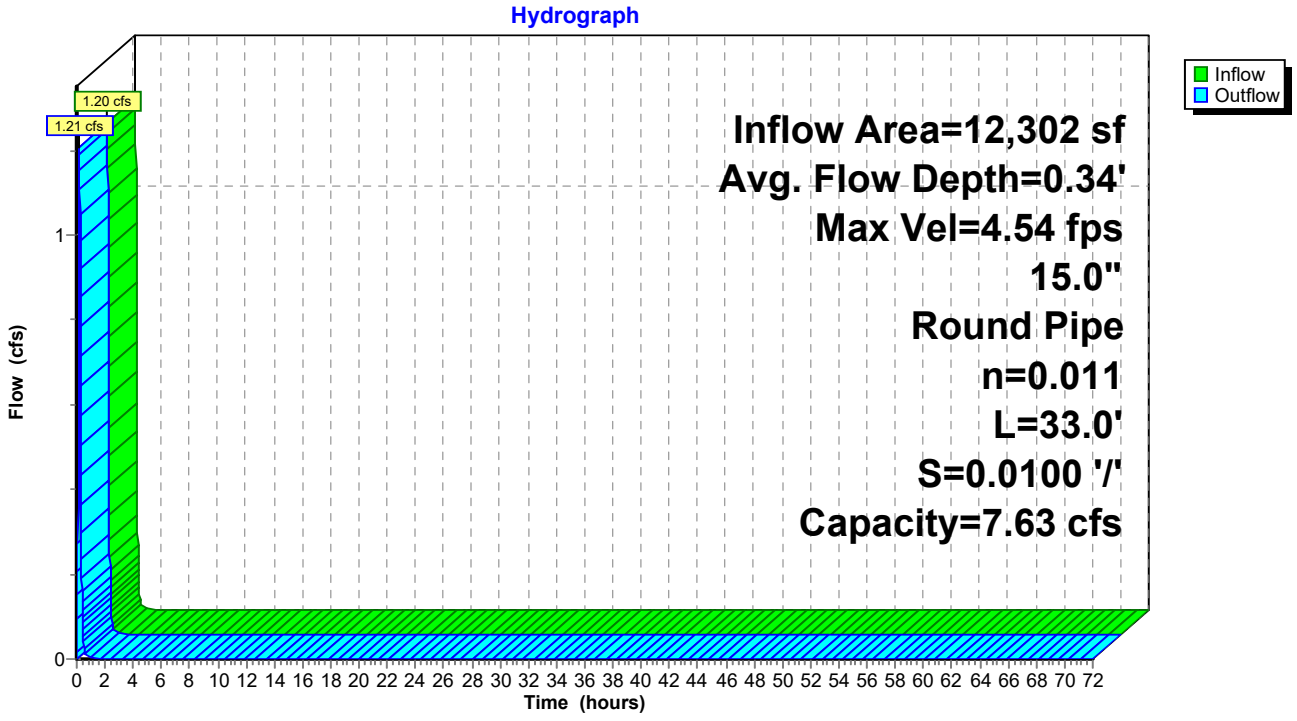
Routing by Dyn-Stor-Ind method, Time Span= 0.00-72.00 hrs, dt= 0.01 hrs
Max. Velocity= 4.54 fps, Min. Travel Time= 0.1 min
Avg. Velocity = 1.21 fps, Avg. Travel Time= 0.5 min

Peak Storage= 9 cf @ 0.18 hrs
Average Depth at Peak Storage= 0.34' , Surface Width= 1.11'
Bank-Full Depth= 1.25' Flow Area= 1.2 sf, Capacity= 7.63 cfs

15.0" Round Pipe
n= 0.011 Concrete pipe, straight & clean
Length= 33.0' Slope= 0.0100 '/'
Inlet Invert= 18.73', Outlet Invert= 18.40'



Reach 2D: GRATE TO OUTFALL



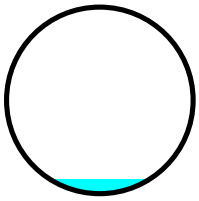
Summary for Reach 3A: DITCH 3 TO DITCH 2

Inflow Area = 1,923 sf, 70.41% Impervious, Inflow Depth = 0.56" for 10-Year event
Inflow = 0.10 cfs @ 0.16 hrs, Volume= 91 cf
Outflow = 0.10 cfs @ 0.17 hrs, Volume= 91 cf, Atten= 2%, Lag= 0.4 min
Routed to Pond G-2A : DITCH 2 GRATE 2A

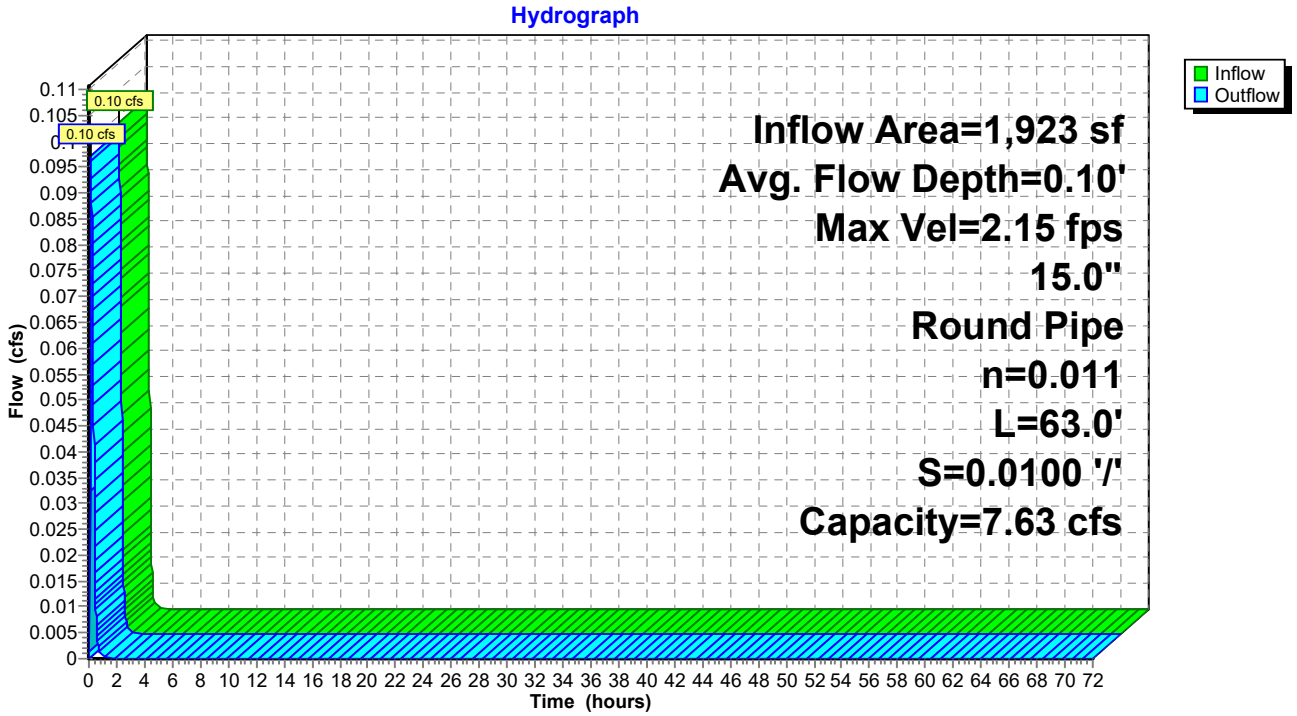
Routing by Dyn-Stor-Ind method, Time Span= 0.00-72.00 hrs, dt= 0.01 hrs
Max. Velocity= 2.15 fps, Min. Travel Time= 0.5 min
Avg. Velocity = 0.91 fps, Avg. Travel Time= 1.2 min

Peak Storage= 3 cf @ 0.17 hrs
Average Depth at Peak Storage= 0.10' , Surface Width= 0.67'
Bank-Full Depth= 1.25' Flow Area= 1.2 sf, Capacity= 7.63 cfs

15.0" Round Pipe
n= 0.011 Concrete pipe, straight & clean
Length= 63.0' Slope= 0.0100 '/'
Inlet Invert= 19.75', Outlet Invert= 19.12'



Reach 3A: DITCH 3 TO DITCH 2



Summary for Pond 1P: MANHOLE

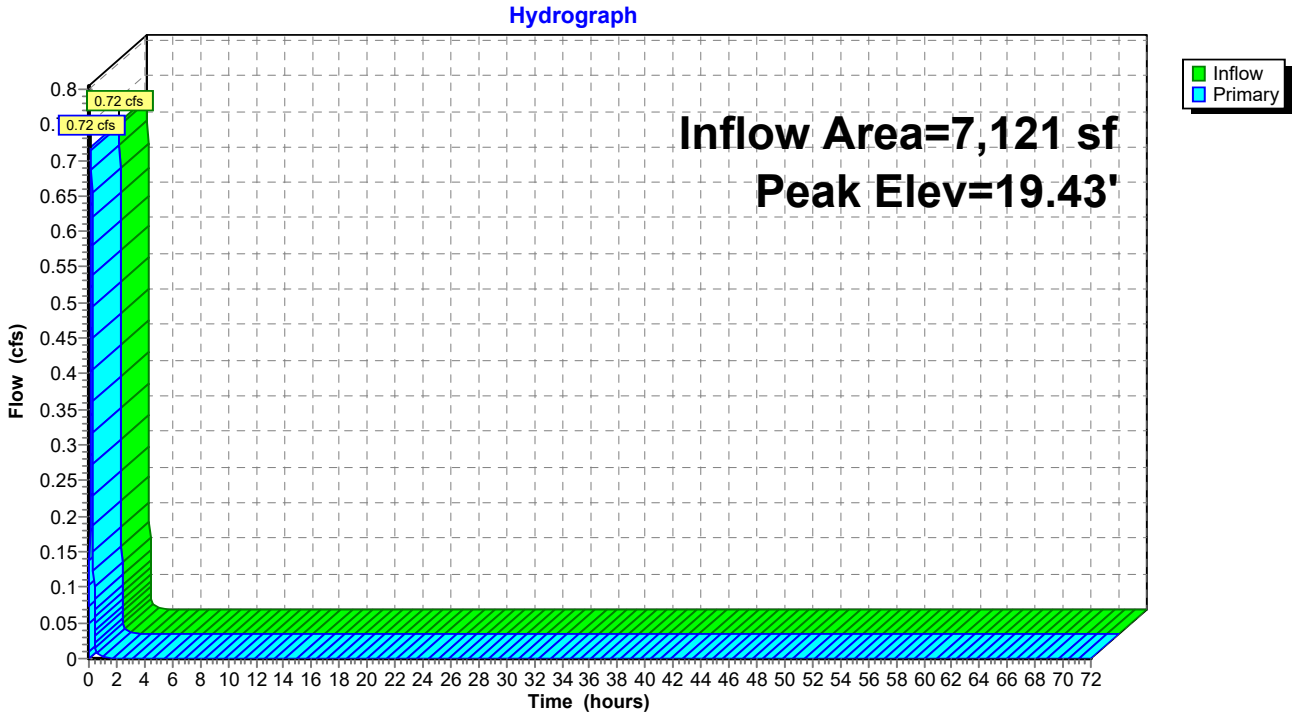
Inflow Area = 7,121 sf, 64.46% Impervious, Inflow Depth = 0.84" for 10-Year event
Inflow = 0.72 cfs @ 0.19 hrs, Volume= 497 cf
Outflow = 0.72 cfs @ 0.19 hrs, Volume= 497 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.72 cfs @ 0.19 hrs, Volume= 497 cf
Routed to Reach 1D : MANHOLE TO GRATE

Routing by Dyn-Stor-Ind method, Time Span= 0.00-72.00 hrs, dt= 0.01 hrs
Peak Elev= 19.43' @ 0.19 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	19.03'	**15.0" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads

Primary OutFlow Max=0.72 cfs @ 0.19 hrs HW=19.43' TW=0.00' (Dynamic Tailwater)
└**1=Orifice/Grate** (Orifice Controls 0.72 cfs @ 2.14 fps)

Pond 1P: MANHOLE



Summary for Pond G-1A: DITCH 1 GRATE 1A

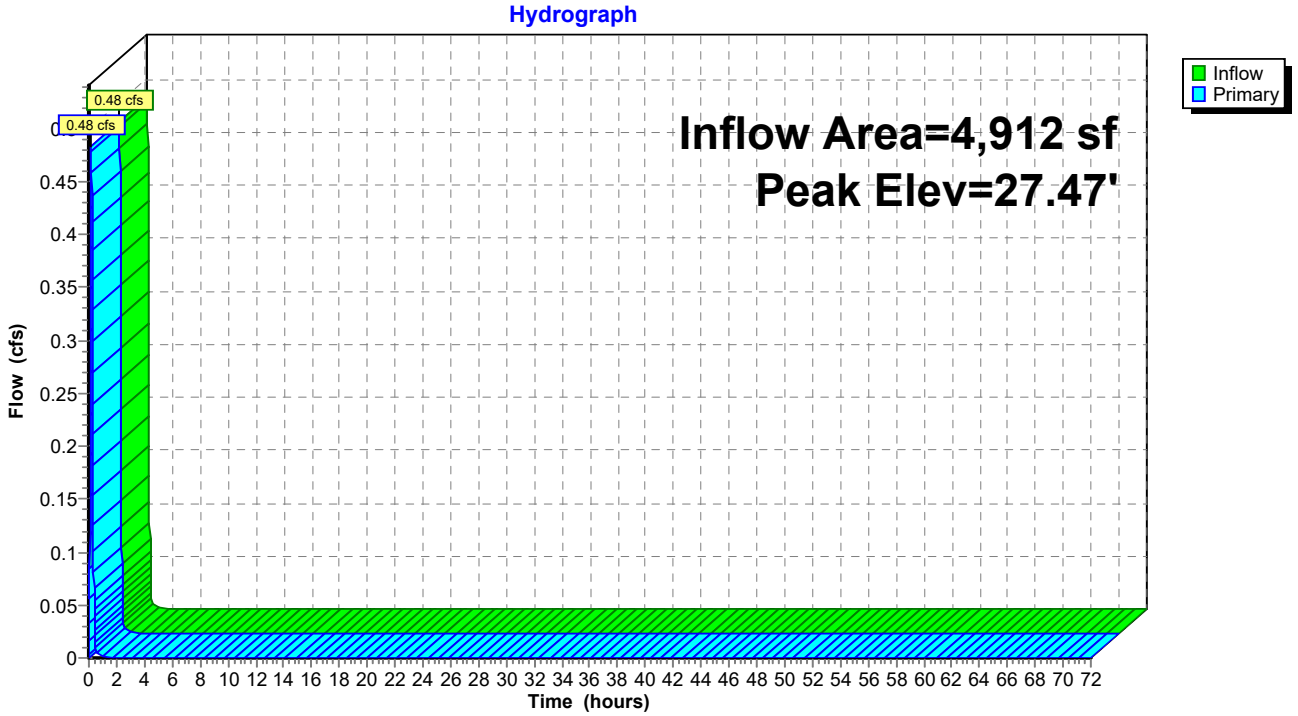
Inflow Area = 4,912 sf, 61.18% Impervious, Inflow Depth = 0.81" for 10-Year event
Inflow = 0.48 cfs @ 0.19 hrs, Volume= 330 cf
Outflow = 0.48 cfs @ 0.19 hrs, Volume= 330 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.48 cfs @ 0.19 hrs, Volume= 330 cf
Routed to Reach 1R : PIPE T O GRATE 1A

Routing by Dyn-Stor-Ind method, Time Span= 0.00-72.00 hrs, dt= 0.01 hrs
Peak Elev= 27.47' @ 0.19 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	23.09'	**2.3" x 3.0" Horiz. Orifice/Grate** C= 0.600 Limited to weir flow at low heads

Primary OutFlow Max=0.48 cfs @ 0.19 hrs HW=27.45' TW=22.78' (Dynamic Tailwater)
↳**1=Orifice/Grate** (Orifice Controls 0.48 cfs @ 10.06 fps)

Pond G-1A: DITCH 1 GRATE 1A



Summary for Pond G-1B: DITCH 1 GRATE 1B

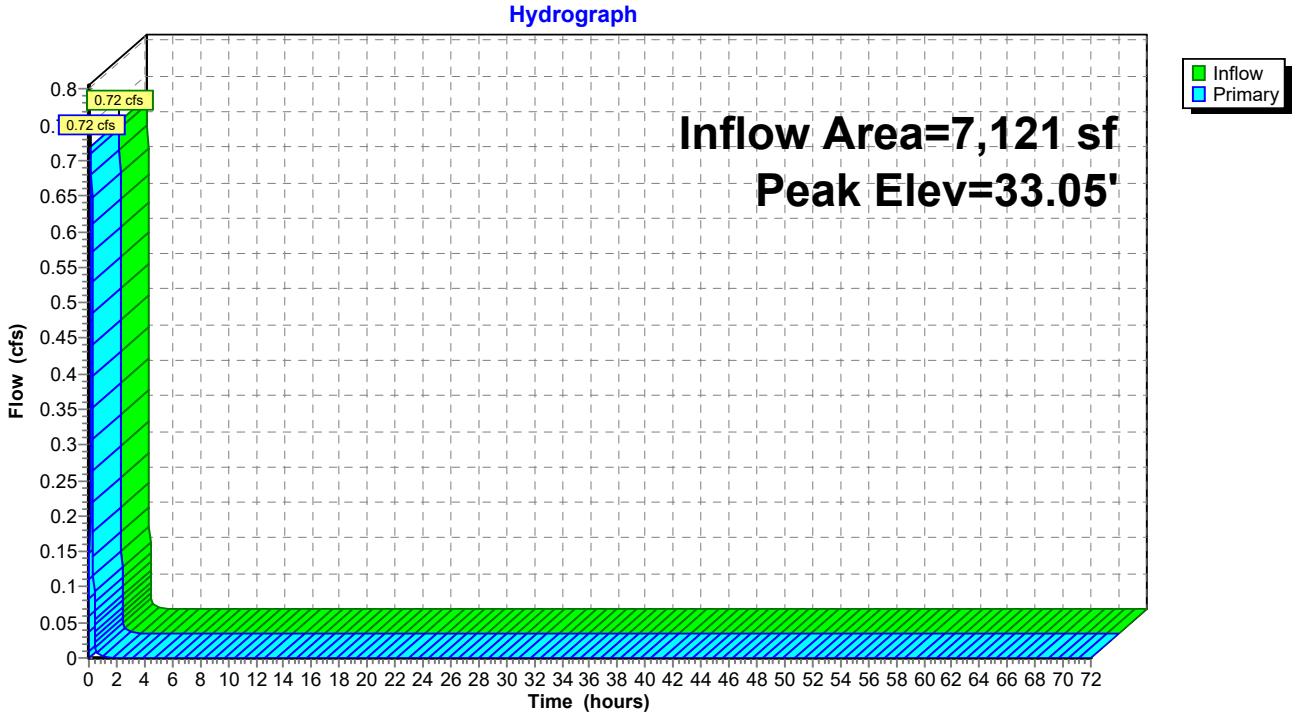
Inflow Area = 7,121 sf, 64.46% Impervious, Inflow Depth = 0.84" for 10-Year event
Inflow = 0.72 cfs @ 0.18 hrs, Volume= 497 cf
Outflow = 0.72 cfs @ 0.18 hrs, Volume= 497 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.72 cfs @ 0.18 hrs, Volume= 497 cf
Routed to Reach 1C : PIPE TO MANHOLE

Routing by Dyn-Stor-Ind method, Time Span= 0.00-72.00 hrs, dt= 0.01 hrs
Peak Elev= 33.05' @ 0.18 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	23.32'	**2.3" x 3.0" Horiz. Orifice/Grate** C= 0.600 Limited to weir flow at low heads

Primary OutFlow Max=0.72 cfs @ 0.18 hrs HW=32.98' TW=21.16' (Dynamic Tailwater)
1=Orifice/Grate (Orifice Controls 0.72 cfs @ 14.96 fps)

Pond G-1B: DITCH 1 GRATE 1B



Summary for Pond G-2A: DITCH 2 GRATE 2A

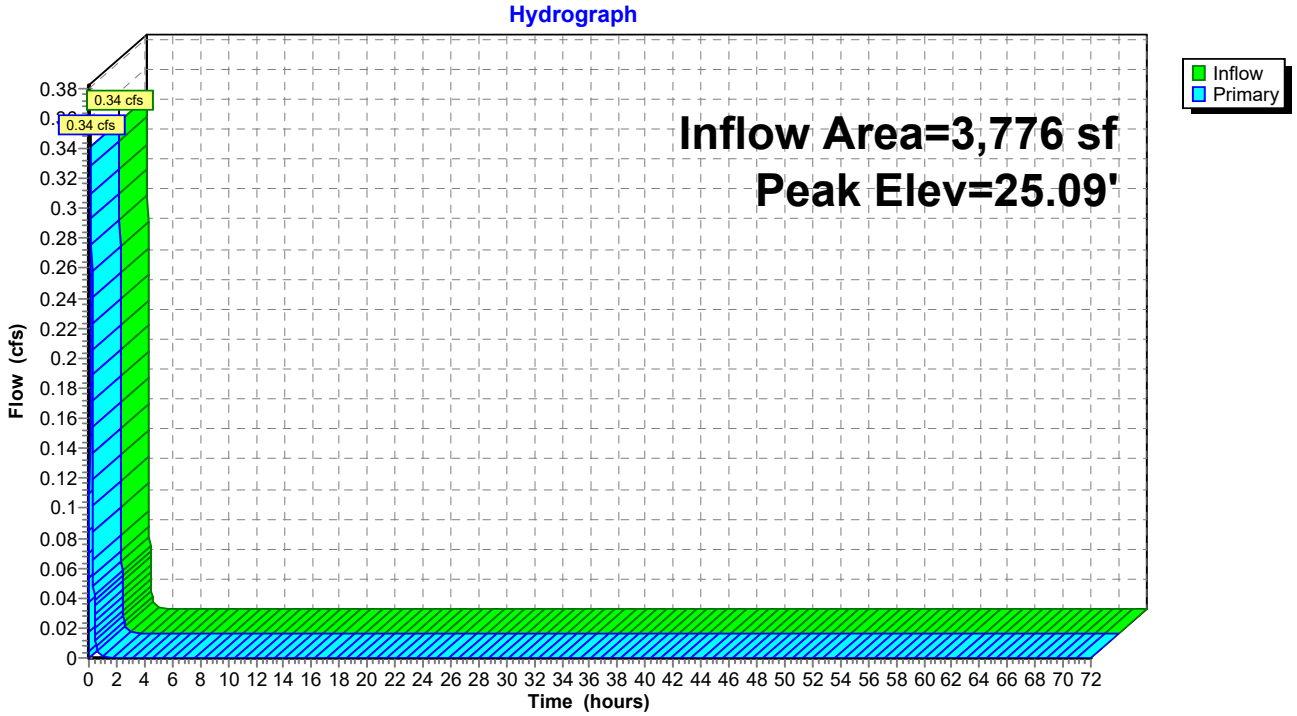
Inflow Area = 3,776 sf, 74.28% Impervious, Inflow Depth = 0.76" for 10-Year event
Inflow = 0.34 cfs @ 0.17 hrs, Volume= 240 cf
Outflow = 0.34 cfs @ 0.17 hrs, Volume= 240 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.34 cfs @ 0.17 hrs, Volume= 240 cf
Routed to Reach 2C : PIPE TO GRATE 2B

Routing by Dyn-Stor-Ind method, Time Span= 0.00-72.00 hrs, dt= 0.01 hrs
Peak Elev= 25.09' @ 0.17 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	22.90'	**2.3" x 3.0" Horiz. Orifice/Grate** C= 0.600 Limited to weir flow at low heads

Primary OutFlow Max=0.34 cfs @ 0.17 hrs HW=25.08' TW=19.30' (Dynamic Tailwater)
↳**1=Orifice/Grate** (Orifice Controls 0.34 cfs @ 7.10 fps)

Pond G-2A: DITCH 2 GRATE 2A



Summary for Pond G-2B: DITCH 2 GRATE 2B

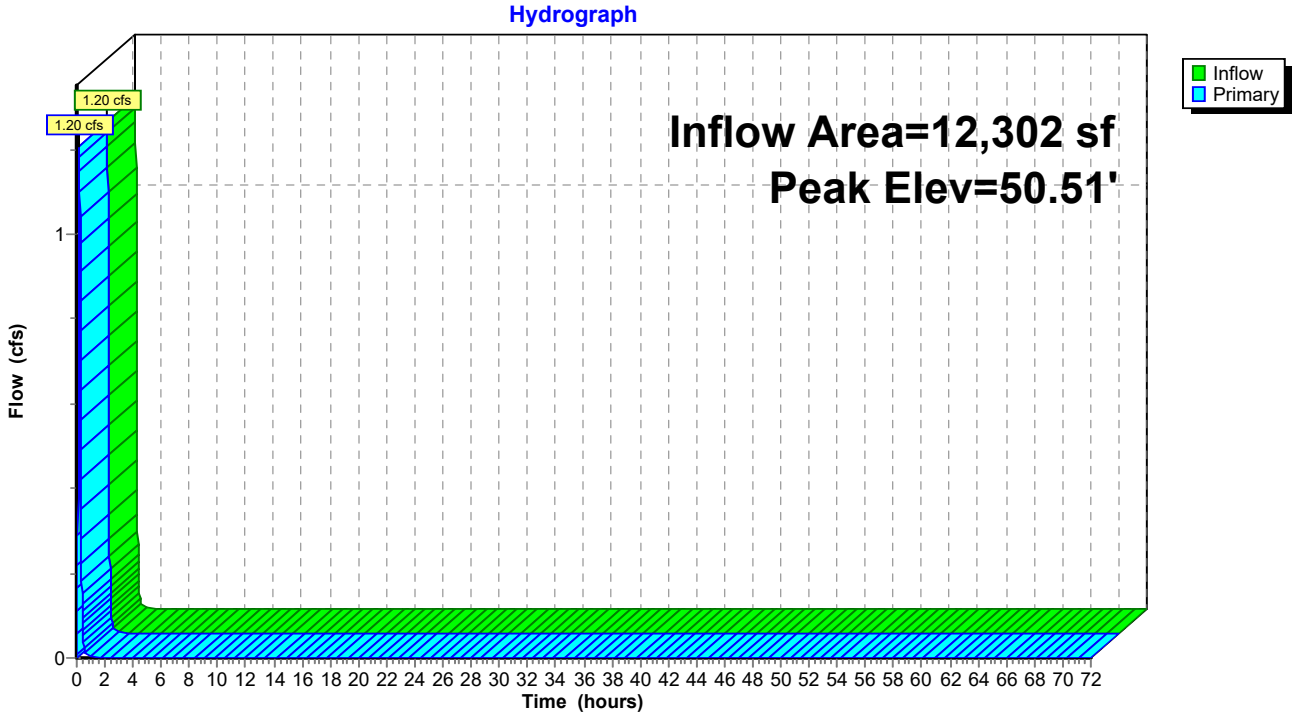
Inflow Area = 12,302 sf, 67.50% Impervious, Inflow Depth = 0.81" for 10-Year event
Inflow = 1.20 cfs @ 0.18 hrs, Volume= 835 cf
Outflow = 1.20 cfs @ 0.18 hrs, Volume= 835 cf, Atten= 0%, Lag= 0.0 min
Primary = 1.20 cfs @ 0.18 hrs, Volume= 835 cf
Routed to Reach 2D : GRATE TO OUTFALL

Routing by Dyn-Stor-Ind method, Time Span= 0.00-72.00 hrs, dt= 0.01 hrs
Peak Elev= 50.51' @ 0.18 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	23.25'	**2.3" x 3.0" Horiz. Orifice/Grate** C= 0.600 Limited to weir flow at low heads

Primary OutFlow Max=1.20 cfs @ 0.18 hrs HW=50.49' TW=19.07' (Dynamic Tailwater)
↳**1=Orifice/Grate** (Orifice Controls 1.20 cfs @ 25.13 fps)

Pond G-2B: DITCH 2 GRATE 2B



Summary for Pond G-3: DITCH 3 GRATE

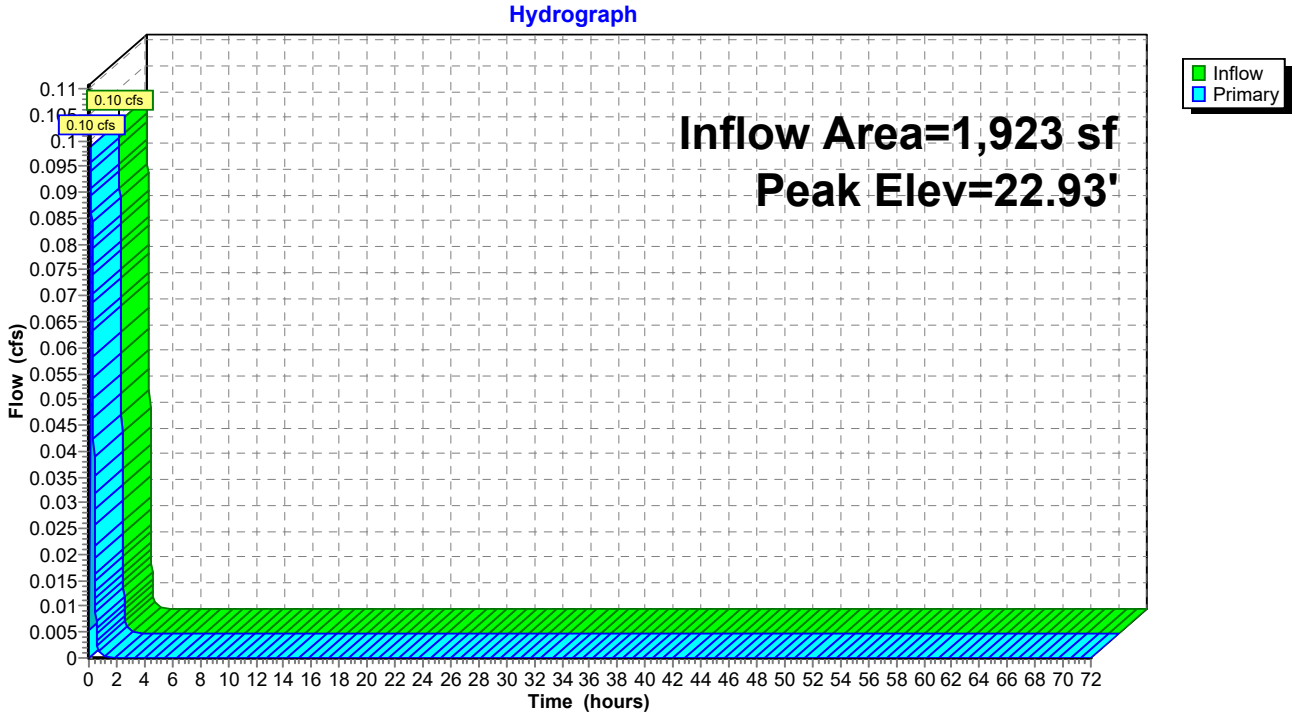
Inflow Area = 1,923 sf, 70.41% Impervious, Inflow Depth = 0.56" for 10-Year event
Inflow = 0.10 cfs @ 0.16 hrs, Volume= 91 cf
Outflow = 0.10 cfs @ 0.16 hrs, Volume= 91 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.10 cfs @ 0.16 hrs, Volume= 91 cf
Routed to Reach 3A : DITCH 3 TO DITCH 2

Routing by Dyn-Stor-Ind method, Time Span= 0.00-72.00 hrs, dt= 0.01 hrs
Peak Elev= 22.93' @ 0.16 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	22.75'	**2.3" x 3.0" Horiz. Orifice/Grate** C= 0.600 Limited to weir flow at low heads

Primary OutFlow Max=0.10 cfs @ 0.16 hrs HW=22.93' TW=19.85' (Dynamic Tailwater)
↳**1=Orifice/Grate** (Orifice Controls 0.10 cfs @ 2.06 fps)

Pond G-3: DITCH 3 GRATE



Summary for Pond PD-3: PROPOSED DITCH 3

Inflow Area = 1,923 sf, 70.41% Impervious, Inflow Depth = 0.91" for 10-Year event
Inflow = 0.24 cfs @ 0.00 hrs, Volume= 146 cf
Outflow = 0.10 cfs @ 0.16 hrs, Volume= 91 cf, Atten= 59%, Lag= 9.6 min
Primary = 0.10 cfs @ 0.16 hrs, Volume= 91 cf
Routed to Pond G-3 : DITCH 3 GRATE

Routing by Dyn-Stor-Ind method, Time Span= 0.00-72.00 hrs, dt= 0.01 hrs
Peak Elev= 23.11' @ 0.17 hrs Surf.Area= 204 sf Storage= 117 cf

Plug-Flow detention time= 12.8 min calculated for 86 cf (59% of inflow)
Center-of-Mass det. time= 10.2 min (15.0 - 4.8)

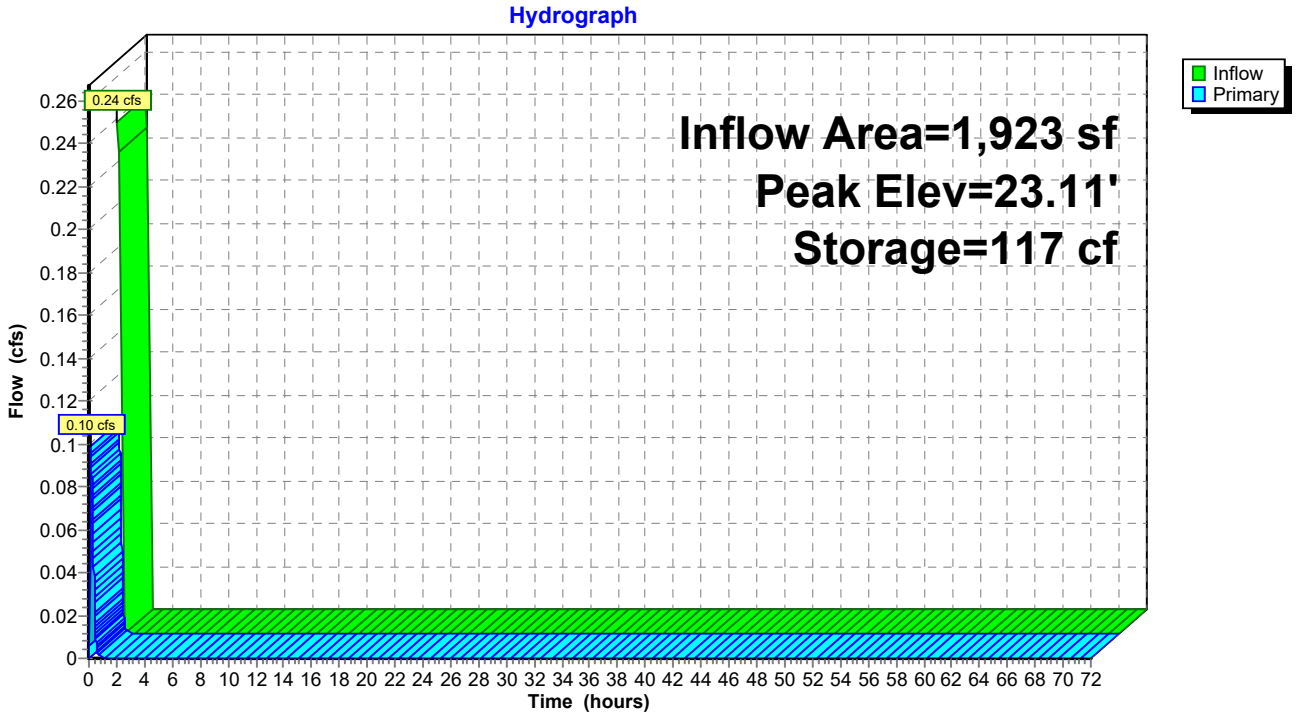
Volume	Invert	Avail.Storage	Storage Description
#1	22.25'	289 cf	**DITCH (Irregular)** Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
22.25	80	32.4	0	0	80
23.75	334	85.1	289	289	581

Device	Routing	Invert	Outlet Devices
#1	Primary	22.75'	**2.3" x 3.0" Horiz. Orifice/Grate** C= 0.600 Limited to weir flow at low heads

Primary OutFlow Max=0.09 cfs @ 0.16 hrs HW=23.10' TW=22.93' (Dynamic Tailwater)
↑**1=Orifice/Grate** (Orifice Controls 0.09 cfs @ 1.98 fps)

Pond PD-3: PROPOSED DITCH 3



APPENDIX E
DRAINAGE AREA MAPS

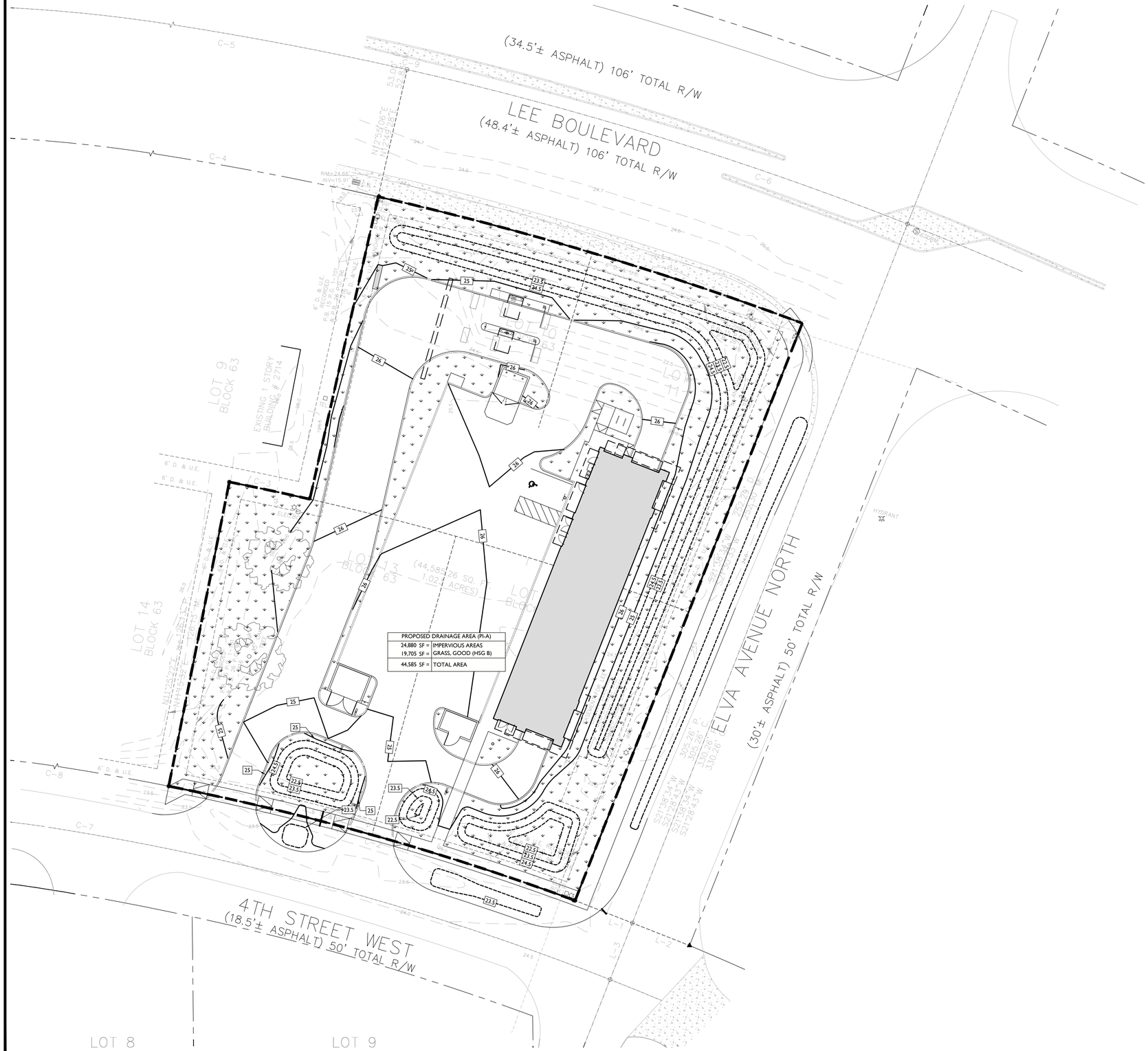
INVENTORY

EXISTING DRAINAGE AREA MAP

PROPOSED DRAINAGE AREA MAP

PROPOSED DRAINAGE DITCH AREA MAP


(34.5'± ASPHALT) 106' TOTAL R/W
LEE BOULEVARD
(48.4'± ASPHALT) 106' TOTAL R/W
C-5
C-4
C-6
C-9
C-8
C-7
C-3
C-2
C-1
N12°50'00"E
523.99'
S12°50'00"W
523.99'
RIM=24.66'
INV=15.91'
6' D. & U.E.
6' D. & U.E.
6' D. & U.E.
6' D. & U.E.
6' D. & U.E. RECORDED IN O.R.B. 15, P.G. 96 (TYP.)
6' D. & U.E. RECORDED IN O.R.B. 15, P.G. 96 (TYP.)
6' D. & U.E. RECORDED IN O.R.B. 15, P.G. 96 (TYP.)
6' D. & U.E. RECORDED IN O.R.B. 15, P.G. 96 (TYP.)
EXISTING 1 STORY BUILDING # 2714
LOT 9
BLOCK 63
LOT 13
BLOCK 63
(44,585 SQ. FT. 1.023 ACRES)
LOT 12
BLOCK 63
LOT 14
BLOCK 63
EXISTING DRAINAGE AREA (E1-A)
25,913 SF = IMPERVIOUS AREAS
18,672 SF = GRASS, GOOD (HSG B)
44,585 SF = TOTAL AREA
EXISTING DRAINAGE AREA
EXISTING PERVIOUS AREA
EXISTING CATCH BASIN
EXISTING INLET
EXISTING MANHOLE
EXISTING CURB INLET
EXISTING FIRE HYDRANT
EXISTING WATER VALVE
EXISTING WATER METER
EXISTING SIGN
EXISTING POWER POLE
EXISTING LIGHT POLE
EXISTING GUY WIRE
EXISTING TREE
EXISTING PALM TREE
EXISTING CONCRETE
EXISTING ASPHALT
EXISTING CONCRETE CURB
EXISTING CONCRETE CURB & GUTTER
EXISTING CONCRETE SIDEWALK
EXISTING CONCRETE DRIVEWAY
EXISTING ASPHALT DRIVEWAY
EXISTING CONCRETE FLUME
EXISTING CONCRETE DITCH
EXISTING ASPHALT DITCH
EXISTING GRASS DITCH
EXISTING CONCRETE SWALE
EXISTING ASPHALT SWALE
EXISTING GRASS SWALE
EXISTING CONCRETE PAVERS
EXISTING CONCRETE PAVERS
EXISTING CONCRETE PAVERS



ISSUE	DATE	BY	DESCRIPTION
4	11/26/2025	GPG	FOR COUNTY RESUBMISSION - DOT
3	08/14/2025	GPG	FOR COUNTY SUBMISSION
3	07/10/2025	GPG	FOR 90% CLIENT REVIEW
2	06/27/2025	KGR	FOR 60% CLIENT REVIEW
1	06/13/2025	GPG	FOR CLIENT REVIEW

FOR CONSTRUCTION

STONEFIELD engineering & design

Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com

Rivergate Tower, 400 N Ashley Drive, Suite 1950, Tampa, FL 33602
Phone 813.792.2200

SITE DEVELOPMENT PLANS

LEHIGH ACRES
PROPOSED CARWASH

PARCEL ID: 25-44-26-B0063.0100 & 25-44-26-B0500063.0120
2701 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

JAMES S. KINOSIAN, P.E.
FLORIDA LICENSE No. 86000
LICENSED PROFESSIONAL ENGINEER
FLORIDA BUSINESS CERT. OF AUTH. No. 30078

STONEFIELD engineering & design

SCALE: 1" = 20' | PROJECT ID: TAM-250036

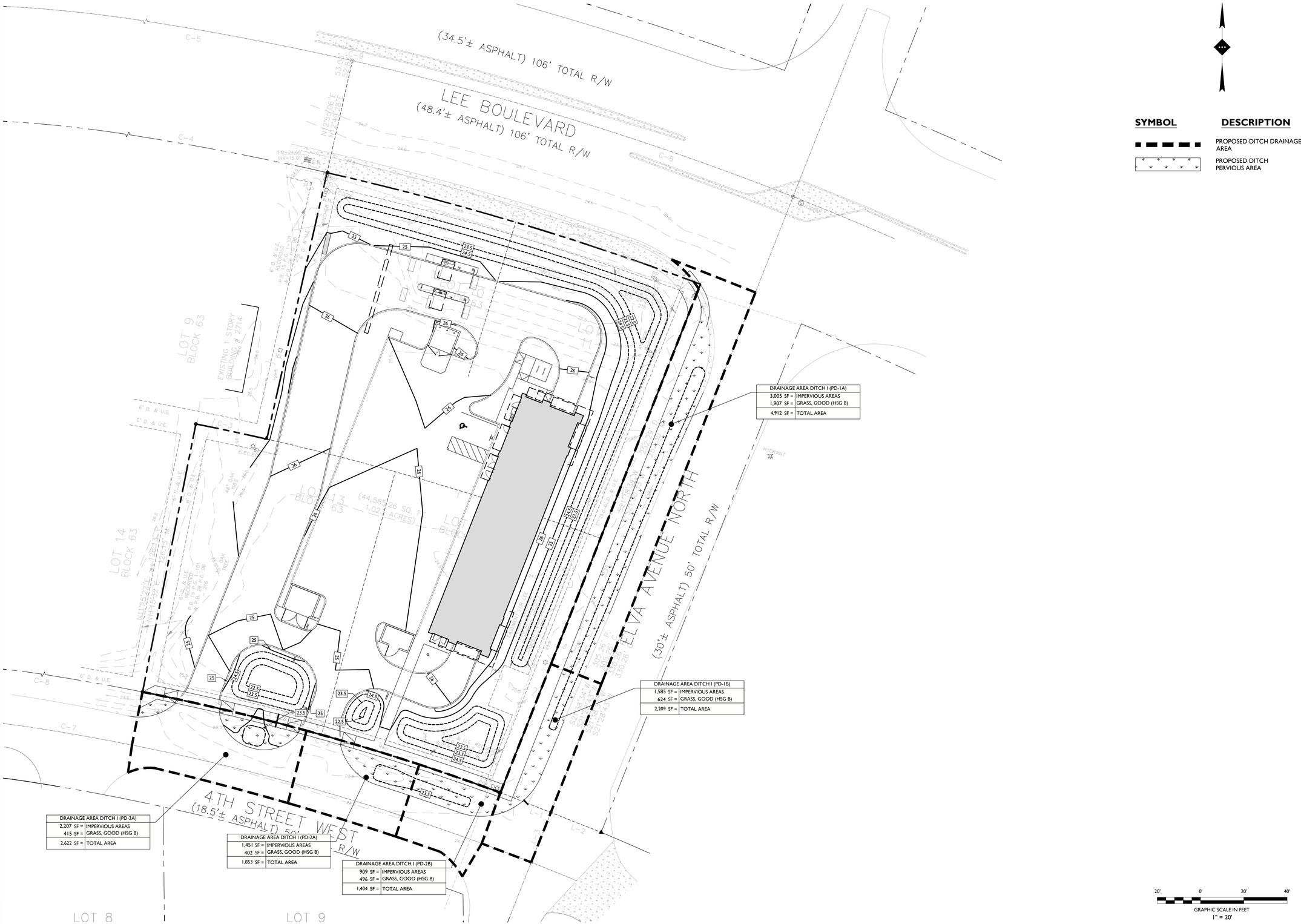
TITLE:

PROPOSED DRAINAGE AREA MAP

DRAWING:

2 OF 3

Z:\TAMPA\TAM2025\TAM-250036 EL CAR WASH - 2701 LEE BOULEVARD, LEHIGH ACRES, FL\CAD\SHEET\DRAINAGE AREA MAP\2025-11-26_DRAINAGE AREA MAP.DWG



SYMBOL	DESCRIPTION
	PROPOSED DITCH DRAINAGE AREA
	PROPOSED DITCH PERVIOUS AREA

20' 0' 20' 40'
GRAPHIC SCALE IN FEET
1" = 20'

ISSUE	DATE	BY	DESCRIPTION
4	11/26/2025	GPG	FOR COUNTY RESUBMISSION - DOT
3	08/14/2025	GPG	FOR COUNTY SUBMISSION
3	07/10/2025	GPG	FOR 90% CLIENT REVIEW
2	06/27/2025	KGR	FOR 60% CLIENT REVIEW
1	06/13/2025	GPG	FOR CLIENT REVIEW

FOR CONSTRUCTION

STONEFIELD engineering & design
Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com
Rivergate Tower, 400 N Ashley Drive, Suite 1950, Tampa, FL 33602
Phone 813.792.2200

SITE DEVELOPMENT PLANS

CAR WASH FLORIDA

LEHIGH ACRES PROPOSED CARWASH

PARCEL ID: 25442605000063.0100 & 25442605000063.0120
2701 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

JAMES S. KINOSIAN, P.E.
FLORIDA LICENSE No. 86000
LICENSED PROFESSIONAL ENGINEER
FLORIDA BUSINESS CERT. OF AUTH. No. 30078

STONEFIELD engineering & design

SCALE: 1" = 20' | PROJECT ID: TAM-250036

TITLE:

PROPOSED DITCH DRAINAGE AREA MAP

DRAWING:

STONEFIELD

STORMWATER MANAGEMENT REPORT

LEHIGH ACRES
PROPOSED CAR WASH
PARCEL ID: 25-44-26-05-00063.0100 & 25-44-26-05-00063.0120
2701 LEE BOULEVARD & 2700 4TH STREET WEST
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

PREPARED FOR:

EL CAR WASH

PREPARED BY:

JAMES KINOSIAN, PE
STONEFIELD ENGINEERING & DESIGN, LLC
APRIL 22, 2026
TAM-250036

JAMES KINOSIAN PE
FLORIDA PROFESSIONAL ENGINEER LICENSE # 86000

STONEFIELDENG.COM

400 NORTH ASHLEY DRIVE, SUITE 1950, TAMPA, FL 33602 813.793.2200 T. 201.340.4472 F.

REPORT CONTENTS

1.0 PROJECT DESCRIPTION 1

2.0 EXISTING CONDITIONS 1

2.1 EXISTING DRAINAGE AREAS 1

2.2 PROJECT SOILS 2

3.0 PROPOSED CONDITIONS 2

3.1 PROPOSED DRAINAGE AREAS 2

4.0 ANALYSIS METHODOLOGY & DESIGN PARAMETERS 3

4.1 HYDROLOGIC & HYDRAULIC ANALYSES 3

4.2 SOUTH FLORIDA WATER MANAGEMENT DISTRICT (SFWMD) STORMWATER DESIGN PARAMETERS 4

4.3 SUBSURFACE STORMWATER INVESTIGATION 4

5.0 PROJECT ANALYSIS RESULTS 5

5.1 STORMWATER QUANTITY CONTROL 5

5.2 STORMWATER TREATMENT 5

5.3 ROADSIDE DITCH DESIGN 6

5.4 MINIMUM ELEVATIONS 8

6.0 CONCLUSIONS _____ 8

APPENDICIES

PROJECT FIGURES ..... **A**

USGS QUADRANGLE MAP ..... *FIGURE 1*

AERIAL MAP ..... *FIGURE 2*

ZONING MAP ..... *FIGURE 3*

FUTURE LAND USE MAP ..... *FIGURE 4*

FEMA MAP ..... *FIGURE 5*

WETLANDS MAP ..... *FIGURE 6*

SOILS MAP ..... *FIGURE 7*

NRCS COUNTY SOILS SURVEY ..... **B**

GEOTECHNICAL REPORT ..... **C**

DESIGN CALCULATIONS & DIAGRAMS ..... **D**

HYDROCAD ROUTING DIAGRAM *D-1*

SFWMD IMPERVIOUS CALCULATIONS *D-2*

SFWMD 25-YEAR, 72-HOUR HYDROGRAPHS *D-3*

SFWMD 100-YEAR, 72-HOUR HYDROGRAPHS *D-4*

SFWMD 10-YEAR, 1-DAY HYDROGRAPHS *D-5*

SFWMD PRETREATMENT CALCULATIONS *D-6*

ROADSIDE DRAINAGE DITCH DESIGN CALCULATIONS *D-7*

DRAINAGE AREA MAPS ..... **E**

EXISTING DRAINAGE AREA MAP ..... *1 OF 3*

PROPOSED DRAINAGE AREA MAP ..... *2 OF 3*

PROPOSED DRAINAGE DITCH AREA MAP ..... *3 OF 3*

1.0 PROJECT DESCRIPTION

El Car Wash is proposing the construction of a full-service car wash with additional vacuum parking spaces. The subject property is designated 25-44-26-05-00063.0100 & 25-44-26-05-00063.0120, commonly known as 2701 Lee Boulevard and 2700 4th Street West, and it is located at the intersection of Lee Boulevard, 4th Street West, and Elva Avenue North.

The total project area is 44,585 SF (1.02 Acres), the total area of impervious surfaces is 24,199 SF (0.56) Acres), and the total area of disturbance is 55.036 SF (1.26 Acres). Project Figures can be found in **Appendix A** of this Report.

This Stormwater Management Report has been prepared to analyze the potential stormwater runoff impacts of the proposed project and discuss the measures proposed to confirm the stormwater management requirements set forth by the Lee County and the South Florida Water Management District (SFWMD).

2.0 EXISTING CONDITIONS

The existing project site consists of two commercial lots with a vacant building previously developed with the Gendron Funeral Home and its associated parking facility. Access to the development is provided via three full access driveways off Elva Avenue. The existing site stormwater system consists of an existing infiltration pond located on the north side of the property that discharges to a series of ditches on the west side of Elva Avenue North.

2.1 EXISTING DRAINAGE AREAS

Under existing conditions, the site is comprised of one (1) drainage area. The existing site drainage consists of no underground infrastructure as all site runoff is directed via overland flow to the infiltration retention pond located on the north side of the site. The existing infiltration system consists of an aboveground dry infiltration pond with a PVC pipe discharge for larger storm events to the series of roadway ditches along the west side of Elva Avenue North. The surrounding right-of-way area along Elva Avenue North and 4th Street West collects into a series of roadway ditches.

TABLE 1: EXISTING DRAINAGE AREA

Drainage Area	Description	Area Extents (SF)	Impervious Area (SF)	Impervious Coverage (%)
E-1A	Existing Drainage Area	44,585	25,913	58.1%

Detailed information regarding each drainage area can be found on the Existing Drainage Area Map in **Appendix E** of this Report.

2.2 PROJECT SOILS

Per the National Resource Conservation Service (NRCS) data, the soil underlying the project site consists of:

TABLE 2: NRCS PROJECT SOILS

Soil Unit Code	Soil Description	Approximate Project Coverage	Hydrologic Soil Group
36	Immokalee sand-Urban land complex, 0 to 2 percent slopes	100.0	B/D

The hydrologic soil group classifications above have been utilized in the landcover data for the stormwater analysis performed on the project.

3.0 PROPOSED CONDITIONS

Under the proposed development plan, a new 3,473 SF car wash with associated vacuum parking spaces will be constructed. Additional site improvements include parking, lighting, utilities, landscaping and stormwater improvements. On-site stormwater improvements include a series of connected aboveground infiltration basins with underground exfiltration trenches which collect stormwater via roof leaders connections and overland flow. The on-site stormwater system maintains emergency overland discharge to the adjacent roadside ditches. In addition to the on-site stormwater improvements, the roadside ditches along Elva Avenue North and 4th Street West will be reconstructed to allow for the construction of right-of-way pedestrian facilities.

3.1 PROPOSED DRAINAGE AREAS

Under proposed conditions the site is comprised of one (1) drainage area that discharge to a single point of interest. The point of interest is maintained from the existing conditions, the Elva Avenue North and 4th Street West drainage ditches. The stormwater runoff is collected within the connected aboveground infiltration basin areas with additional underground exfiltration trenches via overland flow and roof leader discharges. The aboveground infiltration basins have an emergency discharge to the roadside ditches along Elva Avenue North and

4th Street West. The disconnected drainage ditches collect water from the site and half of the right-of-way area. Water collected in the drainage ditches infiltrates through the soil and meets Lee County roadside ditch drainage standards.

TABLE 3: PROPOSED DRAINAGE AREAS

Drainage Area	Description	Area Extents (SF)	Impervious Area (SF)	Impervious Coverage (%)	Time of Concentration (Min)
P-1A	Proposed Drainage Area	44,585	24,199	54.3	10.0*

** The minimum time of concentration was utilized. Refer to Section 4.0 for more information regarding design parameters.*

TABLE 4: PROPOSED DITCH DRAINAGE AREAS

Drainage Area	Description	Area Extents (SF)	Impervious Area (SF)	Impervious Coverage (%)	Time of Concentration (Min)
PD-1A	Proposed Drainage Area to Elva Avenue North Ditch	4,912	3,005	61.2%	10.0*
PD-1B	Proposed Drainage Area to Elva Avenue North Ditch	2,209	1,585	71.8%	10.0*
PD-2A	Proposed Drainage Area to 4th Street West Ditch	1,853	1,451	78.3%	10.0*
PD-2B	Proposed Drainage Area to 4th Street West Ditch	1,404	909	64.7%	10.0*
PD-3A	Proposed Drainage Area to 4th Street West Ditch	2,622	2,207	84.2%	10.0*
PD-3A	Proposed Drainage Area to 4th Street West Ditch	135	54	40.0%	10.0*

** The minimum time of concentration was utilized. Refer to Section 4.0 for more information regarding design parameters.*

Detailed information regarding each drainage area can be found on the Proposed Drainage Area Map in **Appendix E** of this Report.

4.0 ANALYSIS METHODOLOGY & DESIGN PARAMETERS

4.1 HYDROLOGIC & HYDRAULIC ANALYSES

The existing and proposed drainage areas have been analyzed utilizing a modified version of the NRCS SCS TR-20 method. The analysis program "HydroCAD" Version 9.10 by HydroCAD Software Solutions LLC was used to calculate and plot the runoff hydrographs. The program incorporates the time of concentration, CN values, 24-hour rainfall events, and project drainage areas to calculate the runoff characteristics. Key variables utilized include the SCS Unit Hydrograph, a minimum time of concentration of 10 minutes, separate runoff calculations for

impervious and pervious areas, and dynamic storage and conveyance routing to account for any variable tailwater conditions.

4.2 SOUTH FLORIDA WATER MANAGEMENT DISTRICT (SFWMD) STORMWATER DESIGN PARAMETERS

The stormwater management for the site falls under the jurisdiction of SFWMD and is eligible for a FDEP 10/2 General permit as the project is less than 10 acres and the total impervious area for the development is less than 2 acres. As a 10/2 eligible project, the project must meet the SFWMD requirements for stormwater design. The design criteria are as follows:

- NRCS Method
- Allowable post-development discharge based on the SFWMD 25-year, 3-day storm pre-development conditions.
- The contributing parcel shall provide stormwater treatment for a volume equal to 1-inch over the entirety of the parcel or 2.5-inches over the impervious area. Retention systems shall provide 50% additional treatment volume.
- The full treatment volume shall be recovered within 72 hours.
- Minimum time of concentration is 10 minutes.

4.3 SUBSURFACE STORMWATER INVESTIGATION

A double ring infiltrometer (DRI) test report was conducted by ECS Florida, LLC on April 17, 2025. A total of two (2) tests were performed and all proposed stormwater facilities meet or exceed the minimum separation depth from seasonal high groundwater. The tested infiltration rates are summarized in the table below were in the vicinity of the above ground detention area. The full investigation report and testing results can be found in **Appendix C** of this report.

TABLE 5: DRI TEST RESULTS

DRI Test Number	Tested Infiltration Rate (IN/HR)	Design Infiltration Rate (IN/HR)*	Basin Design
DRI-01	45.1	22.55**	P-1A
DRI-02	40.4	20.20**	PD-1A; PD-2A; PD-3A

** A factor of safety of 2 was used to determine the design infiltration rate*
*** A maximum infiltration rated of 15 IN/HR (30 FT/DAY) was used for pond drawdown calculations.*

5.0 PROJECT ANALYSIS RESULTS

5.1 STORMWATER QUANTITY CONTROL

Runoff is controlled through the implementation of a stormwater management system that is inclusive of four (4) interconnected stormwater infiltration basin areas. The required storm events are completely retained within the infiltration system with larger storm events overflowing to the adjacent roadside ditches in the Elva Avenue North and 4th Street West rights-of-way. Runoff is directed to the stormwater basin areas via overland flow and direct discharge from roof leader connections. As shown in **Table 6** below, the proposed stormwater system maintains or lowers the discharge rates from pre-development conditions for the SFWMD required storm events.

TABLE 6: DISCHARGE COMPARISON

Storm Event	Existing Discharge (CFS)	Proposed Discharge (CFS)
25-year, 3-day	1.71	0.00

5.2 STORMWATER TREATMENT

In accordance with SFWMD Stormwater volumetric requirements for a dry infiltration pond, the treatment volume shall be provided within the pond equal to the first inch of rainfall over the entirety of the site or for the first 2.5 inches of rainfall over the impervious area, whichever is greater. Per the calculations shown in **Table 7**, the required treatment volume is equal to the first 2.5 inches of rainfall over the impervious area.

TABLE 7: STORMWATER TREATMENT VOLUMES REQUIREMENTS

Required Treatment (IN)	Site Area (SF)	Required Treatment (FT)	Impervious Coverage (%)	Retention Multiplier	Total Volume (CF)	Proposed Volume (CF)
1" Over Entire Site	44,585	0.08	-	1.5	5,573	7,595
2.5" Over Impervious Area	44,585	0.21	0.54	1.5	**7,562**	**7,595**

Table 8 shows compliance with the SFWMD basin recovery requirements. The basin facilities were slug-loaded with the water quality volume and its drawdown analyzed by how long it took the basin to return to full available volume.

TABLE 8: RECOVERY REQUIREMENTS

Required Recovery (HR)	Proposed Recovery (HR)
24.50	0.50

5.3 ROADSIDE DITCH DESIGN

The proposed sidewalk will impact the existing ditches within the Lee County right-of-way for Elva Avenue North and 4th Street West. The proposed improvements call for ditches to be regraded per the standards laid out in the FDOT Drainage Manual Chapter 2. The roadside ditches are designed for the 10-year storm utilizing the Rational Method. As shown in **Table 9** below, the regraded ditches provide capacity for the design elevation while providing a minimal freeboard between the peak elevation of the design storm and the adjacent roadway. The full calculations are provided in **Appendix D**.

TABLE 9: DRAINAGE DITCH DESIGN

Drainage Ditch	Contributing Drainage Area (SF) (See Appendix E)	Bottom / Top of Ditch Elevation (FT)	Maximum Front Slope / Maximum Back Slope	10-Year HGL Elevation (FT)	Minimum Adjacent Roadway Elevation (FT)	Freeboard (FT)	Maximum Velocity (FPS)
PD-1A	4,912	23.65 / 24.65	4H:1V / 4H:1V (6H:1V 2FT off Back of Sidewalk)	23.86	24.37	0.77	1.01
PD-1B	2,209	23.90 / 24.90	4H:1V / 4H:1V (6H:1V 2FT off Back of Sidewalk)	23.74	24.37	0.89	1.25
PD-2A	1,853	22.90 / 24.82	4H:1V / 4H:1V (6H:1V 2FT off Back of Sidewalk)	23.35	24.02	0.94	1.20
PD-2B	1,404	23.25 / 24.25	4H:1V / 4H:1V (6H:1V 2FT off Back of Sidewalk)	23.59	24.02	0.90	0.43
PD-3A	135	22.90 / 23.90	4H:1V / 4H:1V (6H:1V 2FT off Back of Sidewalk)	20.27	24.68	0.94	<2.0
PD-3B	2,487	22.90 / 23.90	4H:1V / 4H:1V (6H:1V 2FT off Back of Sidewalk)	19.86	23.85	0.94	<2.0

5.4 MINIMUM ELEVATIONS

The below **Table 10** shows the maximum elevations for the 100-Year, 3-Day and the 10-Year, 1-Day Storm and shows compliance that the minimum finished floor elevation and parking lot elevation exceed the storms, respectively. The corresponding calculations are provided in **Appendix C**.

TABLE 10: MINIMUM ELEVATION COMPLIANCE

Elevations	Storm	Maximum Storage Elevation	Minimum Proposed Elevation	Compliant
Finished Floor Elevation	100-Year, 3-Day	22.96	26.50	Y
Parking Lot Elevation	10-Year, 1-Day	21.83	25.00	Y

6.0 CONCLUSIONS

The proposed project complies with all applicable stormwater management regulations and standards. As such, the project is not anticipated to have any adverse impacts or neighboring properties, downstream watercourses, or conveyance systems within the watershed.

APPENDIX A
PROJECT FIGURES

INVENTORY

USGS QUADRANGLE MAP

AERIAL MAP

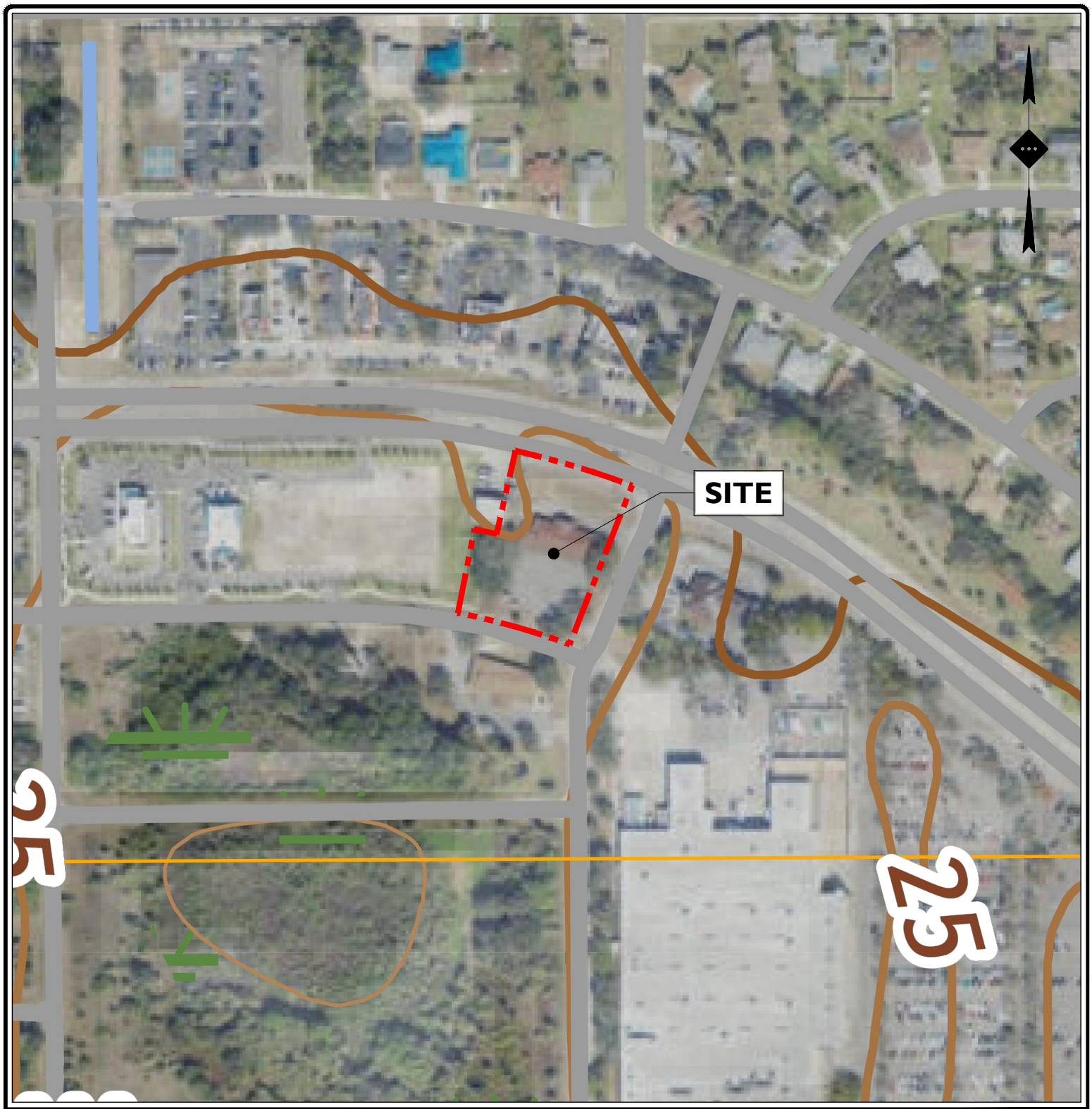
ZONING MAP

FUTURE LAND USE MAP

FEMA MAP

WETLANDS MAP

SOILS MAP



USGS QUADRANGLE MAP

200' 0' 200' 400'

GRAPHIC SCALE IN FEET

1" = 200'

SOURCE: USGS TOPOGRAPHIC MAP, LEHIGH ACRES QUADRANGLE MAPS, 7.5 MINUTE SERIES, FLORIDA, DATED 2025.

PROPOSED EL CAR WASH

PARCEL ID: 25442605000630100 & 25442605000630120
2701 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

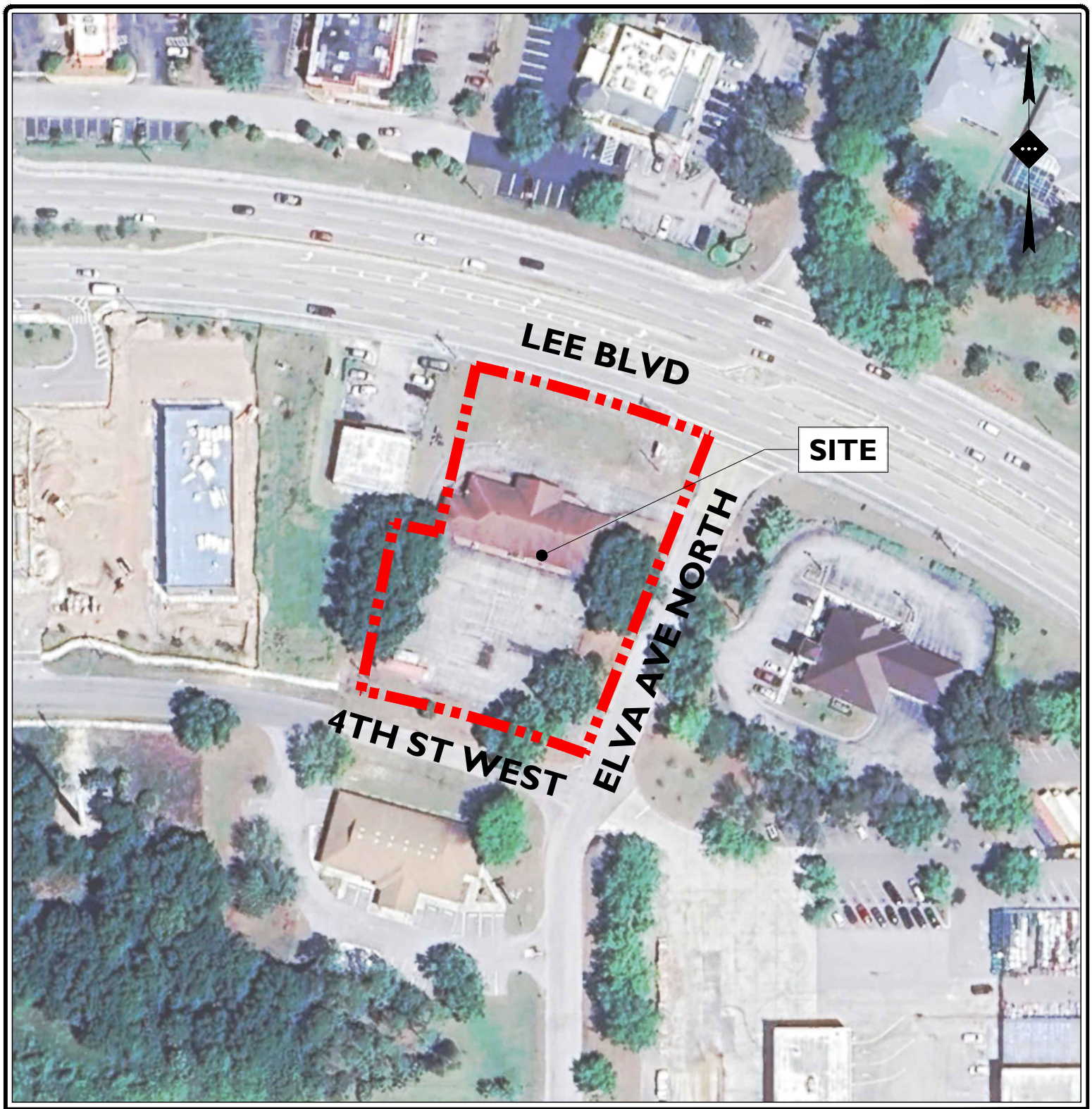
DRAWN BY:	RV
CHECKED BY:	MTP
DATE:	07/07/2025
SCALE:	1" = 200'
PROJECT ID:	TAM-250036

STONEFIELD engineering & design

Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com

Rivergate Tower, 400 N Ashley Drive, Suite 1950, Tampa, FL 33602
Phone 813.792.2200

Z:\Tampa\TAM\2025\TAM-250036 El Car Wash - 2701 Lee Boulevard, Lehigh Acres, FL\CADD\Exhibits\Project Maps\2025-07-07 Project Maps, Lehigh Acres, FL.dwg



AERIAL MAP

100' 0' 100' 200'

GRAPHIC SCALE IN FEET

1" = 100'

SOURCE: GOOGLE EARTH AERIAL, OBTAINED JULY 3, 2025.

PROPOSED EL CAR WASH

PARCEL ID: 25442605000630100 & 25442605000630120
2701 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

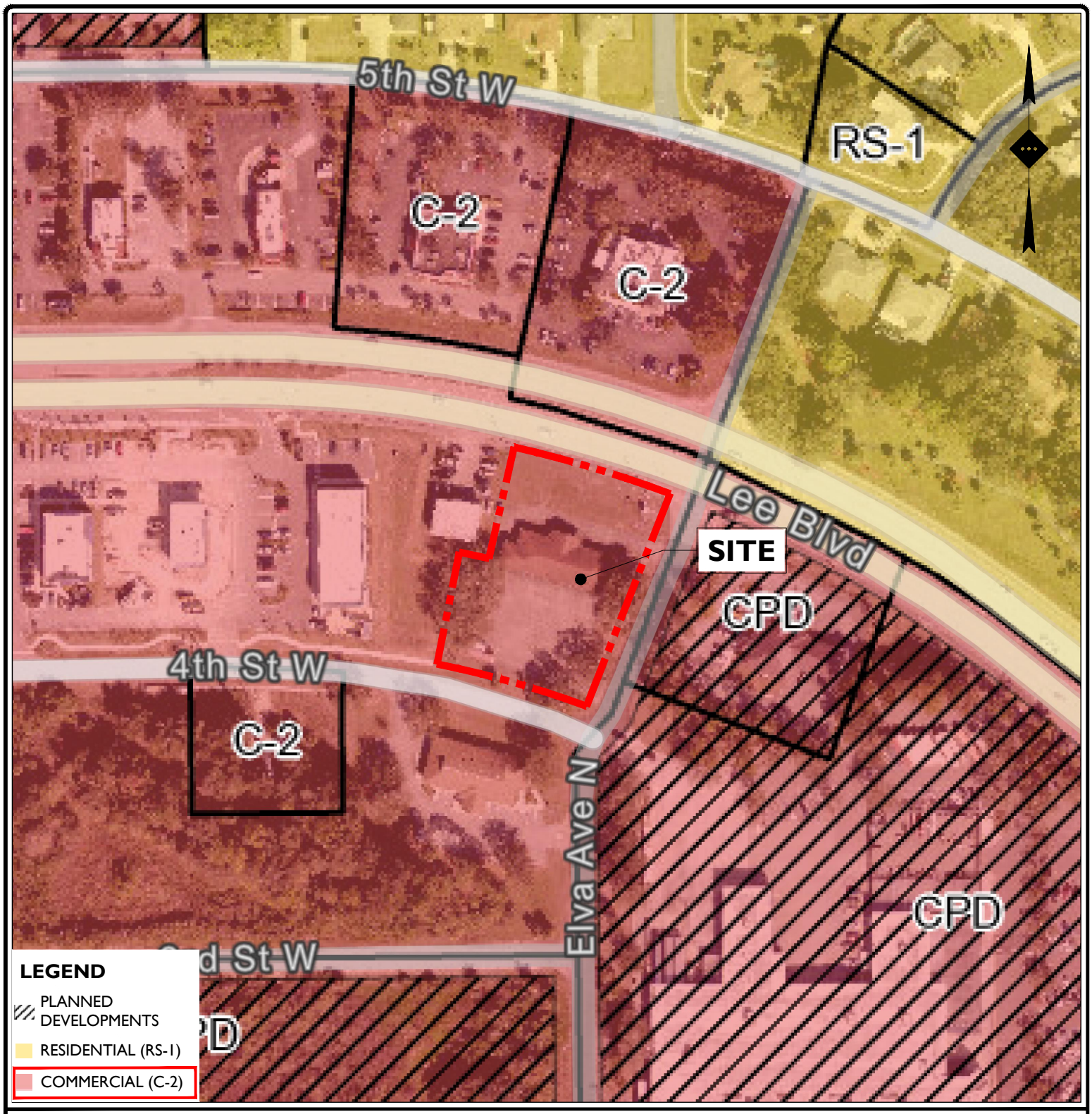
DRAWN BY:	RV
CHECKED BY:	MTP
DATE:	07/07/2025
SCALE:	1" = 100'
PROJECT ID:	TAM-250036

STONEFIELD engineering & design

Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com

Rivergate Tower, 400 N Ashley Drive, Suite 1950, Tampa, FL 33602
Phone 813.792.2200

Z:\Tampa\TAM\2025\TAM-250036 El Car Wash - 2701 Lee Boulevard, Lehigh Acres, FL\CADD\Exhibits\Project Maps\2025-07-07_Project Maps, Lehigh Acres, FL.dwg



ZONING MAP

200' 0' 200' 400'

GRAPHIC SCALE IN FEET

1"=150'

SOURCE: LEE COUNTY ZONING MAP, OBTAINED JULY 2, 2025.

PROPOSED EL CAR WASH

PARCEL ID: 25442605000630100 & 25442605000630120
2701 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

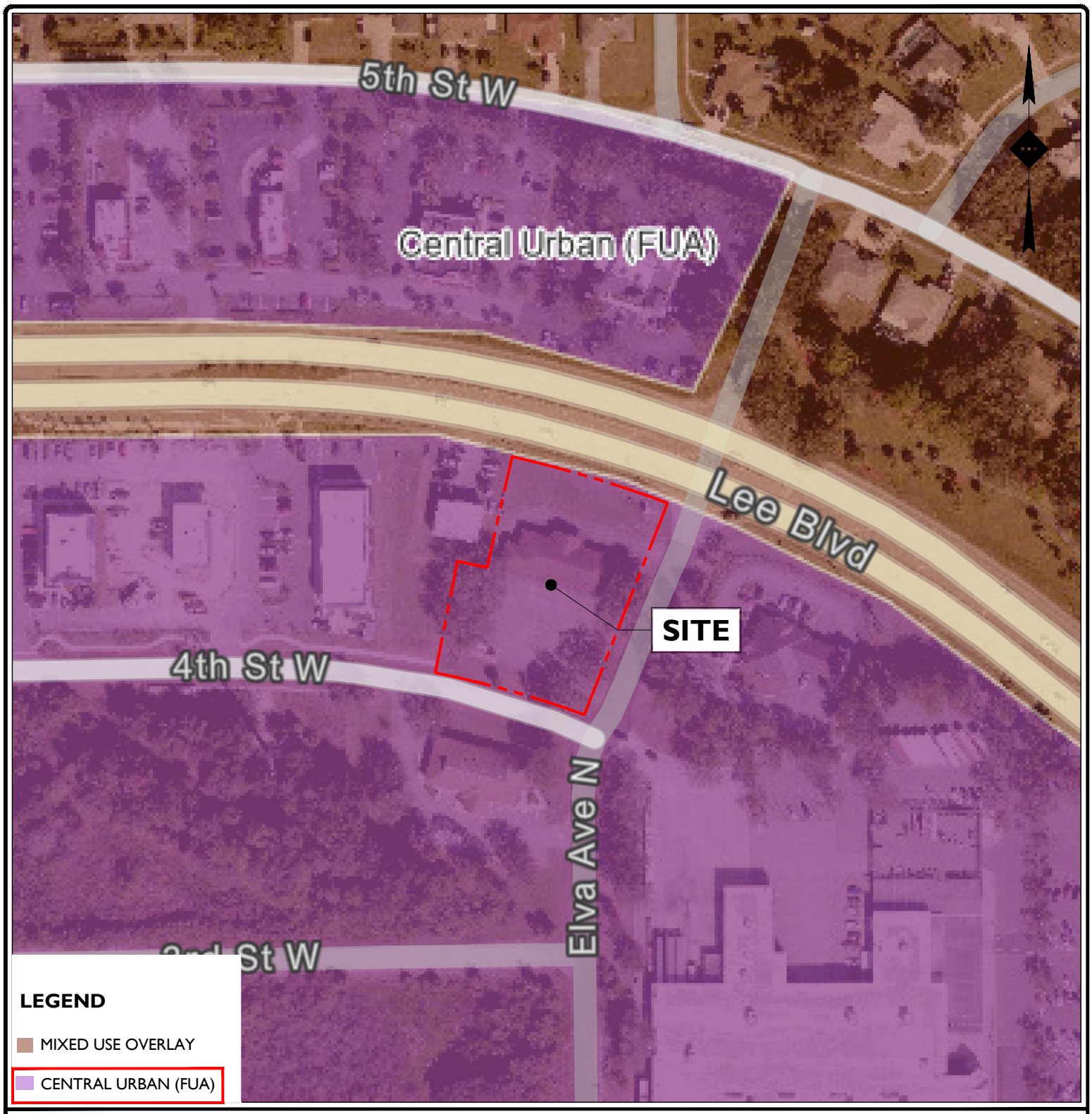
DRAWN BY:	RV
CHECKED BY:	MTP
DATE:	07/07/2025
SCALE:	1" = 200'
PROJECT ID:	TAM-250036

STONEFIELD engineering & design

Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com

Rivergate Tower, 400 N Ashley Drive, Suite 1950, Tampa, FL 33602
Phone 813.792.2200

Z:\Tampa\TAM\2025\TAM-250036 El Car Wash - 2701 Lee Boulevard, Lehigh Acres, FL\CADD\Exhibits\Project Maps\2025-07-07 Project Maps, Lehigh Acres, FL.dwg



FUTURE LAND USE MAP

200' 0' 200' 400'

GRAPHIC SCALE IN FEET

1"=150'

SOURCE: LEE COUNTY FUTURE LAND USE MAP, OBTAINED JULY 2, 2025.

PROPOSED EL CAR WASH

PARCEL ID: 25442605000630100 & 25442605000630120
2701 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

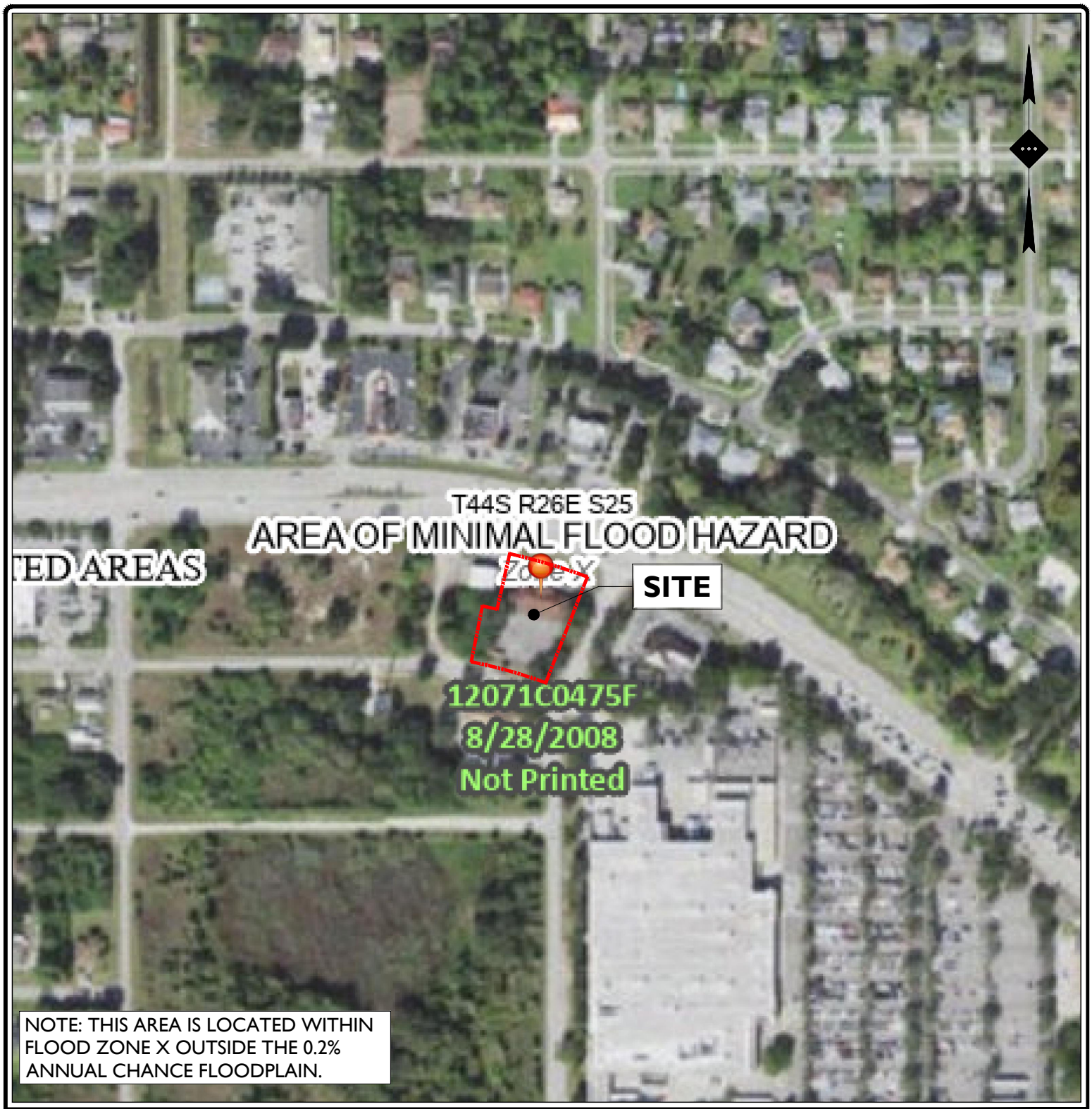
DRAWN BY:	RV
CHECKED BY:	MTP
DATE:	07/07/2025
SCALE:	1" = 200'
PROJECT ID:	TAM-250036

STONEFIELD engineering & design

Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com

Rivergate Tower, 400 N Ashley Drive, Suite 1950, Tampa, FL 33602
Phone 813.792.2200

Z:\Tampa\TAM\2025\TAM-250036 El Car Wash - 2701 Lee Boulevard, Lehigh Acres, FL\CADD\Exhibits\Project Maps\2025-07-07_Project Maps, Lehigh Acres, FL.dwg



FEMA MAP

300' 0' 300' 600'

GRAPHIC SCALE IN FEET

1"= 300'

SOURCE: FEMA FIRM NO. 12071C0475F DATED AUGUST 28, 2008.

PROPOSED EL CAR WASH

PARCEL ID: 25442605000630100 & 25442605000630120
2701 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

DRAWN BY:	RV
CHECKED BY:	MTP
DATE:	07/07/2025
SCALE:	1" = 300'
PROJECT ID:	TAM-250036

STONEFIELD engineering & design

Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com

Rivergate Tower, 400 N Ashley Drive, Suite 1950, Tampa, FL 33602
Phone 813.792.2200

Z:\Tampa\TAM\2025\TAM-250036 El Car Wash - 2701 Lee Boulevard, Lehigh Acres, FL\CADD\Exhibits\Project Maps\2025-07-07_Project Maps, Lehigh Acres, FL.dwg



WETLANDS MAP

200' 0' 200' 400'

GRAPHIC SCALE IN FEET
1" = 200'

SOURCE: U.S. FISH AND WILDLIFE SERVICE, NATIONAL WETLANDS INVENTORY, OBTAINED JULY 2, 2025.

PROPOSED EL CAR WASH

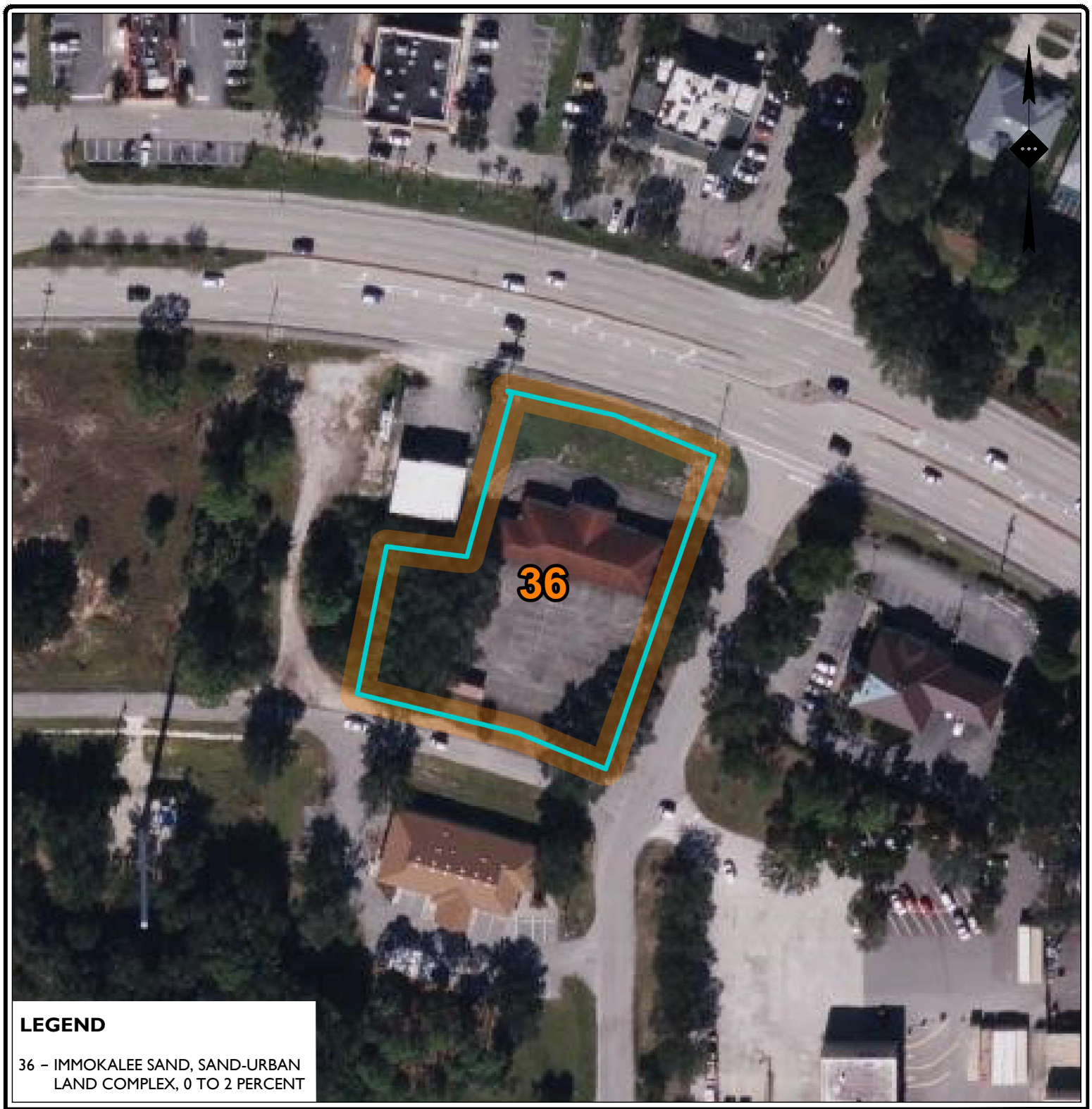
PARCEL ID: 25442605000630100 & 25442605000630120
2701 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

DRAWN BY:	RV
CHECKED BY:	MTP
DATE:	07/07/2025
SCALE:	1" = 200'
PROJECT ID:	TAM-250036

STONEFIELD engineering & design
Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com

Rivergate Tower, 400 N Ashley Drive, Suite 1950, Tampa, FL 33602
Phone 813.792.2200

Z:\Tampa\TAM\2025\TAM-250036 El Car Wash - 2701 Lee Boulevard, Lehigh Acres, FL\CADD\Exhibits\Project Maps\2025-07-07 Project Maps, Lehigh Acres, FL.dwg



LEGEND

36 – IMMOKALEE SAND, SAND-URBAN LAND COMPLEX, 0 TO 2 PERCENT

SOILS MAP

100' 0' 100' 200'

GRAPHIC SCALE IN FEET
1" = 100'

SOURCE: U.S. DEPARTMENT OF AGRICULTURE NRCS WEB SOIL SURVEY, OBTAINED JULY 2, 2025.

PROPOSED EL CAR WASH

PARCEL ID: 25442605000630100 & 25442605000630120
2701 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

DRAWN BY:	RV
CHECKED BY:	MTP
DATE:	07/07/2025
SCALE:	1" = 100'
PROJECT ID:	TAM-250036

STONEFIELD engineering & design

Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com

Rivergate Tower, 400 N Ashley Drive, Suite 1950, Tampa, FL 33602
Phone 813.792.2200

Z:\Tampa\TAM\2025\TAM-250036 El Car Wash - 2701 Lee Boulevard, Lehigh Acres, FL\CADD\Exhibits\Project Maps\2025-07-07 Project Maps, Lehigh Acres, FL.dwg

APPENDIX B
NRCS COUNTY SOIL SURVEY

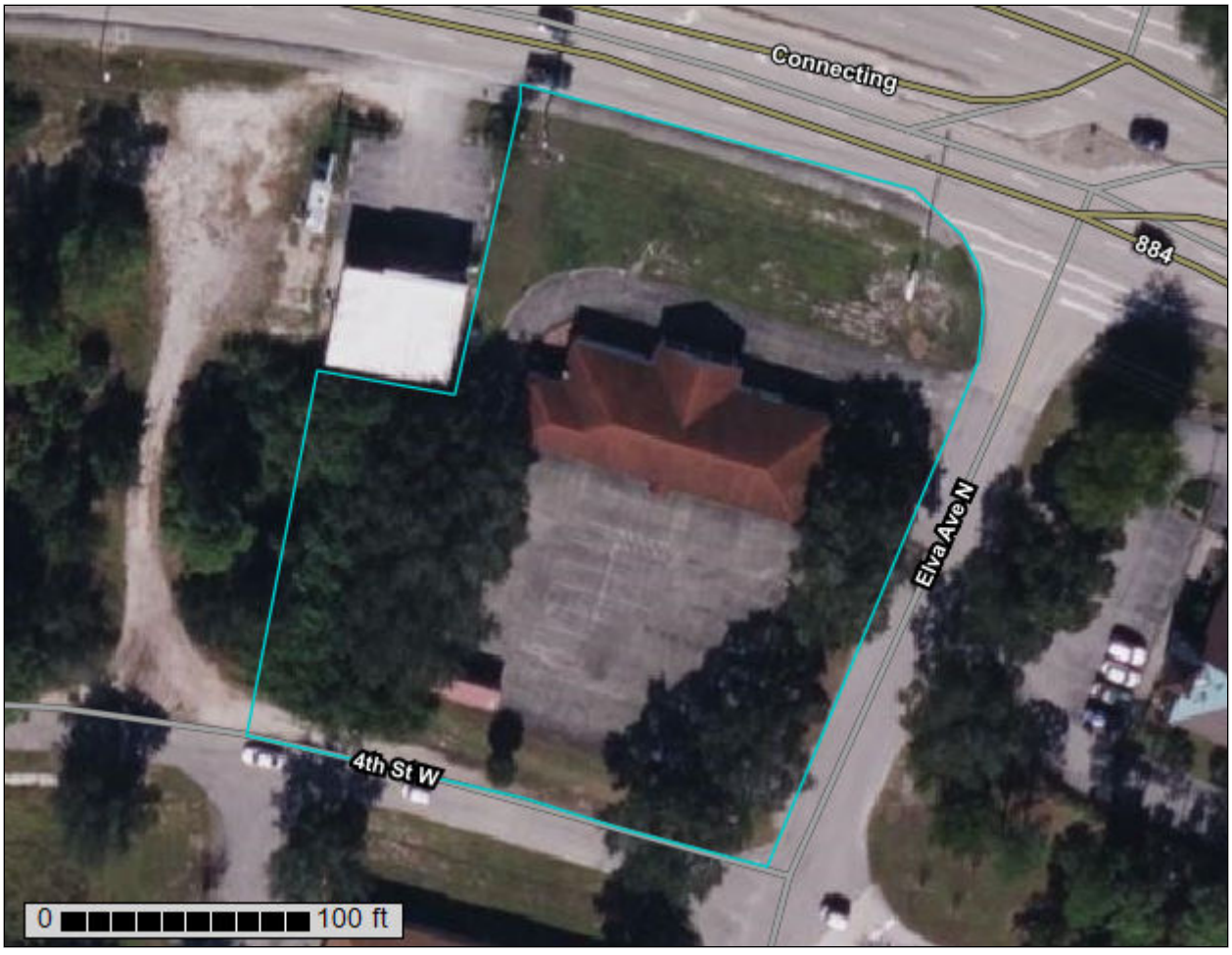
United States Department of Agriculture

NRCS

Natural Resources Conservation Service

A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

Custom Soil Resource Report for Lee County, Florida



July 2, 2025

Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (https://offices.sc.egov.usda.gov/locator/app?agency=nrcs) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or a part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.) Persons with disabilities who require

alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD). To file a complaint of discrimination, write to USDA, Director, Office of Civil Rights, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410 or call (800) 795-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity provider and employer.

Contents

Preface..... 2
Soil Map..... 5
Soil Map.....6
Legend.....7
Map Unit Legend..... 8
Map Unit Descriptions..... 8
Lee County, Florida.....10
36—Immokalee sand-Urban land complex, 0 to 2 percent slopes.....10
Soil Information for All Uses.....14
Soil Properties and Qualities..... 14
Soil Physical Properties..... 14
Saturated Hydraulic Conductivity (Ksat).....14
Soil Qualities and Features.....17
Depth to Bedrock.....17
Hydrologic Soil Group..... 21
Water Features..... 25
Depth to Water Table.....25
References.....30

Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

Custom Soil Resource Report
Soil Map



Map Scale: 1:3,000 if printed on A portrait (8.5" x 11") sheet.

N

Meters: 0 40 80 160 240

Feet: 0 100 200 400 600

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
36	Immokalee sand-Urban land complex, 0 to 2 percent slopes	1.4	100.0%
Totals for Area of Interest		**1.4**	**100.0%**

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however,

onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Lee County, Florida

36—Immokalee sand-Urban land complex, 0 to 2 percent slopes

Map Unit Setting

National map unit symbol: 2x9c1
Elevation: 0 to 150 feet
Mean annual precipitation: 42 to 68 inches
Mean annual air temperature: 70 to 77 degrees F
Frost-free period: 355 to 365 days
Farmland classification: Not prime farmland

Map Unit Composition

Immokalee and similar soils: 43 percent
Urban land: 35 percent
Minor components: 22 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Immokalee

Setting

Landform: Flatwoods on marine terraces
Landform position (three-dimensional): Riser, talf
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Sandy marine deposits

Typical profile

A - 0 to 9 inches: sand
E - 9 to 36 inches: sand
Bh - 36 to 55 inches: sand
C - 55 to 80 inches: sand

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Poorly drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 1.98 in/hr)
Depth to water table: About 6 to 18 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 4.0
Available water supply, 0 to 60 inches: Very low (about 3.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 4w
Hydrologic Soil Group: B/D
Ecological site: F155XY120FL - Sandy Flatwoods and Hammocks
Forage suitability group: Sandy soils on flats of mesic or hydric lowlands (G155XB141FL)

Other vegetative classification: Sandy soils on flats of mesic or hydric lowlands (G155XB141FL), South Florida Flatwoods (R155XY003FL)
Hydric soil rating: No

Description of Urban Land

Setting

Landform: Flatwoods on marine terraces
Landform position (three-dimensional): Riser, talf
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: No parent material

Interpretive groups

Land capability classification (irrigated): None specified
Ecological site: F155XY120FL - Sandy Flatwoods and Hammocks
Forage suitability group: Forage suitability group not assigned (G155XB999FL)
Other vegetative classification: Forage suitability group not assigned (G155XB999FL)
Hydric soil rating: Unranked

Minor Components

Basinger

Percent of map unit: 5 percent
Landform: Depressions on marine terraces
Landform position (three-dimensional): Tread, dip
Down-slope shape: Linear, concave
Across-slope shape: Linear, concave
Ecological site: R155XY070FL - Sandy Freshwater Isolated Marshes and Swamps
Other vegetative classification: Sandy soils on flats of mesic or hydric lowlands (G155XB141FL)
Hydric soil rating: Yes

Oldsmar

Percent of map unit: 4 percent
Landform: Flatwoods on marine terraces
Landform position (three-dimensional): Talf
Down-slope shape: Convex
Across-slope shape: Linear
Ecological site: F155XY120FL - Sandy Flatwoods and Hammocks
Other vegetative classification: Sandy soils on flats of mesic or hydric lowlands (G155XB141FL), South Florida Flatwoods (R155XY003FL)
Hydric soil rating: No

Pomello

Percent of map unit: 4 percent
Landform: Ridges on marine terraces, knolls on marine terraces
Landform position (two-dimensional): Summit, backslope
Landform position (three-dimensional): Side slope, interfluve, riser
Down-slope shape: Convex
Across-slope shape: Linear
Ecological site: F155XY150FL - Sandy Flatwoods and Hammocks on Rises and Knolls of Mesic Uplands
Other vegetative classification: Sandy soils on rises and knolls of mesic uplands (G155XB131FL), Sand Pine Scrub (R155XY001FL)
Hydric soil rating: No

Satellite

Percent of map unit: 2 percent
Landform: Flatwoods on marine terraces
Landform position (three-dimensional): Tread, talf
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: F155XY150FL - Sandy Flatwoods and Hammocks on Rises and Knolls of Mesic Uplands
Other vegetative classification: Sand Pine Scrub (R155XY001FL), Sandy soils on rises and knolls of mesic uplands (G155XB131FL)
Hydric soil rating: No

Immokalee

Percent of map unit: 2 percent
Landform: Flatwoods on marine terraces
Landform position (three-dimensional): Riser, talf
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: F155XY120FL - Sandy Flatwoods and Hammocks
Other vegetative classification: Sandy soils on flats of mesic or hydric lowlands (G155XB141FL), South Florida Flatwoods (R155XY003FL)
Hydric soil rating: No

Felda

Percent of map unit: 2 percent
Landform: Flatwoods on marine terraces
Landform position (three-dimensional): Tread, talf
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: R155XY080FL - Sandy over Loamy Freshwater Isolated Marshes and Swamps
Other vegetative classification: Slough (R155XY011FL), Sandy over loamy soils on flats of hydric or mesic lowlands (G155XB241FL)
Hydric soil rating: Yes

Brynwood

Percent of map unit: 2 percent
Landform: Flatwoods on marine terraces
Landform position (three-dimensional): Tread, talf
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: F155XY120FL - Sandy Flatwoods and Hammocks
Other vegetative classification: Sandy soils on flats of mesic or hydric lowlands (G155XB141FL), South Florida Flatwoods (R155XY003FL)
Hydric soil rating: Yes

Jenada

Percent of map unit: 1 percent
Landform: Flats on marine terraces
Landform position (three-dimensional): Tread, dip
Down-slope shape: Linear
Across-slope shape: Linear, concave
Ecological site: R155XY070FL - Sandy Freshwater Isolated Marshes and Swamps
Other vegetative classification: Sandy soils on stream terraces, flood plains, or in depressions (G155XB145FL), Slough (R155XY011FL)
Hydric soil rating: Yes

Soil Information for All Uses

Soil Properties and Qualities

The Soil Properties and Qualities section includes various soil properties and qualities displayed as thematic maps with a summary table for the soil map units in the selected area of interest. A single value or rating for each map unit is generated by aggregating the interpretive ratings of individual map unit components. This aggregation process is defined for each property or quality.

Soil Physical Properties

Soil Physical Properties are measured or inferred from direct observations in the field or laboratory. Examples of soil physical properties include percent clay, organic matter, saturated hydraulic conductivity, available water capacity, and bulk density.

Saturated Hydraulic Conductivity (Ksat)

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.

Custom Soil Resource Report
Map—Saturated Hydraulic Conductivity (Ksat)



Map Scale: 1:3,000 if printed on A portrait (8.5" x 11") sheet.

N

Meters: 0 40 80 160 240

Feet: 0 100 200 400 600

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

= 92.0000

Not rated or not available

Soil Rating Lines

= 92.0000

Not rated or not available

Soil Rating Points

= 92.0000

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 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.

Table—Saturated Hydraulic Conductivity (Ksat)

Map unit symbol	Map unit name	Rating (micrometers per second)	Acres in AOI	Percent of AOI
36	Immokalee sand-Urban land complex, 0 to 2 percent slopes	92.0000	1.4	100.0%
Totals for Area of Interest			**1.4**	**100.0%**

Rating Options—Saturated Hydraulic Conductivity (Ksat)

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): Surface Layer (Not applicable)

Soil Qualities and Features

Soil qualities are behavior and performance attributes that are not directly measured, but are inferred from observations of dynamic conditions and from soil properties. Example soil qualities include natural drainage, and frost action. Soil features are attributes that are not directly part of the soil. Example soil features include slope and depth to restrictive layer. These features can greatly impact the use and management of the soil.

Depth to Bedrock

The term bedrock in soil survey refers to a continuous root and water restrictive layer of rock that occurs within the soil profile.

There are many types of restrictions that can occur within the soil profile but this theme only includes the three restrictions that use the term bedrock. These are:

1) Lithic Bedrock

2) Paralithic Bedrock

3) Densic Bedrock

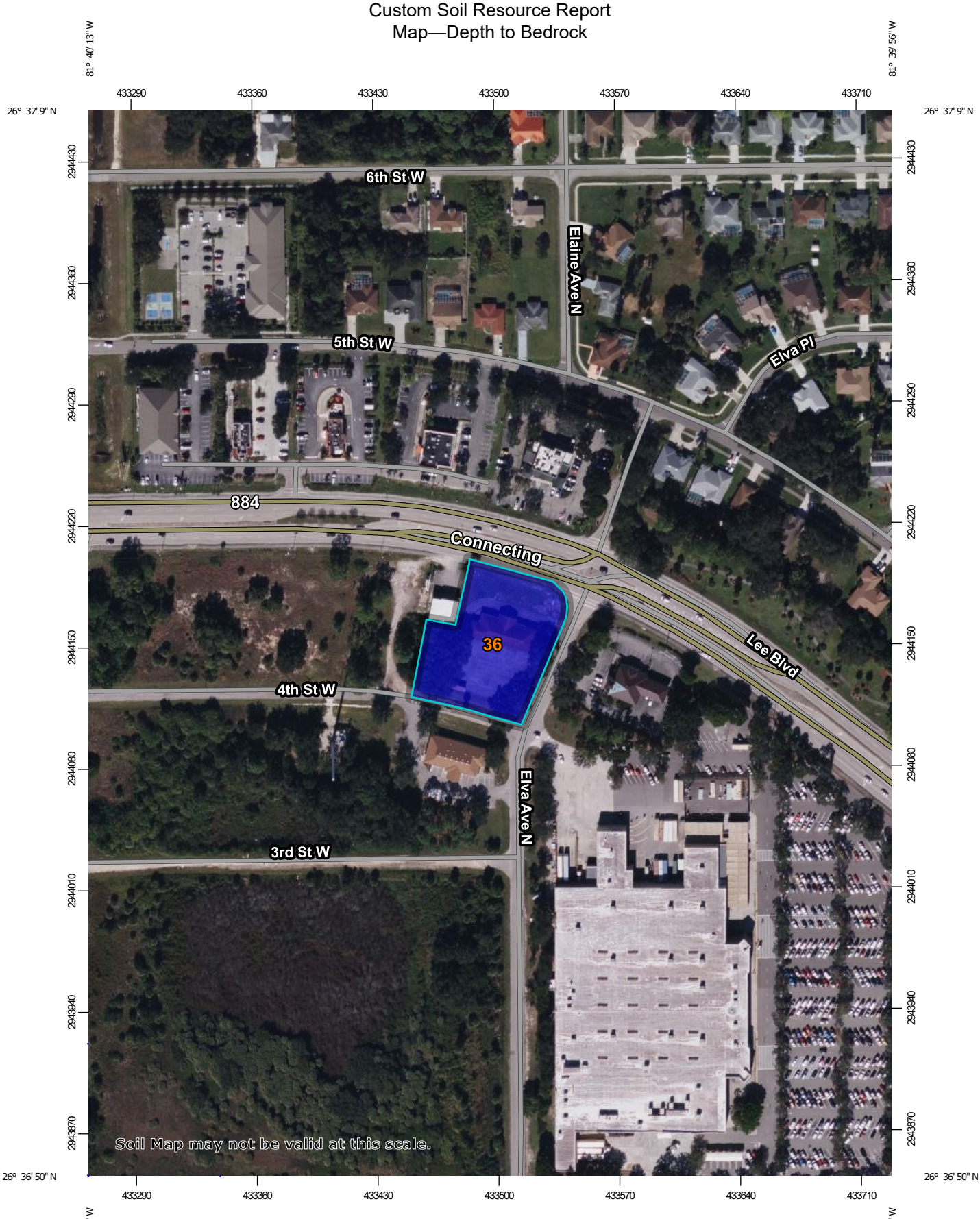
Lithic bedrock and paralithic bedrock are comprised of igneous, metamorphic, and sedimentary rocks, which are coherent and consolidated into rock through pressure, heat, cementation, or fusion. Lithic bedrock represents the hardest type of bedrock, with a hardness of strongly coherent to indurated. Paralithic bedrock has a hardness of extremely weakly coherent to moderately coherent. It can occur as a thin layer of weathered bedrock above harder lithic bedrock. Paralithic bedrock can also be much thicker, extending well below the soil profile.

Densic bedrock represents a unique kind of bedrock recognized within the soil survey. It is non-coherent and consolidated, dense root restrictive material, formed by pressure, heat, and dewatering of earth materials or sediments. Densic bedrock differs from densic materials, which formed under the compaction of glaciers, mudflows, and or human-caused compaction.

If more than one type of bedrock is described for an individual soil type, the depth to the shallowest one is given. If no bedrock is described in a map unit, it is represented by the "greater than 200" depth class.

Depth to bedrock 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.

Custom Soil Resource Report
Map—Depth to Bedrock



Map Scale: 1:3,000 if printed on A portrait (8.5" x 11") sheet.

N

Meters: 0 40 80 160 240

Feet: 0 100 200 400 600

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

0 - 25

25 - 50

50 - 100

100 - 150

150 - 200

> 200

Not rated or not available

Soil Rating Lines

0 - 25

25 - 50

50 - 100

100 - 150

150 - 200

> 200

Not rated or not available

Soil Rating Points

0 - 25

25 - 50

50 - 100

100 - 150

150 - 200

> 200

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 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.

Table—Depth to Bedrock

Map unit symbol	Map unit name	Rating (centimeters)	Acres in AOI	Percent of AOI
36	Immokalee sand-Urban land complex, 0 to 2 percent slopes	>200	1.4	100.0%
Totals for Area of Interest			**1.4**	**100.0%**

Rating Options—Depth to Bedrock

Units of Measure: centimeters

Aggregation Method: Dominant Component

Component Percent Cutoff: None Specified

Tie-break Rule: Lower

Interpret Nulls as Zero: No

Hydrologic Soil Group

Hydrologic soil groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The soils in the United States are assigned to four groups (A, B, C, and D) and three dual classes (A/D, B/D, and C/D). The groups are defined as follows:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

Group D. Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at

or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

If a soil is assigned to a dual hydrologic group (A/D, B/D, or C/D), the first letter is for drained areas and the second is for undrained areas. Only the soils that in their natural condition are in group D are assigned to dual classes.



Map Scale: 1:3,000 if printed on A portrait (8.5" x 11") sheet.

N

Meters: 0 40 80 160 240

Feet: 0 100 200 400 600

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

A

A/D

B

B/D

C

C/D

D

Not rated or not available

Soil Rating Lines

A

A/D

B

B/D

C

C/D

D

Not rated or not available

Soil Rating Points

A

A/D

B

B/D

C

C/D

D

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 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.

Table—Hydrologic Soil Group

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
36	Immokalee sand-Urban land complex, 0 to 2 percent slopes	B/D	1.4	100.0%
Totals for Area of Interest			**1.4**	**100.0%**

Rating Options—Hydrologic Soil Group

Aggregation Method: Dominant Condition

Component Percent Cutoff: None Specified

Tie-break Rule: Higher

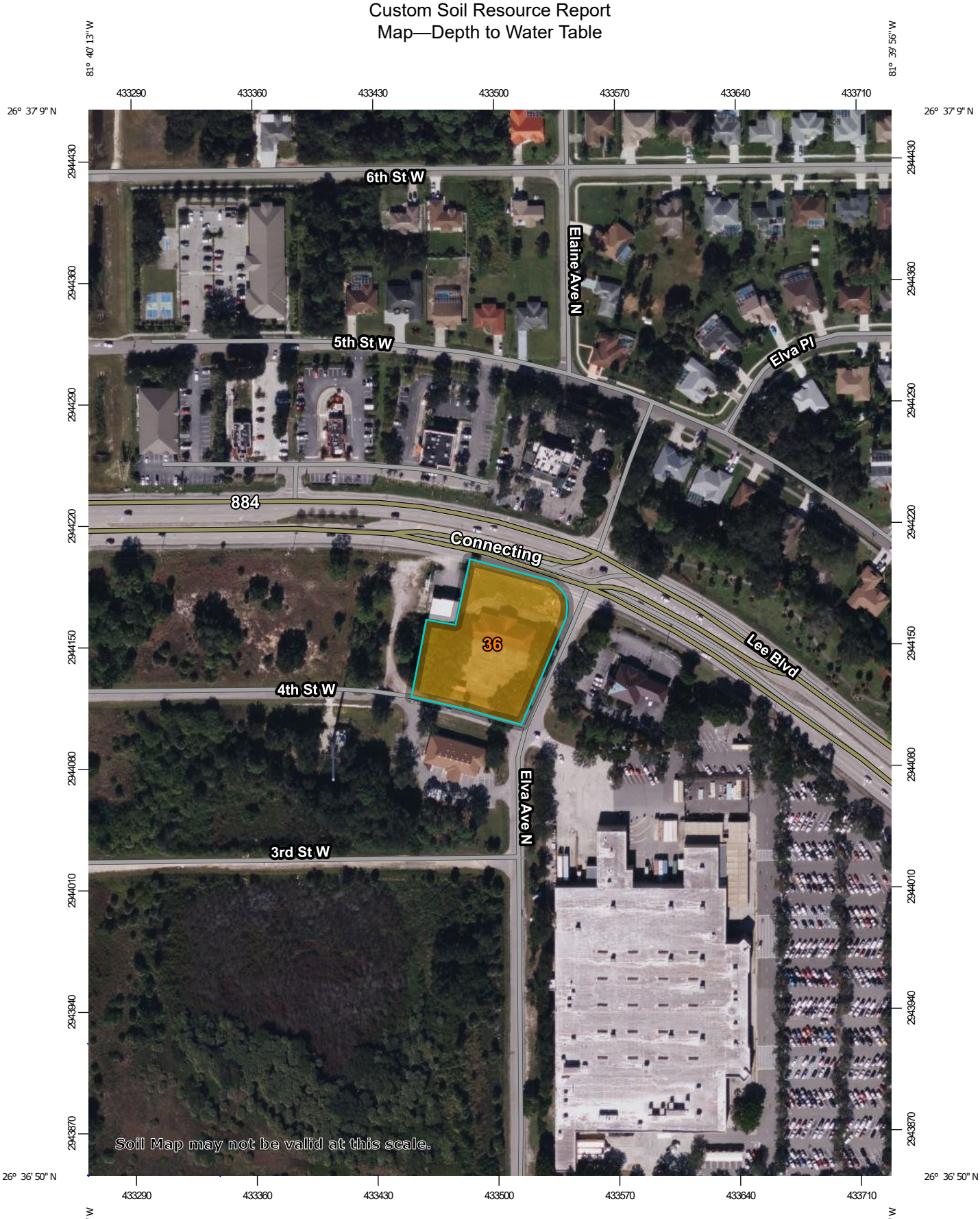
Water Features

Water Features include ponding frequency, flooding frequency, and depth to water table.

Depth to Water Table

"Water table" refers to a saturated zone in the soil. It occurs during specified months. Estimates of the upper limit are based mainly on observations of the water table at selected sites and on evidence of a saturated zone, namely grayish colors (redoximorphic features) in the soil. A saturated zone that lasts for less than a month is not considered a water table.

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.



Map Scale: 1:3,000 if printed on A portrait (8.5" x 11") sheet.

N

Meters: 0 40 80 160 240

Feet: 0 100 200 400 600

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

0 - 25

25 - 50

50 - 100

100 - 150

150 - 200

> 200

Not rated or not available

Soil Rating Lines

0 - 25

25 - 50

50 - 100

100 - 150

150 - 200

> 200

Not rated or not available

Soil Rating Points

0 - 25

25 - 50

50 - 100

100 - 150

150 - 200

> 200

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 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.

Table—Depth to Water Table

Map unit symbol	Map unit name	Rating (centimeters)	Acres in AOI	Percent of AOI
36	Immokalee sand-Urban land complex, 0 to 2 percent slopes	30	1.4	100.0%
Totals for Area of Interest			**1.4**	**100.0%**

Rating Options—Depth to Water Table

Units of Measure: centimeters

Aggregation Method: Dominant Component

Component Percent Cutoff: None Specified

Tie-break Rule: Lower

Interpret Nulls as Zero: No

Beginning Month: January

Ending Month: December

References

American Association of State Highway and Transportation Officials (AASHTO). 2004. Standard specifications for transportation materials and methods of sampling and testing. 24th edition.

American Society for Testing and Materials (ASTM). 2005. Standard classification of soils for engineering purposes. ASTM Standard D2487-00.

Cowardin, L.M., V. Carter, F.C. Golet, and E.T. LaRoe. 1979. Classification of wetlands and deep-water habitats of the United States. U.S. Fish and Wildlife Service FWS/OBS-79/31.

Federal Register. July 13, 1994. Changes in hydric soils of the United States.

Federal Register. September 18, 2002. Hydric soils of the United States.

Hurt, G.W., and L.M. Vasilas, editors. Version 6.0, 2006. Field indicators of hydric soils in the United States.

National Research Council. 1995. Wetlands: Characteristics and boundaries.

Soil Survey Division Staff. 1993. Soil survey manual. Soil Conservation Service. U.S. Department of Agriculture Handbook 18. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_054262

Soil Survey Staff. 1999. Soil taxonomy: A basic system of soil classification for making and interpreting soil surveys. 2nd edition. Natural Resources Conservation Service, U.S. Department of Agriculture Handbook 436. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053577

Soil Survey Staff. 2010. Keys to soil taxonomy. 11th edition. U.S. Department of Agriculture, Natural Resources Conservation Service. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053580

Tiner, R.W., Jr. 1985. Wetlands of Delaware. U.S. Fish and Wildlife Service and Delaware Department of Natural Resources and Environmental Control, Wetlands Section.

United States Army Corps of Engineers, Environmental Laboratory. 1987. Corps of Engineers wetlands delineation manual. Waterways Experiment Station Technical Report Y-87-1.

United States Department of Agriculture, Natural Resources Conservation Service. National forestry manual. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/home/?cid=nrcs142p2_053374

United States Department of Agriculture, Natural Resources Conservation Service. National range and pasture handbook. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/landuse/rangepasture/?cid=stelprdb1043084

United States Department of Agriculture, Natural Resources Conservation Service. National soil survey handbook, title 430-VI. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/scientists/?cid=nrcs142p2_054242

United States Department of Agriculture, Natural Resources Conservation Service. 2006. Land resource regions and major land resource areas of the United States, the Caribbean, and the Pacific Basin. U.S. Department of Agriculture Handbook 296. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053624

United States Department of Agriculture, Soil Conservation Service. 1961. Land capability classification. U.S. Department of Agriculture Handbook 210. http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_052290.pdf

APPENDIX C
GEOTECH REPORT





ECS Florida, LLC

Subsurface Exploration and Geotechnical Engineering Report

Proposed EL Car Wash – Lehigh Acres

2701 Lee Blvd
Lehigh Acres, Lee County, Florida
STRAP No.: 25-44-26-05-00063.0100 & 25-44-26-05-00063.0120

ECS Project No. 60:2560

April 17, 2025

April 17, 2025

Mr. Alejandro Quintana
Director, Development
EL Car Wash
2753 NW 87th Ave
Doral, FL 33172

ECS Project No. 60:2560

Reference: Subsurface Exploration and Geotechnical Engineering Report
Proposed EL Car Wash – Lehigh Acres
2701 Lee Blvd
Lehigh Acres, Lee County, Florida
STRAP No. 25-44-26-05-00063.0100 & 25-44-26-05-00063.0120

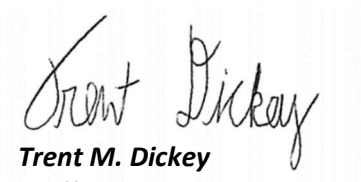
Dear Mr. Quintana:

ECS Florida, LLC (ECS) has completed the subsurface exploration, laboratory testing, and geotechnical engineering analyses for the above-referenced project. Our services were performed in general accordance with our agreed to scope of work. This report presents our understanding of the geotechnical aspects of the project along with the results of the field exploration and laboratory testing conducted, and our foundation design and earthwork construction recommendations.

It has been our pleasure to be of service to EL Car Wash. at 2701 Lee Blvd, Lehigh Acres, Lee County, Florida during the design phase of this project. We would appreciate the opportunity to remain involved during the continuation of the design phase, and we would like to provide our services during construction phase operations as well to verify subsurface conditions assumed for this report. Should you have any questions concerning the information contained in this report, or if we can be of further assistance to you, please contact us.

Respectfully submitted,

ECS Florida, LLC



Trent M. Dickey
Staff Project Manager
tdickey@ecslimited.com

Nemer (Nick) Oweis, P.E.
Senior Principal Engineer
NOweis@ecslimited.com
Registered, FL P.E. 44755

TABLE OF CONTENTS

EXECUTIVE SUMMARY 1
1.0 INTRODUCTION 2
2.0 PROJECT INFORMATION 3
2.1 Project Location/Current Site Use/Past Site Use 3
2.2 Soil Survey Mapping 4
2.3 Proposed Construction 5
3.0 FIELD EXPLORATION AND LABORATORY TESTING 5
3.1 Subsurface Characterization 5
3.2 Groundwater Observations 6
4.0 DESIGN RECOMMENDATIONS 6
4.1 Foundations 6
4.2 Slabs On Grade 7
4.3 Pavements 8
4.4 Stormwater Management and DRI Test Results 9
5.0 SITE CONSTRUCTION RECOMMENDATIONS 10
5.1 Subgrade Preparation 10
5.1.1 Stripping and Grubbing 10
5.1.2 Proofrolling 10
5.1.3 Subgrade Compaction 10
5.1.4 Site Temporary Dewatering 10
5.2 Earthwork Operations 11
5.2.1 Engineered Fill 11
5.3 Foundation and Slab Observations 11
5.4 Utility Installations 12
6.0 CLOSING 13

APPENDICES

Appendix A – Drawings & Reports
- Site Location Diagram
- Boring Location Diagrams
- Subsurface Soil Profile A-A'

Appendix B – Field Operations
- Reference Notes for Boring Logs
- Subsurface Exploration Procedure: Standard Penetration Testing (SPT)
- Boring Logs B-01 & B-02
- Hand Auger Logs HA-01 through HA-07, DHA-01 & DHA-02

Appendix C – Laboratory Testing
- Laboratory Test Results Summary
- DRI Test Results

EXECUTIVE SUMMARY

The following summarizes the main findings of the exploration, particularly those that may have a cost impact on the planned development. Further, our principal foundation recommendations are summarized. Information gleaned from the Executive Summary should not be utilized in lieu of reading the entire geotechnical report.

- Based on the results of the Standard Penetration Test (SPT) borings, we consider the subsurface conditions at the site adaptable for support of the proposed building using conventional shallow foundations consisting of column or strip footings bearing on natural soils or approved engineered fill with an allowable net soil bearing pressure of 2,000 psf.

- The site has been occupied with an existing structure (Gendron Funeral & Cremation Services Inc) since at least 1995. At the time of the drilling the structure was not yet demolished. After demolition, we recommend backhoe excavated test pits be performed prior to construction to verify that all underground structures such as old foundations, utility pipes and tanks and any other buried debris present have been removed.

- The shallow subsurface soil conditions as indicated by the auger boring results are adaptable for support of flexible and rigid pavement sections. The flexible-asphalt and rigid-concrete pavement sections design and subgrade preparation for standard and heavy-duty section recommendations, as described in Section 4.3 of this report should be followed.

- We recommend that ECS be provided the opportunity to review the foundation plans and earthwork specifications to verify that our recommendations have been properly interpreted and implemented. ECS should also be retained to perform the construction material testing and observations required for this project, to verify that our recommendations have been satisfied.

1.0 INTRODUCTION

The purpose of this study was to provide geotechnical information for the design of the proposed development for EL Car Wash. at 2701 Lee Blvd, Lehigh Acres, Lee County, Florida. The recommendations developed for this report are based on project information supplied by El Car Wash.

In preparation of this report, we have been provided with a Site Concept Plan, provided by Stonefield engineering & design, dated March 26, 2025.

Our services were provided in accordance with our Proposal No. 60:3780, dated March 7, 2025, and Change Order No. 1, as authorized by your team on March 25, 2025, which includes our Terms and Conditions of Service between ECS Florida, LLC and EL Car Wash.

The report includes the following items.

- A review of published soils mapping and/or geologic information.
- Description of site conditions including surface drainage, geologic information, and special site features.
- A description of the field exploration and laboratory tests performed.
- Final logs of the soil borings in accordance with industry standard practices for geotechnical engineering. A Boring Location Plan is included.
- The results of the laboratory tests are plotted on the final exploration logs and are included on separate test report page.
- Subsurface cross sections with available topographic information, including sampling, testing data, and groundwater levels.
- Recommended foundation support and type(s).
- Recommendations for slab-on-grade.
- Recommendations for typical pavement support and type(s).
- Recommendations for stormwater management design and DRI tests results.
- Discussion of earthwork construction considerations for compaction, reuse of soils, groundwater, expansive soils, shallow rock, drainage, or other considerations.
- Recommendations for additional subsurface exploration, laboratory testing, and/or consultation that may be required to complete the geotechnical assessment and engineering recommendations.

2.0 PROJECT INFORMATION

2.1 PROJECT LOCATION/CURRENT SITE USE/PAST SITE USE

The proposed location of the new development is located 2701 Lee Blvd, Lehigh Acres, Lee County, Florida as shown below in the figure and identified as Parcel No. 25-44-26-05-00063.0100 & 25-44-26-05-00063.0120 by the Lee County Property Appraiser website.



Site Location

Our review of the available aerials photography indicates the site has been occupied with existing structures (Gendron Funeral & Cremation Services Inc) since at least 1995. Elevations have been interpreted from Google Earth. The site appears to have an elevation of approximately EL. +25. Please note, Google Earth elevations are approximate and have been used solely because site topography is not available. These elevations should not be used for project design.

2.2 SOIL SURVEY MAPPING

Based on the Web Soil Survey for Lee County, Florida, as prepared by the U.S. Department of Agriculture Natural Resource Conservation Service (USDA-NRCS), the predominant soil types existing within the site area boundaries are described in the following table. The site area is illustrated superimposed on the USDA-NRCS Soil Survey Map in the following figure.

Web Soil Survey Data

Soil Type	Constituents	Drainage Class	Water Table
36- Immokalee sand-Urban land complex, 0 to 2 percent slopes	Sand	Poorly drained	6 to 18 inches

Soil mapping of the site vicinity included soil types and numbers are presented in figure below, obtained from the USDA Web Soil site.



Site Soil Survey, Lee County, Florida

2.3 PROPOSED CONSTRUCTION

The following information explains our understanding of the planned development including the proposed buildings and related infrastructure.

SUBJECT	DESIGN INFORMATION / ASSUMPTIONS
# of Stories	One
Footprint	Approximately ±3,678 S.F.
Usage	Car Wash
Framing	Cast-In-Place Concrete & CMU - Presumed
Column Loads*	25 kips – estimated
Wall Loads*	3.5 kips per linear foot (klf) – Estimated
Required Engineered Fill	A maximum of 2 to 3 feet above existing grade – Estimated

*If estimated loads differ from final design loads, this report needs to be revised to update our foundation recommendations, bearing capacity, and settlement calculations.

3.0 FIELD EXPLORATION AND LABORATORY TESTING

Our exploration procedures are explained in greater detail in Appendix B including the insert titled Subsurface Exploration Procedures. Our scope of work included performing two (2) Standard Penetration Test (SPT) soil borings to depths of 20 feet below existing site grade, seven (7) hand auger borings performed to depths of 6 feet below grade, and two (2) DRI tests paired with a hand auger boring each to a depth of 6 feet below grade. The borings were located with a GPS unit and their approximate locations are shown on the Boring Location Diagram (BLD) in Appendix A.

3.1 SUBSURFACE CHARACTERIZATION

The following table provides generalized characterizations of the soil strata. Please refer to the boring logs in Appendix B for more detailed information.

Generalized Subsurface Stratigraphy for SPT Borings

Approximate Depth (ft)	Stratum	Description	Ranges of SPT(1) N-values (bpf)
0 to 17	I	Very Loose to Medium Dense Poorly Graded Sand (i.e., Fine Sand) and Poorly Graded Sand with Clay (i.e., Fine Sand with Clay) (SP/SP-SC)	3 to 19
17 to 20	II	Very Loose Silty Fine Sand and Clayey Fine Sand (SM/SC)	1 to 2

(1) Standard Penetration Testing

The auger borings encountered Poorly Graded Sand and Poorly Graded Sand with Clay (SP/SP-SC) to the termination depths of the borings at 6 feet below existing ground surface.

A graphical presentation of the subsurface conditions at the SPT boring locations is shown on the Subsurface Soil Profiles included in Appendix A.

3.2 GROUNDWATER OBSERVATIONS

Groundwater levels were measured at the boring locations at depths of approximately 4 to 8 feet below existing grade as shown on the soil profiles and boring logs in Appendix B. Variations in the long-term groundwater table may occur because of changes in precipitation, tidal influence, evaporation, surface water runoff, construction activities, and other factors. **Based upon our interpretation of the subsurface data and Web soil survey, we estimate the seasonal high groundwater level to be 1.5 feet above the measured groundwater level as shown on the boring logs.**

4.0 DESIGN RECOMMENDATIONS

4.1 FOUNDATIONS

We recommend the foundation design use the following parameters:

Design Parameter	Column Footing	Wall Footing
Net Allowable Bearing Pressure (1)	2,000 psf	
Acceptable Bearing Soil Material	Stratum I or compacted engineered fill	
Minimum Width	24 inches	18 inches
Minimum Footing Embedment Depth (below slab or finished grade) (2)	18 inches	18 inches
Estimated Maximum Total Settlement (3)	1 inch	1 inch
Estimated Differential Settlement (4)	Less than ½ inches between columns	Less than ½ inches over 50 feet

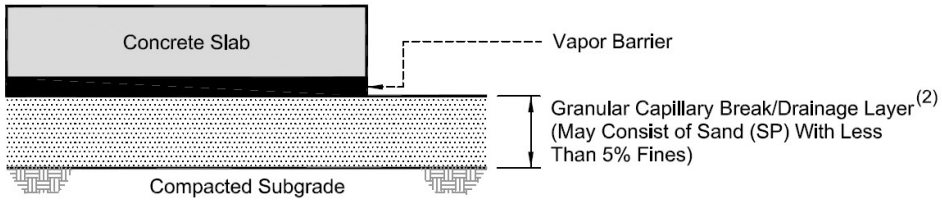
Notes:

(1) Net allowable bearing pressure is the applied pressure in excess of the surrounding overburden soils above the base of the foundation.
(2) For bearing considerations
(3) Based on estimated structural loads. If final loads are different, ECS must be contacted to update foundation recommendations and settlement calculations.
(4) Based on estimated maximum column/wall loads and variability in borings. Differential settlements can be re-evaluated once the foundation plans are more complete.

Our settlement analysis assumes the soils from the bottom of the footing elevation to depths of two feet below the bottom of the footing have been compacted in accordance with the Fill Placement recommendations included within this report.

4.2 SLABS ON GRADE

Provided subgrades and engineered fills are prepared as discussed herein, the proposed floor slabs can be constructed as Ground Supported Slabs (or Slab-On-Grade). It appears that the slabs will bear on Stratum I or compacted engineered fill soils. The following graphic depicts our soil-supported slab recommendations:



1. Drainage Layer Thickness: 4 inches
2. Drainage Layer Material: GRAVEL (GP, GW), SAND (SP, SW)

Soft or yielding soils may be encountered in some areas. Those soils should be removed and replaced with compacted Engineered Fill in accordance with the recommendations included in this report.

Vapor Barrier: Before the placement of concrete, a vapor barrier may be placed on top of the granular drainage layer to provide additional protection against moisture penetration through the floor slab. When a vapor barrier is used, special attention should be given to surface curing of the slab to reduce the potential for uneven drying, curling and/or cracking of the slab. Depending on proposed flooring material types, the structural engineer and/or the architect may choose to eliminate the vapor barrier.

Slab Isolation: Soil-supported slabs should be isolated from the foundations and foundation-supported elements of the structure so that differential movement between the foundations and slab will not induce excessive shear and bending stresses in the floor slab. Where the structural configuration prevents the use of a free-floating slab such as in a drop-down footing/monolithic slab configuration, the slab should be designed with suitable reinforcement and load transfer devices to preclude overstressing of the slab.

4.3 PAVEMENTS

General Recommendations: The recommended pavement thicknesses presented in this report section are considered typical and minimum for the provided parameters in the general site area. We understand that budgetary considerations sometimes warrant thinner pavement sections than those presented. However, the client, the owner, and the project designers should be aware that thinner pavement sections may result in increased maintenance costs and lower than anticipated pavement life. We recommend the following pavement section designs included in the table below:

	Asphalt		Concrete	
Component	**Standard**	**Heavy**	**Standard**	**Heavy**
Stabilized Subgrade	12”	12”	N/A	N/A
Base Course (Crushed Concrete/Limerock)	6”	8”	N/A	N/A
Surface Course	1½”	2”	5”	6”
Maximum Joint Control Spacing	-	-	10’ x 10’	12’ x 12’
Recommended Saw-cut Depth	-	-	1 ¼”	1 ½”

All pavement subgrades should be prepared in accordance with the recommendations presented in Section 5.0 of this report.

In areas where Portland cement concrete pavement is planned, the concrete should be placed upon a minimum of 12 inches of compacted, free draining material and compacted to 98 percent of the Modified Proctor maximum dry density (ASTM D-1557). Dumpster pads should be constructed with Portland cement slabs that extend to the front of the enclosure where wheel loads are high.

In areas where asphaltic concrete pavements are used, we suggest stabilizing the subgrade materials to a minimum Limerock Bearing Ratio (LBR) of 40 percent. All stabilized subgrade materials should be compacted to 98 percent of the Modified Proctor (ASTM D-1557) maximum dry density and meet specification requirements for Type B or Type C Stabilized Subgrade by the Florida Department of Transportation (FDOT). The stabilized subgrade may consist of imported material or a blend of on-site soils and imported materials. If a blend is proposed, we recommend that the contractor performs a mix design to find the optimum mix proportions.

Base Course: Based on the groundwater conditions encountered at the subject property, it is our professional opinion that crushed concrete or limerock is likely to be economical and feasible base course options for this project.

Base course material should follow the FDOT specification for material qualifications and placement. Place base material in maximum six-inch lifts and compact to a minimum density of 98 percent of the Modified Proctor (ASTM D-1557) maximum dry density according to their specification. Perform compliance testing for the base course to a depth of one foot at a frequency of one test per 5,000 square feet, or at a minimum of two test locations, whichever is greater.

Effects of Groundwater: One of the most critical influences on the pavement performance in Southwest Florida is the relationship between the pavement base and the seasonal high groundwater level. Roadways and parking areas that have not considered these effects typically exhibit signs of deterioration due to degradation of the base and the base/surface course bond. Regardless of the type of base selected,

we recommend that the seasonal high groundwater table and the bottom of the base course be separated by at least 18 inches for limerock and 12 inches for crushed concrete. Please note that higher separation between SHGWT and bottom of the base course may be required based on the reviewing agency indication.

Landscape Drains and Curbing: If needed, where landscaped sections are located adjacent to parking lots or driveways, we recommend that edge/strip drains be installed around these landscaped sections to protect the asphalt pavement from excess rainfall and over irrigation. Migration of irrigation water from the landscape areas to the interface between the asphalt and the base usually occurs unless landscape drains are installed. This migration often causes separation of the wearing surface from the base and subsequent rippling and pavement deterioration. The underdrains or strip drains should be routed to a positive outfall at the pavement area catch basins.

It is recommended that curbing around landscaped sections adjacent to parking lots and driveways be constructed with full-depth curb sections. Using extended curb sections which lie directly on top of the final asphalt level, or eliminating curbing entirely, can allow migration of irrigation water from the landscaped areas to the interface between the asphalt and the base. This migration often causes separation of the wearing surface from the base and subsequent rippling and pavement deterioration.

4.4 STORMWATER MANAGEMENT AND DRI TEST RESULTS

Soil Suitability - The Poorly Graded Sand (i.e., Fine Sand) (SP) and Poorly Graded Sand with Clay (i.e., Fine Sand with Clay) (SP-SC) encountered at the boring locations can be used as engineered fill.

It should be anticipated that the soils in the proposed pond areas below the groundwater level will have moisture contents in excess of the Modified Proctor optimum moisture content. This will require stockpiling or spreading to drain the excess moisture. Generally, the wet soils should be dried to bring the soil moisture content within ±2 percent of the soil's optimum moisture content to facilitate placement and compaction.

DRI Test Results - Two (2) Double-Ring Infiltrometer (DRI) tests were performed at the locations of DRI-01 and DRI-02 as shown on the boring location diagram in appendix B. These tests were performed to measure the vertical infiltration rates of the shallow soils within the pond areas.

Infiltration Test Results

Test Location	Test Depth (ft)	Approximate Test EL. (ft)	Infiltration Rate (inches/hour)*
DRI-1	1.5	23.5	45.1
DRI-2	1.5	23.5	40.4

* We recommend a maximum infiltration rate of 15 inch/hour (30 feet/day) be used for pond drawdown calculations.

5.0 SITE CONSTRUCTION RECOMMENDATIONS

5.1 SUBGRADE PREPARATION

5.1.1 Stripping and Grubbing

Prior to subgrade preparation, any existing structures, paved areas, and vegetation that will not be a part of the new development should be razed and removed from the site. The subgrade preparation should consist of stripping and removal, demolition debris, all vegetation, rootmat, topsoil, existing fill, and any soft or unsuitable materials from the 5-foot expanded building and 3-foot expanded pavement limits, and 3 feet beyond the toe of Engineered Fills. Any encountered topsoil and unsuitable surficial materials should be removed prior to the placement of Engineered fill or construction of structures. Additionally, any underground utilities or underground tanks that will not be part of the new construction should be properly capped and abandoned or removed. ECS should be retained to verify that topsoil and unsuitable surficial materials have been removed prior to the placement of Engineered fill or construction of structures. We recommend backhoe excavated test pits be performed prior to construction within the site to determine if any underground structures still remaining after demolition of the existing construction at the site.

5.1.2 Proofrolling

Prior to fill placement or other construction on subgrades, the subgrades should be evaluated by an ECS field technician. The exposed subgrade should be thoroughly proofrolled with construction equipment having a minimum axle load of 20 tons [e.g. fully loaded tandem-axle dump truck]. Proofrolling should be traversed in two perpendicular directions with a minimum of 5 overlapping passes of the vehicle under the observation of an ECS technician. This procedure is intended to assist in identifying any localized yielding materials and to densify the very loose shallow soils.

Where proofrolling identifies areas that are unstable or “pumping” subgrade those areas should be repaired prior to the placement of any subsequent Engineered Fill or other construction materials. Methods of stabilization include undercutting and/or moisture conditioning. The situation should be discussed with ECS to determine the appropriate procedure. Test pits may be excavated to explore the shallow subsurface materials to help in determining the cause of the observed unstable materials, and to assist in the evaluation of appropriate remedial actions to stabilize the subgrade.

5.1.3 Subgrade Compaction

Upon completion of subgrade documentation, the exposed subgrade within the 10-foot expanded building and five-foot expanded pavement limits should be moisture conditioned to within -one and +three % of the soil’s optimum moisture content and be compacted with suitable equipment (minimum 8-ton roller) to a depth of 10 inches. Subgrade compaction within the expanded building and pavement limits should be to a dry density of at least 95 percent of the Modified Proctor maximum dry density (ASTM D1557). ECS should be called on to document that proper subgrade compaction has been achieved.

5.1.4 Site Temporary Dewatering

Because of the need for densification of the soils within the upper 2 feet below the stripped surface, temporary groundwater control measures may be required if the groundwater level is within 2 feet below

the stripped and grubbed surface at the time of construction. Should groundwater control measures become necessary, dewatering methods should be determined by the contractor. We recommend the groundwater control measures, if necessary; remain in place until compaction of the existing soils is completed. The dewatering method should be maintained until backfilling has reached a height of 2 feet above the groundwater level at the time of construction. The site should be graded to direct surface water runoff from the construction area.

5.2 EARTHWORK OPERATIONS

5.2.1 Engineered Fill

Prior to placement of Engineered Fill, representative bulk samples (about 50 pounds) of on-site and/or off-site borrow should be submitted to ECS for laboratory testing, which will typically include Atterberg limits, natural moisture content, grain-size distribution, and moisture-density relationships (i.e., Proctors) for compaction. Import materials should be tested prior to being hauled to the site to determine if they meet project specifications. Alternatively, Proctor data from other accredited laboratories can be submitted if the test results are within the last 90 days.

Satisfactory Engineered Fill Materials: Engineered fill is defined as a non-plastic, inorganic, granular soil having less than 12 percent material passing the No. 200 mesh sieve and containing less than 4 percent organic material. Soils with more than 12 and less than 25 percent passing the No. 200 sieve can also be used as engineered fill but we caution that they may be more difficult to compact due to their nature to retain soil moisture, and may require drying.

ENGINEERED FILL COMPACTION REQUIREMENTS	
Subject	**Requirement**
Compaction Standard	Modified Proctor, ASTM D1557
Required Compaction	95% of Max. Dry Density (general structural fill) 98% of Max. Dry Density (upper one foot below the proposed pavement base course)
Moisture Content	-2 to +3 % points of the soil's optimum value
Loose Thickness	12 inches if vibratory drum roller compaction equipment is used 8 inches if vibratory drum roller is used in static mode 8 inches if track-mounted compaction equipment is used 6 inches if hand-held compaction equipment is used

5.3 FOUNDATION AND SLAB OBSERVATIONS

Protection of Foundation Excavations: Exposure to the environment may weaken the soils at the footing bearing level if the foundation excavations remain open for too long a time. Therefore, foundation concrete should be placed the same day that excavations are made. If the bearing soils are softened by surface water intrusion or exposure, the softened soils must be removed from the foundation excavation bottom immediately prior to placement of concrete. If the excavation must remain open overnight, or if rainfall becomes imminent while the bearing soils are exposed, a 1 to 3-inch thick "mud mat" of "lean" concrete should be placed on the bearing soils before the placement of reinforcing steel.

Footing Subgrade Observations: Most of the soils at the foundation bearing elevation are anticipated to be suitable for support of the proposed structure. It is important to have ECS observe the foundation subgrade prior to placing foundation concrete, to confirm the bearing soils are what was anticipated.

Slab Subgrade Verification: Prior to placement of a drainage layer, the subgrade should be prepared in accordance with the recommendations found in **Section 5.1.2 Proofrolling and Section 5.1.3 Subgrade Compaction.**

5.4 UTILITY INSTALLATIONS

Utility Subgrades: The soils encountered in our exploration are expected to be generally suitable for support of utility pipes. The pipe subgrades should be observed and probed for stability by ECS. Any loose or unsuitable materials encountered should be removed and replaced with suitable compacted Engineered Fill, or pipe stone bedding material.

Utility Backfilling: The granular bedding material (often AASHTO #57 stone) should be at least 4 inches thick, but not less than that specified by the civil engineer's project drawings and specifications. We recommend that the bedding materials be placed up to the springline of the pipe. Fill placed for support of the utilities, as well as backfill over the utilities, should satisfy the requirements for Engineered Fill and Fill Placement.

Excavation Safety: All excavations and slopes should be constructed and maintained in accordance with OSHA excavation safety standards. The contractor is solely responsible for designing, constructing, and maintaining stable temporary excavations and slopes. The contractor's responsible person, as defined in 29 CFR Part 1926, should evaluate the soil exposed in the excavations as part of the contractor's safety procedures. In no case should slope height, slope inclination, or excavation depth, including utility trench excavation depth, exceed those specified in local, state, and federal safety regulations. ECS is providing this information solely as a service to our client. ECS is not assuming responsibility for construction site safety or the contractor's activities; such responsibility is not being implied and should not be inferred.

6.0 CLOSING

ECS has prepared this report to guide the geotechnical-related design and construction aspects of the project. We performed these services in accordance with the standard of care expected of professionals in the industry performing similar services on projects of like size and complexity at this time in the region. No other representation expressed or implied, and no warranty or guarantee is included or intended in this report.

The description of the proposed project is based on information provided to ECS by Client. If any of this information is inaccurate or changes, either because of our interpretation of the documents provided or site or design changes that may occur later, ECS should be contacted so we can review our recommendations and provide additional or alternate recommendations that reflect the proposed construction.

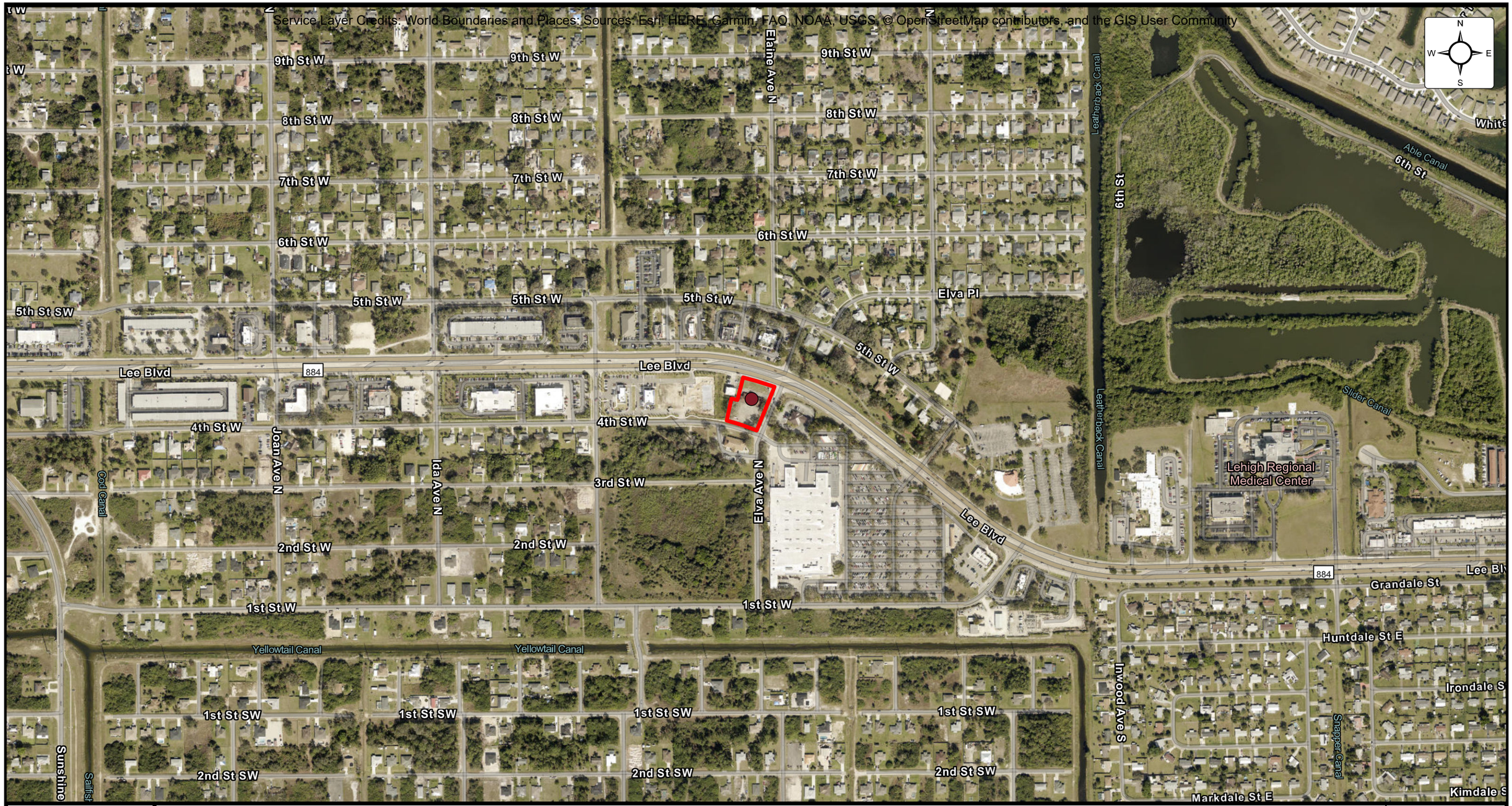
We recommend that ECS review the project plans and specifications so we can confirm that those plans/specifications are in accordance with the recommendations of this geotechnical report.

Field observations, and quality assurance testing during earthwork and foundation installation are an extension of, and integral to, the geotechnical design. We recommend that ECS be retained to apply our expertise throughout the geotechnical phases of construction, and to provide consultation and recommendation should issues arise.

ECS is not responsible for the conclusions, opinions, or recommendations of others based on the data in this report.

Appendix A - Drawings and Reports

Site Location Diagram
Boring Location Diagram(s)
Subsurface Cross-Section(s)



SITE LOCATION DIAGRAM

EL Car Wash - Lehigh Acres

2701 Lee Blvd, Lehigh Acres, Florida
EL Car Wash, LLC

ENGINEER	HP6
SCALE	1" = 500"
PROJECT NO.	60:2560
SHEET	1 OF 2
DATE	4/9/2025

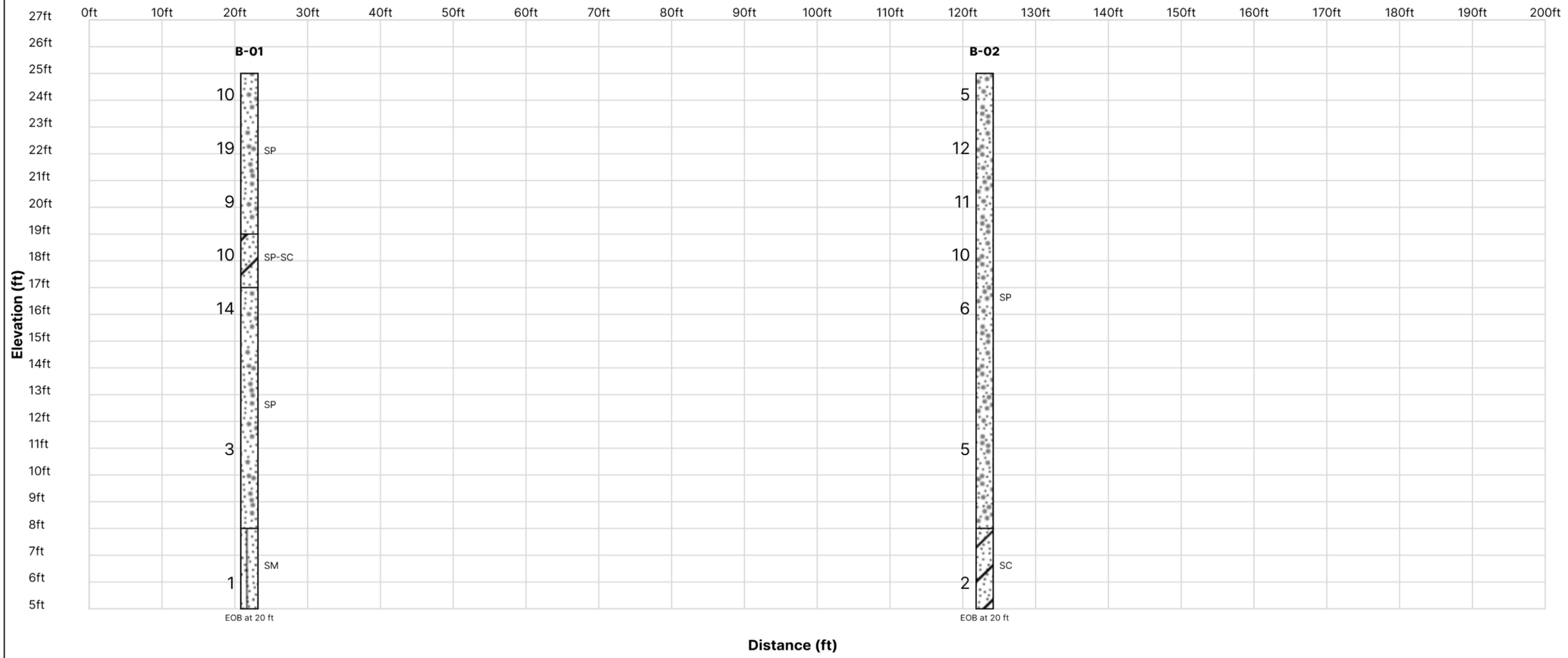
Service Layer Credits: World Boundaries and Places: Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User



BORING LOCATION DIAGRAM
EL Car Wash - Lehigh Acres
2701 Lee Blvd, Lehigh Acres, Florida
EL Car Wash, LLC

ENGINEER	HP6
SCALE	1" = 30'
PROJECT NO.	60:2560
SHEET	2 OF 2
DATE	4/9/2025

Subsurface Cross Section - Page 1 of 1 (0 ft to 200 ft)



CLIENT:	EL Car Wash	PROJECT:	EL Car Wash - Lehigh Acres
DRAWN DATE:	4/17/2025	PROJECT NO.:	60:2560
CHECKED DATE:	4/17/2025	SCALE:	NTS

Notes:

1 - EOB: END OF BORING AR: AUGER REFUSAL SR: SAMPLER REFUSAL
2 - SEE INDIVIDUAL BORING LOG AND GEOTECHNICAL INFORMATION.
3 - STANDARD PENETRATION TEST RESISTANCE (LEFT OF BORING) IN BLOWS PER FOOT (ASTM D1586).
4 - TOPOGRAPHIC INFORMATION IS BASED ON PUBLICLY AVAILABLE DATA (GOOGLE OR CESIUM). THE TOPOGRAPHIC LINE SHOWN BETWEEN BORINGS IS FOR VISUAL REFERENCE ONLY.

PLEASE REFER TO THE REFERENCE NOTES FOR BORING LOGS FOR SYMBOLOGY MEANING AND ADDITIONAL INFORMATION.

Plastic Limit Water Content Liquid Limit X—●—△		WL (First Encountered)		Fill	
[FINES CONTENT %]		WL (Completion)		Possible Fill	
	BOTTOM OF CASING	WL (Estimated Seasonal High Water)		Probable Fill	
100%	LOSS OF CIRCULATION	WL (Stabilized)		WR/Rock	
○	CALIBRATED PENETROMETER				

Appendix B – Field Operations

Reference Notes
Exploration Procedures
Boring Logs
Infiltration/Permeability/Hydraulic Test Results

REFERENCE NOTES FOR BORING LOGS

MATERIAL[1,2]

		ASPHALT
		CONCRETE
		GRAVEL
		TOPSOIL
		VOID
		BRICK
		AGGREGATE BASE COURSE
	GW	WELL-GRADED GRAVEL gravel-sand mixtures, little or no fines
	GP	POORLY-GRADED GRAVEL gravel-sand mixtures, little or no fines
	GM	SILTY GRAVEL gravel-sand-silt mixtures
	GC	CLAYEY GRAVEL gravel-sand-clay mixtures
	SW	WELL-GRADED SAND gravelly sand, little or no fines
	SP	POORLY-GRADED SAND gravelly sand, little or no fines
	SM	SILTY SAND sand-silt mixtures
	SC	CLAYEY SAND sand-clay mixtures
	ML	SILT non-plastic to medium plasticity
	MH	ELASTIC SILT high plasticity
	CL	LEAN CLAY low to medium plasticity
	CH	FAT CLAY high plasticity
	OL	ORGANIC SILT or CLAY non-plastic to low plasticity
	OH	ORGANIC SILT or CLAY high plasticity
	PT	PEAT highly organic soils

DRILLING SAMPLING SYMBOLS & ABBREVIATIONS

SS	Split Spoon Sampler	PM	Pressuremeter Test
ST	Shelby Tube Sampler	RD	Rock Bit Drilling
WS	Wash Sample	RC	Rock Core, NX, BX, AX
BS	Bulk Sample of Cuttings	REC	Rock Sample Recovery %
PA	Power Auger (no sample)	RQD	Rock Quality Designation %
HSA	Hollow Stem Auger		

PARTICLE SIZE IDENTIFICATION

DESIGNATION		PARTICLE SIZES
Boulders		12 inches (300 mm) or larger
Cobbles		3 inches to 12 inches (75 mm to 300 mm)
Gravel:	Coarse	¾ inch to 3 inches (19 mm to 75 mm)
	Fine	4.75 mm to 19 mm (No. 4 sieve to ¾ inch)
Sand:	Coarse	2.00 mm to 4.75 mm (No. 10 to No. 4 sieve)
	Medium	0.425 mm to 2.00 mm (No. 40 to No. 10 sieve)
	Fine	0.074 mm to 0.425 mm (No. 200 to No. 40 sieve)
Silt & Clay ("Fines")		<0.074 mm (smaller than a No. 200 sieve)

COHESIVE SILTS & CLAYS

UNCONFINED COMPRESSIVE STRENGTH, Q_P[4]	SPT[5] (BPF)	CONSISTENCY[7] (COHESIVE)
<0.25	<2	Very Soft
0.25 - <0.50	2 - 4	Soft
0.50 - <1.00	5 - 8	Firm
1.00 - <2.00	9 - 15	Stiff
2.00 - <4.00	16 - 30	Very Stiff
4.00 - 8.00	31 - 50	Hard
>8.00	>50	Very Hard

GRAVELS, SANDS & NON-COHESIVE SILTS

SPT[5]	DENSITY
<5	Very Loose
5 - 10	Loose
11 - 30	Medium Dense
31 - 50	Dense
>50	Very Dense

RELATIVE AMOUNT[7]	COARSE GRAINED (%)[8]	FINE GRAINED (%)[8]
Trace	≤5	≤5
With	10 - 20	10 - 25
Adjective *(ex: "Silty")*	25 - 45	30 - 45

WATER LEVELS[6]

- WL (First Encountered)
- WL (Completion)
- WL (Seasonal High Water)
- WL (Stabilized)

FILL AND ROCK

FILL | POSSIBLE FILL | PROBABLE FILL | ROCK

[1]Classifications and symbols per ASTM D 2488-17 (Visual-Manual Procedure) unless noted otherwise.

[2]To be consistent with general practice, "POORLY GRADED" has been removed from GP, GP-GM, GP-GC, SP, SP-SM, SP-SC soil types on the boring logs.

[3]Non-ASTM designations are included in soil descriptions and symbols along with ASTM symbol [Ex: (SM-FILL)].

[4]Typically estimated via pocket penetrometer or Torvane shear test and expressed in tons per square foot (tsf).

[5]Standard Penetration Test (SPT) refers to the number of hammer blows (blow count) of a 140 lb. hammer falling 30 inches on a 2 inch OD split spoon sampler required to drive the sampler 12 inches (ASTM D 1586). "N-value" is another term for "blow count" and is expressed in blows per foot (bpf). SPT correlations per 7.4.2 Method B and need to be corrected if using an auto hammer.

[6]The water levels are those levels actually measured in the borehole at the times indicated by the symbol. The measurements are relatively reliable when augering, without adding fluids, in granular soils. In clay and cohesive silts, the determination of water levels may require several days for the water level to stabilize. In such cases, additional methods of measurement are generally employed.

[7]Minor deviation from ASTM D 2488-17 Note 14.

[8]Percentages are estimated to the nearest 5% per ASTM D 2488-17.

© 2021 ECS Corporate Services, LLC. All Rights Reserved

SUBSURFACE EXPLORATION PROCEDURE: STANDARD PENETRATION TESTING (SPT) ASTM D 1586 Split-Barrel Sampling

Standard Penetration Testing, or **SPT**, is the most frequently used subsurface exploration test performed worldwide. This test provides samples for identification purposes, as well as a measure of penetration resistance, or N-value. The N-Value, or blow counts, when corrected and correlated, can approximate engineering properties of soils used for geotechnical design and engineering purposes.

SPT Procedure:

- Involves driving a hollow tube (split-spoon) into the ground by dropping a 140-lb hammer a height of 30-inches at desired depth
- Recording the number of hammer blows required to drive split-spoon a distance of 18-24 inches (in 3 or 4 Increments of 6 inches each)



- Auger is advanced* and an additional SPT is performed
- One SPT typically performed for every two to five feet. An approximate 1.5 inch diameter soil sample is recovered.



**Drilling Methods May Vary*— The predominant drilling methods used for SPT are open hole fluid rotary drilling and hollow-stem auger drilling.

CLIENT: **EL Car Wash**	PROJECT NO.: **60:2560**	BORING NO.: **B-01**	SHEET: **1 OF 1**
PROJECT NAME: **EL Car Wash - Lehigh Acres**	DRILLER/CONTRACTOR: **Naples Well Drilling, Inc**		
SITE LOCATION: **2701 Lee Blvd, Lehigh Acres, Florida, 33971**			LOSS OF CIRCULATION
LATITUDE: **26.616483**	LONGITUDE: **-81.667912**	STATION:	SURFACE ELEVATION: **25**	BOTTOM OF CASING

DEPTH (FT)	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE DISTANCE (IN)	SAMPLE RECOVERY (IN)	DESCRIPTION OF MATERIAL	STRATIGRAPHY	WATER LEVELS	ELEVATION (FT)	BLOWS/6" (TCP/MC/SPT-N VALUE)*
0	S-01	SS	24	24	(SP) POORLY GRADED SAND - tannish gray to gray, moist, loose to medium dense , trace roots, trace limestone.			25	2-6-4-6 (10)
	S-02	SS	24	24					9-9-10-11 (19)
5	S-03	SS	24	24				20	6-4-5-9 (9)
	S-04	SS	24	24	(SP-SC) POORLY GRADED SAND WITH CLAY - gray, moist, loose.		▼		5-4-6-4 (10)
	S-05	SS	24	24	(SP) POORLY GRADED SAND - gray, moist to wet, very loose to medium dense.		▽		7-8-6-6 (14)
10								15	
	S-06	SS	18	18					3-2-1 (3)
15								10	
					(SM) SILTY FINE SAND - light brown, wet, very loose , trace limestone.				
	S-07	SS	18	18					1-1 (1)
					END OF BORING AT 20ft			5	

RQD% ◆ REC% ◆ (0 20 40 60 80 100)

TCP ▼ ModCal ⊠ SPT ⊗ (0 10 20 30 40 50)

PL MC LL (0 20 40 60 80 100)

THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY LINES BETWEEN SOIL TYPES. IN-SITU THE TRANSITION MAY BE GRADUAL

▽ WL (First Encountered):	8 ft	BORING STARTED:	03/24/2025	CAVE IN DEPTH:	Not Observed
▼ WL (Completion):		BORING COMPLETED:	03/24/2025	HAMMER TYPE:	Automatic
▼ WL (Seasonal High Water):	6.5 ft	EQUIPMENT:	LOGGED BY:	DRILLING METHOD:	
▽ WL (Stabilized):			TMD1	Mud Rotary	

GEOTECHNICAL BOREHOLE LOG

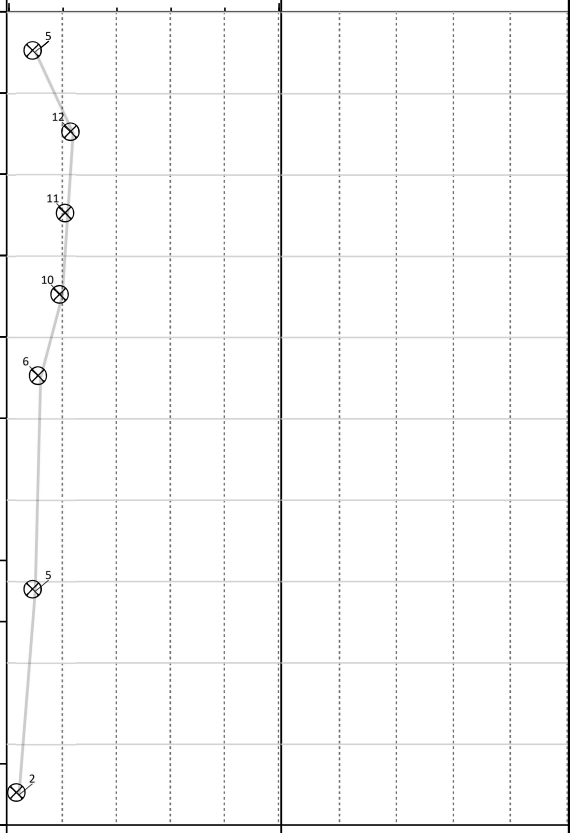
CLIENT:	PROJECT NO.:	BORING NO.:	SHEET:
EL Car Wash	**60:2560**	**B-02**	**1 OF 1**
PROJECT NAME: **EL Car Wash - Lehigh Acres**	DRILLER/CONTRACTOR: **Naples Well Drilling, Inc**		
SITE LOCATION: **2701 Lee Blvd, Lehigh Acres, Florida, 33971**			LOSS OF CIRCULATION
LATITUDE: **26.616731**	LONGITUDE: **-81.667769**	STATION:	SURFACE ELEVATION: **25**	BOTTOM OF CASING

DEPTH (FT)	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE DISTANCE (IN)	SAMPLE RECOVERY (IN)	DESCRIPTION OF MATERIAL	STRATIGRAPHY	WATER LEVELS	ELEVATION (FT)	BLOWS/6" (TCP/MC/SPT-N VALUE)*
	S-1	SS	24	24	(SP) POORLY GRADED SAND - tannish gray to gray, moist to wet, loose to medium dense , trace roots, trace limestone.			25	2-2-3-3 (5)
	S-02	SS	24	24					5-6-6-6 (12)
5	S-03	SS	24	24			▼	20	5-5-6-5 (11)
	S-04	SS	24	24			▽		4-6-4-4 (10)
	S-05	SS	24	24					4-3-3-5 (6)
10								15	
	S-06	SS	18	18					2-2-3 (5)
15					(SC) CLAYEY FINE SAND - gray, wet, very loose Trace limestone.			10	
	S-07	SS	18	18					1-1-1 (2)
					END OF BORING AT 20ft			5	

RQD% ◆ REC% ◆ 0 20 40 60 80 100

TCP ▼ ModCal ▣ SPT ⊗ 0 10 20 30 40 50

PL MC LL 0 20 40 60 80 100



THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY LINES BETWEEN SOIL TYPES. IN-SITU THE TRANSITION MAY BE GRADUAL

▽ WL (First Encountered):	7.5 ft	BORING STARTED:	03/24/2025	CAVE IN DEPTH:	Not Observed
▼ WL (Completion):		BORING COMPLETED:	03/24/2025	HAMMER TYPE:	Automatic
▼ WL (Seasonal High Water):	6 ft	EQUIPMENT:	LOGGED BY:	DRILLING METHOD:	
▽ WL (Stabilized):			TMD1	Mud Rotary	

GEOTECHNICAL BOREHOLE LOG

CLIENT: **EL Car Wash**	PROJECT NO.: **60:2560**	HAND AUGER NO.: **DHA-01**	SHEET: **1 OF 1**
PROJECT NAME: **EL Car Wash - Lehigh Acres**	SITE LOCATION: **2701 Lee Blvd, Lehigh Acres, Florida, 33971**		
LATITUDE: **26.616962**	LONGITUDE: **-81.667852**	STATION:	SURFACE ELEVATION: **25**

DEPTH (FT)	WATER LEVELS	ELEVATION (FT)	DESCRIPTION OF MATERIAL	GRAPHIC LOG	DCP	EXCAVATION EFFORT	SAMPLE NUMBER	FINES CONTENT (%)	MOISTURE CONTENT (%)
0		25	(SP) POORLY GRADED SAND - light gray, moist, trace roots.						
1									
2			As above but no trace roots.						
3	▼								
4	▽		As above but wet.						
5		20							
			END OF HAND AUGER AT 6ft						

REMARKS:

THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY LINES BETWEEN SOIL TYPES. IN-SITU THE TRANSITION MAY BE GRADUAL

EXCAVATION EFFORT: E-EASY M-MEDIUM D-DIFFICULT VD-VERY DIFFICULT

▽ WL (First Encountered): 4 ft	▼ WL (Seasonal High Water): 2.5 ft	ECS REP:	DATE COMPLETED:	UNITS:	CAVE-IN-DEPTH:
▼ WL (Completion):		Sandy	03/27/2025	English	Not Observed

HAND AUGER LOG

CLIENT: **EL Car Wash**	PROJECT NO.: **60:2560**	HAND AUGER NO.: **DHA-02**	SHEET: **1 OF 1**
PROJECT NAME: **EL Car Wash - Lehigh Acres**	SITE LOCATION: **2701 Lee Blvd, Lehigh Acres, Florida, 33971**		
LATITUDE: **26.616580**	LONGITUDE: **-81.668308**	STATION:	SURFACE ELEVATION: **25**

DEPTH (FT)	WATER LEVELS	ELEVATION (FT)	DESCRIPTION OF MATERIAL	GRAPHIC LOG	DCP	EXCAVATION EFFORT	SAMPLE NUMBER	FINES CONTENT (%)	MOISTURE CONTENT (%)
0		25	(SP) POORLY GRADED SAND - light brown, moist, trace limestone, trace roots.						
1									
2									
3	▼								
4			As above but moist to wet, no trace limestone, no trace roots.						
5	▽	20							
			END OF HAND AUGER AT 6ft						

REMARKS:

THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY LINES BETWEEN SOIL TYPES. IN-SITU THE TRANSITION MAY BE GRADUAL

EXCAVATION EFFORT: E-EASY M-MEDIUM D-DIFFICULT VD-VERY DIFFICULT

▽ WL (First Encountered): 4.5 ft	▼ WL (Seasonal High Water): 3 ft	ECS REP:	DATE COMPLETED:	UNITS:	CAVE-IN-DEPTH:
▼ WL (Completion):			03/27/2025	English	Not Observed

HAND AUGER LOG

CLIENT:	PROJECT NO.:	BORING NO.:	SHEET:
EL Car Wash	**60:2560**	**HA-01**	**1 OF 1**
PROJECT NAME: **EL Car Wash - Lehigh Acres**	DRILLER/CONTRACTOR: **Naples Well Drilling, Inc**		
SITE LOCATION: **2701 Lee Blvd, Lehigh Acres, Florida, 33971**			LOSS OF CIRCULATION
LATITUDE: **26.616460**	LONGITUDE: **-81.668015**	STATION:	SURFACE ELEVATION: **25**	BOTTOM OF CASING

DEPTH (FT)	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE DISTANCE (IN)	SAMPLE RECOVERY (IN)	DESCRIPTION OF MATERIAL	STRATIGRAPHY	WATER LEVELS	ELEVATION (FT)	BLOWS/6" (TCP/MC/SPT-N VALUE)*
0					(SP) POORLY GRADED SAND - gray, moist, Trace roots.			25	
					As above but no trace roots				
5								20	
					END OF HAND AUGER AT 6ft				

RQD% ◆ REC% ◆ 0 20 40 60 80 100

TCP ▼ ModCal ▣ SPT ⊗ 0 10 20 30 40 50

PL MC LL 0 20 40 60 80 100

THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY LINES BETWEEN SOIL TYPES. IN-SITU THE TRANSITION MAY BE GRADUAL

▽ WL (First Encountered): **Not Encountered**	**BORING STARTED:** 03/24/2025		**CAVE IN DEPTH:** Not Observed
▼ WL (Completion):	**BORING COMPLETED:** 03/24/2025		**HAMMER TYPE:**
▼ WL (Seasonal High Water):	**EQUIPMENT:**	**LOGGED BY:**	**DRILLING METHOD:**
▽ WL (Stabilized):		TMD1	Hand Auger

GEOTECHNICAL BOREHOLE LOG

CLIENT: **EL Car Wash**	PROJECT NO.: **60:2560**	BORING NO.: **HA-02**	SHEET: **1 OF 1**
PROJECT NAME: **EL Car Wash - Lehigh Acres**	DRILLER/CONTRACTOR: **Naples Well Drilling, Inc**		
SITE LOCATION: **2701 Lee Blvd, Lehigh Acres, Florida, 33971**			LOSS OF CIRCULATION
LATITUDE: **26.616583**	LONGITUDE: **-81.668041**	STATION:	SURFACE ELEVATION: **25**	BOTTOM OF CASING

DEPTH (FT)	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE DISTANCE (IN)	SAMPLE RECOVERY (IN)	DESCRIPTION OF MATERIAL	STRATIGRAPHY	WATER LEVELS	ELEVATION (FT)	BLOWS/6" (TCP/MC/SPT-N VALUE)*	RQD% ◆ REC% ◆ 0 20 40 60 80 100 / TCP ▼ ModCal ▣ SPT ⊗ 0 10 20 30 40 50	PL MC LL 0 20 40 60 80 100
0					(SP) POORLY GRADED SAND - gray, moist, Trace roots.			25			
					As above but no trace roots						
5								20			
					END OF HAND AUGER AT 6ft						

THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY LINES BETWEEN SOIL TYPES. IN-SITU THE TRANSITION MAY BE GRADUAL

▽ WL (First Encountered):	Not Encountered	BORING STARTED:	03/24/2025	CAVE IN DEPTH:	Not Observed
▼ WL (Completion):		BORING COMPLETED:	03/24/2025	HAMMER TYPE:	
▼ WL (Seasonal High Water):		EQUIPMENT:	LOGGED BY:	DRILLING METHOD:	
▽ WL (Stabilized):			TMD1	Hand Auger	

GEOTECHNICAL BOREHOLE LOG

CLIENT: **EL Car Wash**	PROJECT NO.: **60:2560**	BORING NO.: **HA-03**	SHEET: **1 OF 1**
PROJECT NAME: **EL Car Wash - Lehigh Acres**	DRILLER/CONTRACTOR: **Naples Well Drilling, Inc**		
SITE LOCATION: **2701 Lee Blvd, Lehigh Acres, Florida, 33971**			LOSS OF CIRCULATION
LATITUDE: **26.616902**	LONGITUDE: **-81.667905**	STATION:	SURFACE ELEVATION: **25**	BOTTOM OF CASING

DEPTH (FT)	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE DISTANCE (IN)	SAMPLE RECOVERY (IN)	DESCRIPTION OF MATERIAL	STRATIGRAPHY	WATER LEVELS	ELEVATION (FT)	BLOWS/6" (TCP/MC/SPT-N VALUE)*	RQD% ◆ REC% ◆ 0 20 40 60 80 100 / TCP ▼ ModCal ▣ SPT ⊗ 0 10 20 30 40 50	PL MC LL 0 20 40 60 80 100
0					(SP) POORLY GRADED SAND - gray, moist,			25			
5								20			
					END OF HAND AUGER AT 6ft						

THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY LINES BETWEEN SOIL TYPES. IN-SITU THE TRANSITION MAY BE GRADUAL

▽ WL (First Encountered):	**Not Encountered**	**BORING STARTED:**	**03/24/2025**	**CAVE IN DEPTH:**	**Not Observed**
▼ WL (Completion):		**BORING COMPLETED:**	**03/24/2025**	**HAMMER TYPE:**	
▼ WL (Seasonal High Water):		**EQUIPMENT:**	**LOGGED BY:**	**DRILLING METHOD:**	
▽ WL (Stabilized):			**TMD1**	**Hand Auger**	

GEOTECHNICAL BOREHOLE LOG

CLIENT:	PROJECT NO.:	BORING NO.:	SHEET:
EL Car Wash	**60:2560**	**HA-04**	**1 OF 1**
PROJECT NAME: **EL Car Wash - Lehigh Acres**	DRILLER/CONTRACTOR: **Naples Well Drilling, Inc**		
SITE LOCATION: **2701 Lee Blvd, Lehigh Acres, Florida, 33971**			LOSS OF CIRCULATION
LATITUDE: **26.616453**	LONGITUDE: **-81.668188**	STATION:	SURFACE ELEVATION: **25**	BOTTOM OF CASING

DEPTH (FT)	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE DISTANCE (IN)	SAMPLE RECOVERY (IN)	DESCRIPTION OF MATERIAL	STRATIGRAPHY	WATER LEVELS	ELEVATION (FT)	BLOWS/6" (TCP/MC/SPT-N VALUE)*
					(SP-SC) POORLY GRADED SAND WITH CLAY - gray, moist.			25	
5					(SP) POORLY GRADED SAND - gray, moist.			20	
					END OF HAND AUGER AT 6ft				

RQD% ◆ REC% ◆ 0 20 40 60 80 100

TCP ▼ ModCal ▣ SPT ⊗ 0 10 20 30 40 50

PL MC LL 0 20 40 60 80 100

THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY LINES BETWEEN SOIL TYPES. IN-SITU THE TRANSITION MAY BE GRADUAL

▽ WL (First Encountered): **Not Encountered**	**BORING STARTED: 03/24/2025**		**CAVE IN DEPTH: Not Observed**
▼ WL (Completion):	**BORING COMPLETED: 03/24/2025**		**HAMMER TYPE:**
▼ WL (Seasonal High Water):	**EQUIPMENT:**	**LOGGED BY:**	**DRILLING METHOD:**
▽ WL (Stabilized):		**TMD1**	**Hand Auger**

GEOTECHNICAL BOREHOLE LOG

CLIENT:	PROJECT NO.:	BORING NO.:	SHEET:
EL Car Wash	**60:2560**	**HA-05**	**1 OF 1**
PROJECT NAME: **EL Car Wash - Lehigh Acres**	DRILLER/CONTRACTOR: **Naples Well Drilling, Inc**		
SITE LOCATION: **2701 Lee Blvd, Lehigh Acres, Florida, 33971**			LOSS OF CIRCULATION
LATITUDE: **26.616601**	LONGITUDE: **-81.668196**	STATION:	SURFACE ELEVATION: **25**	BOTTOM OF CASING

DEPTH (FT)	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE DISTANCE (IN)	SAMPLE RECOVERY (IN)	DESCRIPTION OF MATERIAL	STRATIGRAPHY	WATER LEVELS	ELEVATION (FT)	BLOWS/6" (TCP/MC/SPT-N VALUE)*
					(SP-SC) POORLY GRADED SAND WITH CLAY - gray, moist.			25	
5					(SP) POORLY GRADED SAND - gray, moist.			20	
					END OF HAND AUGER AT 6ft				

RQD% ◆ REC% ◆ (0 20 40 60 80 100)

TCP ▼ ModCal ▣ SPT ⊗ (0 10 20 30 40 50)

PL MC LL (0 20 40 60 80 100)

THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY LINES BETWEEN SOIL TYPES. IN-SITU THE TRANSITION MAY BE GRADUAL

▽ WL (First Encountered): **Not Encountered**	**BORING STARTED:** 03/24/2025		**CAVE IN DEPTH:** Not Observed
▼ WL (Completion):	**BORING COMPLETED:** 03/24/2025		**HAMMER TYPE:**
▼ WL (Seasonal High Water):	**EQUIPMENT:**	**LOGGED BY:**	**DRILLING METHOD:**
▽ WL (Stabilized):		TMD1	Hand Auger

GEOTECHNICAL BOREHOLE LOG

CLIENT:	PROJECT NO.:	BORING NO.:	SHEET:
EL Car Wash	**60:2560**	**HA-06**	**1 OF 1**
PROJECT NAME: **EL Car Wash - Lehigh Acres**	DRILLER/CONTRACTOR: **Naples Well Drilling, Inc**		
SITE LOCATION: **2701 Lee Blvd, Lehigh Acres, Florida, 33971**			LOSS OF CIRCULATION
LATITUDE: **26.616882**	LONGITUDE: **-81.668061**	STATION:	SURFACE ELEVATION: **25**	BOTTOM OF CASING

DEPTH (FT)	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE DISTANCE (IN)	SAMPLE RECOVERY (IN)	DESCRIPTION OF MATERIAL	STRATIGRAPHY	WATER LEVELS	ELEVATION (FT)	BLOWS/6" (TCP/MC/SPT-N VALUE)*
					(SP-SC) POORLY GRADED SAND WITH CLAY - gray, moist.			25	
					(SP) POORLY GRADED SAND - gray, moist.				
5								20	
					END OF HAND AUGER AT 6ft				

RQD% ◆ REC% ◆ 0 20 40 60 80 100

TCP ▼ ModCal ⊠ SPT ⊗ 0 10 20 30 40 50

PL MC LL 0 20 40 60 80 100

THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY LINES BETWEEN SOIL TYPES. IN-SITU THE TRANSITION MAY BE GRADUAL

▽ WL (First Encountered): **Not Encountered**	**BORING STARTED: 03/24/2025**		**CAVE IN DEPTH: Not Observed**
▼ WL (Completion):	**BORING COMPLETED: 03/24/2025**		**HAMMER TYPE:**
▼ WL (Seasonal High Water):	**EQUIPMENT:**	**LOGGED BY:**	**DRILLING METHOD:**
▽ WL (Stabilized):		**TMD1**	**Hand Auger**

GEOTECHNICAL BOREHOLE LOG

CLIENT: **EL Car Wash**	PROJECT NO.: **60:2560**	BORING NO.: **HA-07**	SHEET: **1 OF 1**
PROJECT NAME: **EL Car Wash - Lehigh Acres**	DRILLER/CONTRACTOR: **Naples Well Drilling, Inc**		
SITE LOCATION: **2701 Lee Blvd, Lehigh Acres, Florida, 33971**			LOSS OF CIRCULATION
LATITUDE: **26.616835**	LONGITUDE: **-81.667746**	STATION:	SURFACE ELEVATION: **25**	BOTTOM OF CASING

DEPTH (FT)	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE DISTANCE (IN)	SAMPLE RECOVERY (IN)	DESCRIPTION OF MATERIAL	STRATIGRAPHY	WATER LEVELS	ELEVATION (FT)	BLOWS/6" (TCP/MC/SPT-N VALUE)*	RQD% ◆ REC% ◆ 0 20 40 60 80 100 / TCP ▼ ModCal ▣ SPT ⊗ 0 10 20 30 40 50	PL MC LL 0 20 40 60 80 100
0					(SP) POORLY GRADED SAND - gray, moist.			25			
5								20			
					END OF HAND AUGER AT 6ft						

THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY LINES BETWEEN SOIL TYPES. IN-SITU THE TRANSITION MAY BE GRADUAL

▽ WL (First Encountered): **Not Encountered**	**BORING STARTED:** 03/24/2025		**CAVE IN DEPTH:** Not Observed
▼ WL (Completion):	**BORING COMPLETED:** 03/24/2025		**HAMMER TYPE:**
▼ WL (Seasonal High Water):	**EQUIPMENT:**	**LOGGED BY:**	**DRILLING METHOD:**
▽ WL (Stabilized):		TMD1	Hand Auger

GEOTECHNICAL BOREHOLE LOG

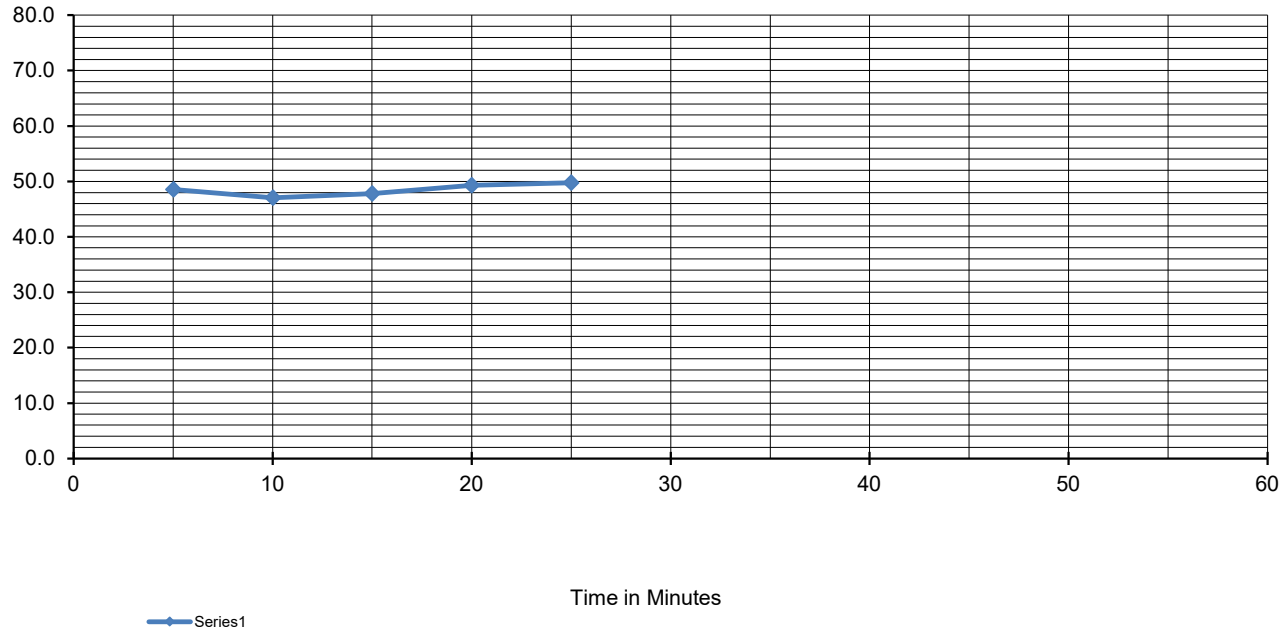
DOUBLE RING INFILTROMETER TEST RESULTS

Project: Proposed El Car Wash - Lehigh Acres

ECS Project No.: 60-2560
Test No.: DRI-02
Date Performed: 3/27/2025
Performed by: ECS

DOUBLE RING INFILTROMETER TEST RESULTS:

Groundwater Depth:	Groundwater not encountered	ft				
Approximate Ground Surface Elev.	25	ft				
Test Depth:	1.50	ft				
Test Elevation:	23.50	ft				
Test Location:	DRI-02				Kv (ft/day)	Kh (ft/day)
Ave. Stabilized Infiltr. Rate, In/Hr =	40.4		80.8	ft/day	80.8	121.2



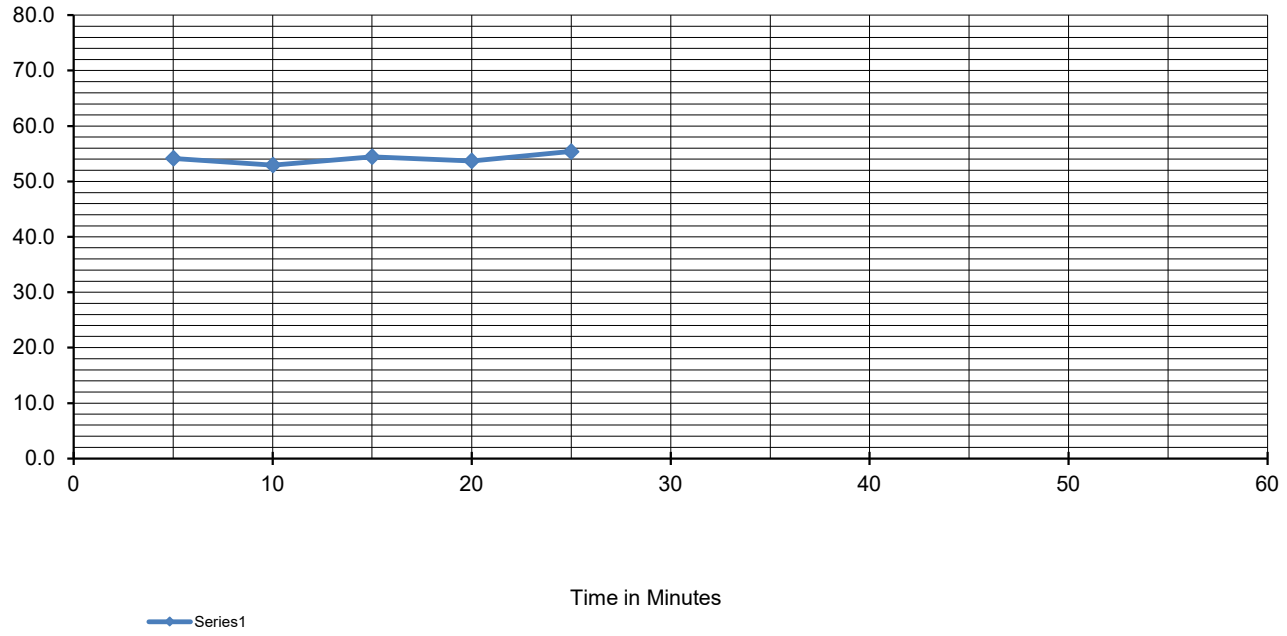
DOUBLE RING INFILTROMETER TEST RESULTS

Project: Proposed El Car Wash - Lehigh Acres

ECS Project No.: 60-2560
Test No.: DRI-01
Date Performed: 3/27/2025
Performed by: ECS

DOUBLE RING INFILTROMETER TEST RESULTS:

Groundwater Depth:	Groundwater not encountered	ft			
Approximate Ground Surface Elev.	25	ft			
Test Depth:	1.50	ft			
Test Elevation:	23.50	ft			
Test Location:	DRI-01			Kv (ft/day)	Kh (ft/day)
Ave. Stabilized Infiltr. Rate, In/Hr =	45.1		90.2 ft/day	90.2	135.3



APPENDIX D
DESIGN CALCULATIONS & DIAGRAMS

APPENDIX D-1
HydroCAD Routing Diagram



Subcat Reach Pond Link

Routing Diagram for 2026-03-27_Stormwater Calculations
Prepared by Stonefield Engineering & Design, Printed 3/27/2026
HydroCAD® 10.20-8a s/n 06682 © 2025 HydroCAD Software Solutions LLC

APPENDIX D-2
SFWMD IMPERVIOUS COVERAGE

STONEFIELD
engineering & design

Impervious Coverage Calculations
Proposed Car Wash
Unincorporated Lee County
Lee County, Florida
2701 Lee Boulevard
Date: 03/27/2026

EXISTING TOTALS	
Land Cover	Total
Impervious	25,913
TOTAL	25,913

PROPOSED TOTALS	
Land Cover	Total
Impervious	24,199
TOTAL	24,199

APPENDIX D-3
SFWMD 25-YEAR, 72-HOUR HYDROGRAPHS

Summary for Subcatchment E1-A: EXISTING DRAINAGE AREA

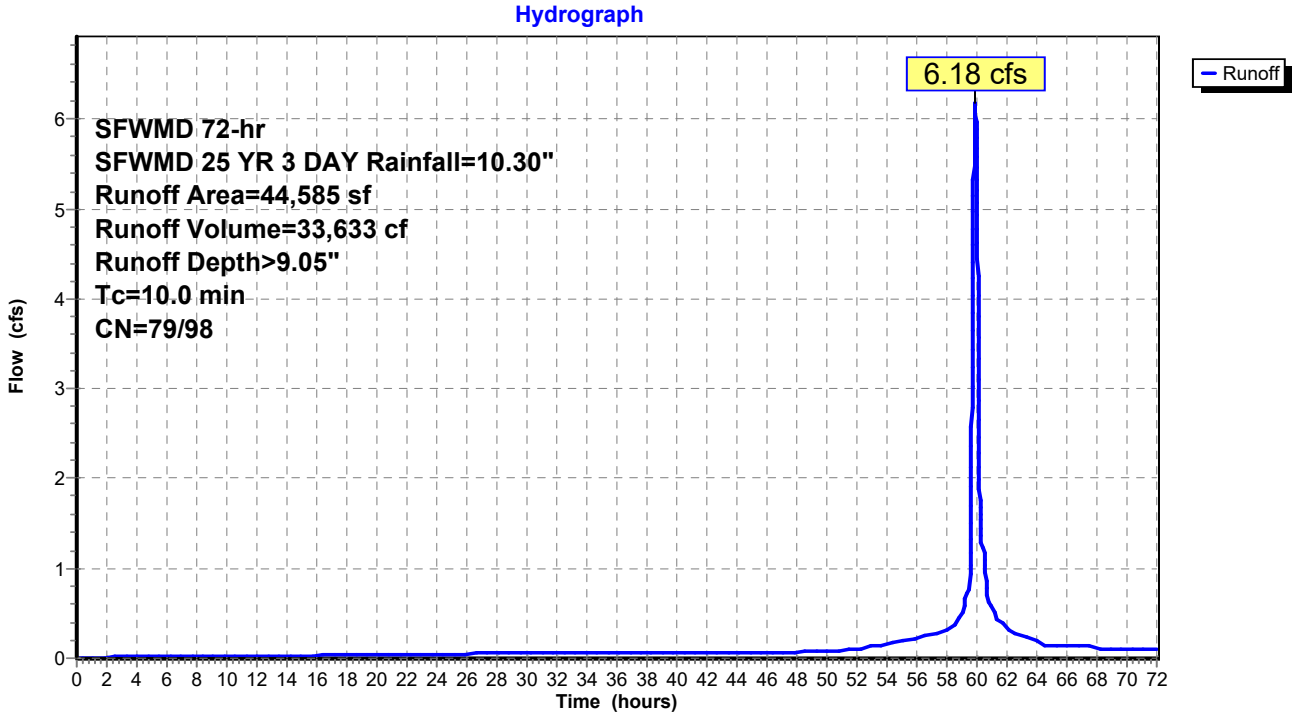
Runoff = 6.18 cfs @ 59.89 hrs, Volume= 33,633 cf, Depth> 9.05"
Routed to Pond EX-B-1 : EXISTING DRY INFILTRATION BASIN

Runoff by SCS TR-20 method, UH=SCS, Split Pervious/Imperv., Time Span= 0.00-72.00 hrs, dt= 0.01 hrs
SFWMD 72-hr SFWMD 25 YR 3 DAY Rainfall=10.30"

Area (sf)	CN	Description
25,913	98	Paved parking, HSG A
18,672	79	<50% Grass cover, Poor, HSG B
44,585	90	Weighted Average
18,672	79	41.88% Pervious Area
25,913	98	58.12% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					**Direct Entry,**

Subcatchment E1-A: EXISTING DRAINAGE AREA



Summary for Subcatchment P1-A: PROPOSED DRAINAGE AREA

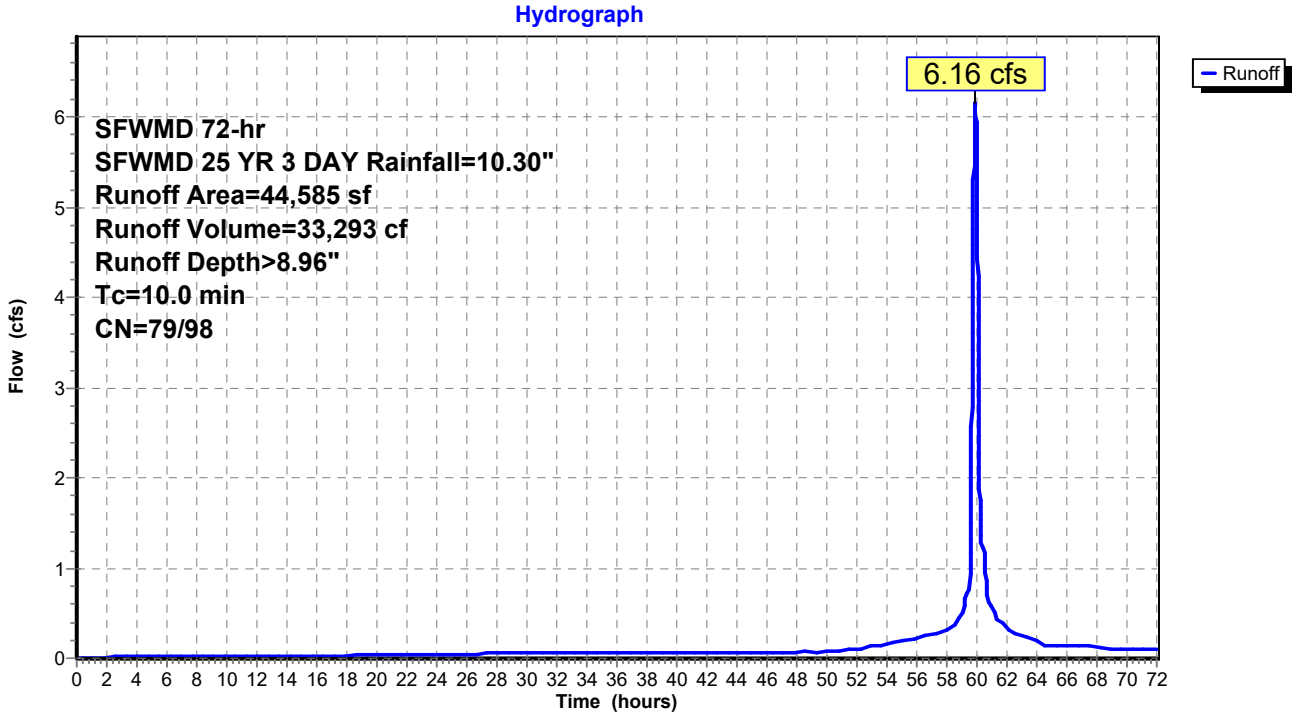
Runoff = 6.16 cfs @ 59.89 hrs, Volume= 33,293 cf, Depth> 8.96"
Routed to Pond B-1 : PROPOSED DRY INFILTRATION BASIN

Runoff by SCS TR-20 method, UH=SCS, Split Pervious/Imperv., Time Span= 0.00-72.00 hrs, dt= 0.01 hrs
SFWMD 72-hr SFWMD 25 YR 3 DAY Rainfall=10.30"

Area (sf)	CN	Description
24,199	98	Paved parking, HSG A
20,386	79	<50% Grass cover, Poor, HSG B
44,585	89	Weighted Average
20,386	79	45.72% Pervious Area
24,199	98	54.28% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					**Direct Entry,**

Subcatchment P1-A: PROPOSED DRAINAGE AREA



Summary for Pond B-1: PROPOSED DRY INFILTRATION BASIN

Inflow Area = 44,585 sf, 54.28% Impervious, Inflow Depth > 8.96" for SFWMD 25 YR 3 DAY event
Inflow = 6.16 cfs @ 59.89 hrs, Volume= 33,293 cf
Outflow = 5.89 cfs @ 59.95 hrs, Volume= 33,292 cf, Atten= 4%, Lag= 3.3 min
Discarded = 5.89 cfs @ 59.95 hrs, Volume= 33,292 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-72.00 hrs, dt= 0.01 hrs
Peak Elev= 22.75' @ 59.95 hrs Surf.Area= 7,302 sf Storage= 2,449 cf

Plug-Flow detention time= (not calculated: outflow precedes inflow)
Center-of-Mass det. time= 3.3 min (3,243.8 - 3,240.4)

Volume	Invert	Avail.Storage	Storage Description
#1	22.50'	3,141 cf	**NORTH BASIN (Irregular)** Listed below (Recalc)
#2	22.50'	901 cf	**SW BASIN (Irregular)** Listed below (Recalc)
#3	22.50'	170 cf	**SOUTH BASIN (Irregular)** Listed below (Recalc)
#4	22.50'	948 cf	**SE BASIN (Irregular)** Listed below (Recalc)
#5	23.15'	148 cf	**12.0" Round Pipe Storage** L= 189.0'
#6	23.15'	8 cf	**12.0" Round Pipe Storage** L= 10.0'
#7	23.80'	20 cf	**12.0" Round Pipe Storage** L= 25.0'
#8	21.83'	0 cf	**NORTH BASIN SOIL LAYER (Irregular)** Listed below (Recalc) 1,616 cf Overall x 0.0% Voids
#9	20.50'	1,604 cf	**NORTH BASIN STONE LAYER (Irregular)** Listed below (Recalc) 3,208 cf Overall x 50.0% Voids
#10	21.83'	0 cf	**SE BASIN SOIL LAYER (Irregular)** Listed below (Recalc) 314 cf Overall x 0.0% Voids
#11	20.50'	311 cf	**SE BASIN STONE LAYER (Irregular)** Listed below (Recalc) 622 cf Overall x 50.0% Voids
#12	21.83'	0 cf	**SOUTH BASIN SOIL LAYER (Irregular)** Listed below (Recalc) 51 cf Overall x 0.0% Voids
#13	20.50'	51 cf	**SOUTH BASIN STONE LAYER (Irregular)** Listed below (Recalc) 101 cf Overall x 50.0% Voids
#14	21.83'	0 cf	**SW BASIN SOIL LAYER (Irregular)** Listed below (Recalc) 140 cf Overall x 0.0% Voids
#15	20.50'	294 cf	**SW BASIN STONE LAYER (Irregular)** Listed below (Recalc) 588 cf Overall x 50.0% Voids
		7,595 cf	Total Available Storage

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
22.50	225	69.0	0	0	225
23.00	575	342.7	193	193	9,193
23.50	1,487	646.3	498	691	33,088
24.00	2,464	657.0	978	1,669	34,244
24.50	3,453	665.6	1,472	3,141	35,208

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
22.50	226	60.7	0	0	226
23.50	442	81.4	328	328	471
24.50	714	101.2	573	901	772

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
22.50	7	12.5	0	0	7
23.50	76	32.8	35	35	84
24.50	203	51.7	134	170	218

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
22.50	176	58.6	0	0	176
23.50	468	109.2	310	310	857
24.50	825	128.6	638	948	1,243

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
21.83	2,412	654.9	0	0	2,412
22.50	2,412	654.9	1,616	1,616	2,851

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
20.50	2,412	654.9	0	0	2,412
21.83	2,412	654.9	3,208	3,208	3,283

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
21.83	468	109.2	0	0	468
22.50	468	109.2	314	314	541

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
20.50	468	109.2	0	0	468
21.83	468	109.2	622	622	613

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
21.83	76	32.8	0	0	76
22.50	76	32.8	51	51	98

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
20.50	76	32.8	0	0	76
21.83	76	32.8	101	101	120

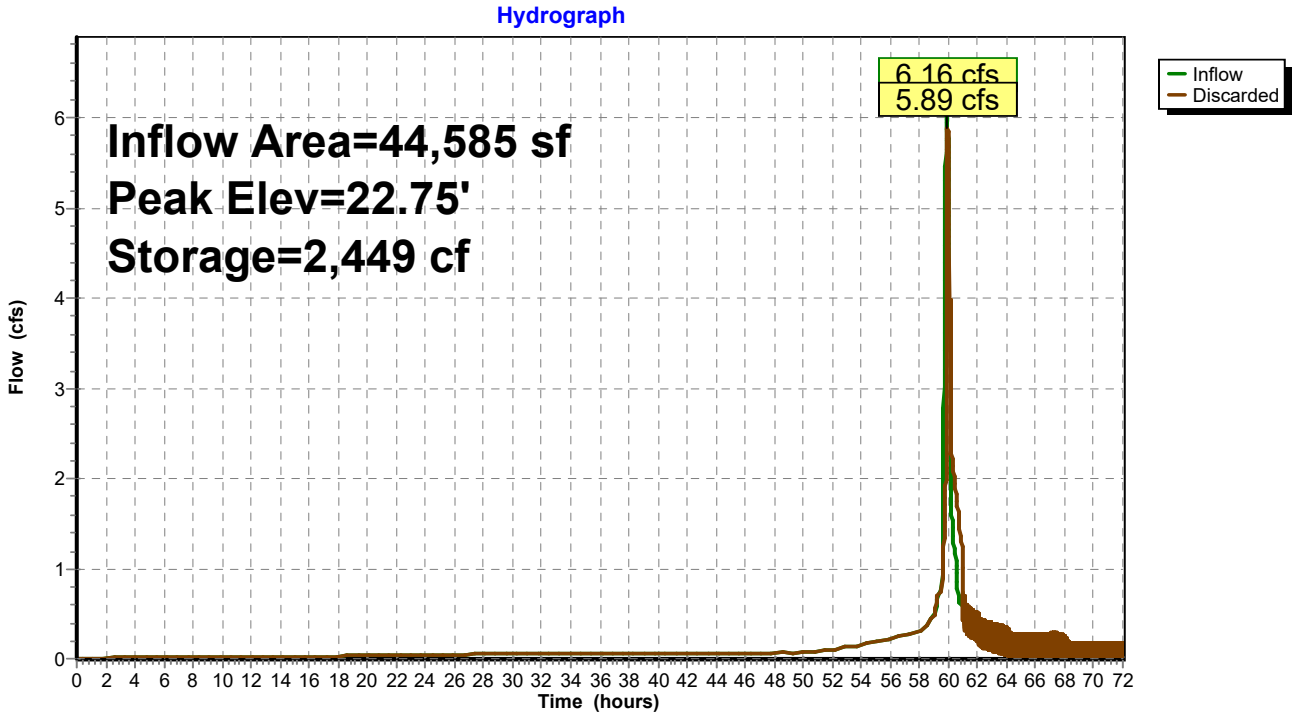
Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
21.83	442	81.4	0	0	442
22.50	45	81.4	140	140	497

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
20.50	442	81.4	0	0	442
21.83	442	81.4	588	588	550

Device	Routing	Invert	Outlet Devices
#1	Discarded	20.50'	**15.000 in/hr Exfiltration over Wetted area** Conductivity to Groundwater Elevation = 18.00'

Discarded OutFlow Max=5.89 cfs @ 59.95 hrs HW=22.75' (Free Discharge)
└**1=Exfiltration** (Controls 5.89 cfs)

Pond B-1: PROPOSED DRY INFILTRATION BASIN



Summary for Pond EX-B-1: EXISTING DRY INFILTRATION BASIN

Inflow Area = 44,585 sf, 58.12% Impervious, Inflow Depth > 9.05" for SFWMD 25 YR 3 DAY event
Inflow = 6.18 cfs @ 59.89 hrs, Volume= 33,633 cf
Outflow = 3.79 cfs @ 60.09 hrs, Volume= 33,633 cf, Atten= 39%, Lag= 11.9 min
Discarded = 2.08 cfs @ 60.09 hrs, Volume= 30,439 cf
Primary = 1.71 cfs @ 60.09 hrs, Volume= 3,194 cf
Routed to Link E-1 : EXISTING RUNOFF

Routing by Dyn-Stor-Ind method, Time Span= 0.00-72.00 hrs, dt= 0.01 hrs
Peak Elev= 24.00' @ 60.09 hrs Surf.Area= 4,684 sf Storage= 4,524 cf

Plug-Flow detention time= (not calculated: outflow precedes inflow)
Center-of-Mass det. time= 7.1 min (3,236.5 - 3,229.5)

Volume	Invert	Avail.Storage	Storage Description
#1	22.50'	7,209 cf	**Custom Stage Data (Irregular)** Listed below (Recalc)

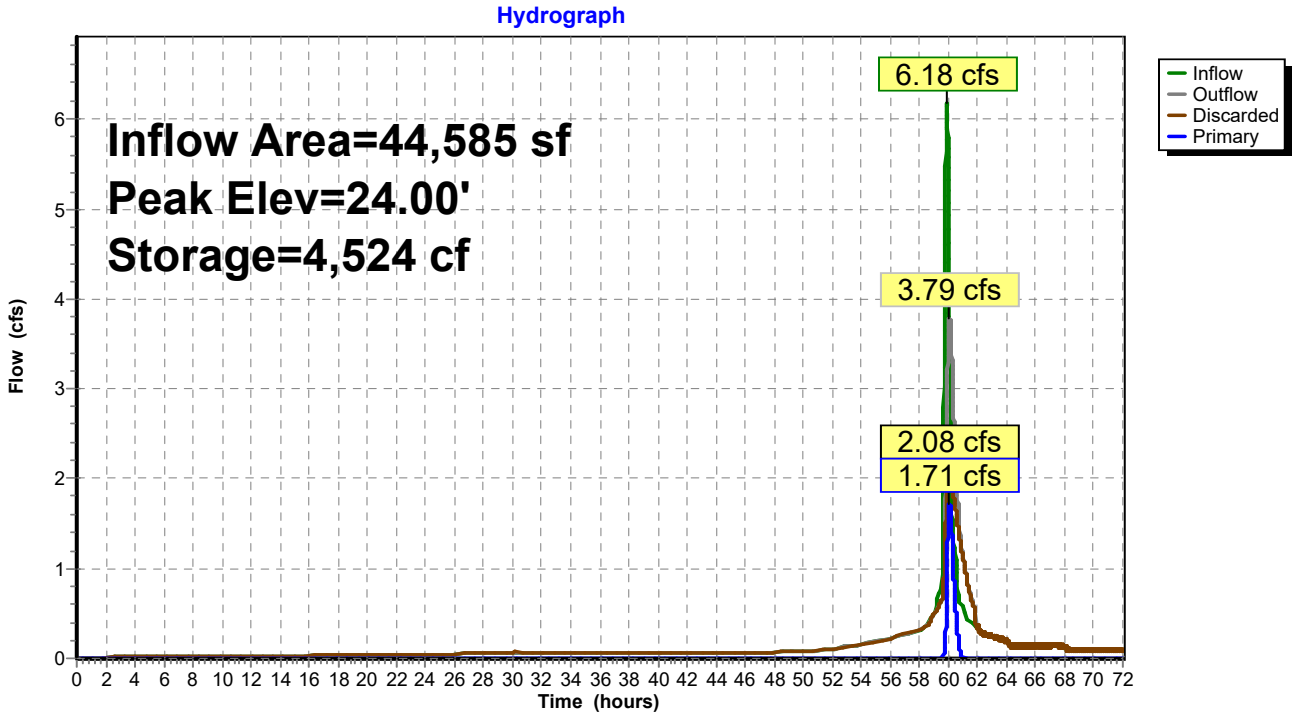
Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
22.50	1,503	204.0	0	0	1,503
23.00	2,488	243.1	987	987	2,899
23.50	3,549	272.4	1,501	2,489	4,107
24.50	5,997	308.6	4,720	7,209	5,806

Device	Routing	Invert	Outlet Devices
#1	Primary	23.01'	**12.0" Round Corruguated PE Pipe** L= 22.6' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 23.00' / 23.01' S= -0.0004 '/' Cc= 0.900 n= 0.009 Corrugated PE, smooth interior, Flow Area= 0.79 sf
#2	Discarded	22.50'	**15.000 in/hr Exfiltration over Wetted area** Conductivity to Groundwater Elevation = 18.00'

Discarded OutFlow Max=2.08 cfs @ 60.09 hrs HW=24.00' (Free Discharge)
↑**2=Exfiltration** (Controls 2.08 cfs)

Primary OutFlow Max=1.71 cfs @ 60.09 hrs HW=24.00' TW=0.00' (Dynamic Tailwater)
↑**1=Corruguated PE Pipe** (Barrel Controls 1.71 cfs @ 2.72 fps)

Pond EX-B-1: EXISTING DRY INFILTRATION BASIN

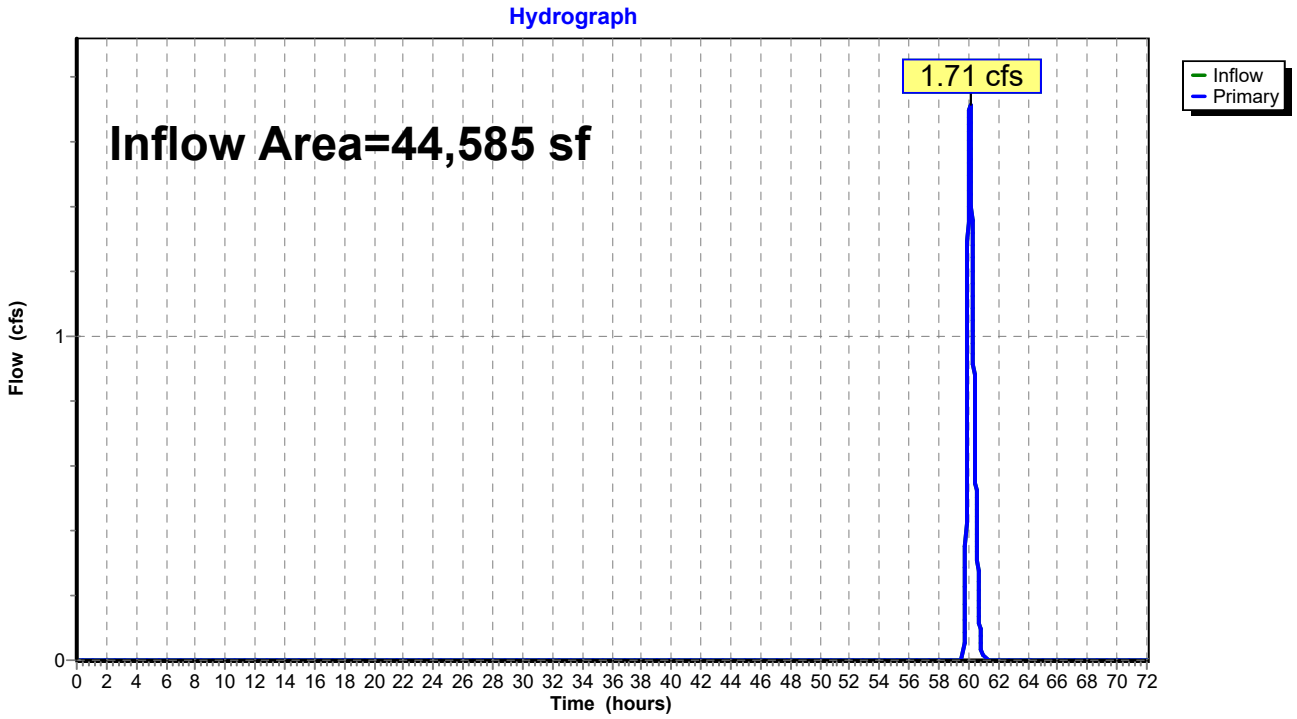


Summary for Link E-1: EXISTING RUNOFF

Inflow Area = 44,585 sf, 58.12% Impervious, Inflow Depth = 0.86" for SFWMD 25 YR 3 DAY event
Inflow = 1.71 cfs @ 60.09 hrs, Volume= 3,194 cf
Primary = 1.71 cfs @ 60.09 hrs, Volume= 3,194 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-72.00 hrs, dt= 0.01 hrs

Link E-1: EXISTING RUNOFF

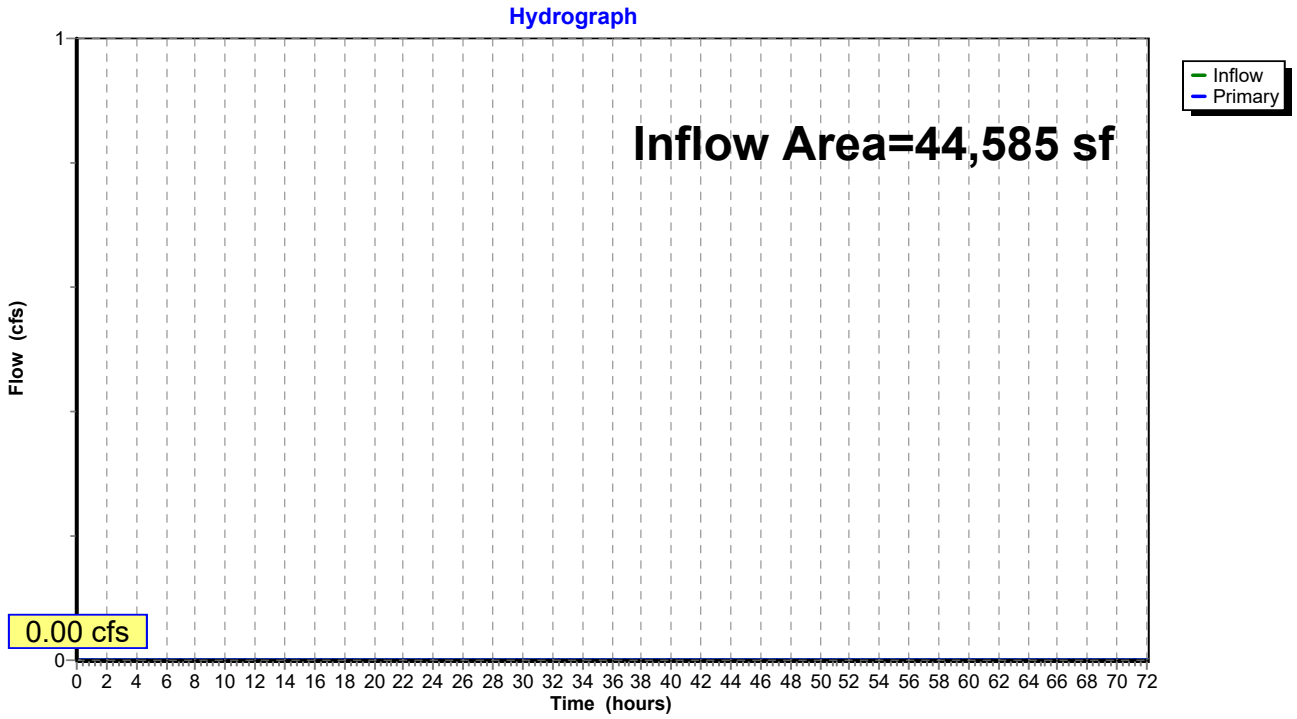


Summary for Link P-1: PROPOSED RUNOFF

Inflow Area = 44,585 sf, 54.28% Impervious, Inflow Depth = 0.00" for SFWMD 25 YR 3 DAY event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-72.00 hrs, dt= 0.01 hrs

Link P-1: PROPOSED RUNOFF



APPENDIX D-4
SFWMD 100-YEAR, 72-HOUR HYDROGRAPHS

Summary for Subcatchment E1-A: EXISTING DRAINAGE AREA

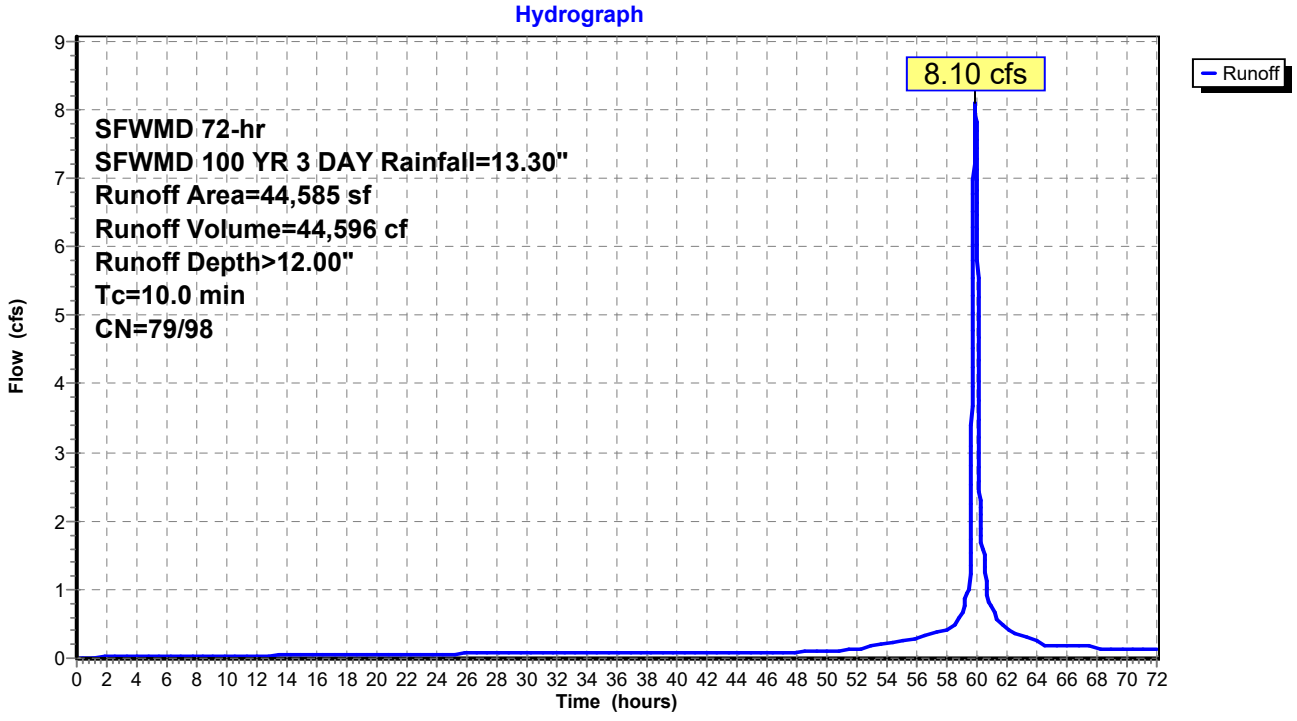
Runoff = 8.10 cfs @ 59.89 hrs, Volume= 44,596 cf, Depth>12.00"
Routed to Pond EX-B-1 : EXISTING DRY INFILTRATION BASIN

Runoff by SCS TR-20 method, UH=SCS, Split Pervious/Imperv., Time Span= 0.00-72.00 hrs, dt= 0.01 hrs
SFWMD 72-hr SFWMD 100 YR 3 DAY Rainfall=13.30"

Area (sf)	CN	Description
25,913	98	Paved parking, HSG A
18,672	79	<50% Grass cover, Poor, HSG B
44,585	90	Weighted Average
18,672	79	41.88% Pervious Area
25,913	98	58.12% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					**Direct Entry,**

Subcatchment E1-A: EXISTING DRAINAGE AREA



Summary for Subcatchment P1-A: PROPOSED DRAINAGE AREA

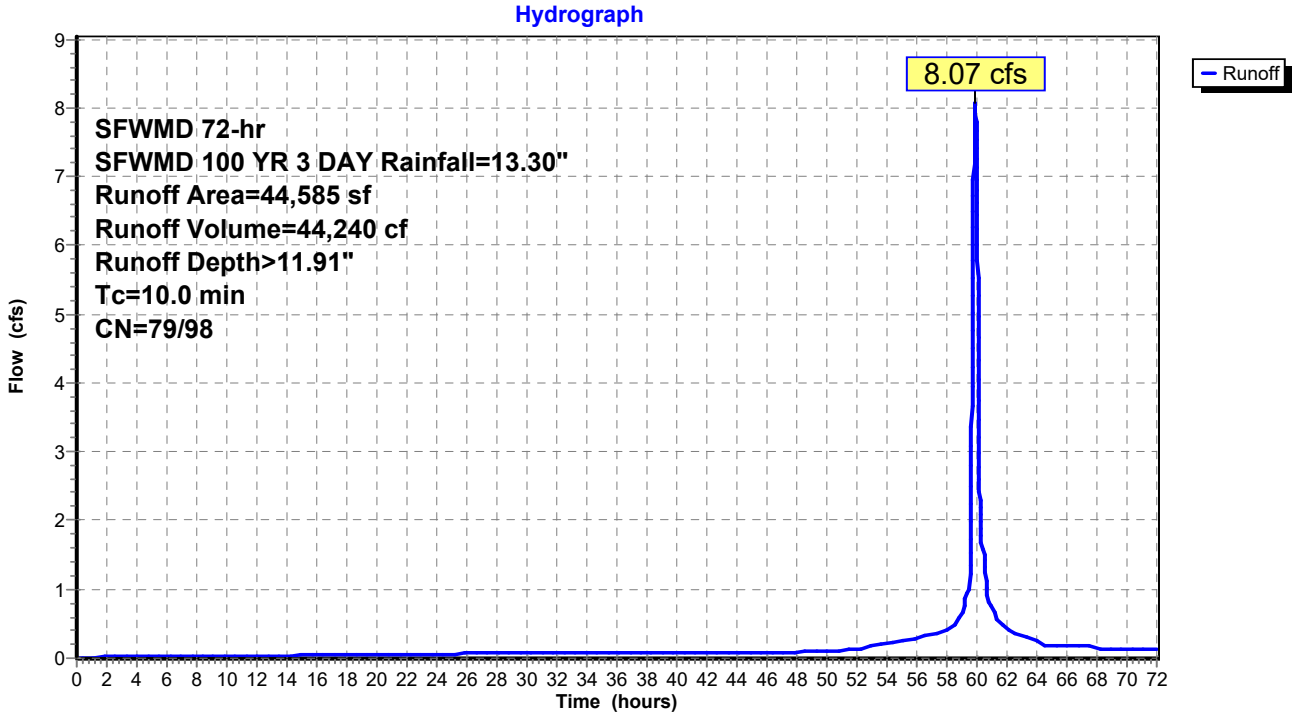
Runoff = 8.07 cfs @ 59.89 hrs, Volume= 44,240 cf, Depth>11.91"
Routed to Pond B-1 : PROPOSED DRY INFILTRATION BASIN

Runoff by SCS TR-20 method, UH=SCS, Split Pervious/Imperv., Time Span= 0.00-72.00 hrs, dt= 0.01 hrs
SFWMD 72-hr SFWMD 100 YR 3 DAY Rainfall=13.30"

Area (sf)	CN	Description
24,199	98	Paved parking, HSG A
20,386	79	<50% Grass cover, Poor, HSG B
44,585	89	Weighted Average
20,386	79	45.72% Pervious Area
24,199	98	54.28% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					**Direct Entry,**

Subcatchment P1-A: PROPOSED DRAINAGE AREA



Summary for Pond B-1: PROPOSED DRY INFILTRATION BASIN

Inflow Area = 44,585 sf, 54.28% Impervious, Inflow Depth > 11.91" for SFWMD 100 YR 3 DAY event
Inflow = 8.07 cfs @ 59.89 hrs, Volume= 44,240 cf
Outflow = 7.92 cfs @ 59.93 hrs, Volume= 44,240 cf, Atten= 2%, Lag= 2.1 min
Discarded = 7.92 cfs @ 59.93 hrs, Volume= 44,240 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-72.00 hrs, dt= 0.01 hrs
Peak Elev= 22.96' @ 59.93 hrs Surf.Area= 7,577 sf Storage= 2,668 cf

Plug-Flow detention time= (not calculated: outflow precedes inflow)
Center-of-Mass det. time= 3.1 min (3,222.7 - 3,219.6)

Volume	Invert	Avail.Storage	Storage Description
#1	22.50'	3,141 cf	**NORTH BASIN (Irregular)** Listed below (Recalc)
#2	22.50'	901 cf	**SW BASIN (Irregular)** Listed below (Recalc)
#3	22.50'	170 cf	**SOUTH BASIN (Irregular)** Listed below (Recalc)
#4	22.50'	948 cf	**SE BASIN (Irregular)** Listed below (Recalc)
#5	23.15'	148 cf	**12.0" Round Pipe Storage** L= 189.0'
#6	23.15'	8 cf	**12.0" Round Pipe Storage** L= 10.0'
#7	23.80'	20 cf	**12.0" Round Pipe Storage** L= 25.0'
#8	21.83'	0 cf	**NORTH BASIN SOIL LAYER (Irregular)** Listed below (Recalc) 1,616 cf Overall x 0.0% Voids
#9	20.50'	1,604 cf	**NORTH BASIN STONE LAYER (Irregular)** Listed below (Recalc) 3,208 cf Overall x 50.0% Voids
#10	21.83'	0 cf	**SE BASIN SOIL LAYER (Irregular)** Listed below (Recalc) 314 cf Overall x 0.0% Voids
#11	20.50'	311 cf	**SE BASIN STONE LAYER (Irregular)** Listed below (Recalc) 622 cf Overall x 50.0% Voids
#12	21.83'	0 cf	**SOUTH BASIN SOIL LAYER (Irregular)** Listed below (Recalc) 51 cf Overall x 0.0% Voids
#13	20.50'	51 cf	**SOUTH BASIN STONE LAYER (Irregular)** Listed below (Recalc) 101 cf Overall x 50.0% Voids
#14	21.83'	0 cf	**SW BASIN SOIL LAYER (Irregular)** Listed below (Recalc) 140 cf Overall x 0.0% Voids
#15	20.50'	294 cf	**SW BASIN STONE LAYER (Irregular)** Listed below (Recalc) 588 cf Overall x 50.0% Voids
		7,595 cf	Total Available Storage

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
22.50	225	69.0	0	0	225
23.00	575	342.7	193	193	9,193
23.50	1,487	646.3	498	691	33,088
24.00	2,464	657.0	978	1,669	34,244
24.50	3,453	665.6	1,472	3,141	35,208

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
22.50	226	60.7	0	0	226
23.50	442	81.4	328	328	471
24.50	714	101.2	573	901	772

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
22.50	7	12.5	0	0	7
23.50	76	32.8	35	35	84
24.50	203	51.7	134	170	218

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
22.50	176	58.6	0	0	176
23.50	468	109.2	310	310	857
24.50	825	128.6	638	948	1,243

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
21.83	2,412	654.9	0	0	2,412
22.50	2,412	654.9	1,616	1,616	2,851

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
20.50	2,412	654.9	0	0	2,412
21.83	2,412	654.9	3,208	3,208	3,283

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
21.83	468	109.2	0	0	468
22.50	468	109.2	314	314	541

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
20.50	468	109.2	0	0	468
21.83	468	109.2	622	622	613

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
21.83	76	32.8	0	0	76
22.50	76	32.8	51	51	98

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
20.50	76	32.8	0	0	76
21.83	76	32.8	101	101	120

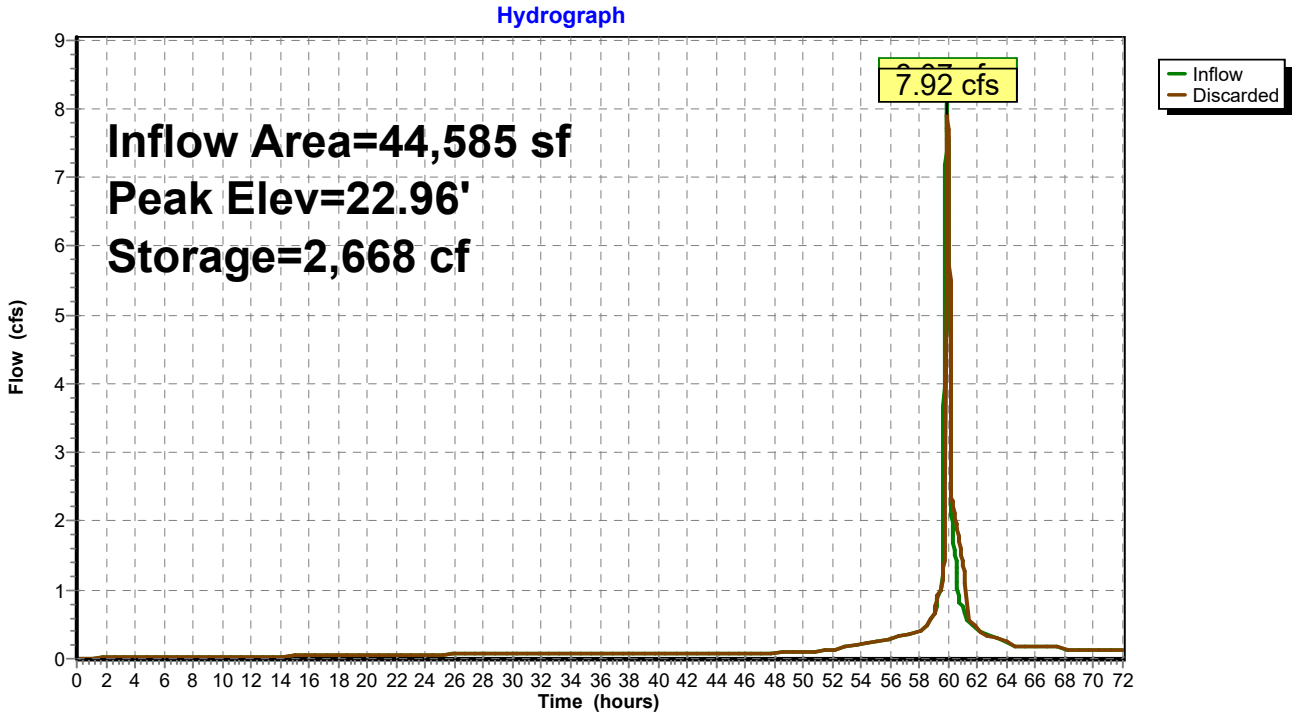
Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
21.83	442	81.4	0	0	442
22.50	45	81.4	140	140	497

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
20.50	442	81.4	0	0	442
21.83	442	81.4	588	588	550

Device	Routing	Invert	Outlet Devices
#1	Discarded	20.50'	**15.000 in/hr Exfiltration over Wetted area** Conductivity to Groundwater Elevation = 18.00'

Discarded OutFlow Max=7.92 cfs @ 59.93 hrs HW=22.96' (Free Discharge)
1=Exfiltration (Controls 7.92 cfs)

Pond B-1: PROPOSED DRY INFILTRATION BASIN



Summary for Pond EX-B-1: EXISTING DRY INFILTRATION BASIN

Inflow Area = 44,585 sf, 58.12% Impervious, Inflow Depth > 12.00" for SFWMD 100 YR 3 DAY event
Inflow = 8.10 cfs @ 59.89 hrs, Volume= 44,596 cf
Outflow = 4.80 cfs @ 60.10 hrs, Volume= 44,596 cf, Atten= 41%, Lag= 12.3 min
Discarded = 2.38 cfs @ 60.10 hrs, Volume= 39,039 cf
Primary = 2.42 cfs @ 60.10 hrs, Volume= 5,557 cf
Routed to Link E-1 : EXISTING RUNOFF

Routing by Dyn-Stor-Ind method, Time Span= 0.00-72.00 hrs, dt= 0.01 hrs
Peak Elev= 24.31' @ 60.10 hrs Surf.Area= 5,487 sf Storage= 6,127 cf

Plug-Flow detention time= (not calculated: outflow precedes inflow)
Center-of-Mass det. time= 7.7 min (3,217.4 - 3,209.7)

Volume	Invert	Avail.Storage	Storage Description
#1	22.50'	7,209 cf	**Custom Stage Data (Irregular)** Listed below (Recalc)

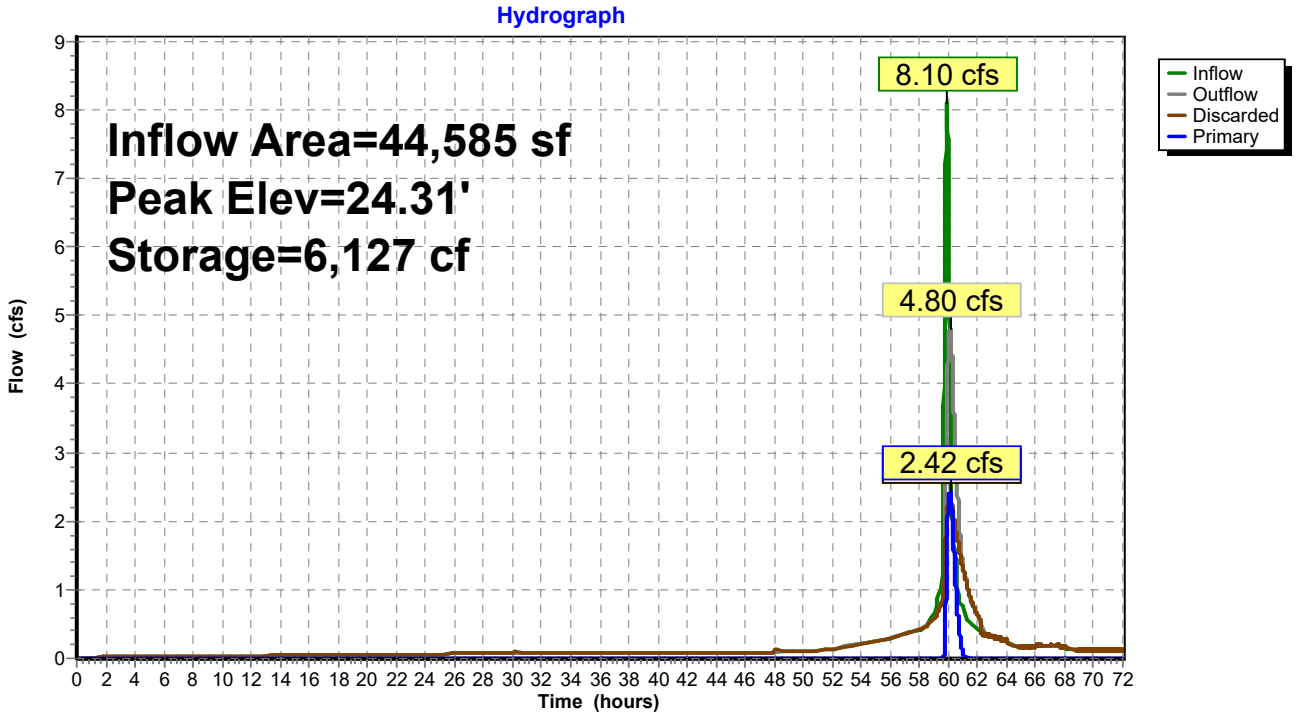
Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
22.50	1,503	204.0	0	0	1,503
23.00	2,488	243.1	987	987	2,899
23.50	3,549	272.4	1,501	2,489	4,107
24.50	5,997	308.6	4,720	7,209	5,806

Device	Routing	Invert	Outlet Devices
#1	Primary	23.01'	**12.0" Round Corruguated PE Pipe** L= 22.6' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 23.00' / 23.01' S= -0.0004 '/' Cc= 0.900 n= 0.009 Corrugated PE, smooth interior, Flow Area= 0.79 sf
#2	Discarded	22.50'	**15.000 in/hr Exfiltration over Wetted area** Conductivity to Groundwater Elevation = 18.00'

Discarded OutFlow Max=2.38 cfs @ 60.10 hrs HW=24.31' (Free Discharge)
↑**2=Exfiltration** (Controls 2.38 cfs)

Primary OutFlow Max=2.42 cfs @ 60.10 hrs HW=24.31' TW=0.00' (Dynamic Tailwater)
↑**1=Corruguated PE Pipe** (Barrel Controls 2.42 cfs @ 3.09 fps)

Pond EX-B-1: EXISTING DRY INFILTRATION BASIN

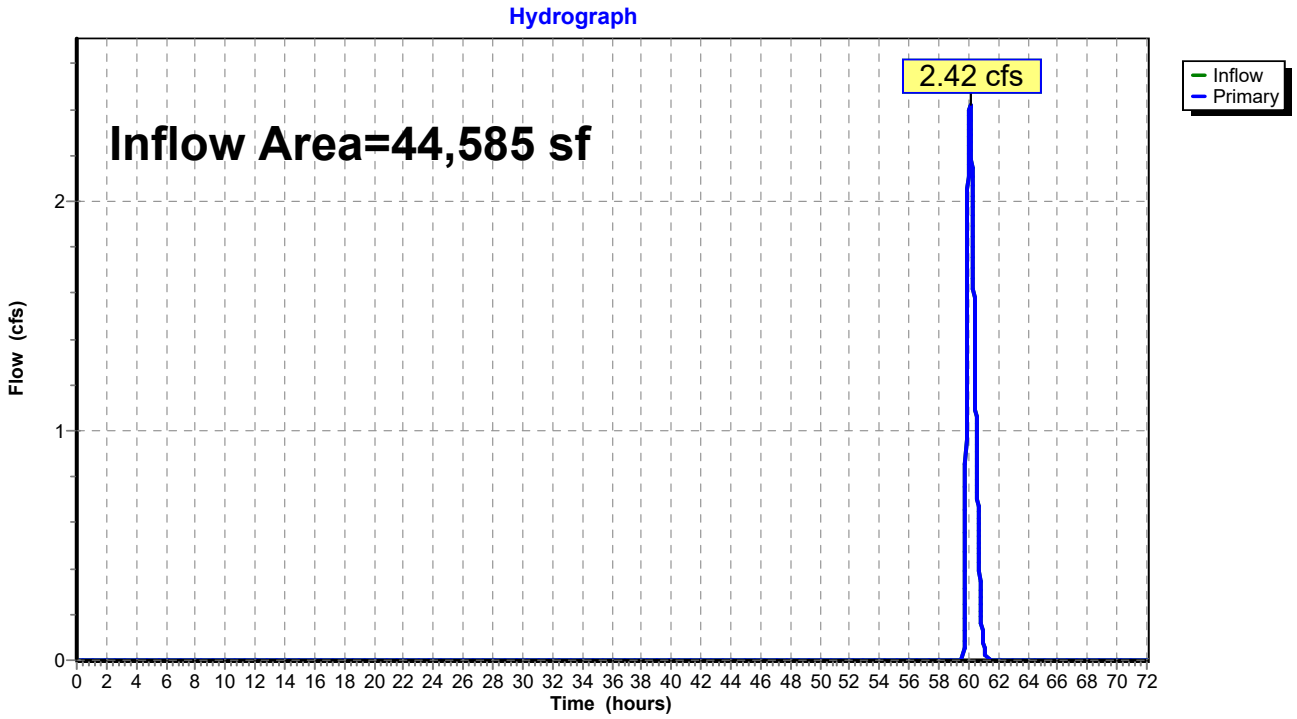


Summary for Link E-1: EXISTING RUNOFF

Inflow Area = 44,585 sf, 58.12% Impervious, Inflow Depth = 1.50" for SFWMD 100 YR 3 DAY event
Inflow = 2.42 cfs @ 60.10 hrs, Volume= 5,557 cf
Primary = 2.42 cfs @ 60.10 hrs, Volume= 5,557 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-72.00 hrs, dt= 0.01 hrs

Link E-1: EXISTING RUNOFF

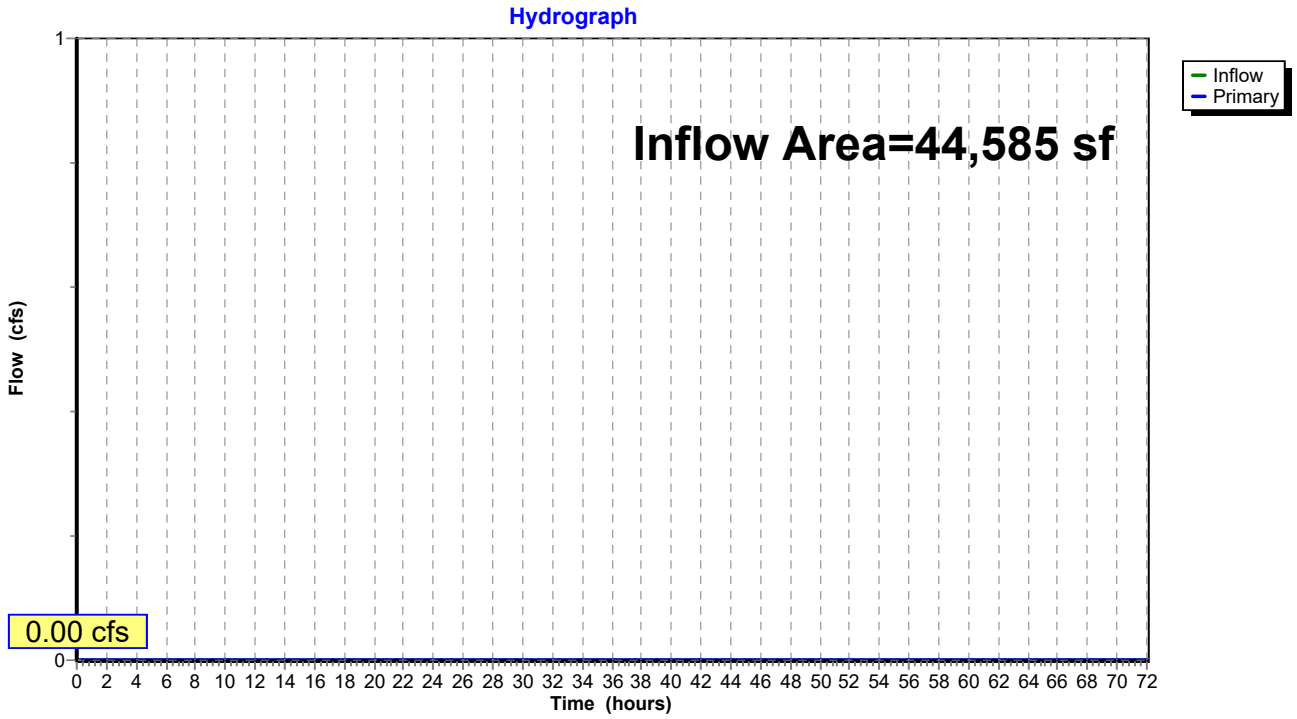


Summary for Link P-1: PROPOSED RUNOFF

Inflow Area = 44,585 sf, 54.28% Impervious, Inflow Depth = 0.00" for SFWMD 100 YR 3 DAY event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-72.00 hrs, dt= 0.01 hrs

Link P-1: PROPOSED RUNOFF



APPENDIX D-5
SFWMD 10-YEAR, 1-DAY HYDROGRAPHS

Summary for Subcatchment E1-A: EXISTING DRAINAGE AREA

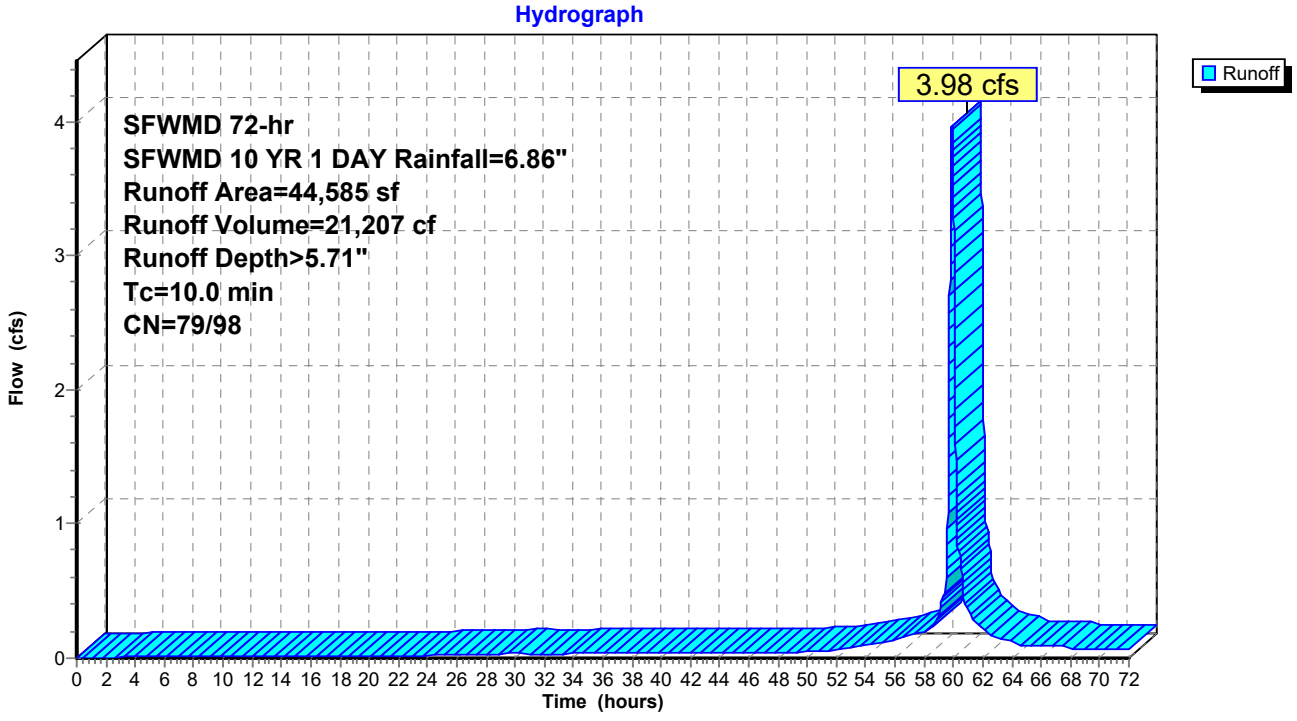
Runoff = 3.98 cfs @ 59.89 hrs, Volume= 21,207 cf, Depth> 5.71"
Routed to Pond EX-B-1 : EXISTING DRY INFILTRATION BASIN

Runoff by SCS TR-20 method, UH=SCS, Split Pervious/Imperv., Time Span= 0.00-72.00 hrs, dt= 0.01 hrs
SFWMD 72-hr SFWMD 10 YR 1 DAY Rainfall=6.86"

Area (sf)	CN	Description
25,913	98	Paved parking, HSG A
18,672	79	<50% Grass cover, Poor, HSG B
44,585	90	Weighted Average
18,672	79	41.88% Pervious Area
25,913	98	58.12% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					**Direct Entry,**

Subcatchment E1-A: EXISTING DRAINAGE AREA



Summary for Subcatchment P1-A: PROPOSED DRAINAGE AREA

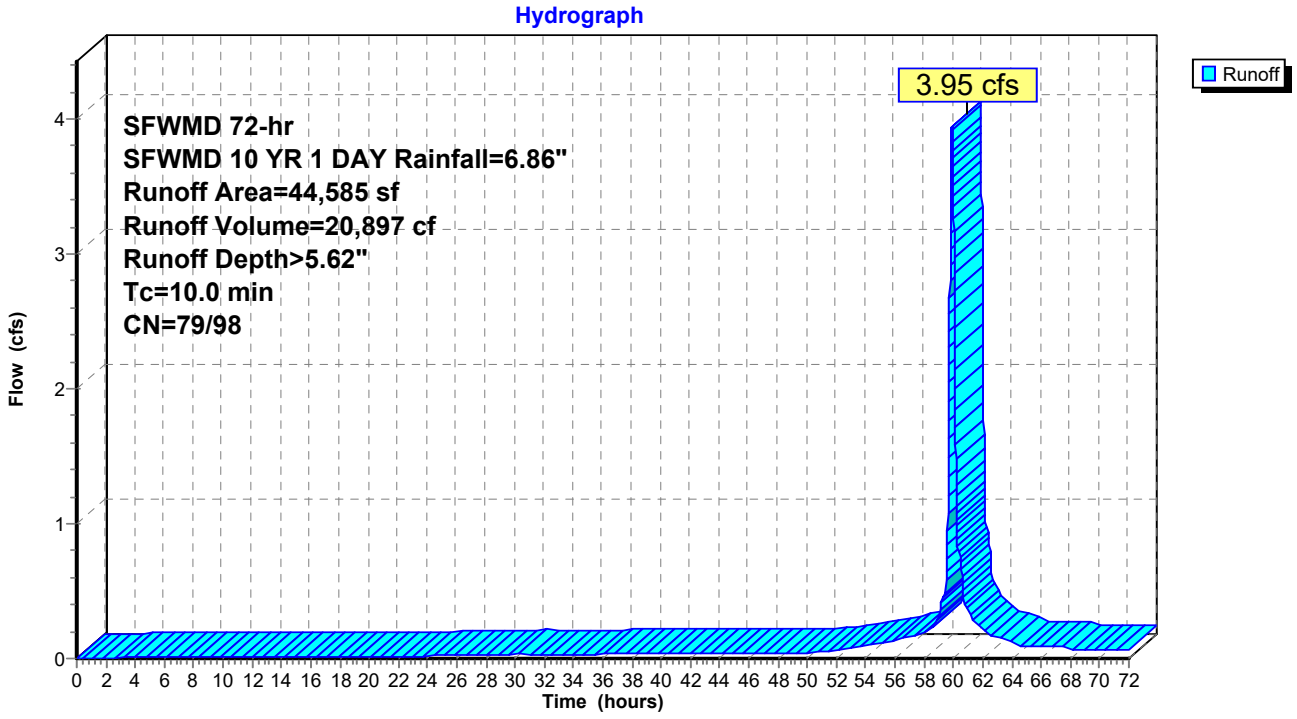
Runoff = 3.95 cfs @ 59.89 hrs, Volume= 20,897 cf, Depth> 5.62"

Runoff by SCS TR-20 method, UH=SCS, Split Pervious/Imperv., Time Span= 0.00-72.00 hrs, dt= 0.01 hrs
SFWMD 72-hr SFWMD 10 YR 1 DAY Rainfall=6.86"

Area (sf)	CN	Description
24,199	98	Paved parking, HSG A
20,386	79	<50% Grass cover, Poor, HSG B
44,585	89	Weighted Average
20,386	79	45.72% Pervious Area
24,199	98	54.28% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					**Direct Entry,**

Subcatchment P1-A: PROPOSED DRAINAGE AREA



Summary for Pond B-1: PROPOSED DRY INFILTRATION BASIN

Inflow	=	0.00 cfs @	0.00 hrs, Volume=	0 cf	
Outflow	=	22.75 cfs @	0.00 hrs, Volume=	8,020 cf,	Atten= 0%, Lag= 0.0 min
Discarded	=	22.75 cfs @	0.00 hrs, Volume=	8,020 cf	

Routing by Dyn-Stor-Ind method, Time Span= 0.00-72.00 hrs, dt= 0.01 hrs
Starting Elev= 24.50' Surf.Area= 11,617 sf Storage= 7,590 cf
Peak Elev= 24.50' @ 0.00 hrs Surf.Area= 11,617 sf Storage= 7,590 cf

Plug-Flow detention time= (not calculated: no plugs found)
Center-of-Mass det. time= (not calculated: no inflow)

Volume	Invert	Avail.Storage	Storage Description
#1	22.50'	3,141 cf	**NORTH BASIN (Irregular)** Listed below (Recalc)
#2	22.50'	901 cf	**SW BASIN (Irregular)** Listed below (Recalc)
#3	22.50'	170 cf	**SOUTH BASIN (Irregular)** Listed below (Recalc)
#4	22.50'	948 cf	**SE BASIN (Irregular)** Listed below (Recalc)
#5	23.15'	148 cf	**12.0" Round Pipe Storage** L= 189.0'
#6	23.15'	8 cf	**12.0" Round Pipe Storage** L= 10.0'
#7	23.80'	20 cf	**12.0" Round Pipe Storage** L= 25.0'
#8	21.83'	0 cf	**NORTH BASIN SOIL LAYER (Irregular)** Listed below (Recalc) 1,616 cf Overall x 0.0% Voids
#9	20.50'	1,604 cf	**NORTH BASIN STONE LAYER (Irregular)** Listed below (Recalc) 3,208 cf Overall x 50.0% Voids
#10	21.83'	0 cf	**SE BASIN SOIL LAYER (Irregular)** Listed below (Recalc) 314 cf Overall x 0.0% Voids
#11	20.50'	311 cf	**SE BASIN STONE LAYER (Irregular)** Listed below (Recalc) 622 cf Overall x 50.0% Voids
#12	21.83'	0 cf	**SOUTH BASIN SOIL LAYER (Irregular)** Listed below (Recalc) 51 cf Overall x 0.0% Voids
#13	20.50'	51 cf	**SOUTH BASIN STONE LAYER (Irregular)** Listed below (Recalc) 101 cf Overall x 50.0% Voids
#14	21.83'	0 cf	**SW BASIN SOIL LAYER (Irregular)** Listed below (Recalc) 140 cf Overall x 0.0% Voids
#15	20.50'	294 cf	**SW BASIN STONE LAYER (Irregular)** Listed below (Recalc) 588 cf Overall x 50.0% Voids
		7,595 cf	Total Available Storage

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
22.50	225	69.0	0	0	225
23.00	575	342.7	193	193	9,193
23.50	1,487	646.3	498	691	33,088
24.00	2,464	657.0	978	1,669	34,244
24.50	3,453	665.6	1,472	3,141	35,208

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
22.50	226	60.7	0	0	226
23.50	442	81.4	328	328	471
24.50	714	101.2	573	901	772

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
22.50	7	12.5	0	0	7
23.50	76	32.8	35	35	84
24.50	203	51.7	134	170	218

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
22.50	176	58.6	0	0	176
23.50	468	109.2	310	310	857
24.50	825	128.6	638	948	1,243

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
21.83	2,412	654.9	0	0	2,412
22.50	2,412	654.9	1,616	1,616	2,851

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
20.50	2,412	654.9	0	0	2,412
21.83	2,412	654.9	3,208	3,208	3,283

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
21.83	468	109.2	0	0	468
22.50	468	109.2	314	314	541

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
20.50	468	109.2	0	0	468
21.83	468	109.2	622	622	613

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
21.83	76	32.8	0	0	76
22.50	76	32.8	51	51	98

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
20.50	76	32.8	0	0	76
21.83	76	32.8	101	101	120

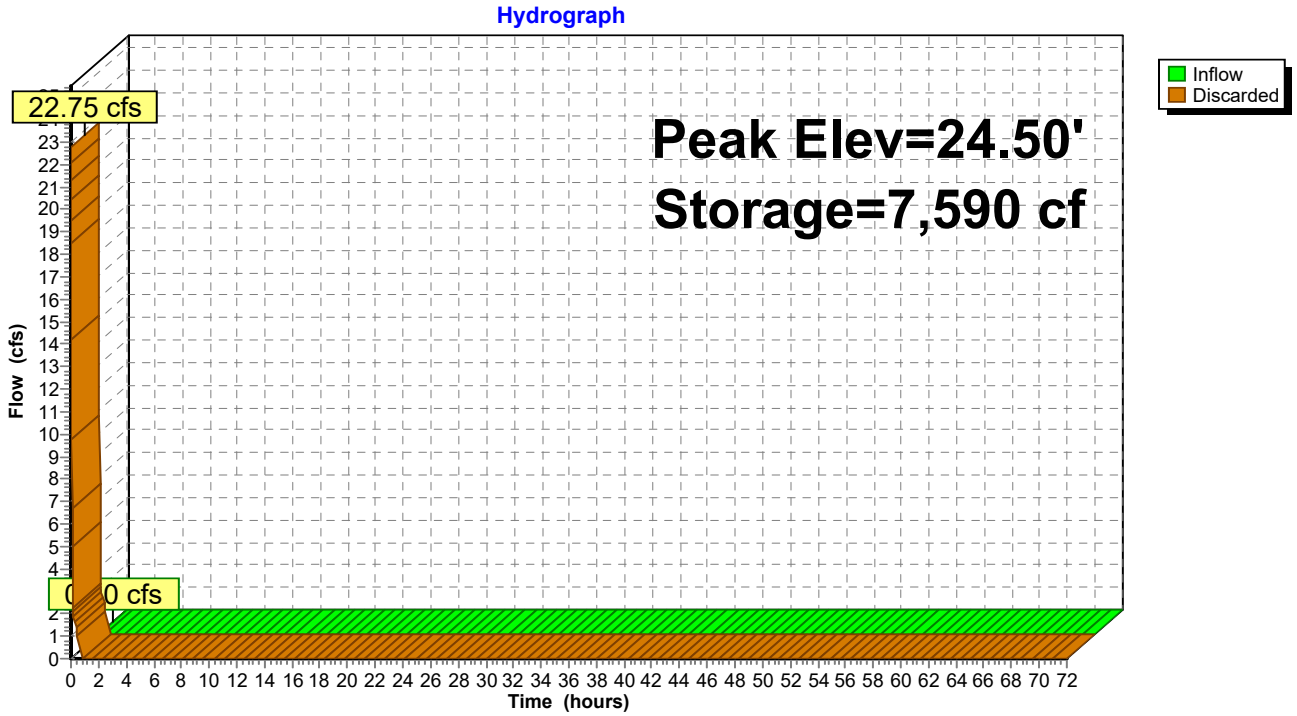
Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
21.83	442	81.4	0	0	442
22.50	45	81.4	140	140	497

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
20.50	442	81.4	0	0	442
21.83	442	81.4	588	588	550

Device	Routing	Invert	Outlet Devices
#1	Discarded	20.50'	**15.000 in/hr Exfiltration over Wetted area** Conductivity to Groundwater Elevation = 18.00'

Discarded OutFlow Max=22.75 cfs @ 0.00 hrs HW=24.50' (Free Discharge)
└**1=Exfiltration** (Controls 22.75 cfs)

Pond B-1: PROPOSED DRY INFILTRATION BASIN



Summary for Pond EX-B-1: EXISTING DRY INFILTRATION BASIN

Inflow Area = 44,585 sf, 58.12% Impervious, Inflow Depth > 5.71" for SFWMD 10 YR 1 DAY event
Inflow = 3.98 cfs @ 59.89 hrs, Volume= 21,207 cf
Outflow = 2.38 cfs @ 60.10 hrs, Volume= 21,210 cf, Atten= 40%, Lag= 12.1 min
Discarded = 1.71 cfs @ 60.10 hrs, Volume= 20,279 cf
Primary = 0.67 cfs @ 60.10 hrs, Volume= 930 cf
Routed to Link E-1 : EXISTING RUNOFF

Routing by Dyn-Stor-Ind method, Time Span= 0.00-72.00 hrs, dt= 0.01 hrs
Peak Elev= 23.58' @ 60.10 hrs Surf.Area= 3,728 sf Storage= 2,791 cf

Plug-Flow detention time= (not calculated: outflow precedes inflow)
Center-of-Mass det. time= 6.3 min (3,267.6 - 3,261.3)

Volume	Invert	Avail.Storage	Storage Description
#1	22.50'	7,209 cf	**Custom Stage Data (Irregular)** Listed below (Recalc)

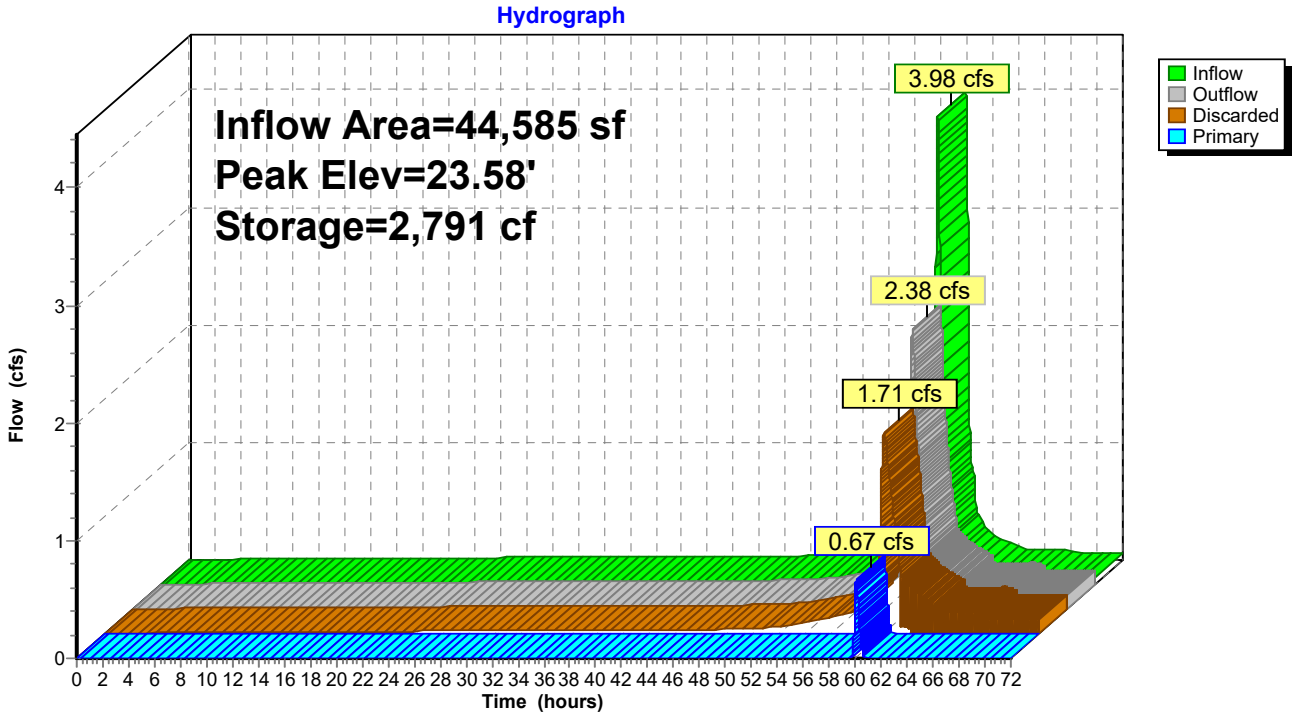
Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
22.50	1,503	204.0	0	0	1,503
23.00	2,488	243.1	987	987	2,899
23.50	3,549	272.4	1,501	2,489	4,107
24.50	5,997	308.6	4,720	7,209	5,806

Device	Routing	Invert	Outlet Devices
#1	Primary	23.01'	**12.0" Round Corruguated PE Pipe** L= 22.6' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 23.00' / 23.01' S= -0.0004 '/' Cc= 0.900 n= 0.009 Corrugated PE, smooth interior, Flow Area= 0.79 sf
#2	Discarded	22.50'	**15.000 in/hr Exfiltration over Wetted area** Conductivity to Groundwater Elevation = 18.00'

Discarded OutFlow Max=1.71 cfs @ 60.10 hrs HW=23.58' (Free Discharge)
↑**2=Exfiltration** (Controls 1.71 cfs)

Primary OutFlow Max=0.67 cfs @ 60.10 hrs HW=23.58' TW=0.00' (Dynamic Tailwater)
↑**1=Corruguated PE Pipe** (Barrel Controls 0.67 cfs @ 2.03 fps)

Pond EX-B-1: EXISTING DRY INFILTRATION BASIN

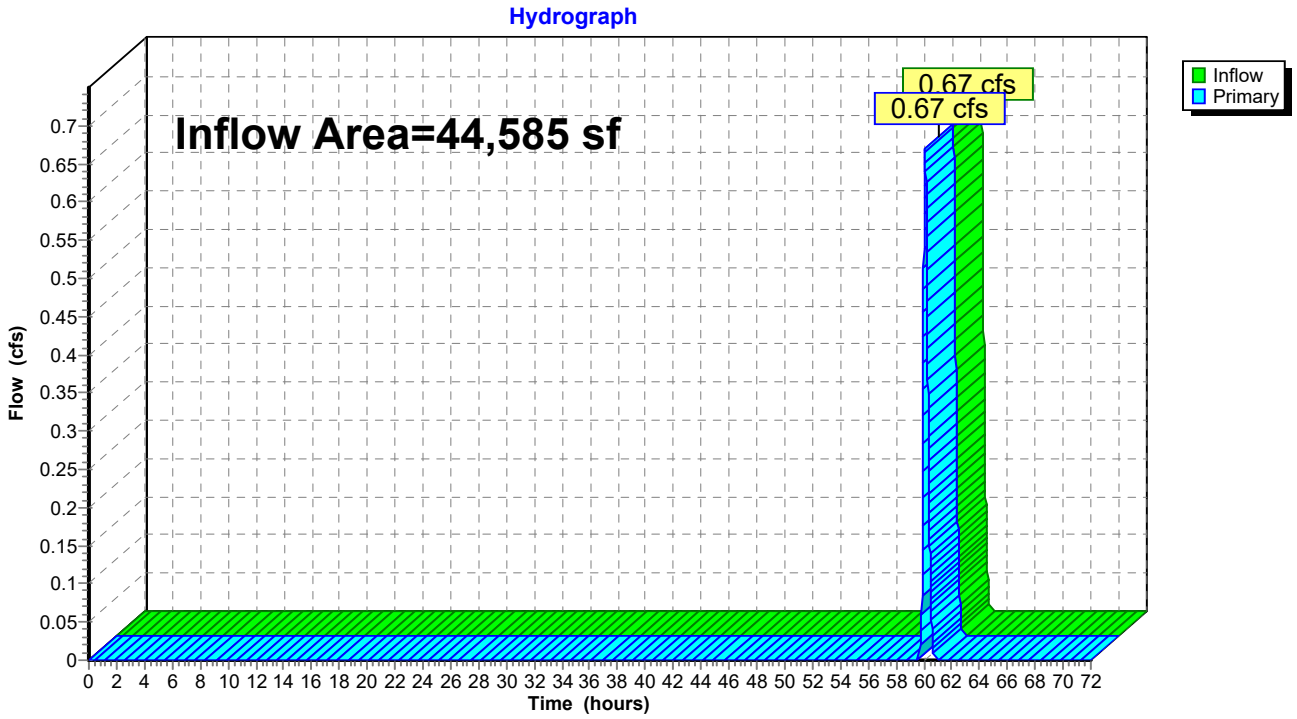


Summary for Link E-1: EXISTING RUNOFF

Inflow Area = 44,585 sf, 58.12% Impervious, Inflow Depth = 0.25" for SFWMD 10 YR 1 DAY event
Inflow = 0.67 cfs @ 60.10 hrs, Volume= 930 cf
Primary = 0.67 cfs @ 60.10 hrs, Volume= 930 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-72.00 hrs, dt= 0.01 hrs

Link E-1: EXISTING RUNOFF

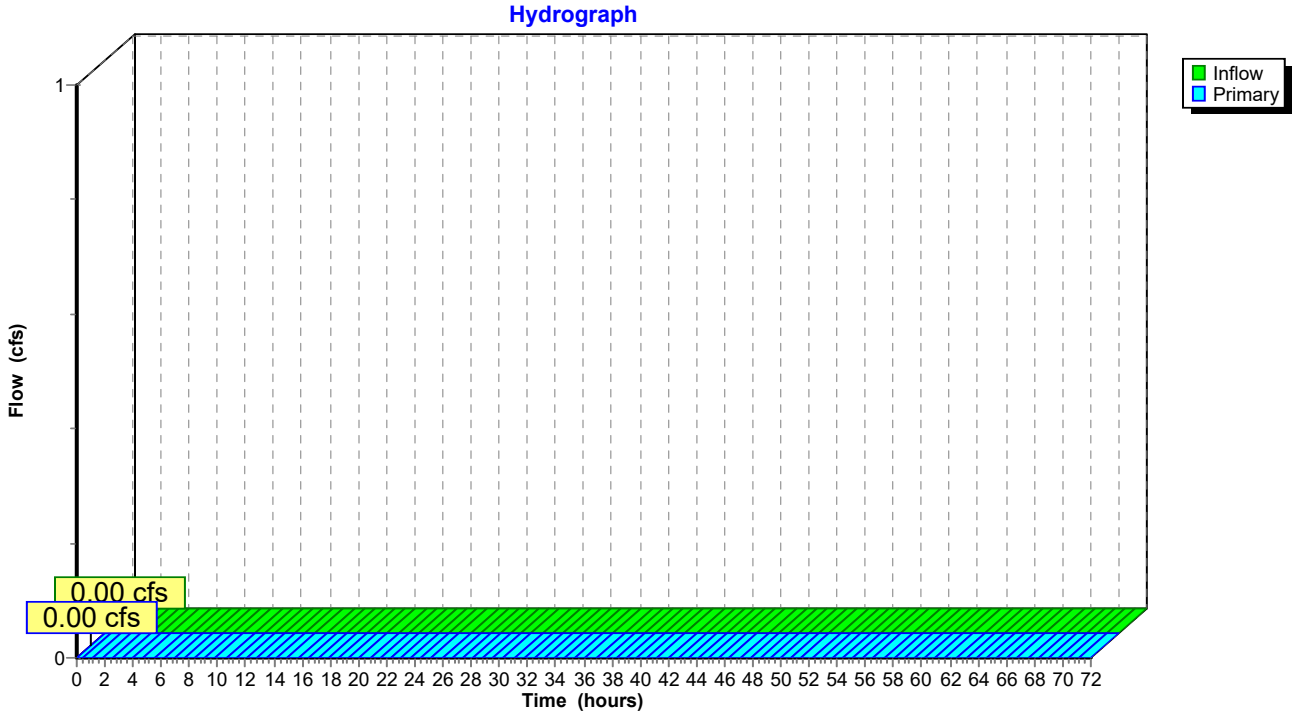


Summary for Link P-1: PROPOSED RUNOFF

Inflow	=	0.00 cfs @	0.00 hrs, Volume=	0 cf
Primary	=	0.00 cfs @	0.00 hrs, Volume=	0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-72.00 hrs, dt= 0.01 hrs

Link P-1: PROPOSED RUNOFF



APPENDIX D-6
SFWMD TREATMENT CALCULATIONS

STONEFIELD
engineering & design

SFWMD Water Treatment Calculations
Proposed Car Wash
Unincorporated Lee County
Lee County, Florida
2701 Lee Boulevard
Date: 03/27/2026

Treatment Volume					
	Site Area (SF)	Required Treatment (FT)	Impervious Coverage (%)	Retention Multiplies	Total Volume (CF)
Required Treatment (1" Entire Site)	44,585	0.08	-	1.50	5,573
Required Treatment (2.5" Impervious Area)	44,585	0.21	0.54	1.50	7,562

PROPOSED TOTALS	
Land Cover	Total
Impervious	24,199
Pond	0
Grass - B	20,386
TOTAL	44,585

Stage-Area-Storage for Pond B-1: PROPOSED DRY INFILTRATION BASIN

Elevation (feet)	Wetted (sq-ft)	Storage (cubic-feet)
20.50	3,398	0
20.51	3,407	17
20.52	3,416	34
20.53	3,424	51
20.54	3,433	68
20.55	3,442	85
20.56	3,451	102
20.57	3,459	119
20.58	3,468	136
20.59	3,477	153
20.60	3,486	170
20.61	3,495	187
20.62	3,503	204
20.63	3,512	221
20.64	3,521	238
20.65	3,530	255
20.66	3,539	272
20.67	3,547	289
20.68	3,556	306
20.69	3,565	323
20.70	3,574	340
20.71	3,582	357
20.72	3,591	374
20.73	3,600	391
20.74	3,609	408
20.75	3,618	425
20.76	3,626	442
20.77	3,635	459
20.78	3,644	476
20.79	3,653	493
20.80	3,661	510
20.81	3,670	527
20.82	3,679	544
20.83	3,688	561
20.84	3,697	578
20.85	3,705	595
20.86	3,714	612
20.87	3,723	629
20.88	3,732	646
20.89	3,741	663
20.90	3,749	680
20.91	3,758	697
20.92	3,767	714
20.93	3,776	731
20.94	3,784	748
20.95	3,793	765
20.96	3,802	782
20.97	3,811	799
20.98	3,820	816
20.99	3,828	833
21.00	3,837	850
21.01	3,846	866
21.02	3,855	883
21.03	3,863	900
21.04	3,872	917
21.05	3,881	934
21.06	3,890	951
21.07	3,899	968
21.08	3,907	985
21.09	3,916	1,002
21.10	3,925	1,019
21.11	3,934	1,036
21.12	3,943	1,053
21.13	3,951	1,070
21.14	3,960	1,087
21.15	3,969	1,104
21.16	3,978	1,121
21.17	3,986	1,138
21.18	3,995	1,155
21.19	4,004	1,172
21.20	4,013	1,189
21.21	4,022	1,206
21.22	4,030	1,223
21.23	4,039	1,240
21.24	4,048	1,257
21.25	4,057	1,274
21.26	4,066	1,291
21.27	4,074	1,308
21.28	4,083	1,325
21.29	4,092	1,342
21.30	4,101	1,359
21.31	4,109	1,376
21.32	4,118	1,393
21.33	4,127	1,410
21.34	4,136	1,427
21.35	4,145	1,444
21.36	4,153	1,461
21.37	4,162	1,478
21.38	4,171	1,495
21.39	4,180	1,512
21.40	4,188	1,529
21.41	4,197	1,546
21.42	4,206	1,563
21.43	4,215	1,580
21.44	4,224	1,597
21.45	4,232	1,614
21.46	4,241	1,631
21.47	4,250	1,648
21.48	4,259	1,665
21.49	4,268	1,682
21.50	4,276	1,699
21.51	4,285	1,716
21.52	4,294	1,733
21.53	4,303	1,750

Stage-Area-Storage for Pond B-1: PROPOSED DRY INFILTRATION BASIN (continued)

Elevation (feet)	Wetted (sq-ft)	Storage (cubic-feet)
21.54	4,311	1,767
21.55	4,320	1,784
21.56	4,329	1,801
21.57	4,338	1,818
21.58	4,347	1,835
21.59	4,355	1,852
21.60	4,364	1,869
21.61	4,373	1,886
21.62	4,382	1,903
21.63	4,390	1,920
21.64	4,399	1,937
21.65	4,408	1,954
21.66	4,417	1,971
21.67	4,426	1,988
21.68	4,434	2,005
21.69	4,443	2,022
21.70	4,452	2,039
21.71	4,461	2,056
21.72	4,470	2,073
21.73	4,478	2,090
21.74	4,487	2,107
21.75	4,496	2,124
21.76	4,505	2,141
21.77	4,513	2,158
21.78	4,522	2,175
21.79	4,531	2,192
21.80	4,540	2,209
21.81	4,549	2,226
21.82	4,557	2,243
21.83	7,964	2,260
21.84	7,973	2,260
21.85	7,982	2,260
21.86	7,990	2,260
21.87	7,999	2,260
21.88	8,008	2,260
21.89	8,017	2,260
21.90	8,026	2,260
21.91	8,034	2,260
21.92	8,043	2,260
21.93	8,052	2,260
21.94	8,061	2,260
21.95	8,070	2,260
21.96	8,078	2,260
21.97	8,087	2,260
21.98	8,096	2,260
21.99	8,105	2,260
22.00	8,113	2,260
22.01	8,122	2,260
22.02	8,131	2,260
22.03	8,140	2,260
22.04	8,149	2,260
22.05	8,157	2,260
22.06	8,166	2,260
22.07	8,175	2,260
22.08	8,184	2,260
22.09	8,192	2,260
22.10	8,201	2,260
22.11	8,210	2,260
22.12	8,219	2,260
22.13	8,228	2,260
22.14	8,236	2,260
22.15	8,245	2,260
22.16	8,254	2,260
22.17	8,263	2,260
22.18	8,272	2,260
22.19	8,280	2,260
22.20	8,289	2,260
22.21	8,298	2,260
22.22	8,307	2,260
22.23	8,315	2,260
22.24	8,324	2,260
22.25	8,333	2,260
22.26	8,342	2,260
22.27	8,351	2,260
22.28	8,359	2,260
22.29	8,368	2,260
22.30	8,377	2,260
22.31	8,386	2,260
22.32	8,395	2,260
22.33	8,403	2,260
22.34	8,412	2,260
22.35	8,421	2,260
22.36	8,430	2,260
22.37	8,438	2,260
22.38	8,447	2,260
22.39	8,456	2,260
22.40	8,465	2,260
22.41	8,474	2,260
22.42	8,482	2,260
22.43	8,491	2,260
22.44	8,500	2,260
22.45	8,509	2,260
22.46	8,517	2,260
22.47	8,526	2,260
22.48	8,535	2,260
22.49	8,544	2,260
22.50	9,187	2,260
22.51	9,256	2,266
22.52	9,331	2,273
22.53	9,410	2,279
22.54	9,495	2,286
22.55	9,584	2,293
22.56	9,678	2,299
22.57	9,776	2,306

Stage-Area-Storage for Pond B-1: PROPOSED DRY INFILTRATION BASIN (continued)

Elevation (feet)	Wetted (sq-ft)	Storage (cubic-feet)
22.58	9,880	2,314
22.59	9,988	2,321
22.60	10,102	2,328
22.61	10,220	2,336
22.62	10,343	2,343
22.63	10,470	2,351
22.64	10,603	2,358
22.65	10,740	2,366
22.66	10,882	2,374
22.67	11,029	2,382
22.68	11,181	2,390
22.69	11,338	2,399
22.70	11,499	2,407
22.71	11,665	2,416
22.72	11,837	2,424
22.73	12,013	2,433
22.74	12,193	2,442
22.75	12,379	2,451
22.76	12,569	2,460
22.77	12,765	2,469
22.78	12,965	2,479
22.79	13,169	2,488
22.80	13,379	2,498
22.81	13,594	2,508
22.82	13,813	2,517
22.83	14,037	2,527
22.84	14,266	2,538
22.85	14,500	2,548
22.86	14,739	2,558
22.87	14,982	2,569
22.88	15,230	2,579
22.89	15,484	2,590
22.90	15,742	2,601
22.91	16,004	2,612
22.92	16,272	2,623
22.93	16,544	2,635
22.94	16,822	2,646
22.95	17,104	2,658
22.96	17,391	2,669
22.97	17,682	2,681
22.98	17,979	2,693
22.99	18,280	2,705
23.00	18,586	2,718
23.01	18,931	2,730
23.02	19,281	2,743
23.03	19,637	2,756
23.04	19,999	2,769
23.05	20,367	2,782
23.06	20,740	2,796
23.07	21,120	2,809
23.08	21,506	2,823
23.09	21,897	2,837
23.10	22,295	2,852
23.11	22,698	2,866
23.12	23,107	2,881
23.13	23,523	2,896
23.14	23,944	2,911
23.15	24,371	2,927
23.16	24,844	2,942
23.17	25,300	2,959
23.18	25,757	2,976
23.19	26,219	2,993
23.20	26,685	3,010
23.21	27,157	3,028
23.22	27,633	3,046
23.23	28,115	3,064
23.24	28,603	3,083
23.25	29,096	3,102
23.26	29,595	3,121
23.27	30,099	3,141
23.28	30,609	3,161
23.29	31,125	3,181
23.30	31,647	3,201
23.31	32,174	3,222
23.32	32,707	3,243
23.33	33,246	3,264
23.34	33,791	3,286
23.35	34,342	3,308
23.36	34,898	3,330
23.37	35,460	3,353
23.38	36,028	3,376
23.39	36,602	3,399
23.40	37,182	3,422
23.41	37,768	3,446
23.42	38,359	3,470
23.43	38,957	3,494
23.44	39,560	3,519
23.45	40,169	3,544
23.46	40,784	3,569
23.47	41,405	3,595
23.48	42,032	3,621
23.49	42,665	3,647
23.50	43,303	3,673
23.51	43,338	3,700
23.52	43,372	3,727
23.53	43,407	3,754
23.54	43,441	3,782
23.55	43,475	3,809
23.56	43,510	3,837
23.57	43,544	3,866
23.58	43,579	3,894
23.59	43,613	3,923
23.60	43,648	3,952
23.61	43,682	3,981

Stage-Area-Storage for Pond B-1: PROPOSED DRY INFILTRATION BASIN (continued)

Elevation (feet)	Wetted (sq-ft)	Storage (cubic-feet)
23.62	43,717	4,011
23.63	43,751	4,040
23.64	43,786	4,070
23.65	43,820	4,101
23.66	43,855	4,131
23.67	43,890	4,162
23.68	43,924	4,193
23.69	43,959	4,224
23.70	43,994	4,256
23.71	44,028	4,288
23.72	44,063	4,320
23.73	44,098	4,352
23.74	44,133	4,384
23.75	44,168	4,417
23.76	44,203	4,450
23.77	44,238	4,484
23.78	44,273	4,517
23.79	44,308	4,551
23.80	44,343	4,585
23.81	44,383	4,620
23.82	44,421	4,654
23.83	44,458	4,689
23.84	44,494	4,724
23.85	44,531	4,760
23.86	44,568	4,796
23.87	44,604	4,832
23.88	44,641	4,868
23.89	44,677	4,905
23.90	44,714	4,941
23.91	44,751	4,978
23.92	44,788	5,016
23.93	44,825	5,054
23.94	44,861	5,091
23.95	44,899	5,130
23.96	44,936	5,168
23.97	44,973	5,207
23.98	45,010	5,246
23.99	45,048	5,285
24.00	45,085	5,324
24.01	45,119	5,364
24.02	45,153	5,404
24.03	45,187	5,444
24.04	45,221	5,485
24.05	45,256	5,525
24.06	45,291	5,566
24.07	45,326	5,607
24.08	45,362	5,648
24.09	45,398	5,690
24.10	45,435	5,731
24.11	45,472	5,773
24.12	45,511	5,815
24.13	45,552	5,857
24.14	45,597	5,899
24.15	45,665	5,942
24.16	45,694	5,984
24.17	45,722	6,027
24.18	45,750	6,070
24.19	45,778	6,113
24.20	45,807	6,156
24.21	45,835	6,200
24.22	45,864	6,244
24.23	45,892	6,288
24.24	45,920	6,333
24.25	45,949	6,377
24.26	45,977	6,422
24.27	46,006	6,468
24.28	46,034	6,513
24.29	46,063	6,559
24.30	46,091	6,606
24.31	46,120	6,652
24.32	46,149	6,699
24.33	46,177	6,746
24.34	46,206	6,793
24.35	46,235	6,841
24.36	46,263	6,889
24.37	46,292	6,937
24.38	46,321	6,986
24.39	46,350	7,034
24.40	46,378	7,083
24.41	46,407	7,133
24.42	46,436	7,182
24.43	46,465	7,232
24.44	46,494	7,283
24.45	46,523	7,333
24.46	46,552	7,384
24.47	46,581	7,435
24.48	46,610	7,487
24.49	46,639	7,538
24.50	46,668	7,590
24.51	46,669	7,591
24.52	46,669	7,591
24.53	46,670	7,591
24.54	46,670	7,591
24.55	46,671	7,591
24.56	46,671	7,592
24.57	46,672	7,592
24.58	46,673	7,592
24.59	46,673	7,592
24.60	46,674	7,593
24.61	46,675	7,593
24.62	46,675	7,593
24.63	46,676	7,593
24.64	46,677	7,593
24.65	46,677	7,593

WATER QUALITY VOLUME

Stage-Area-Storage for Pond B-1: PROPOSED DRY INFILTRATION BASIN (continued)

Elevation (feet)	Wetted (sq-ft)	Storage (cubic-feet)
24.66	46,678	7,594
24.67	46,679	7,594
24.68	46,679	7,594
24.69	46,680	7,594
24.70	46,681	7,594
24.71	46,682	7,594
24.72	46,683	7,595
24.73	46,684	7,595
24.74	46,685	7,595
24.75	46,686	7,595
24.76	46,687	7,595
24.77	46,688	7,595
24.78	46,690	7,595
24.79	46,692	7,595
24.80	**46,697**	**7,595**

Hydrograph for Pond B-1: PROPOSED DRY INFILTRATION BASIN

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Discarded (cfs)
0.00	**0.00**	**7,590**	**24.50**	**22.75**
0.20	0.00	1,455	21.36	1.88
0.40	0.00	314	20.69	1.33
0.60	0.00	0	20.50	0.00
0.80	0.00	0	20.50	0.00
1.00	0.00	0	20.50	0.00
1.20	0.00	0	20.50	0.00
1.40	0.00	0	20.50	0.00
1.60	0.00	0	20.50	0.00
1.80	0.00	0	20.50	0.00
2.00	0.00	0	20.50	0.00
2.20	0.00	0	20.50	0.00
2.40	0.00	0	20.50	0.00
2.60	0.00	0	20.50	0.00
2.80	0.00	0	20.50	0.00
3.00	0.00	0	20.50	0.00
3.20	0.00	0	20.50	0.00
3.40	0.00	0	20.50	0.00
3.60	0.00	0	20.50	0.00
3.80	0.00	0	20.50	0.00
4.00	0.00	0	20.50	0.00
4.20	0.00	0	20.50	0.00
4.40	0.00	0	20.50	0.00
4.60	0.00	0	20.50	0.00
4.80	0.00	0	20.50	0.00
5.00	0.00	0	20.50	0.00
5.20	0.00	0	20.50	0.00
5.40	0.00	0	20.50	0.00
5.60	0.00	0	20.50	0.00
5.80	0.00	0	20.50	0.00
6.00	0.00	0	20.50	0.00
6.20	0.00	0	20.50	0.00
6.40	0.00	0	20.50	0.00
6.60	0.00	0	20.50	0.00
6.80	0.00	0	20.50	0.00
7.00	0.00	0	20.50	0.00
7.20	0.00	0	20.50	0.00
7.40	0.00	0	20.50	0.00
7.60	0.00	0	20.50	0.00
7.80	0.00	0	20.50	0.00
8.00	0.00	0	20.50	0.00
8.20	0.00	0	20.50	0.00
8.40	0.00	0	20.50	0.00
8.60	0.00	0	20.50	0.00
8.80	0.00	0	20.50	0.00
9.00	0.00	0	20.50	0.00
9.20	0.00	0	20.50	0.00
9.40	0.00	0	20.50	0.00
9.60	0.00	0	20.50	0.00
9.80	0.00	0	20.50	0.00
10.00	0.00	0	20.50	0.00
10.20	0.00	0	20.50	0.00

BASIN RECOVERY @ 0.50 HOURS

Hydrograph for Pond B-1: PROPOSED DRY INFILTRATION BASIN (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Discarded (cfs)
10.40	0.00	0	20.50	0.00
10.60	0.00	0	20.50	0.00
10.80	0.00	0	20.50	0.00
11.00	0.00	0	20.50	0.00
11.20	0.00	0	20.50	0.00
11.40	0.00	0	20.50	0.00
11.60	0.00	0	20.50	0.00
11.80	0.00	0	20.50	0.00
12.00	0.00	0	20.50	0.00
12.20	0.00	0	20.50	0.00
12.40	0.00	0	20.50	0.00
12.60	0.00	0	20.50	0.00
12.80	0.00	0	20.50	0.00
13.00	0.00	0	20.50	0.00
13.20	0.00	0	20.50	0.00
13.40	0.00	0	20.50	0.00
13.60	0.00	0	20.50	0.00
13.80	0.00	0	20.50	0.00
14.00	0.00	0	20.50	0.00
14.20	0.00	0	20.50	0.00
14.40	0.00	0	20.50	0.00
14.60	0.00	0	20.50	0.00
14.80	0.00	0	20.50	0.00
15.00	0.00	0	20.50	0.00
15.20	0.00	0	20.50	0.00
15.40	0.00	0	20.50	0.00
15.60	0.00	0	20.50	0.00
15.80	0.00	0	20.50	0.00
16.00	0.00	0	20.50	0.00
16.20	0.00	0	20.50	0.00
16.40	0.00	0	20.50	0.00
16.60	0.00	0	20.50	0.00
16.80	0.00	0	20.50	0.00
17.00	0.00	0	20.50	0.00
17.20	0.00	0	20.50	0.00
17.40	0.00	0	20.50	0.00
17.60	0.00	0	20.50	0.00
17.80	0.00	0	20.50	0.00
18.00	0.00	0	20.50	0.00
18.20	0.00	0	20.50	0.00
18.40	0.00	0	20.50	0.00
18.60	0.00	0	20.50	0.00
18.80	0.00	0	20.50	0.00
19.00	0.00	0	20.50	0.00
19.20	0.00	0	20.50	0.00
19.40	0.00	0	20.50	0.00
19.60	0.00	0	20.50	0.00
19.80	0.00	0	20.50	0.00
20.00	0.00	0	20.50	0.00
20.20	0.00	0	20.50	0.00
20.40	0.00	0	20.50	0.00
20.60	0.00	0	20.50	0.00

Hydrograph for Pond B-1: PROPOSED DRY INFILTRATION BASIN (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Discarded (cfs)
20.80	0.00	0	20.50	0.00
21.00	0.00	0	20.50	0.00
21.20	0.00	0	20.50	0.00
21.40	0.00	0	20.50	0.00
21.60	0.00	0	20.50	0.00
21.80	0.00	0	20.50	0.00
22.00	0.00	0	20.50	0.00
22.20	0.00	0	20.50	0.00
22.40	0.00	0	20.50	0.00
22.60	0.00	0	20.50	0.00
22.80	0.00	0	20.50	0.00
23.00	0.00	0	20.50	0.00
23.20	0.00	0	20.50	0.00
23.40	0.00	0	20.50	0.00
23.60	0.00	0	20.50	0.00
23.80	0.00	0	20.50	0.00
24.00	0.00	0	20.50	0.00
24.20	0.00	0	20.50	0.00
24.40	0.00	0	20.50	0.00
24.60	0.00	0	20.50	0.00
24.80	0.00	0	20.50	0.00
25.00	0.00	0	20.50	0.00
25.20	0.00	0	20.50	0.00
25.40	0.00	0	20.50	0.00
25.60	0.00	0	20.50	0.00
25.80	0.00	0	20.50	0.00
26.00	0.00	0	20.50	0.00
26.20	0.00	0	20.50	0.00
26.40	0.00	0	20.50	0.00
26.60	0.00	0	20.50	0.00
26.80	0.00	0	20.50	0.00
27.00	0.00	0	20.50	0.00
27.20	0.00	0	20.50	0.00
27.40	0.00	0	20.50	0.00
27.60	0.00	0	20.50	0.00
27.80	0.00	0	20.50	0.00
28.00	0.00	0	20.50	0.00
28.20	0.00	0	20.50	0.00
28.40	0.00	0	20.50	0.00
28.60	0.00	0	20.50	0.00
28.80	0.00	0	20.50	0.00
29.00	0.00	0	20.50	0.00
29.20	0.00	0	20.50	0.00
29.40	0.00	0	20.50	0.00
29.60	0.00	0	20.50	0.00
29.80	0.00	0	20.50	0.00
30.00	0.00	0	20.50	0.00
30.20	0.00	0	20.50	0.00
30.40	0.00	0	20.50	0.00
30.60	0.00	0	20.50	0.00
30.80	0.00	0	20.50	0.00
31.00	0.00	0	20.50	0.00

Hydrograph for Pond B-1: PROPOSED DRY INFILTRATION BASIN (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Discarded (cfs)
31.20	0.00	0	20.50	0.00
31.40	0.00	0	20.50	0.00
31.60	0.00	0	20.50	0.00
31.80	0.00	0	20.50	0.00
32.00	0.00	0	20.50	0.00
32.20	0.00	0	20.50	0.00
32.40	0.00	0	20.50	0.00
32.60	0.00	0	20.50	0.00
32.80	0.00	0	20.50	0.00
33.00	0.00	0	20.50	0.00
33.20	0.00	0	20.50	0.00
33.40	0.00	0	20.50	0.00
33.60	0.00	0	20.50	0.00
33.80	0.00	0	20.50	0.00
34.00	0.00	0	20.50	0.00
34.20	0.00	0	20.50	0.00
34.40	0.00	0	20.50	0.00
34.60	0.00	0	20.50	0.00
34.80	0.00	0	20.50	0.00
35.00	0.00	0	20.50	0.00
35.20	0.00	0	20.50	0.00
35.40	0.00	0	20.50	0.00
35.60	0.00	0	20.50	0.00
35.80	0.00	0	20.50	0.00
36.00	0.00	0	20.50	0.00
36.20	0.00	0	20.50	0.00
36.40	0.00	0	20.50	0.00
36.60	0.00	0	20.50	0.00
36.80	0.00	0	20.50	0.00
37.00	0.00	0	20.50	0.00
37.20	0.00	0	20.50	0.00
37.40	0.00	0	20.50	0.00
37.60	0.00	0	20.50	0.00
37.80	0.00	0	20.50	0.00
38.00	0.00	0	20.50	0.00
38.20	0.00	0	20.50	0.00
38.40	0.00	0	20.50	0.00
38.60	0.00	0	20.50	0.00
38.80	0.00	0	20.50	0.00
39.00	0.00	0	20.50	0.00
39.20	0.00	0	20.50	0.00
39.40	0.00	0	20.50	0.00
39.60	0.00	0	20.50	0.00
39.80	0.00	0	20.50	0.00
40.00	0.00	0	20.50	0.00
40.20	0.00	0	20.50	0.00
40.40	0.00	0	20.50	0.00
40.60	0.00	0	20.50	0.00
40.80	0.00	0	20.50	0.00
41.00	0.00	0	20.50	0.00
41.20	0.00	0	20.50	0.00
41.40	0.00	0	20.50	0.00

Hydrograph for Pond B-1: PROPOSED DRY INFILTRATION BASIN (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Discarded (cfs)
41.60	0.00	0	20.50	0.00
41.80	0.00	0	20.50	0.00
42.00	0.00	0	20.50	0.00
42.20	0.00	0	20.50	0.00
42.40	0.00	0	20.50	0.00
42.60	0.00	0	20.50	0.00
42.80	0.00	0	20.50	0.00
43.00	0.00	0	20.50	0.00
43.20	0.00	0	20.50	0.00
43.40	0.00	0	20.50	0.00
43.60	0.00	0	20.50	0.00
43.80	0.00	0	20.50	0.00
44.00	0.00	0	20.50	0.00
44.20	0.00	0	20.50	0.00
44.40	0.00	0	20.50	0.00
44.60	0.00	0	20.50	0.00
44.80	0.00	0	20.50	0.00
45.00	0.00	0	20.50	0.00
45.20	0.00	0	20.50	0.00
45.40	0.00	0	20.50	0.00
45.60	0.00	0	20.50	0.00
45.80	0.00	0	20.50	0.00
46.00	0.00	0	20.50	0.00
46.20	0.00	0	20.50	0.00
46.40	0.00	0	20.50	0.00
46.60	0.00	0	20.50	0.00
46.80	0.00	0	20.50	0.00
47.00	0.00	0	20.50	0.00
47.20	0.00	0	20.50	0.00
47.40	0.00	0	20.50	0.00
47.60	0.00	0	20.50	0.00
47.80	0.00	0	20.50	0.00
48.00	0.00	0	20.50	0.00
48.20	0.00	0	20.50	0.00
48.40	0.00	0	20.50	0.00
48.60	0.00	0	20.50	0.00
48.80	0.00	0	20.50	0.00
49.00	0.00	0	20.50	0.00
49.20	0.00	0	20.50	0.00
49.40	0.00	0	20.50	0.00
49.60	0.00	0	20.50	0.00
49.80	0.00	0	20.50	0.00
50.00	0.00	0	20.50	0.00
50.20	0.00	0	20.50	0.00
50.40	0.00	0	20.50	0.00
50.60	0.00	0	20.50	0.00
50.80	0.00	0	20.50	0.00
51.00	0.00	0	20.50	0.00
51.20	0.00	0	20.50	0.00
51.40	0.00	0	20.50	0.00
51.60	0.00	0	20.50	0.00
51.80	0.00	0	20.50	0.00

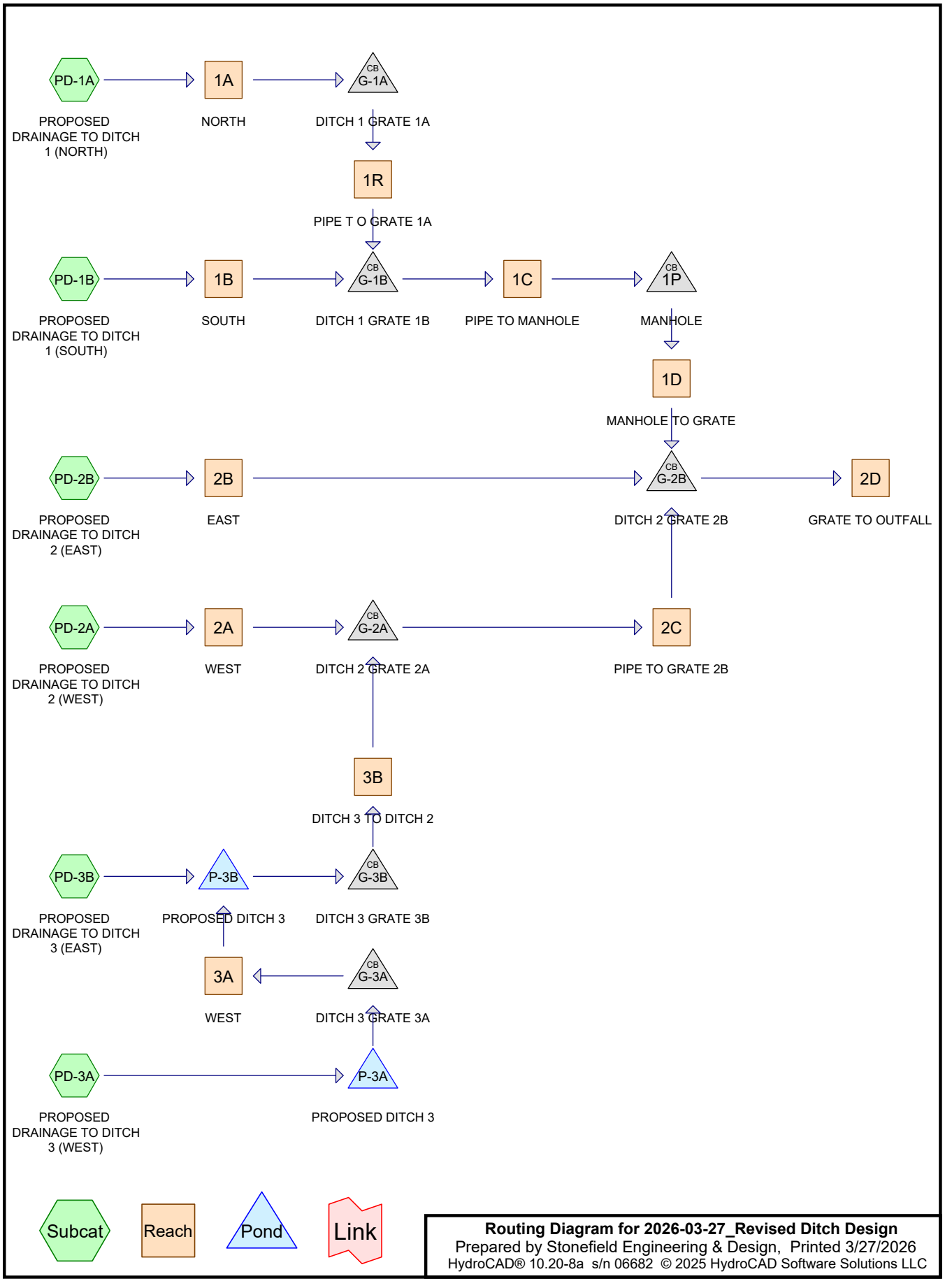
Hydrograph for Pond B-1: PROPOSED DRY INFILTRATION BASIN (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Discarded (cfs)
52.00	0.00	0	20.50	0.00
52.20	0.00	0	20.50	0.00
52.40	0.00	0	20.50	0.00
52.60	0.00	0	20.50	0.00
52.80	0.00	0	20.50	0.00
53.00	0.00	0	20.50	0.00
53.20	0.00	0	20.50	0.00
53.40	0.00	0	20.50	0.00
53.60	0.00	0	20.50	0.00
53.80	0.00	0	20.50	0.00
54.00	0.00	0	20.50	0.00
54.20	0.00	0	20.50	0.00
54.40	0.00	0	20.50	0.00
54.60	0.00	0	20.50	0.00
54.80	0.00	0	20.50	0.00
55.00	0.00	0	20.50	0.00
55.20	0.00	0	20.50	0.00
55.40	0.00	0	20.50	0.00
55.60	0.00	0	20.50	0.00
55.80	0.00	0	20.50	0.00
56.00	0.00	0	20.50	0.00
56.20	0.00	0	20.50	0.00
56.40	0.00	0	20.50	0.00
56.60	0.00	0	20.50	0.00
56.80	0.00	0	20.50	0.00
57.00	0.00	0	20.50	0.00
57.20	0.00	0	20.50	0.00
57.40	0.00	0	20.50	0.00
57.60	0.00	0	20.50	0.00
57.80	0.00	0	20.50	0.00
58.00	0.00	0	20.50	0.00
58.20	0.00	0	20.50	0.00
58.40	0.00	0	20.50	0.00
58.60	0.00	0	20.50	0.00
58.80	0.00	0	20.50	0.00
59.00	0.00	0	20.50	0.00
59.20	0.00	0	20.50	0.00
59.40	0.00	0	20.50	0.00
59.60	0.00	0	20.50	0.00
59.80	0.00	0	20.50	0.00
60.00	0.00	0	20.50	0.00
60.20	0.00	0	20.50	0.00
60.40	0.00	0	20.50	0.00
60.60	0.00	0	20.50	0.00
60.80	0.00	0	20.50	0.00
61.00	0.00	0	20.50	0.00
61.20	0.00	0	20.50	0.00
61.40	0.00	0	20.50	0.00
61.60	0.00	0	20.50	0.00
61.80	0.00	0	20.50	0.00
62.00	0.00	0	20.50	0.00
62.20	0.00	0	20.50	0.00

Hydrograph for Pond B-1: PROPOSED DRY INFILTRATION BASIN (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Discarded (cfs)
62.40	0.00	0	20.50	0.00
62.60	0.00	0	20.50	0.00
62.80	0.00	0	20.50	0.00
63.00	0.00	0	20.50	0.00
63.20	0.00	0	20.50	0.00
63.40	0.00	0	20.50	0.00
63.60	0.00	0	20.50	0.00
63.80	0.00	0	20.50	0.00
64.00	0.00	0	20.50	0.00
64.20	0.00	0	20.50	0.00
64.40	0.00	0	20.50	0.00
64.60	0.00	0	20.50	0.00
64.80	0.00	0	20.50	0.00
65.00	0.00	0	20.50	0.00
65.20	0.00	0	20.50	0.00
65.40	0.00	0	20.50	0.00
65.60	0.00	0	20.50	0.00
65.80	0.00	0	20.50	0.00
66.00	0.00	0	20.50	0.00
66.20	0.00	0	20.50	0.00
66.40	0.00	0	20.50	0.00
66.60	0.00	0	20.50	0.00
66.80	0.00	0	20.50	0.00
67.00	0.00	0	20.50	0.00
67.20	0.00	0	20.50	0.00
67.40	0.00	0	20.50	0.00
67.60	0.00	0	20.50	0.00
67.80	0.00	0	20.50	0.00
68.00	0.00	0	20.50	0.00
68.20	0.00	0	20.50	0.00
68.40	0.00	0	20.50	0.00
68.60	0.00	0	20.50	0.00
68.80	0.00	0	20.50	0.00
69.00	0.00	0	20.50	0.00
69.20	0.00	0	20.50	0.00
69.40	0.00	0	20.50	0.00
69.60	0.00	0	20.50	0.00
69.80	0.00	0	20.50	0.00
70.00	0.00	0	20.50	0.00
70.20	0.00	0	20.50	0.00
70.40	0.00	0	20.50	0.00
70.60	0.00	0	20.50	0.00
70.80	0.00	0	20.50	0.00
71.00	0.00	0	20.50	0.00
71.20	0.00	0	20.50	0.00
71.40	0.00	0	20.50	0.00
71.60	0.00	0	20.50	0.00
71.80	0.00	0	20.50	0.00
72.00	0.00	0	20.50	0.00

APPENDIX D-7
ROADSIDE DRAINAGE DITCH DESIGN CALCULATIONS



Routing Diagram for 2026-03-27_Revised Ditch Design
Prepared by Stonefield Engineering & Design, Printed 3/27/2026
HydroCAD® 10.20-8a s/n 06682 © 2025 HydroCAD Software Solutions LLC

Summary for Subcatchment PD-1A: PROPOSED DRAINAGE TO DITCH 1 (NORTH)

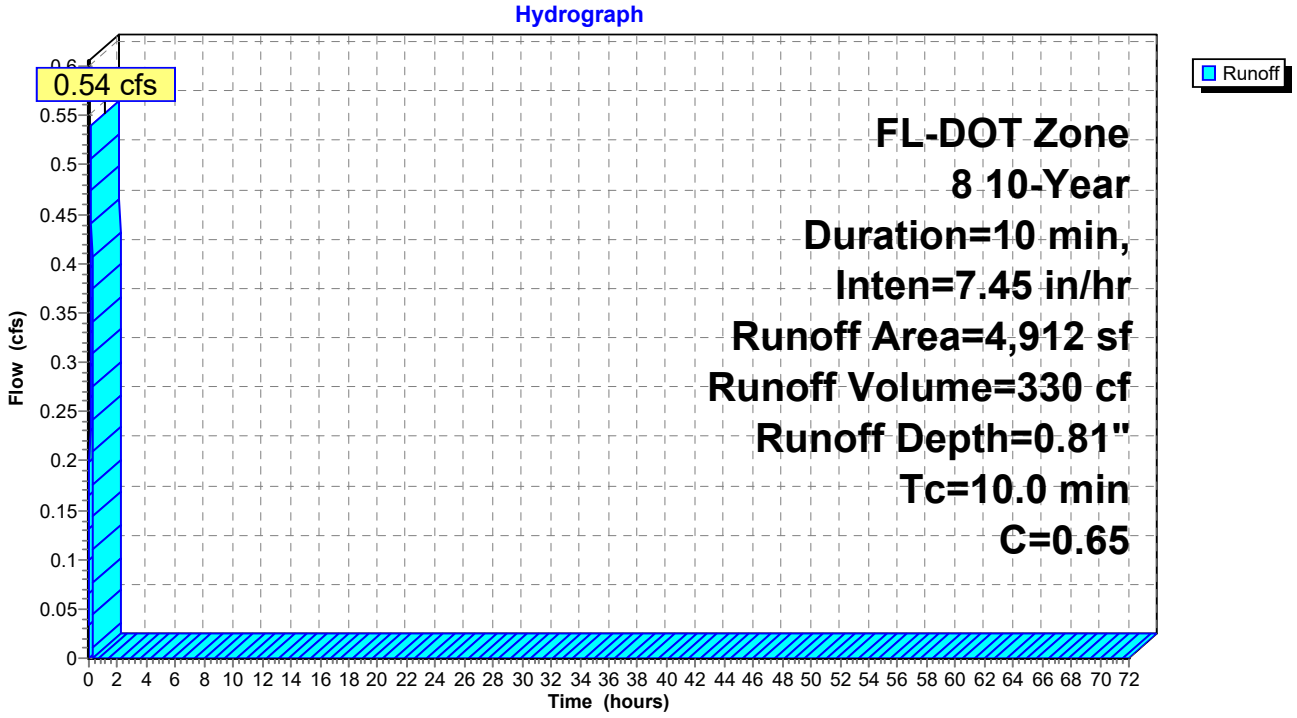
Runoff = 0.54 cfs @ 0.17 hrs, Volume= 330 cf, Depth= 0.81"
Routed to Reach 1A : NORTH

Runoff by Rational method, Rise/Fall=1.0/1.0 xTc, Time Span= 0.00-72.00 hrs, dt= 0.01 hrs
FL-DOT Zone 8 10-Year Duration=10 min, Inten=7.45 in/hr

Area (sf)	C	Description
3,005	0.95	Paved parking, HSG A
1,907	0.18	>75% Grass cover, Good, HSG B
4,912	0.65	Weighted Average
1,907	0.18	38.82% Pervious Area
3,005	0.95	61.18% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					**Direct Entry,**

Subcatchment PD-1A: PROPOSED DRAINAGE TO DITCH 1 (NORTH)



Summary for Subcatchment PD-1B: PROPOSED DRAINAGE TO DITCH 1 (SOUTH)

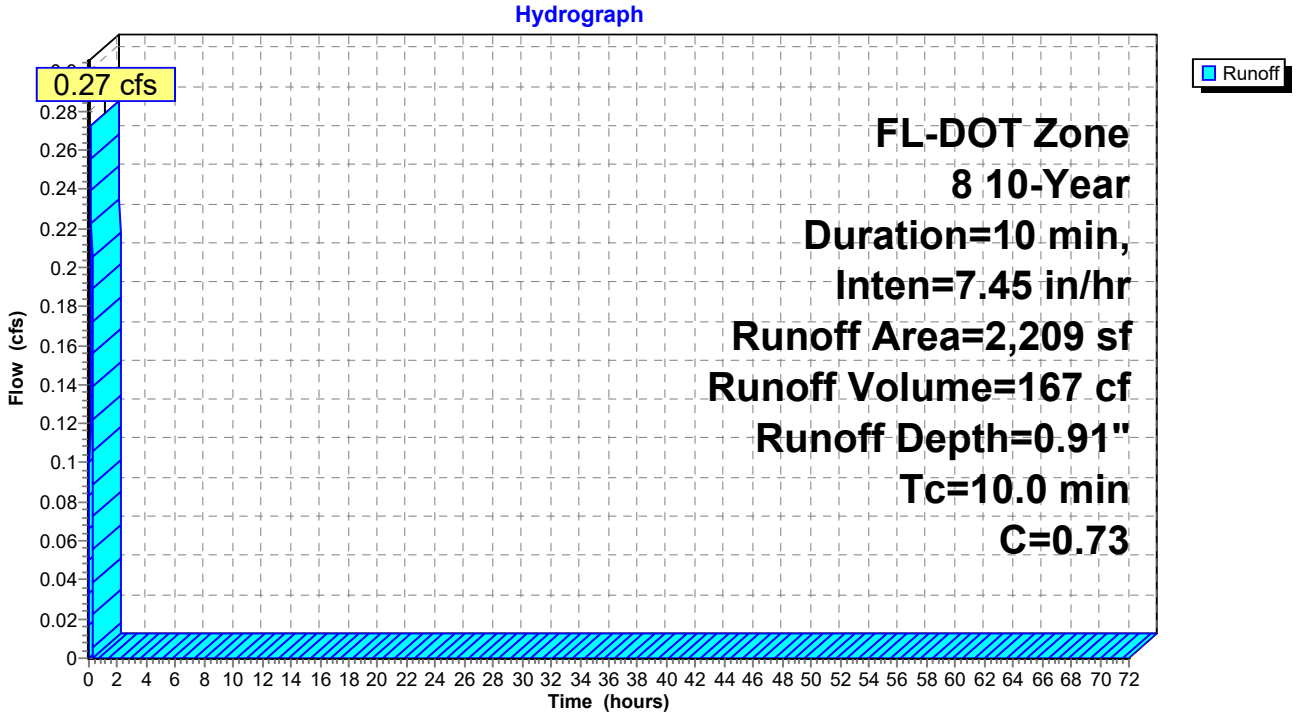
Runoff = 0.27 cfs @ 0.17 hrs, Volume= 167 cf, Depth= 0.91"
Routed to Reach 1B : SOUTH

Runoff by Rational method, Rise/Fall=1.0/1.0 xTc, Time Span= 0.00-72.00 hrs, dt= 0.01 hrs
FL-DOT Zone 8 10-Year Duration=10 min, Inten=7.45 in/hr

Area (sf)	C	Description
1,585	0.95	Paved parking, HSG A
624	0.18	> 75% Grass cover, Good, HSG B
2,209	0.73	Weighted Average
624	0.18	28.25% Pervious Area
1,585	0.95	71.75% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					**Direct Entry,**

Subcatchment PD-1B: PROPOSED DRAINAGE TO DITCH 1 (SOUTH)



Summary for Subcatchment PD-2A: PROPOSED DRAINAGE TO DITCH 2 (WEST)

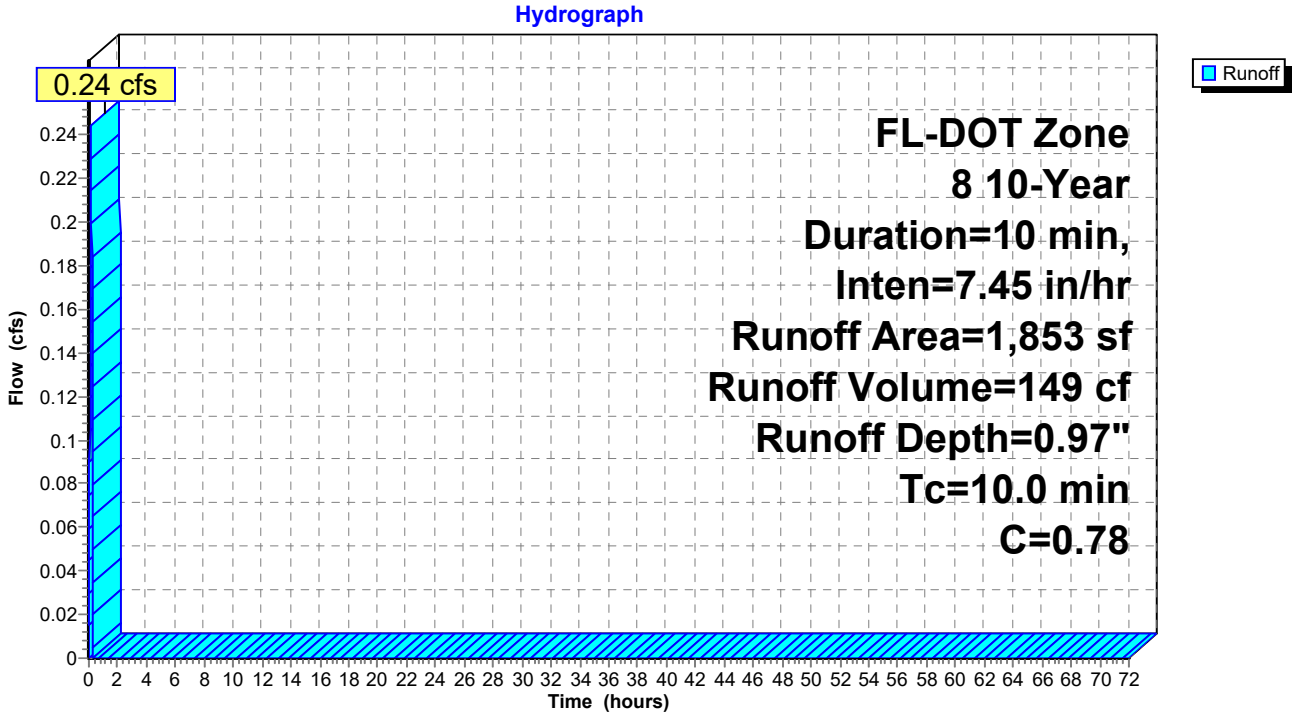
Runoff = 0.24 cfs @ 0.17 hrs, Volume= 149 cf, Depth= 0.97"
Routed to Reach 2A : WEST

Runoff by Rational method, Rise/Fall=1.0/1.0 xTc, Time Span= 0.00-72.00 hrs, dt= 0.01 hrs
FL-DOT Zone 8 10-Year Duration=10 min, Inten=7.45 in/hr

Area (sf)	C	Description
1,451	0.95	Paved parking, HSG A
402	0.18	>75% Grass cover, Good, HSG B
1,853	0.78	Weighted Average
402	0.18	21.69% Pervious Area
1,451	0.95	78.31% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					**Direct Entry,**

Subcatchment PD-2A: PROPOSED DRAINAGE TO DITCH 2 (WEST)



Summary for Subcatchment PD-2B: PROPOSED DRAINAGE TO DITCH 2 (EAST)

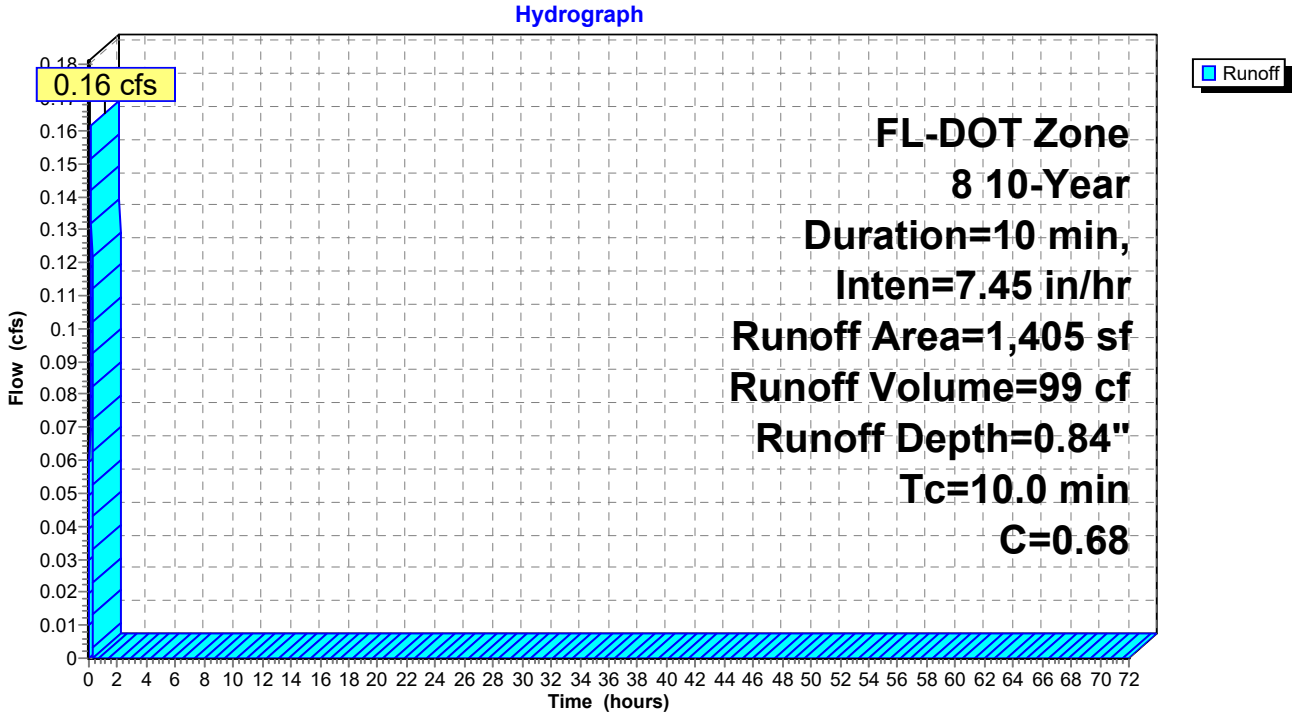
Runoff = 0.16 cfs @ 0.17 hrs, Volume= 99 cf, Depth= 0.84"
Routed to Reach 2B : EAST

Runoff by Rational method, Rise/Fall=1.0/1.0 xTc, Time Span= 0.00-72.00 hrs, dt= 0.01 hrs
FL-DOT Zone 8 10-Year Duration=10 min, Inten=7.45 in/hr

Area (sf)	C	Description
909	0.95	Paved parking, HSG
496	0.18	>75% Grass cover, Good, HSG B
1,405	0.68	Weighted Average
496	0.18	35.30% Pervious Area
909	0.95	64.70% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					**Direct Entry,**

Subcatchment PD-2B: PROPOSED DRAINAGE TO DITCH 2 (EAST)



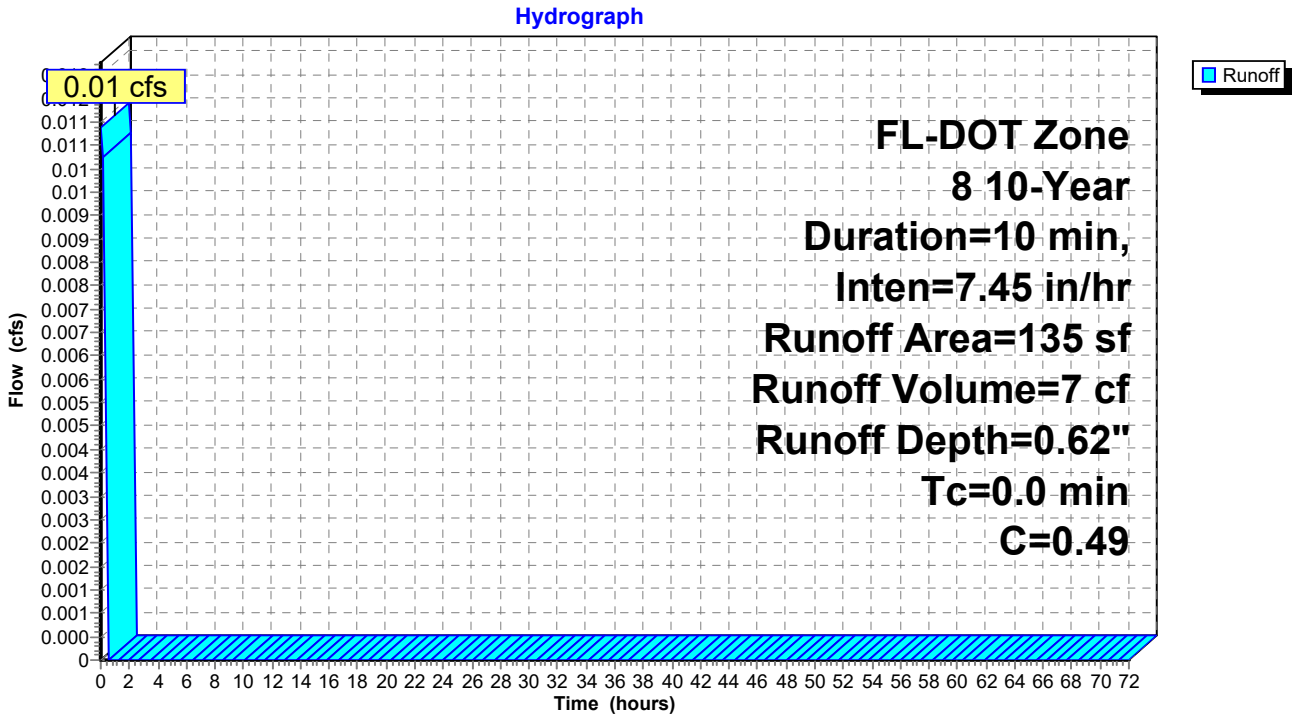
Summary for Subcatchment PD-3A: PROPOSED DRAINAGE TO DITCH 3 (WEST)

Runoff = 0.01 cfs @ 0.00 hrs, Volume= 7 cf, Depth= 0.62"
Routed to Pond P-3A : PROPOSED DITCH 3

Runoff by Rational method, Rise/Fall=1.0/1.0 xTc, Time Span= 0.00-72.00 hrs, dt= 0.01 hrs
FL-DOT Zone 8 10-Year Duration=10 min, Inten=7.45 in/hr

Area (sf)	C	Description
54	0.95	Paved parking, HSG A
81	0.18	>75% Grass cover, Good, HSG B
135	0.49	Weighted Average
81	0.18	60.00% Pervious Area
54	0.95	40.00% Impervious Area

Subcatchment PD-3A: PROPOSED DRAINAGE TO DITCH 3 (WEST)



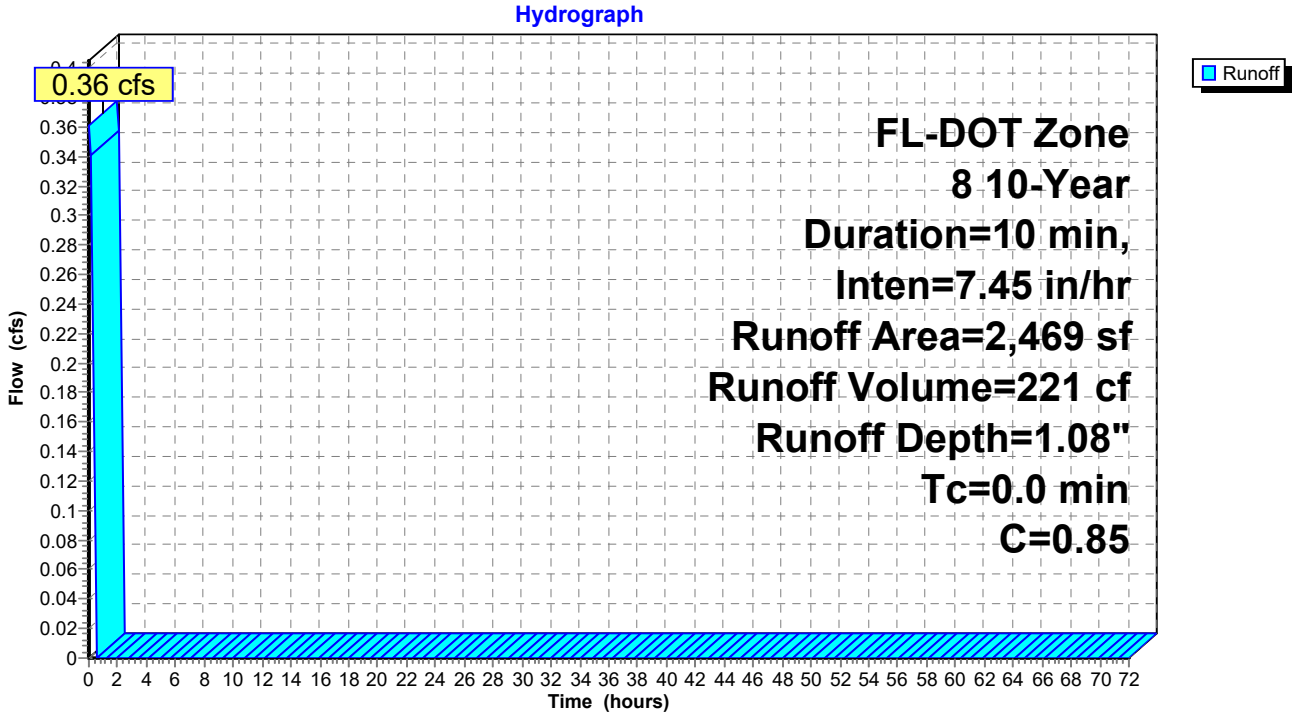
Summary for Subcatchment PD-3B: PROPOSED DRAINAGE TO DITCH 3 (EAST)

Runoff = 0.36 cfs @ 0.00 hrs, Volume= 221 cf, Depth= 1.08"
Routed to Pond P-3B : PROPOSED DITCH 3

Runoff by Rational method, Rise/Fall=1.0/1.0 xTc, Time Span= 0.00-72.00 hrs, dt= 0.01 hrs
FL-DOT Zone 8 10-Year Duration=10 min, Inten=7.45 in/hr

Area (sf)	C	Description
2,135	0.95	Paved parking, HSG A
334	0.18	>75% Grass cover, Good, HSG B
2,469	0.85	Weighted Average
334	0.18	13.53% Pervious Area
2,135	0.95	86.47% Impervious Area

Subcatchment PD-3B: PROPOSED DRAINAGE TO DITCH 3 (EAST)



Summary for Reach 1A: NORTH

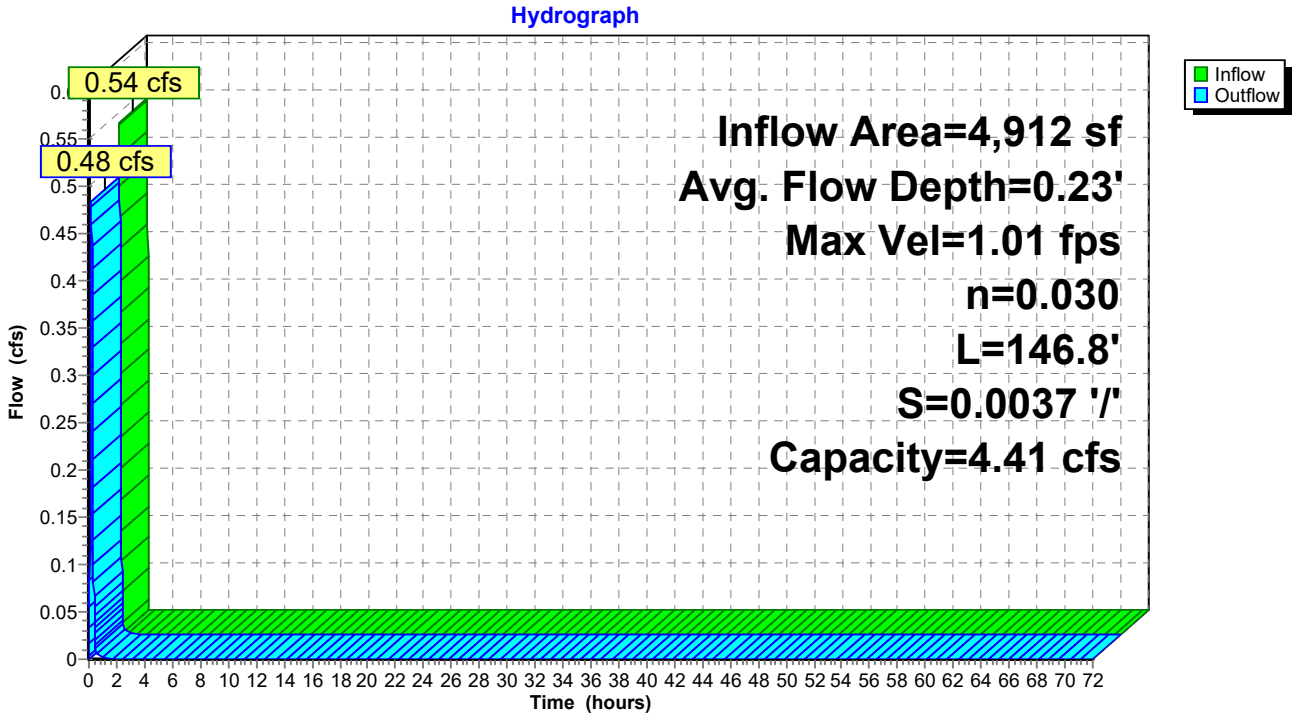
Inflow Area = 4,912 sf, 61.18% Impervious, Inflow Depth = 0.81" for 10-Year event
Inflow = 0.54 cfs @ 0.17 hrs, Volume= 330 cf
Outflow = 0.48 cfs @ 0.19 hrs, Volume= 330 cf, Atten= 11%, Lag= 1.2 min
Routed to Pond G-1A : DITCH 1 GRATE 1A

Routing by Dyn-Stor-Ind method, Time Span= 0.00-72.00 hrs, dt= 0.01 hrs
Max. Velocity= 1.01 fps, Min. Travel Time= 2.4 min
Avg. Velocity = 0.25 fps, Avg. Travel Time= 9.9 min

Peak Storage= 70 cf @ 0.19 hrs
Average Depth at Peak Storage= 0.23' , Surface Width= 2.09'
Bank-Full Depth= 1.00' Flow Area= 2.2 sf, Capacity= 4.41 cfs

2.00' x 1.00' deep channel, n= 0.030 Earth, grassed & winding
Side Slope Z-value= 0.2 '/' Top Width= 2.40'
Length= 146.8' Slope= 0.0037 '/'
Inlet Invert= 23.63', Outlet Invert= 23.09'





Summary for Reach 1B: SOUTH

Inflow Area = 2,209 sf, 71.75% Impervious, Inflow Depth = 0.91" for 10-Year event
Inflow = 0.27 cfs @ 0.17 hrs, Volume= 167 cf
Outflow = 0.27 cfs @ 0.17 hrs, Volume= 167 cf, Atten= 1%, Lag= 0.2 min
Routed to Pond G-1B : DITCH 1 GRATE 1B

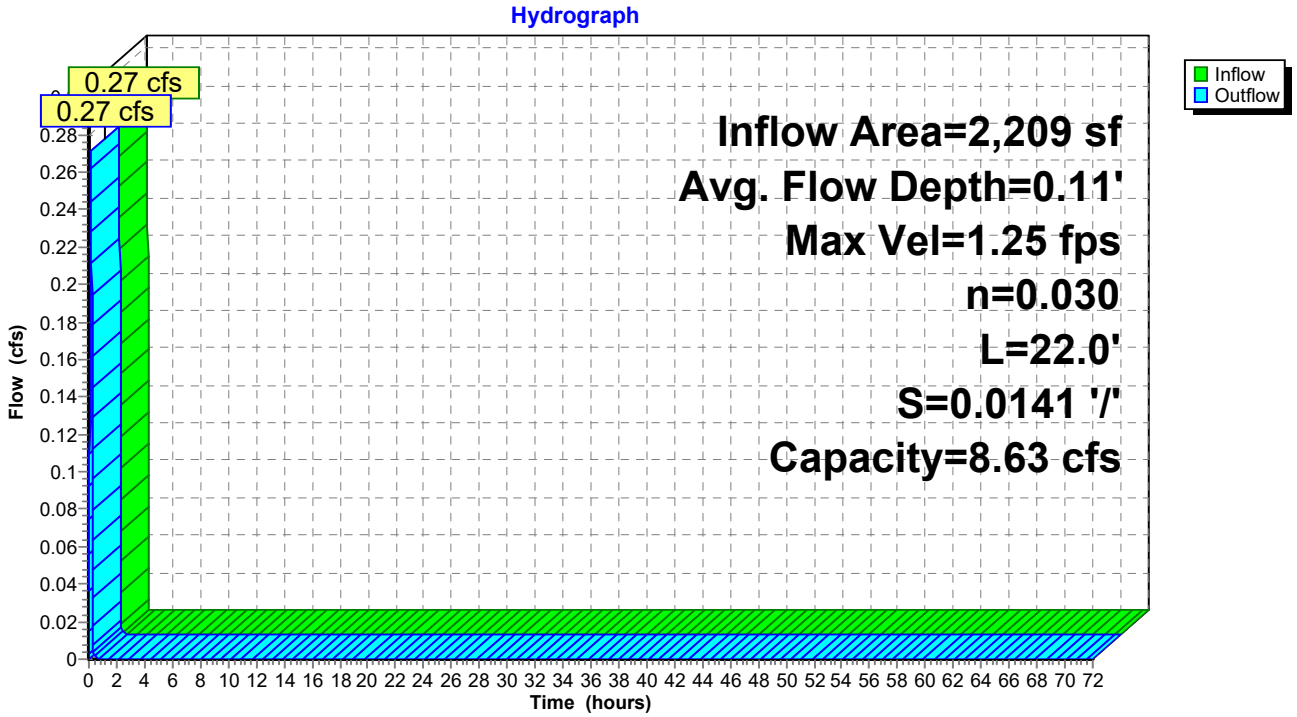
Routing by Dyn-Stor-Ind method, Time Span= 0.00-72.00 hrs, dt= 0.01 hrs
Max. Velocity= 1.25 fps, Min. Travel Time= 0.3 min
Avg. Velocity = 0.74 fps, Avg. Travel Time= 0.5 min

Peak Storage= 5 cf @ 0.17 hrs
Average Depth at Peak Storage= 0.11' , Surface Width= 2.04'
Bank-Full Depth= 1.00' Flow Area= 2.2 sf, Capacity= 8.63 cfs

2.00' x 1.00' deep channel, n= 0.030 Earth, grassed & winding
Side Slope Z-value= 0.2 '/' Top Width= 2.40'
Length= 22.0' Slope= 0.0141 '/'
Inlet Invert= 23.63', Outlet Invert= 23.32'



Reach 1B: SOUTH



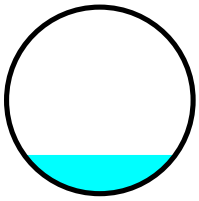
Summary for Reach 1C: PIPE TO MANHOLE

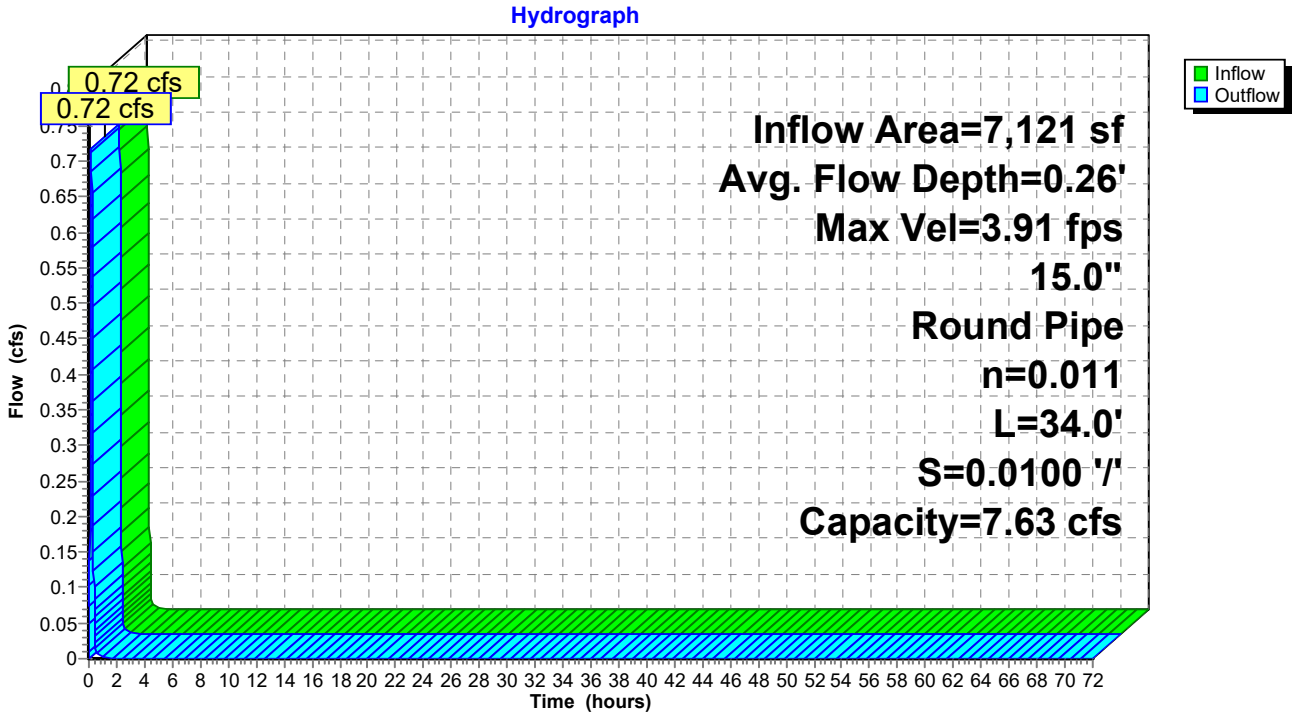
Inflow Area = 7,121 sf, 64.46% Impervious, Inflow Depth = 0.84" for 10-Year event
Inflow = 0.72 cfs @ 0.18 hrs, Volume= 497 cf
Outflow = 0.72 cfs @ 0.19 hrs, Volume= 497 cf, Atten= 0%, Lag= 0.1 min
Routed to Pond 1P : MANHOLE

Routing by Dyn-Stor-Ind method, Time Span= 0.00-72.00 hrs, dt= 0.01 hrs
Max. Velocity= 3.91 fps, Min. Travel Time= 0.1 min
Avg. Velocity = 1.13 fps, Avg. Travel Time= 0.5 min

Peak Storage= 6 cf @ 0.19 hrs
Average Depth at Peak Storage= 0.26' , Surface Width= 1.01'
Bank-Full Depth= 1.25' Flow Area= 1.2 sf, Capacity= 7.63 cfs

15.0" Round Pipe
n= 0.011 Concrete pipe, straight & clean
Length= 34.0' Slope= 0.0100 '/'
Inlet Invert= 20.90', Outlet Invert= 20.56'



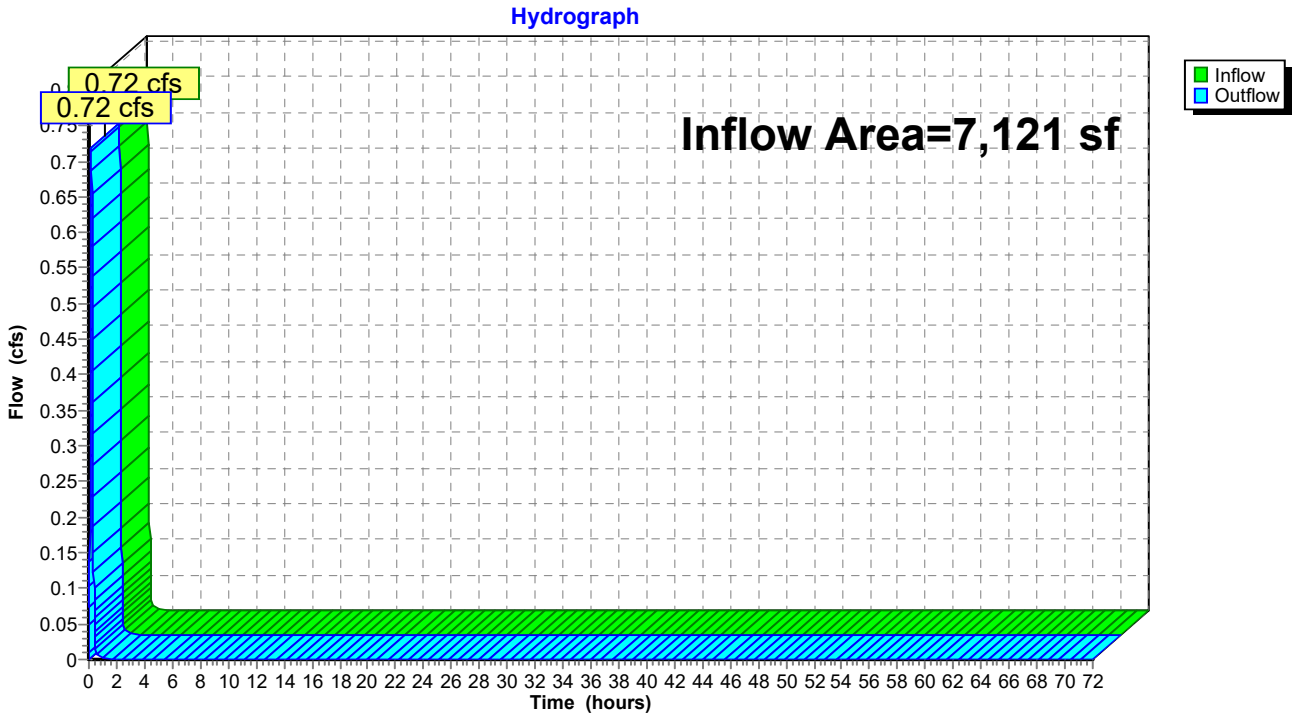


Summary for Reach 1D: MANHOLE TO GRATE

Inflow Area = 7,121 sf, 64.46% Impervious, Inflow Depth = 0.84" for 10-Year event
Inflow = 0.72 cfs @ 0.19 hrs, Volume= 497 cf
Outflow = 0.72 cfs @ 0.19 hrs, Volume= 497 cf, Atten= 0%, Lag= 0.0 min
Routed to Pond G-2B : DITCH 2 GRATE 2B

Routing by Dyn-Stor-Ind method, Time Span= 0.00-72.00 hrs, dt= 0.01 hrs

Reach 1D: MANHOLE TO GRATE



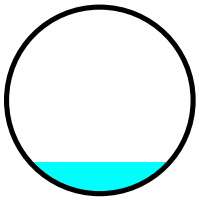
Summary for Reach 1R: PIPE T O GRATE 1A

Inflow Area = 4,912 sf, 61.18% Impervious, Inflow Depth = 0.81" for 10-Year event
Inflow = 0.48 cfs @ 0.19 hrs, Volume= 330 cf
Outflow = 0.48 cfs @ 0.20 hrs, Volume= 330 cf, Atten= 1%, Lag= 0.6 min
Routed to Pond G-1B : DITCH 1 GRATE 1B

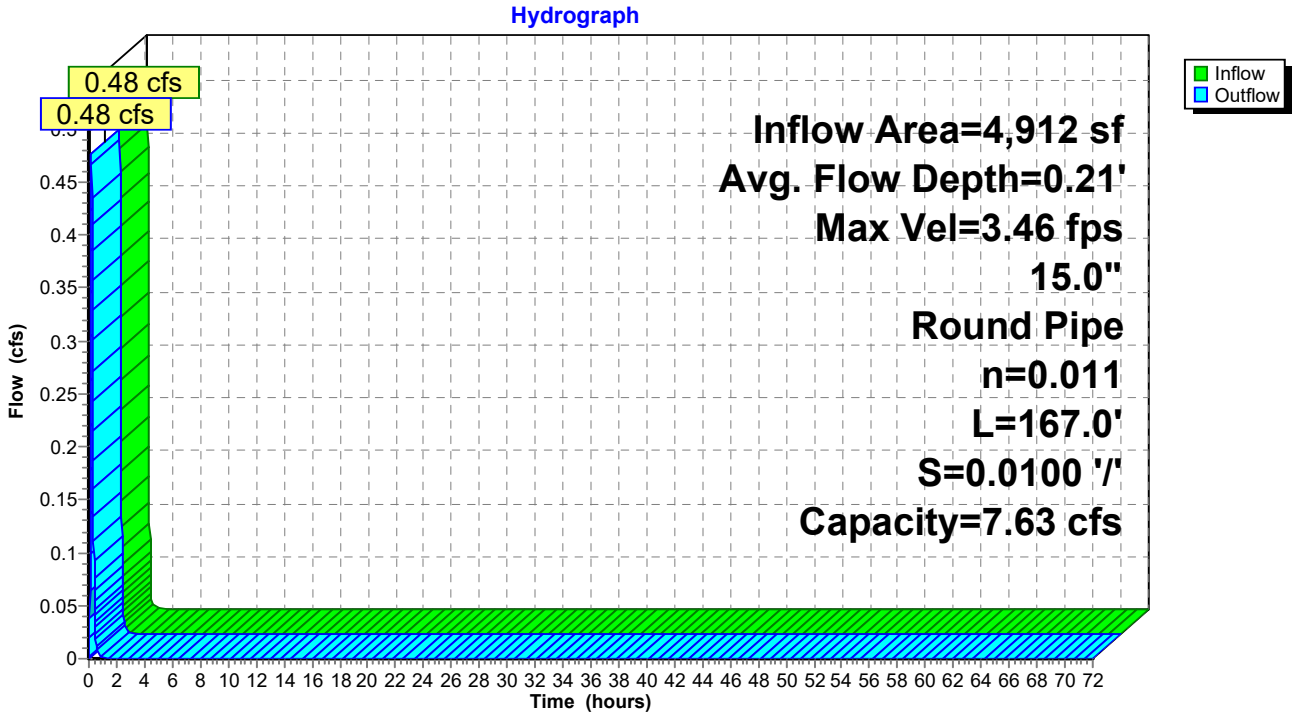
Routing by Dyn-Stor-Ind method, Time Span= 0.00-72.00 hrs, dt= 0.01 hrs
Max. Velocity= 3.46 fps, Min. Travel Time= 0.8 min
Avg. Velocity = 1.05 fps, Avg. Travel Time= 2.6 min

Peak Storage= 23 cf @ 0.20 hrs
Average Depth at Peak Storage= 0.21' , Surface Width= 0.94'
Bank-Full Depth= 1.25' Flow Area= 1.2 sf, Capacity= 7.63 cfs

15.0" Round Pipe
n= 0.011 Concrete pipe, straight & clean
Length= 167.0' Slope= 0.0100 '/'
Inlet Invert= 22.57', Outlet Invert= 20.90'



Reach 1R: PIPE T O GRATE 1A



Summary for Reach 2A: WEST

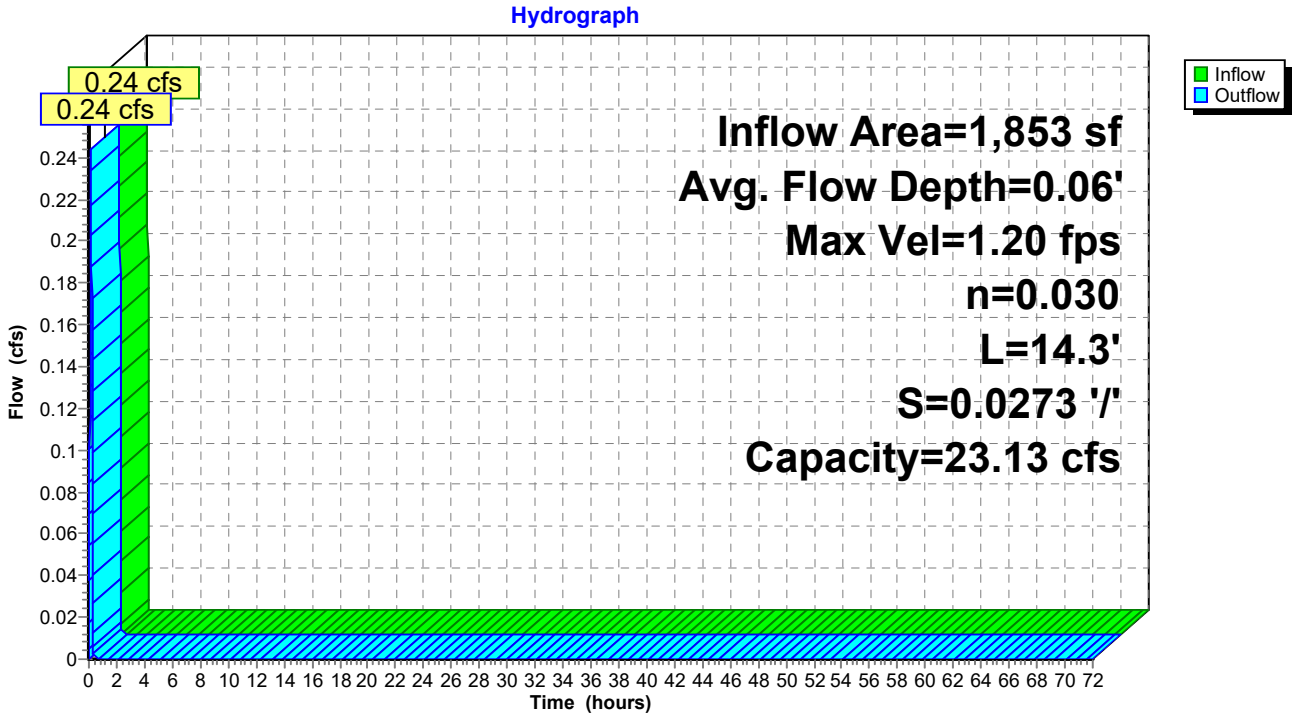
Inflow Area = 1,853 sf, 78.31% Impervious, Inflow Depth = 0.97" for 10-Year event
Inflow = 0.24 cfs @ 0.17 hrs, Volume= 149 cf
Outflow = 0.24 cfs @ 0.17 hrs, Volume= 149 cf, Atten= 0%, Lag= 0.1 min
Routed to Pond G-2A : DITCH 2 GRATE 2A

Routing by Dyn-Stor-Ind method, Time Span= 0.00-72.00 hrs, dt= 0.01 hrs
Max. Velocity= 1.20 fps, Min. Travel Time= 0.2 min
Avg. Velocity = 0.81 fps, Avg. Travel Time= 0.3 min

Peak Storage= 3 cf @ 0.17 hrs
Average Depth at Peak Storage= 0.06' , Surface Width= 3.52'
Bank-Full Depth= 1.00' Flow Area= 3.7 sf, Capacity= 23.13 cfs

3.50' x 1.00' deep channel, n= 0.030 Earth, grassed & winding
Side Slope Z-value= 0.2 '/' Top Width= 3.90'
Length= 14.3' Slope= 0.0273 '/'
Inlet Invert= 23.29', Outlet Invert= 22.90'





Summary for Reach 2B: EAST

Inflow Area = 1,405 sf, 64.70% Impervious, Inflow Depth = 0.84" for 10-Year event
Inflow = 0.16 cfs @ 0.17 hrs, Volume= 99 cf
Outflow = 0.16 cfs @ 0.18 hrs, Volume= 99 cf, Atten= 3%, Lag= 0.5 min
Routed to Pond G-2B : DITCH 2 GRATE 2B

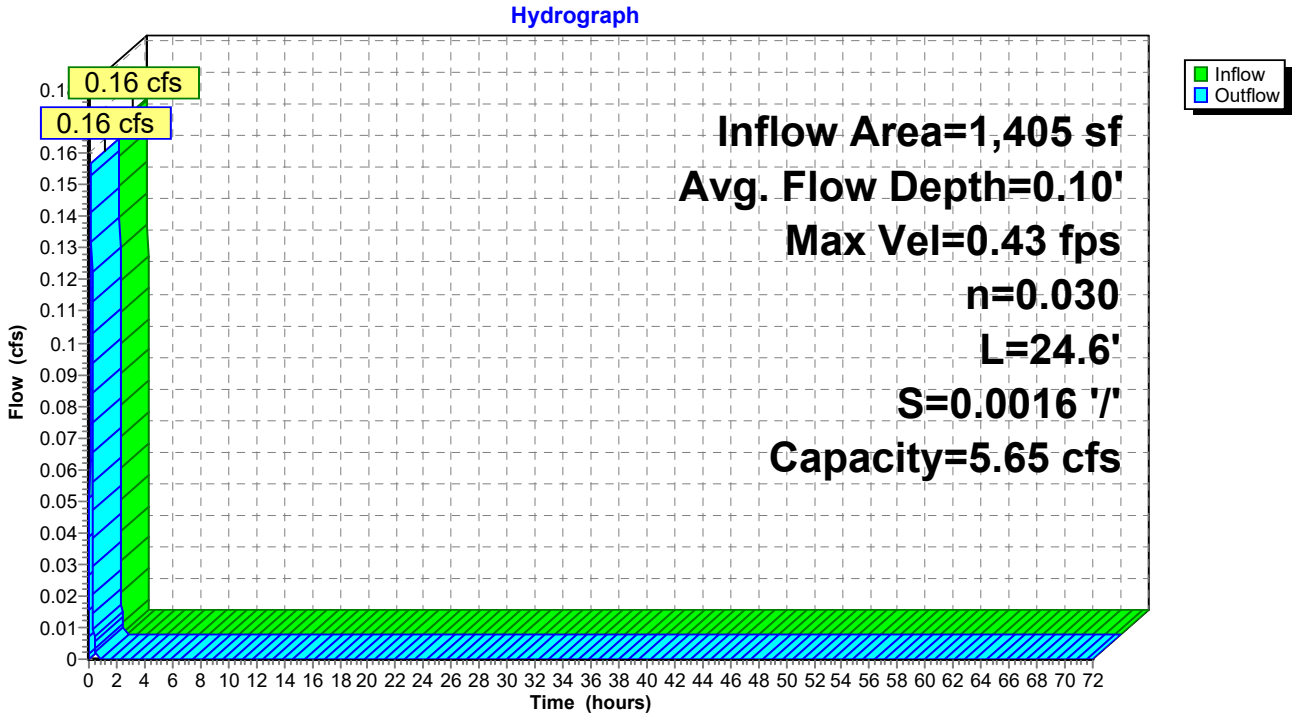
Routing by Dyn-Stor-Ind method, Time Span= 0.00-72.00 hrs, dt= 0.01 hrs
Max. Velocity= 0.43 fps, Min. Travel Time= 1.0 min
Avg. Velocity = 0.18 fps, Avg. Travel Time= 2.2 min

Peak Storage= 9 cf @ 0.18 hrs
Average Depth at Peak Storage= 0.10' , Surface Width= 3.54'
Bank-Full Depth= 1.00' Flow Area= 3.7 sf, Capacity= 5.65 cfs

3.50' x 1.00' deep channel, n= 0.030 Earth, grassed & winding
Side Slope Z-value= 0.2 '/' Top Width= 3.90'
Length= 24.6' Slope= 0.0016 '/'
Inlet Invert= 23.29', Outlet Invert= 23.25'



Reach 2B: EAST



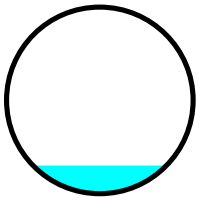
Summary for Reach 2C: PIPE TO GRATE 2B

Inflow Area = 4,457 sf, 81.67% Impervious, Inflow Depth = 0.87" for 10-Year event
Inflow = 0.37 cfs @ 0.17 hrs, Volume= 322 cf
Outflow = 0.37 cfs @ 0.17 hrs, Volume= 322 cf, Atten= 0%, Lag= 0.1 min
Routed to Pond G-2B : DITCH 2 GRATE 2B

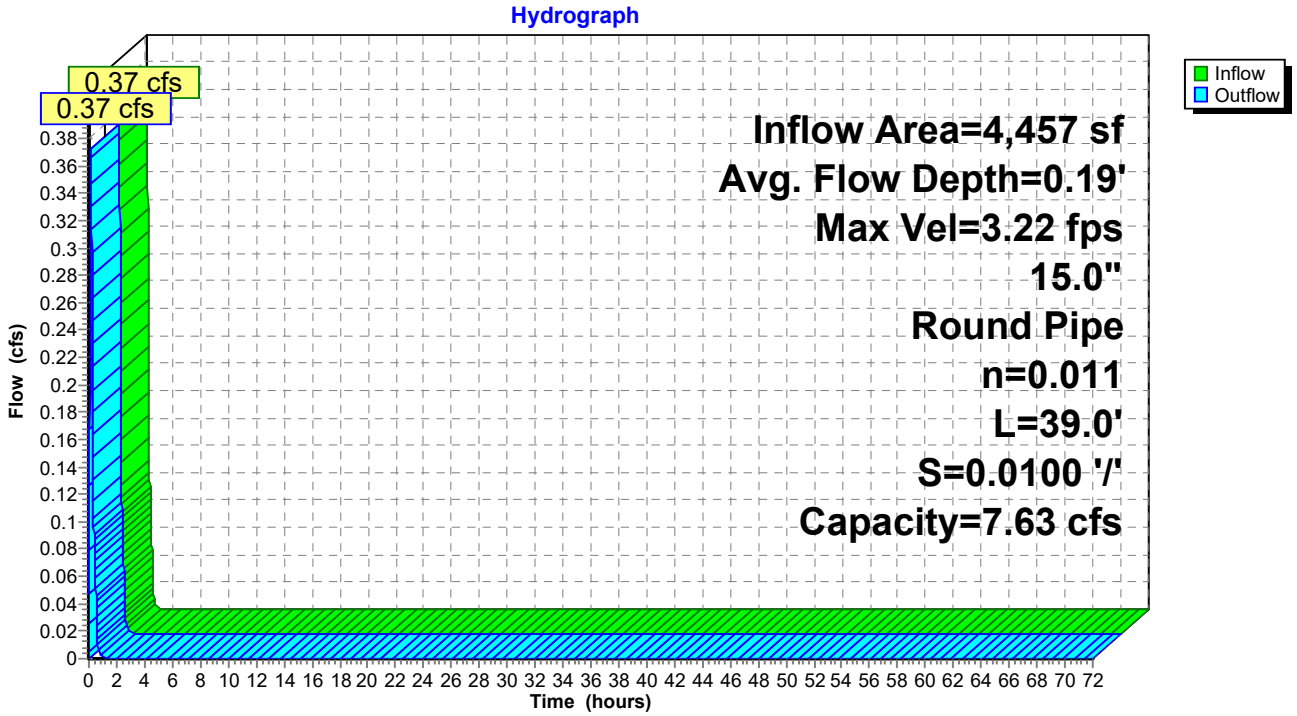
Routing by Dyn-Stor-Ind method, Time Span= 0.00-72.00 hrs, dt= 0.01 hrs
Max. Velocity= 3.22 fps, Min. Travel Time= 0.2 min
Avg. Velocity = 1.15 fps, Avg. Travel Time= 0.6 min

Peak Storage= 5 cf @ 0.17 hrs
Average Depth at Peak Storage= 0.19' , Surface Width= 0.89'
Bank-Full Depth= 1.25' Flow Area= 1.2 sf, Capacity= 7.63 cfs

15.0" Round Pipe
n= 0.011 Concrete pipe, straight & clean
Length= 39.0' Slope= 0.0100 '/'
Inlet Invert= 19.12', Outlet Invert= 18.73'



Reach 2C: PIPE TO GRATE 2B



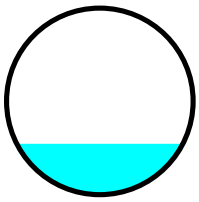
Summary for Reach 2D: GRATE TO OUTFALL

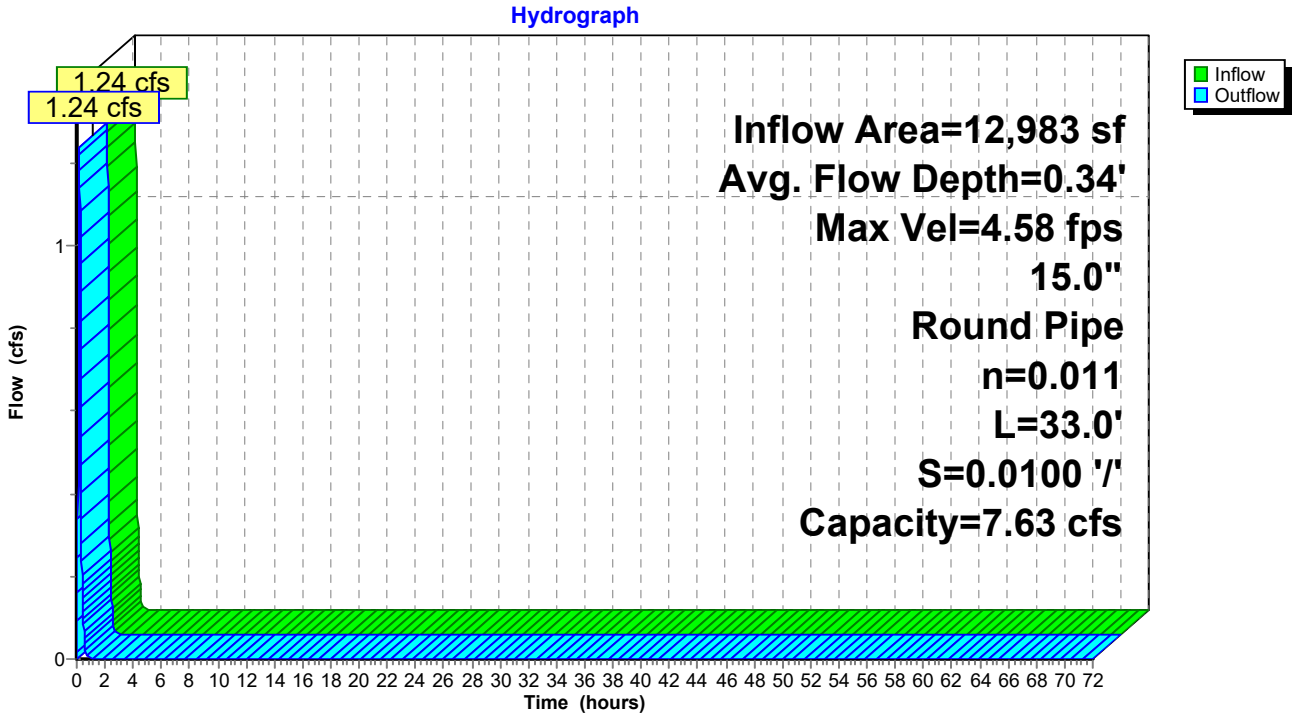
Inflow Area = 12,983 sf, 70.39% Impervious, Inflow Depth = 0.85" for 10-Year event
Inflow = 1.24 cfs @ 0.18 hrs, Volume= 918 cf
Outflow = 1.24 cfs @ 0.18 hrs, Volume= 918 cf, Atten= 0%, Lag= 0.1 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-72.00 hrs, dt= 0.01 hrs
Max. Velocity= 4.58 fps, Min. Travel Time= 0.1 min
Avg. Velocity = 1.28 fps, Avg. Travel Time= 0.4 min

Peak Storage= 9 cf @ 0.18 hrs
Average Depth at Peak Storage= 0.34' , Surface Width= 1.11'
Bank-Full Depth= 1.25' Flow Area= 1.2 sf, Capacity= 7.63 cfs

15.0" Round Pipe
n= 0.011 Concrete pipe, straight & clean
Length= 33.0' Slope= 0.0100 '/'
Inlet Invert= 18.73', Outlet Invert= 18.40'





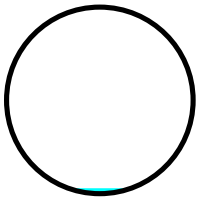
Summary for Reach 3A: WEST

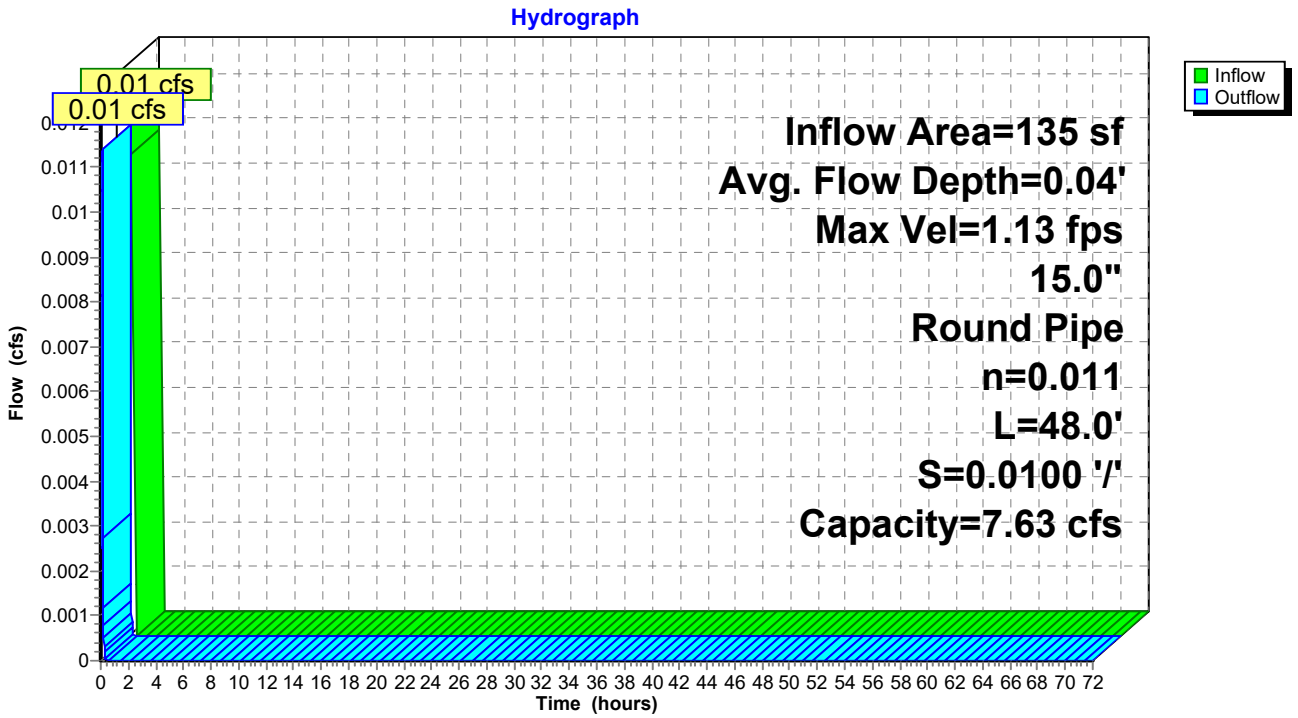
Inflow Area = 135 sf, 40.00% Impervious, Inflow Depth = 0.62" for 10-Year event
Inflow = 0.01 cfs @ 0.08 hrs, Volume= 7 cf
Outflow = 0.01 cfs @ 0.16 hrs, Volume= 7 cf, Atten= 0%, Lag= 4.8 min
Routed to Pond P-3B : PROPOSED DITCH 3

Routing by Dyn-Stor-Ind method, Time Span= 0.00-72.00 hrs, dt= 0.01 hrs
Max. Velocity= 1.13 fps, Min. Travel Time= 0.7 min
Avg. Velocity = 0.92 fps, Avg. Travel Time= 0.9 min

Peak Storage= 0 cf @ 0.16 hrs
Average Depth at Peak Storage= 0.04' , Surface Width= 0.42'
Bank-Full Depth= 1.25' Flow Area= 1.2 sf, Capacity= 7.63 cfs

15.0" Round Pipe
n= 0.011
Length= 48.0' Slope= 0.0100 '/'
Inlet Invert= 20.23', Outlet Invert= 19.75'





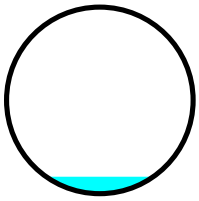
Summary for Reach 3B: DITCH 3 TO DITCH 2

Inflow Area = 2,604 sf, 84.06% Impervious, Inflow Depth = 0.80" for 10-Year event
Inflow = 0.13 cfs @ 0.17 hrs, Volume= 173 cf
Outflow = 0.13 cfs @ 0.17 hrs, Volume= 173 cf, Atten= 1%, Lag= 0.1 min
Routed to Pond G-2A : DITCH 2 GRATE 2A

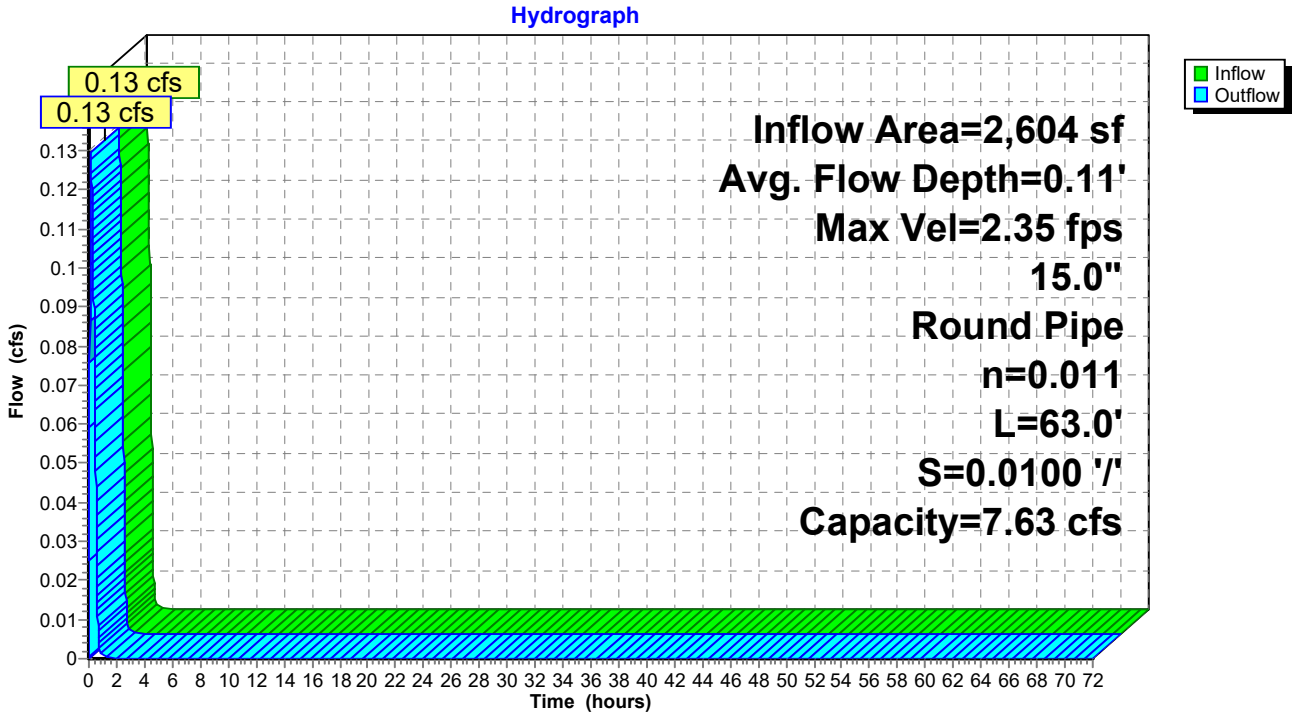
Routing by Dyn-Stor-Ind method, Time Span= 0.00-72.00 hrs, dt= 0.01 hrs
Max. Velocity= 2.35 fps, Min. Travel Time= 0.4 min
Avg. Velocity = 1.05 fps, Avg. Travel Time= 1.0 min

Peak Storage= 3 cf @ 0.17 hrs
Average Depth at Peak Storage= 0.11' , Surface Width= 0.72'
Bank-Full Depth= 1.25' Flow Area= 1.2 sf, Capacity= 7.63 cfs

15.0" Round Pipe
n= 0.011 Concrete pipe, straight & clean
Length= 63.0' Slope= 0.0100 '/'
Inlet Invert= 19.75', Outlet Invert= 19.12'



Reach 3B: DITCH 3 TO DITCH 2



Summary for Pond 1P: MANHOLE

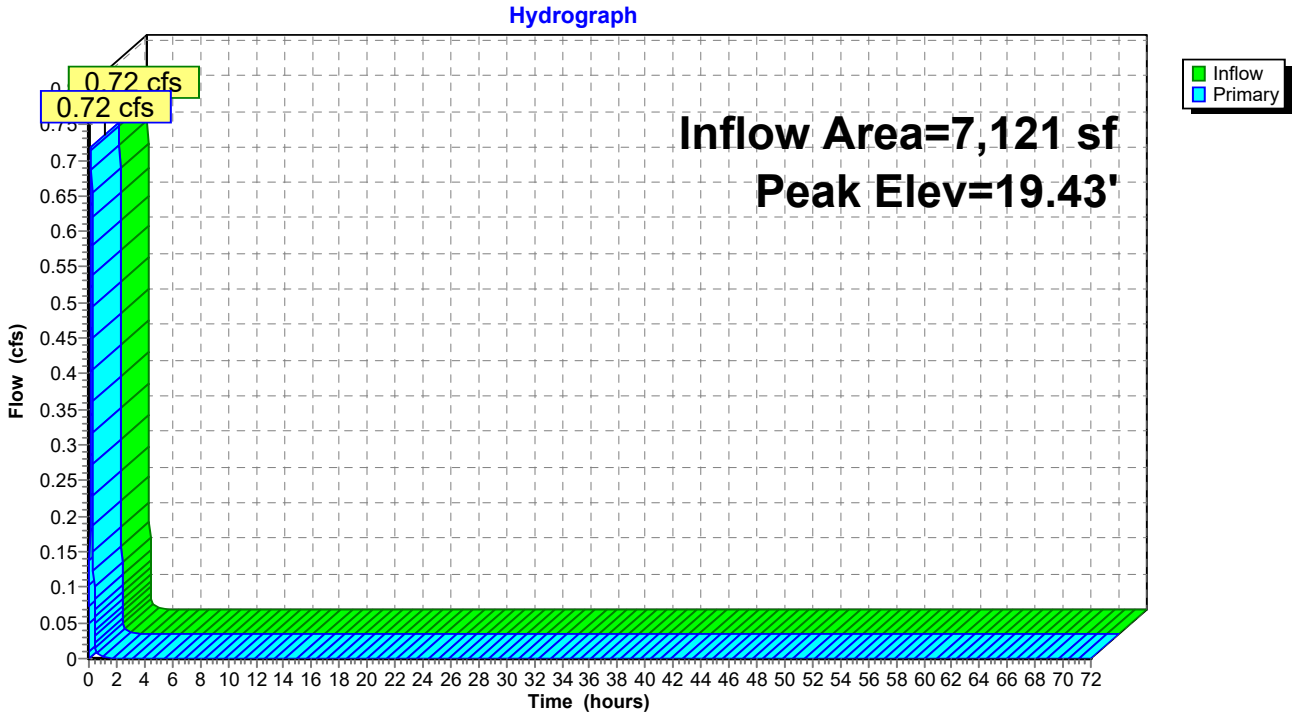
Inflow Area = 7,121 sf, 64.46% Impervious, Inflow Depth = 0.84" for 10-Year event
Inflow = 0.72 cfs @ 0.19 hrs, Volume= 497 cf
Outflow = 0.72 cfs @ 0.19 hrs, Volume= 497 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.72 cfs @ 0.19 hrs, Volume= 497 cf
Routed to Reach 1D : MANHOLE TO GRATE

Routing by Dyn-Stor-Ind method, Time Span= 0.00-72.00 hrs, dt= 0.01 hrs
Peak Elev= 19.43' @ 0.19 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	19.03'	**15.0" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads

Primary OutFlow Max=0.72 cfs @ 0.19 hrs HW=19.43' TW=0.00' (Dynamic Tailwater)
└**1=Orifice/Grate** (Orifice Controls 0.72 cfs @ 2.14 fps)

Pond 1P: MANHOLE



Summary for Pond G-1A: DITCH 1 GRATE 1A

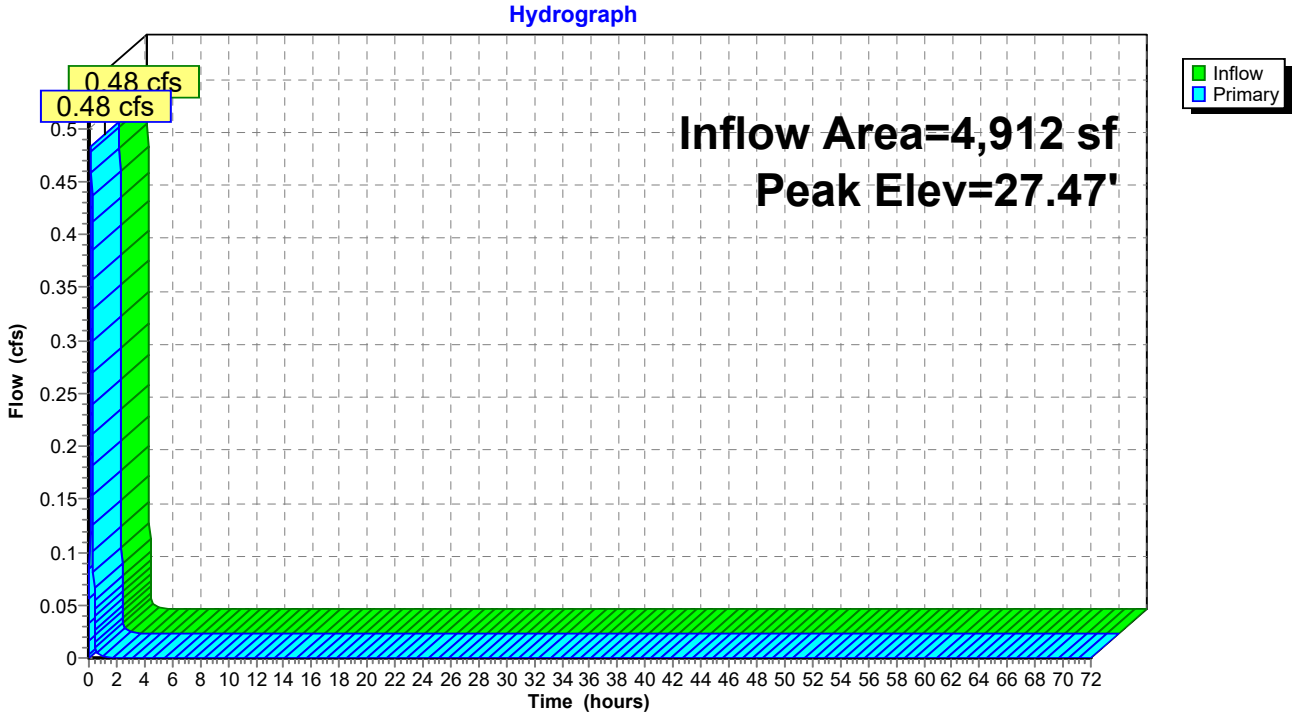
Inflow Area = 4,912 sf, 61.18% Impervious, Inflow Depth = 0.81" for 10-Year event
Inflow = 0.48 cfs @ 0.19 hrs, Volume= 330 cf
Outflow = 0.48 cfs @ 0.19 hrs, Volume= 330 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.48 cfs @ 0.19 hrs, Volume= 330 cf
Routed to Reach 1R : PIPE T O GRATE 1A

Routing by Dyn-Stor-Ind method, Time Span= 0.00-72.00 hrs, dt= 0.01 hrs
Peak Elev= 27.47' @ 0.19 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	23.09'	**2.3" x 3.0" Horiz. Orifice/Grate** C= 0.600 Limited to weir flow at low heads

Primary OutFlow Max=0.48 cfs @ 0.19 hrs HW=27.45' TW=22.78' (Dynamic Tailwater)
↳**1=Orifice/Grate** (Orifice Controls 0.48 cfs @ 10.06 fps)

Pond G-1A: DITCH 1 GRATE 1A



Summary for Pond G-1B: DITCH 1 GRATE 1B

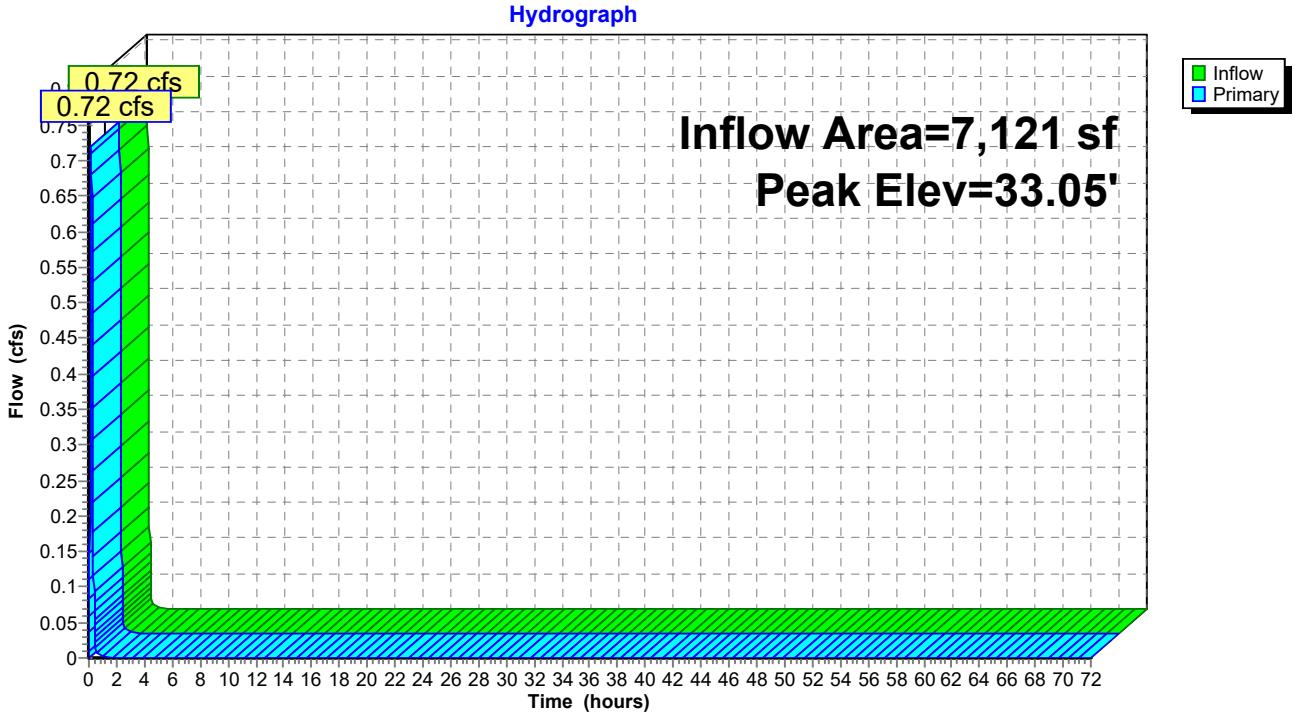
Inflow Area = 7,121 sf, 64.46% Impervious, Inflow Depth = 0.84" for 10-Year event
Inflow = 0.72 cfs @ 0.18 hrs, Volume= 497 cf
Outflow = 0.72 cfs @ 0.18 hrs, Volume= 497 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.72 cfs @ 0.18 hrs, Volume= 497 cf
Routed to Reach 1C : PIPE TO MANHOLE

Routing by Dyn-Stor-Ind method, Time Span= 0.00-72.00 hrs, dt= 0.01 hrs
Peak Elev= 33.05' @ 0.18 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	23.32'	**2.3" x 3.0" Horiz. Orifice/Grate** C= 0.600 Limited to weir flow at low heads

Primary OutFlow Max=0.72 cfs @ 0.18 hrs HW=32.98' TW=21.16' (Dynamic Tailwater)
↳**1=Orifice/Grate** (Orifice Controls 0.72 cfs @ 14.96 fps)

Pond G-1B: DITCH 1 GRATE 1B



Summary for Pond G-2A: DITCH 2 GRATE 2A

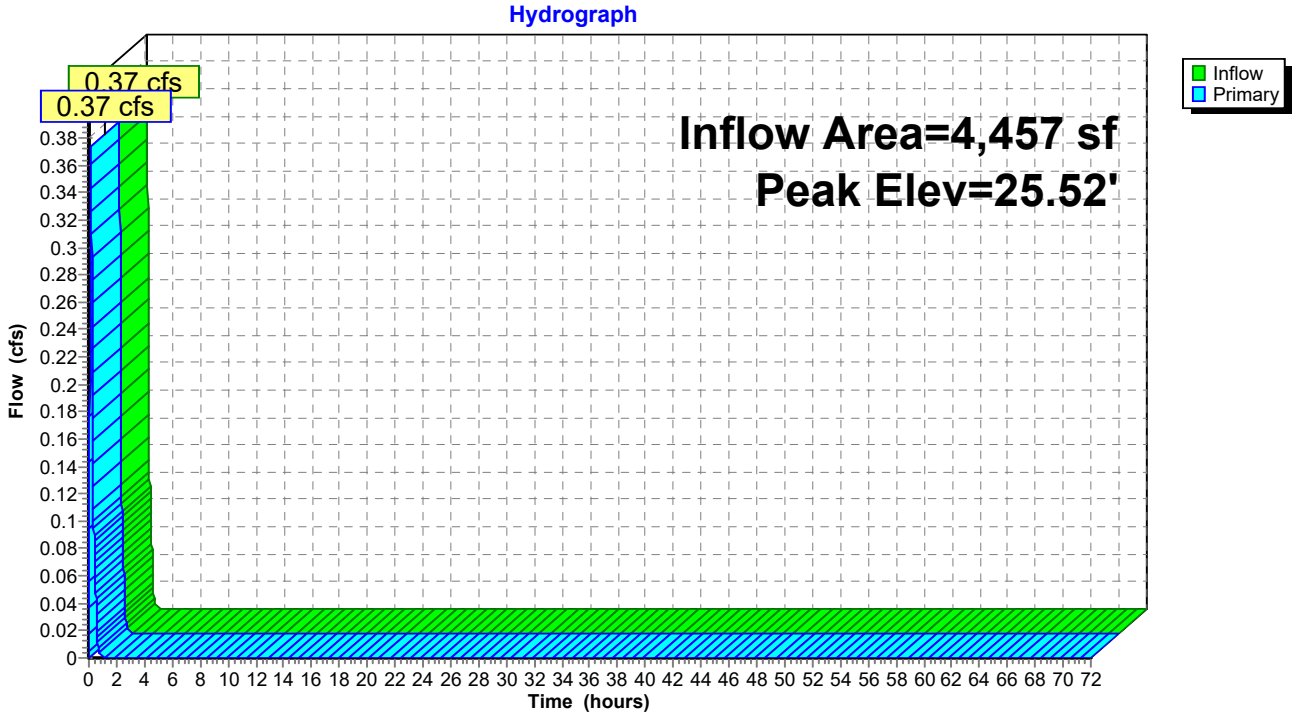
Inflow Area = 4,457 sf, 81.67% Impervious, Inflow Depth = 0.87" for 10-Year event
Inflow = 0.37 cfs @ 0.17 hrs, Volume= 322 cf
Outflow = 0.37 cfs @ 0.17 hrs, Volume= 322 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.37 cfs @ 0.17 hrs, Volume= 322 cf
Routed to Reach 2C : PIPE TO GRATE 2B

Routing by Dyn-Stor-Ind method, Time Span= 0.00-72.00 hrs, dt= 0.01 hrs
Peak Elev= 25.52' @ 0.17 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	22.90'	**2.3" x 3.0" Horiz. Orifice/Grate** C= 0.600 Limited to weir flow at low heads

Primary OutFlow Max=0.37 cfs @ 0.17 hrs HW=25.51' TW=19.31' (Dynamic Tailwater)
↳**1=Orifice/Grate** (Orifice Controls 0.37 cfs @ 7.78 fps)

Pond G-2A: DITCH 2 GRATE 2A



Summary for Pond G-2B: DITCH 2 GRATE 2B

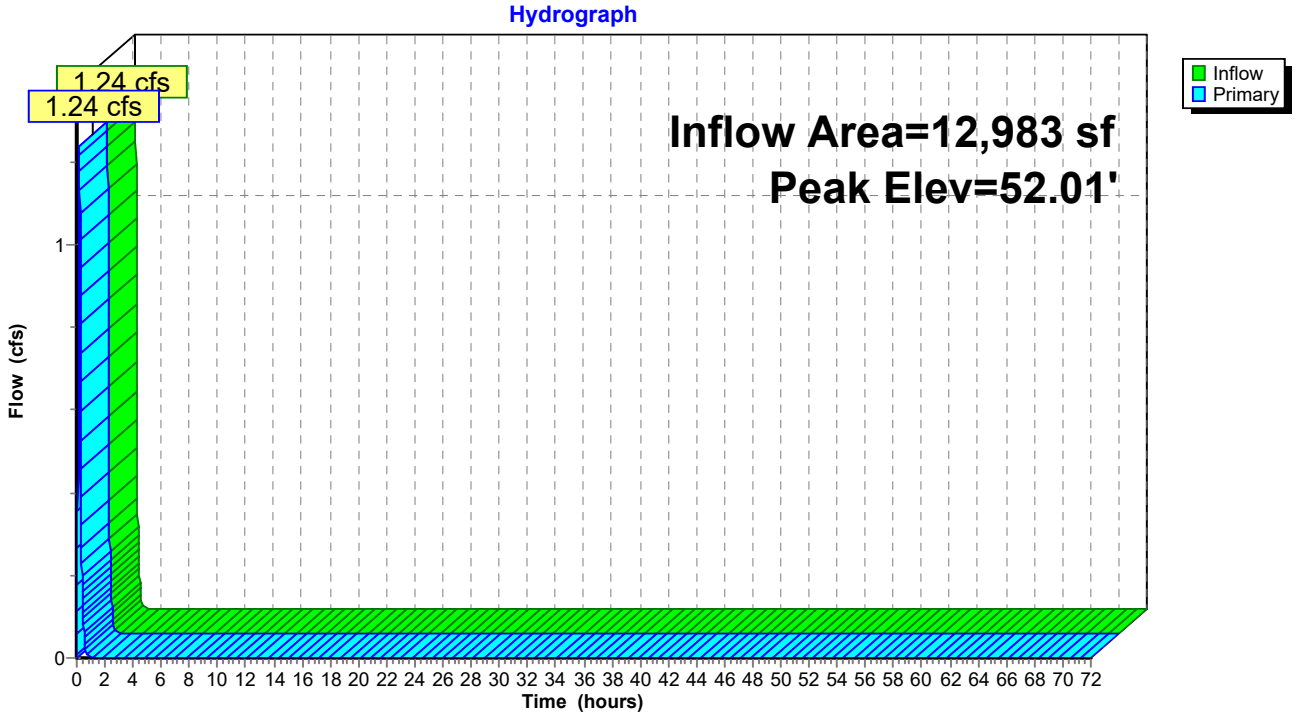
Inflow Area = 12,983 sf, 70.39% Impervious, Inflow Depth = 0.85" for 10-Year event
Inflow = 1.24 cfs @ 0.18 hrs, Volume= 918 cf
Outflow = 1.24 cfs @ 0.18 hrs, Volume= 918 cf, Atten= 0%, Lag= 0.0 min
Primary = 1.24 cfs @ 0.18 hrs, Volume= 918 cf
Routed to Reach 2D : GRATE TO OUTFALL

Routing by Dyn-Stor-Ind method, Time Span= 0.00-72.00 hrs, dt= 0.01 hrs
Peak Elev= 52.01' @ 0.18 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	23.25'	**2.3" x 3.0" Horiz. Orifice/Grate** C= 0.600 Limited to weir flow at low heads

Primary OutFlow Max=1.24 cfs @ 0.18 hrs HW=52.00' TW=19.07' (Dynamic Tailwater)
↳**1=Orifice/Grate** (Orifice Controls 1.24 cfs @ 25.82 fps)

Pond G-2B: DITCH 2 GRATE 2B



Summary for Pond G-3A: DITCH 3 GRATE 3A

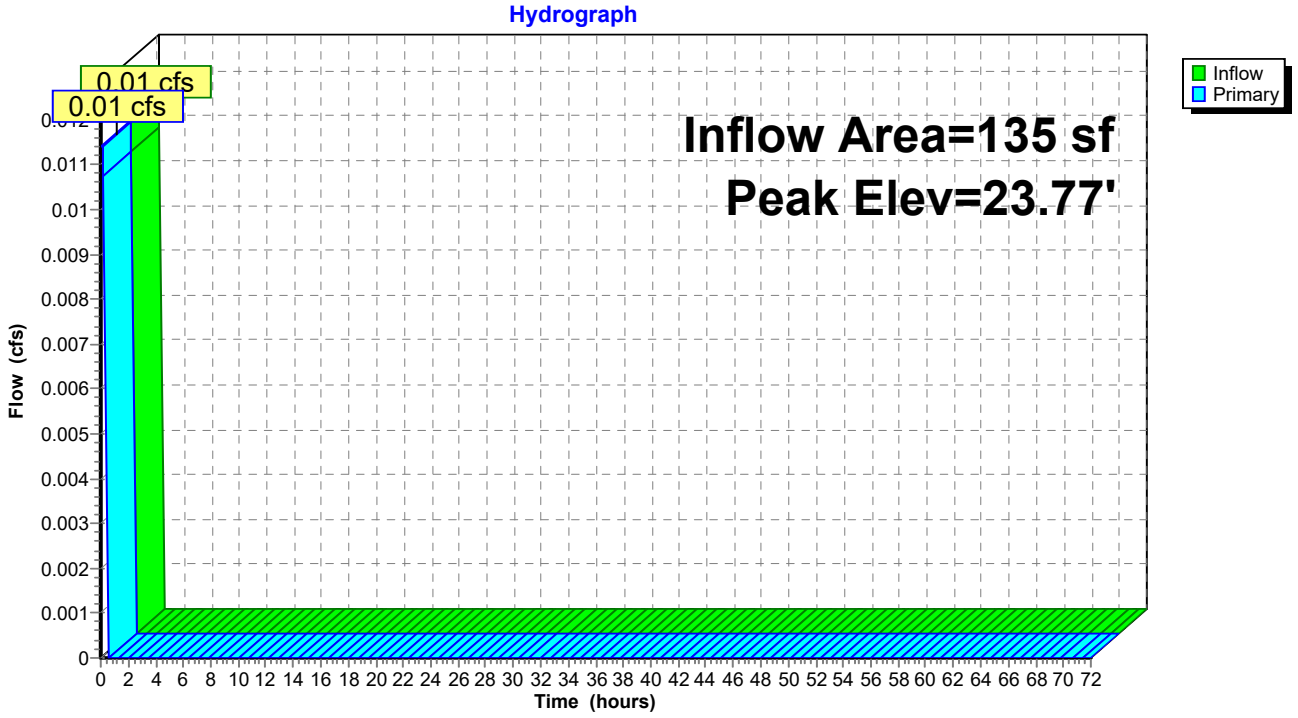
Inflow Area = 135 sf, 40.00% Impervious, Inflow Depth = 0.62" for 10-Year event
Inflow = 0.01 cfs @ 0.08 hrs, Volume= 7 cf
Outflow = 0.01 cfs @ 0.08 hrs, Volume= 7 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.01 cfs @ 0.08 hrs, Volume= 7 cf
Routed to Reach 3A : WEST

Routing by Dyn-Stor-Ind method, Time Span= 0.00-72.00 hrs, dt= 0.01 hrs
Peak Elev= 23.77' @ 0.00 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	23.75'	**2.3" x 3.0" Horiz. Orifice/Grate** C= 0.600 Limited to weir flow at low heads

Primary OutFlow Max=0.01 cfs @ 0.08 hrs HW=23.77' TW=20.27' (Dynamic Tailwater)
↳**1=Orifice/Grate** (Weir Controls 0.01 cfs @ 0.52 fps)

Pond G-3A: DITCH 3 GRATE 3A



Summary for Pond G-3B: DITCH 3 GRATE 3B

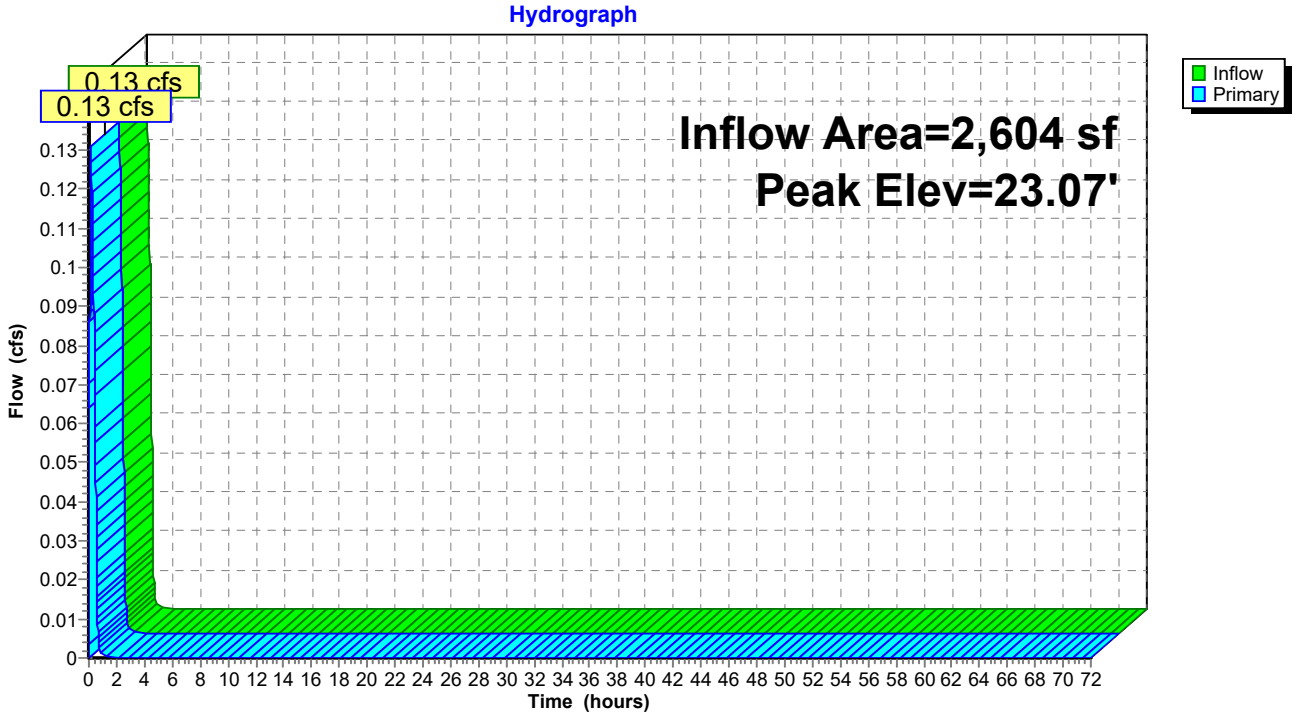
Inflow Area = 2,604 sf, 84.06% Impervious, Inflow Depth = 0.80" for 10-Year event
Inflow = 0.13 cfs @ 0.17 hrs, Volume= 173 cf
Outflow = 0.13 cfs @ 0.17 hrs, Volume= 173 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.13 cfs @ 0.17 hrs, Volume= 173 cf
Routed to Reach 3B : DITCH 3 TO DITCH 2

Routing by Dyn-Stor-Ind method, Time Span= 0.00-72.00 hrs, dt= 0.01 hrs
Peak Elev= 23.07' @ 0.17 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	22.75'	**2.3" x 3.0" Horiz. Orifice/Grate** C= 0.600 Limited to weir flow at low heads

Primary OutFlow Max=0.13 cfs @ 0.17 hrs HW=23.07' TW=19.86' (Dynamic Tailwater)
↳**1=Orifice/Grate** (Orifice Controls 0.13 cfs @ 2.72 fps)

Pond G-3B: DITCH 3 GRATE 3B



Summary for Pond P-3A: PROPOSED DITCH 3

Inflow Area = 135 sf, 40.00% Impervious, Inflow Depth = 0.62" for 10-Year event
Inflow = 0.01 cfs @ 0.00 hrs, Volume= 7 cf
Outflow = 0.01 cfs @ 0.08 hrs, Volume= 7 cf, Atten= 0%, Lag= 4.8 min
Primary = 0.01 cfs @ 0.08 hrs, Volume= 7 cf
Routed to Pond G-3A : DITCH 3 GRATE 3A

Routing by Dyn-Stor-Ind method, Time Span= 0.00-72.00 hrs, dt= 0.01 hrs
Peak Elev= 24.00' @ 0.00 hrs Surf.Area= 13 sf Storage= 0 cf

Plug-Flow detention time= 0.0 min calculated for 7 cf (100% of inflow)
Center-of-Mass det. time= 0.0 min (4.8 - 4.8)

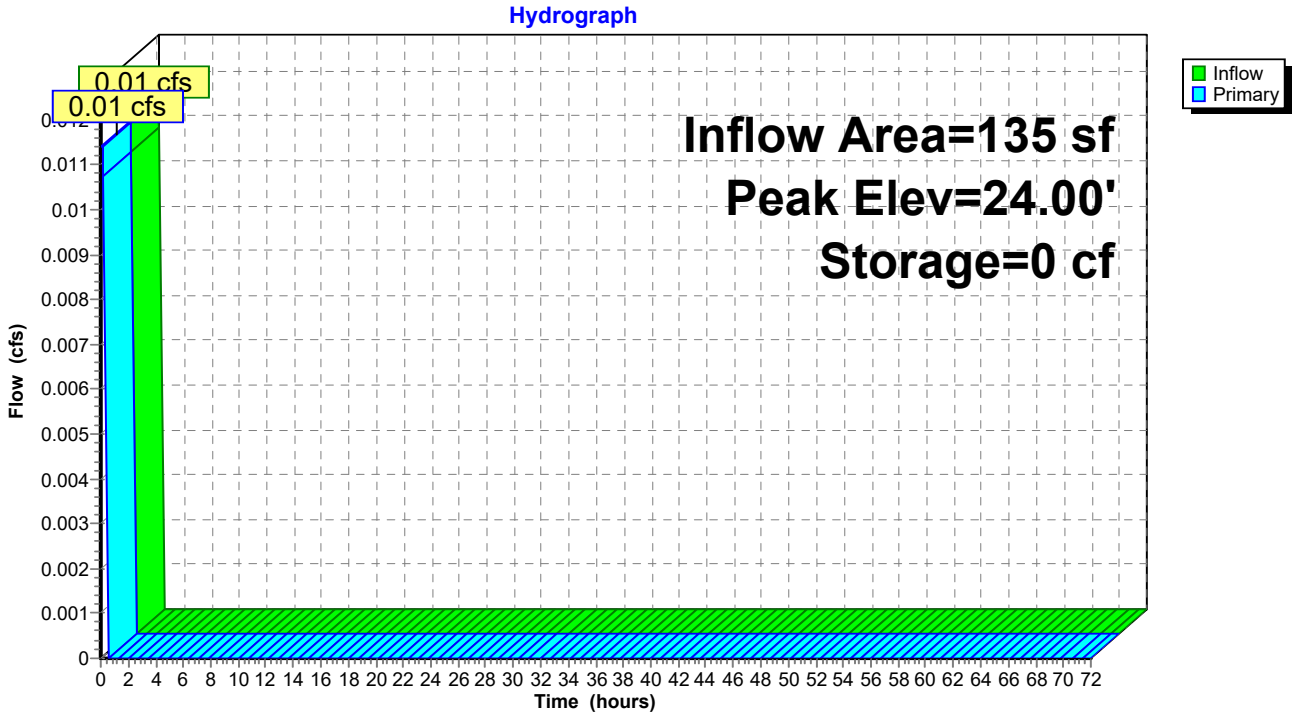
Volume	Invert	Avail.Storage	Storage Description
#1	24.00'	8 cf	**DITCH (Irregular)** Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
24.00	13	13.9	0	0	13
24.50	21	17.0	8	8	24

Device	Routing	Invert	Outlet Devices
#1	Primary	22.75'	**2.3" x 3.0" Horiz. Orifice/Grate** C= 0.600 Limited to weir flow at low heads

Primary OutFlow Max=0.00 cfs @ 0.08 hrs HW=24.00' TW=23.77' (Dynamic Tailwater)
↑**1=Orifice/Grate** (Passes 0.00 cfs of 0.11 cfs potential flow)

Pond P-3A: PROPOSED DITCH 3



Summary for Pond P-3B: PROPOSED DITCH 3

Inflow Area = 2,604 sf, 84.06% Impervious, Inflow Depth = 1.05" for 10-Year event
Inflow = 0.37 cfs @ 0.16 hrs, Volume= 228 cf
Outflow = 0.13 cfs @ 0.17 hrs, Volume= 173 cf, Atten= 65%, Lag= 0.5 min
Primary = 0.13 cfs @ 0.17 hrs, Volume= 173 cf
Routed to Pond G-3B : DITCH 3 GRATE 3B

Routing by Dyn-Stor-Ind method, Time Span= 0.00-72.00 hrs, dt= 0.01 hrs
Peak Elev= 23.38' @ 0.17 hrs Surf.Area= 256 sf Storage= 181 cf

Plug-Flow detention time= 14.4 min calculated for 166 cf (73% of inflow)
Center-of-Mass det. time= 12.4 min (17.2 - 4.8)

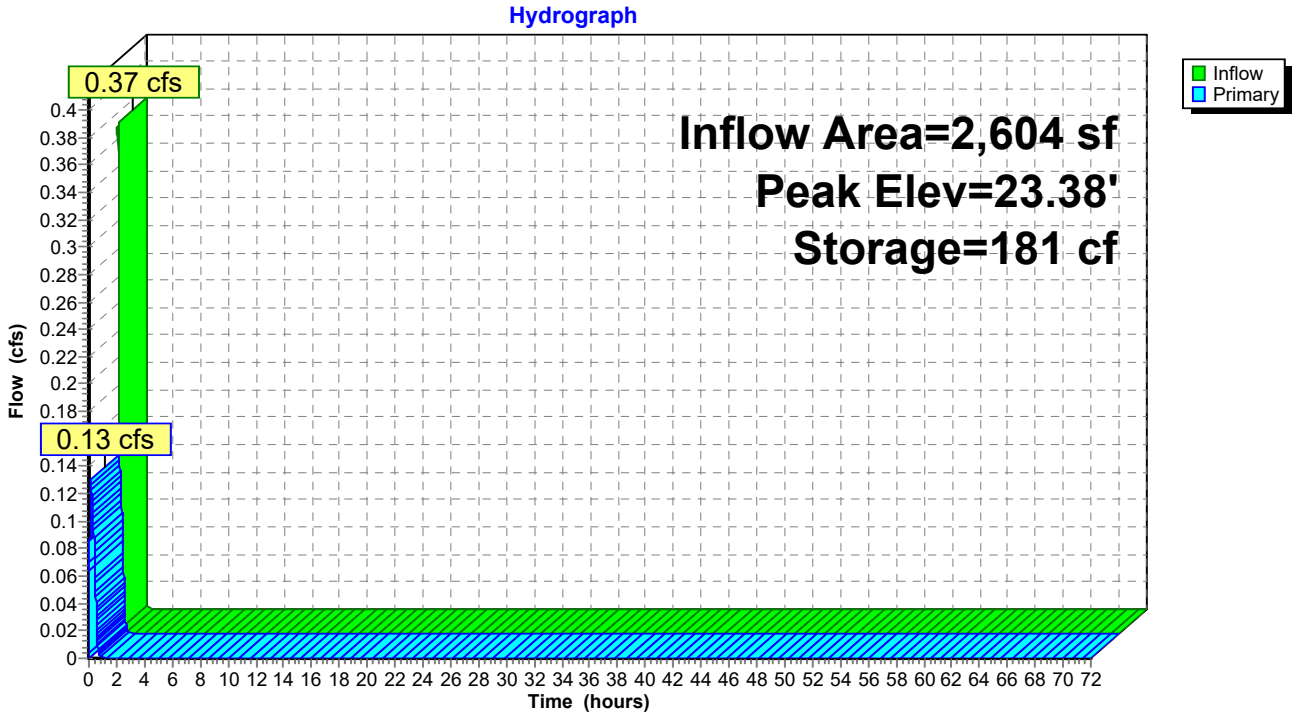
Volume	Invert	Avail.Storage	Storage Description
#1	22.25'	289 cf	**DITCH (Irregular)** Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
22.25	80	32.4	0	0	80
23.75	334	85.1	289	289	581

Device	Routing	Invert	Outlet Devices
#1	Primary	22.75'	**2.3" x 3.0" Horiz. Orifice/Grate** C= 0.600 Limited to weir flow at low heads

Primary OutFlow Max=0.13 cfs @ 0.17 hrs HW=23.38' TW=23.07' (Dynamic Tailwater)
↑**1=Orifice/Grate** (Orifice Controls 0.13 cfs @ 2.69 fps)

Pond P-3B: PROPOSED DITCH 3



APPENDIX E
DRAINAGE AREA MAPS

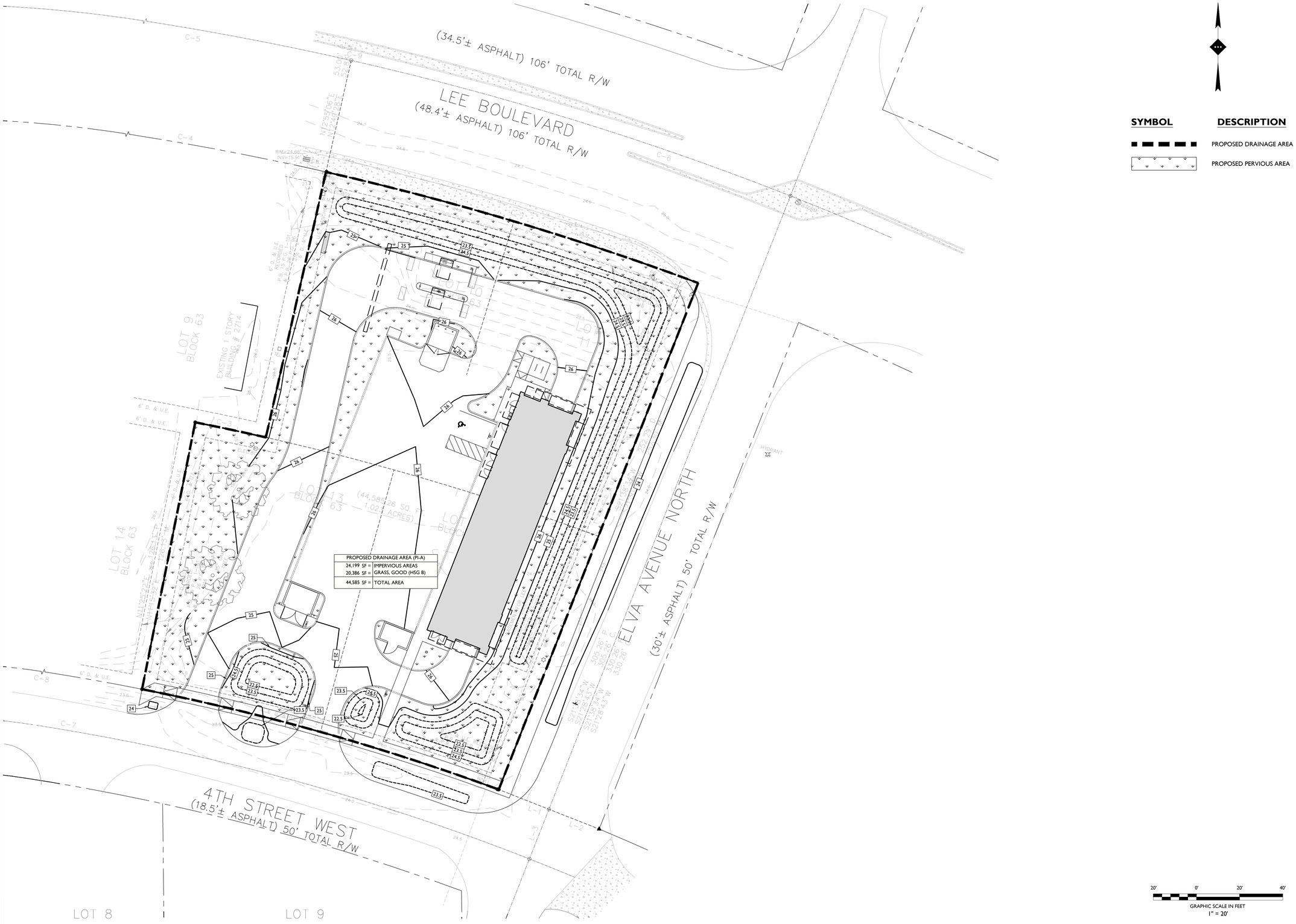
INVENTORY

EXISTING DRAINAGE AREA MAP

PROPOSED DRAINAGE AREA MAP

PROPOSED DRAINAGE DITCH AREA MAP


(34.5'± ASPHALT) 106' TOTAL R/W
LEE BOULEVARD
(48.4'± ASPHALT) 106' TOTAL R/W
C-5
C-4
C-6
C-9
C-8
C-7
C-3
C-2
C-1
N12°50'00"E
123.99'
S12°50'00"W
123.99'
RIM=24.66'
INV=15.91'
6' D. & U.E.
6' D. & U.E.
6' D. & U.E.
6' D. & U.E.
6' D. & U.E. RECORDED IN P.B. 15, PG. 96
6' D. & U.E. RECORDED IN P.B. 15, PG. 96
EXISTING 1 STORY BUILDING # 2714
LOT 9
BLOCK 63
LOT 13
BLOCK 63
(44,585 SQ. FT. 1.023 ACRES)
LOT 12
BLOCK 63
LOT 14
BLOCK 63
EXISTING DRAINAGE AREA (E1-A)
25,913 SF = IMPERVIOUS AREAS
18,672 SF = GRASS, GOOD (HSG B)
44,585 SF = TOTAL AREA
EXISTING CATCH BASIN
EXISTING INLET
EXISTING MANHOLE
EXISTING CURB INLET
EXISTING DRAINAGE EASEMENT
EXISTING CONCRETE
EXISTING ASPHALT
EXISTING CONCRETE CURB
EXISTING CONCRETE SIDEWALK
EXISTING CONCRETE DRIVEWAY
EXISTING ASPHALT DRIVEWAY
EXISTING CONCRETE CURB & GUTTER
EXISTING ASPHALT CURB & GUTTER
EXISTING CONCRETE SWALE
EXISTING ASPHALT SWALE
EXISTING CONCRETE FLUME
EXISTING ASPHALT FLUME
EXISTING CONCRETE APRON
EXISTING ASPHALT APRON
EXISTING CONCRETE PAVERS
EXISTING ASPHALT PAVERS



ISSUE	DATE	BY	DESCRIPTION
7	03/27/2026	GPG	FOR COUNTY SUBMISSION
6	02/20/2026	GPG	FOR COUNTY SUBMISSION - ADMINISTRATIVE VARIANCE
5	01/23/2026	GPG	LANDSCAPE PLAN REVIEW
4	11/26/2025	GPG	FOR COUNTY RESUBMISSION - DOT
3	08/14/2025	GPG	FOR COUNTY SUBMISSION
3	07/10/2025	GPG	FOR 90% CLIENT REVIEW
2	06/27/2025	KGR	FOR 60% CLIENT REVIEW
1	06/13/2025	GPG	FOR CLIENT REVIEW

NOT APPROVED FOR CONSTRUCTION

STONEFIELD engineering & design
Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com
One Harbour Place, Suite 250, 777 S Harbour Island Blvd,
Tampa, FL 33602
Phone 813.793.2200

SITE DEVELOPMENT PLANS

CAR WASH FLORIDA

LEHIGH ACRES
PROPOSED CARWASH

PARCEL ID: 25442605000063.0100 & 25442605000063.0120
2701 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

JAMES S. KINOSIAN, P.E.
FLORIDA LICENSE No. 86000
LICENSED PROFESSIONAL ENGINEER
FLORIDA BUSINESS CERT. OF AUTH. No. 30078

STONEFIELD engineering & design

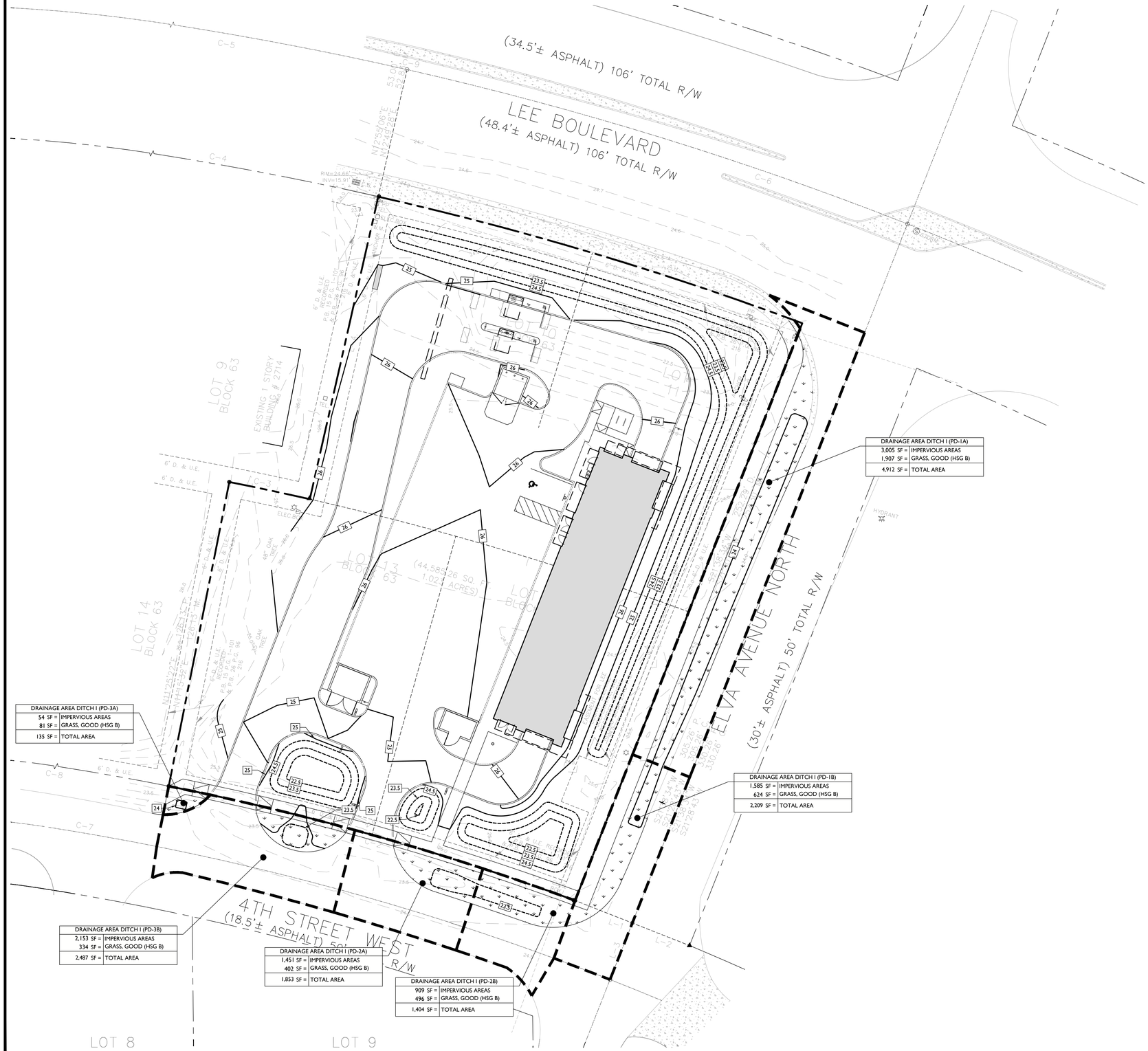
SCALE: 1" = 20' | PROJECT ID: TAM-250036

TITLE:

PROPOSED DRAINAGE AREA MAP

DRAWING:

2 OF 3



SYMBOL	DESCRIPTION
	PROPOSED DITCH DRAINAGE AREA
	PROPOSED DITCH PERVIOUS AREA

20' 0' 20' 40'

GRAPHIC SCALE IN FEET
1" = 20'

ISSUE	DATE	BY	DESCRIPTION
7	03/27/2026	GPG	FOR COUNTY SUBMISSION
6	02/20/2026	GPG	FOR COUNTY SUBMISSION - ADMINISTRATIVE VARIANCE
5	01/23/2026	GPG	LANDSCAPE PLAN REVIEW
4	11/26/2025	GPG	FOR COUNTY RESUBMISSION - DOT
3	08/14/2025	GPG	FOR COUNTY SUBMISSION
3	07/10/2025	GPG	FOR 90% CLIENT REVIEW
2	06/27/2025	KGR	FOR 60% CLIENT REVIEW
1	06/13/2025	GPG	FOR CLIENT REVIEW

NOT APPROVED FOR CONSTRUCTION

STONEFIELD engineering & design
Rutherford, NJ · New York, NY · Salem, MA
Princeton, NJ · Tampa, FL · Birmingham, MI
www.stonefieldeng.com
One Harbour Place, Suite 250, 777 S Harbour Island Blvd.
Tampa, FL 33602
Phone 813.793.2200

SITE DEVELOPMENT PLANS

CAR WASH FLORIDA

LEHIGH ACRES
PROPOSED CARWASH

PARCEL ID: 25-44-26-05-00063.0100 & 25-44-26-05-00063.0120
2701 LEE BOULEVARD
UNINCORPORATED LEE COUNTY
LEE COUNTY, FLORIDA

JAMES S. KINOSIAN, P.E.
FLORIDA LICENSE No. 86009
LICENSED PROFESSIONAL ENGINEER
FLORIDA BUSINESS CERT. OF AUTH. No. 30078

STONEFIELD engineering & design

SCALE: 1" = 20' | PROJECT ID: TAM-250036

TITLE:

PROPOSED DITCH DRAINAGE AREA MAP

DRAWING:

3 OF 3

Z:\TAMPA\TAP\2025\TAM-250036 EL CAR WASH - 2701 LEE BOULEVARD, LEHIGH ACRES, FL\CAD\DRAWINGS\DRAINAGE AREA MAPS\250036-03-3L (DRAINAGE AREA MAPS).DWG

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):	El Car Wash, Stonefield Engineering & Desgin
File No:	0463933001EG
File Name:	ECW LEHIGH ACRES
Site Address:	2701 Lee Blvd Lehigh Acres FL - 33971 1419
County:	Lee
Latitude:	26° 37' .4352"
Longitude:	-81° 40' 4.626"
Total Project Area:	1.02
Total Impervious Surface Area:	0.56
Approximate Date of Commencement of Construction:	01/01/2026
Registered Florida Professional:	James Kinosian
License No.:	86000
Company:	Stonefield Engineering & Design

Date: August 21, 2025

James Kinosian 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
Site Plan
Agent Authorization
Stormwater Report
Geotech Report

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, James Kinosian , License No. 86000, 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).

James S. Kinosian, Professional Engineer, State of Florida, License No. 86000. This Item has been digitally signed and sealed by James S. Kinosian, PE, on 8/26/2025. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.
2025.08.26 16:10:53-04'00'

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 #26-14

Recommended Action

Engineering Review:

By: _____ 1/22/2026 **Approved __ Denied _X_**

District Field Review:

By: _____ Approved ___ Denied ___

District Manager: _____ Date: _____

Comments:

The referenced permit application for EL Car Wash at 2701 Lee Boulevard & 2700 4th Street West, in Lehigh Acres, submitted by Stonefield Engineering & Design, has been reviewed and is denied for the following reasons:

1. Provide calculations for 100 Year – 3 Day Storm Stage Elevation to determine Minimum Finished Floor Elevation (FFE) and 10 Year – 1 Day Storm Stage Elevation to determine Minimum Road/Parking Elevation in the stormwater report. A nearby development (Tires Plus) modeling produced a permitted FFE of 27.6 NAVD. Required grading adjustments due to anticipated higher design elevations may limit the ability to propose a full detention stormwater design.

2. Roadside Drainage from the Proposed Roadside Drainage Ditches on the Stormwater Management Plan appears to have no outfall point. Please clarify where the roadside drainage has a positive outfall.

3. Paving and milling to the roadway requires a Lee County Department of Transportation (LCDOT) permit.

PART IV #26-14

Recommended Action

Engineering Review:

By: _____ 5/1/2026 **Approved _X_ Denied ___**

District Field Review:

By: _____ Approved ___ Denied ___

District Manager: _____ Date: _____

Comments:

The referenced permit application for EL Car Wash at 2701 Lee Boulevard & 2700 4th Street West, in Lehigh Acres, submitted by Stonefield Engineering & Design, has been reviewed and is recommended for approval with the following stipulations/comments:

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 #26-51, CenturyLink-Lumen Bore under Gunner Canal (46-22-3) at Park Rd

Meeting Date: May 18, 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 #26-51 Century Link-Lumen Bore Under Gunner Canal (46-22-3) at Park Road, with any listed stipulations.

What the action accomplishes: Allows Century Link-Lumen to install a fiber cable underneath Gunner Canal at Park Road, while staying 10' under LA-MSID's Canal.

Fiscal Impact: Permit Fees: $1,950.00

Staff comments: Approved according to the revised plans submitted April 6, 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 18th day of May, 2026, by Lehigh Acres Municipal Services Improvement District (hereinafter referred to as "DISTRICT"), 601 East County Lane, Lehigh Acres, Florida 33936, to CenturyLink/Lumen, 2828 Cargo St., Fort Myers, FL 33916, hereinafter referred to as the "Permittee") as a non-exclusive permit for a proposed directional bore under Gunner Canal (46-22-3), along the north side of Park Road, between Sunset Road & 20th St. W., 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. 26-51

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 #26-51 is approved according to the revised plans submitted April 6th, 2026.

2). The proposed bore must maintain a minimum clearance of 10 feet below the bottom elevation of the canal for the entire 80' width of 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 or bridge in the future.

8). Provide LAMSID with a copy of your survey record drawings, 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 Park Road.

PART I

DATE SUBMITTED: 03 - 30 - 26

PERMIT #: 26 - 51

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: Aris Nova **PHONE #:** (941) 763-6216

PROJECT NAME: P.085493

TOTAL ACREAGE:

Property Address (STRAP associated with this address will be used as the primary STRAP for this project): 3976 Sunset Rd, Lehigh Acres, FL 33971					
Mailing Address:	N/A				
City:	Lehigh Acres	**State:**	FL	**Zip:**	33971

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

21		44		26		L3		03022				0040							

Brief description of proposed project:

Application for: CenturyLink of Florida, Inc. to place conduit 10ft under canal located at right of way of Park Rd at GPS 26.635173, -81.714583 for 80ft the width of the canal.

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

Estimated # of Phases:	
***Permit Fee:**	$ 1950 **(to be verified by staff)**

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

RECEIVED
MAR 30 2026
LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

PART II

OWNER/APPLICANT/ DEVELOPER INFORMATION

A.

Name of Applicant	CenturyLink/Lumen				
Mailing Address:	**Street:**	2828 Cargo St			
City:	Fort Myers	**State:**	FL	**Zip:**	33916
Phone No.	**Area Code:**	941	**Number:**	763 - 6216	**Ext.**
Fax No.	**Area Code:**		**Number:**	-	
E-mail Address:	flpermits@forgedfiber37.com				

B. Relationship of applicant to property*:

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

☐ **Contract Purchaser*** ☑ **Other (indicate)*** Utility

C.

Name of Developer:	N/A				
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):	Aris Nova				
Mailing Address:	**Street:**	2828 Cargo St			
City:	Fort Myers	**State:**	FL	**Zip:**	33916
Phone No.	**Area Code:**	(941)	**Number:**	763 - 6216	**Ext.**
Fax No.	**Area Code:**	( )	**Number:**	-	
E-mail Address:	Aris.Nova@forgedfiber37.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

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:	N/A				
Mailing Address:					
City:		**State:**		**Zip:**	
Business No.	**Area Code:** ( )	**Number:**	-	**Ext.**	
Other Contact:					

ENGINEER

Name:	David Collado				
Mailing Address:	240 E Central Pkwy Suite 1050				
City:	Altamonte Springs	**State:**	FL	**Zip:**	32701
Business No.	**Area Code:** (407)	**Number:**	774 - 1951	**Ext.**	
Other Contact:	colladod@outsource-inc.com				

OTHER REPRESENTATIVE/PROFESSIONAL

Name:	TIM MANN				
Mailing Address:	**10970 S CLEVELAND AVE SUITE 605**				
City:	FORT MYERS	**State:**	FL	**Zip:**	33907
Business No.	**Area Code:** 239	**Number:**	275-8575	**Ext.**	
Other Contact:	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

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

Aris Nova.

PRINTED OR TYPED NAME OF APPLICANT

STATE OF FLORIDA
COUNTY OF LEE

The foregoing instrument was acknowledged before me this 18th day of March (m), 2026(y), by Aris Nova who is personally know to me or has produced FL-DL as identification.

Notary Public State of Florida
Jasmine Mendez
My Commission HH 397067
Expires 5/10/2027

SIGNATURE OF NOTARY PUBLIC

Jasmine Mendez

PRINTED NAME OF NOTARY PUBLIC

Forged Fiber 37 Services, LLC
Accounts Payable
208 S Akard St
Dallas, TX 75202

2100113 01 SD T 6060 FIB01 -P00113 C07

Lehigh Acres MSID
601A East County Lane
Lehigh Acres FL 33936

Check Date:	03/28/2026
Check No.:	0000035214
Check Amount:	$1,950.00
Vendor No.:	34819

INVOICE DATE	INVOICE NUMBER	DESCRIPTION	GROSS AMOUNT	DISCOUNT AMOUNT	NET AMOUNT
03/27/2026	N/A		$1,950.00	$0.00	$1,950.00
		TOTAL			

Permit #26-51

RECEIVED
APR 06 2026
LEHIGH ACRES
MUNICIPAL SERVICES
IMPROVEMENT DISTRICT

SD2100113-0001_of_0001 6060-0000113 (F23S)

DETACH AND RETAIN THIS STUB FOR YOUR RECORDS

CHECK # 0000035214 ATTACHED BELOW

Forged Fiber 37 Services, LLC
Accounts Payable
208 S Akard St
Dallas, TX 75202

62-20
311

CHECK NO.: 0000035214

CHECK DATE: 03/28/2026

One Thousand Nine Hundred Fifty and 00/100 Dollars

PAY TO THE ORDER OF
Lehigh Acres MSID
601A East County Lane
Lehigh Acres FL 33936

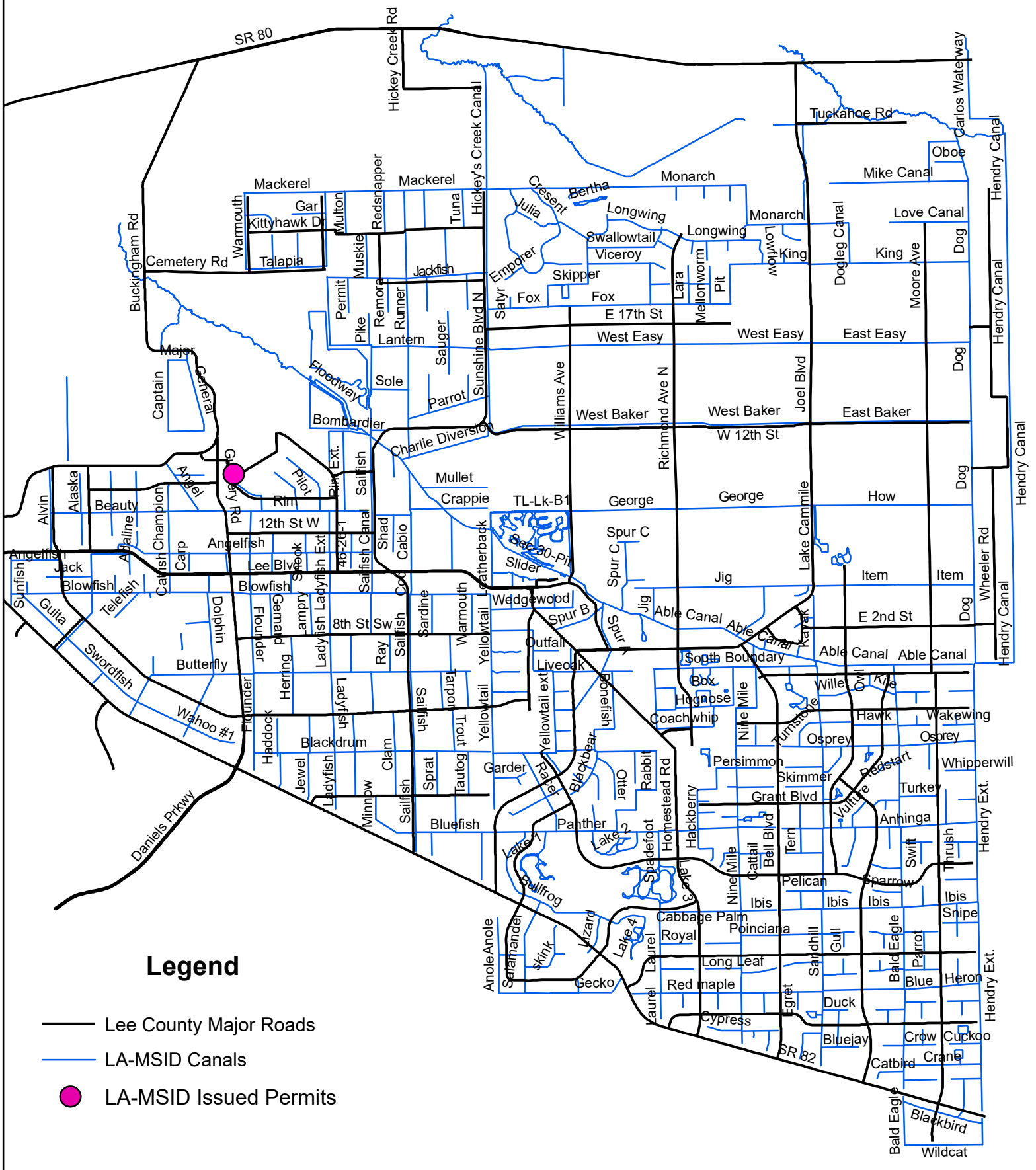
$$$$$$$$$$1,950.00
Void If After 180 Days

AUTHORIZED SIGNATURE

CITIBANK, N.A.
ONE PENN'S WAY, NEW CASTLE, DE 19720

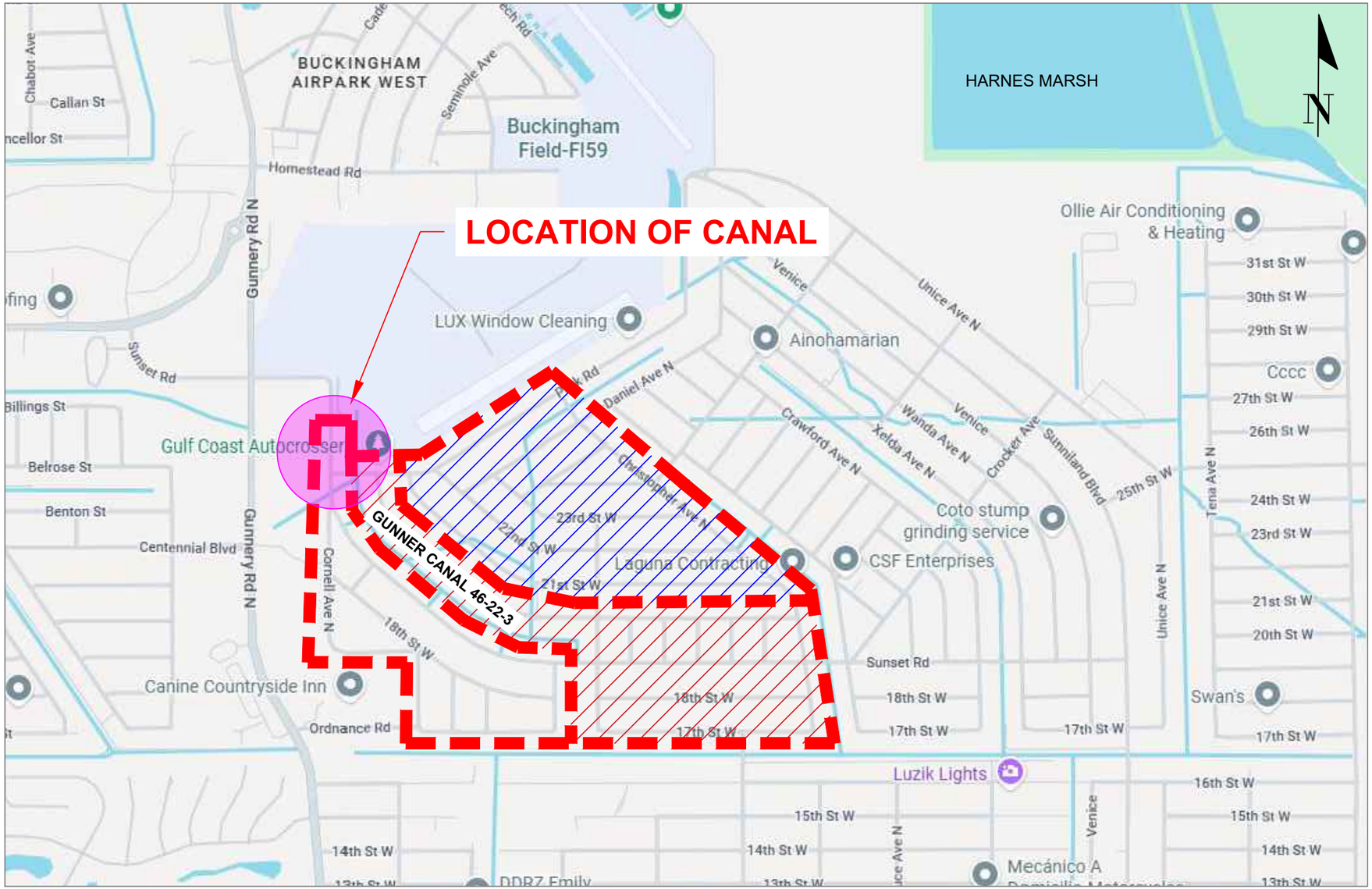
⑈0000035214⑈ ⑆031100209⑆ 5434438 6⑈

Permit # 2026-51



Job Location: 3969 Sunset Rd, Lehigh Acres, FL 33971

PERMIT 1
PROJECT MAP LOCATION



Narrative/Special Remarks

LEHIGH ACRES M.S.I.D. PERMIT

Developer Contact:

Held Order Information

Service Order #:	Customer Terminal:
Customer Name: N/A	Cable Assignment: F1: -- F2:
Customer Address:	Cross Connect:

Misc. Information

List all associated projects:	Right of Way	0
	State Permit	0
	County Permit	1
	City Permit	0
Site Location ID (BVAP) #:	Additional Permit Information: LEHIGH ACRES M.S.I.D.PERMIT	
	Trench Open Date:	
FW Contracts:	Cut Sheets:	
	RZ	
	CZ	
	Notify Conversation Number:	

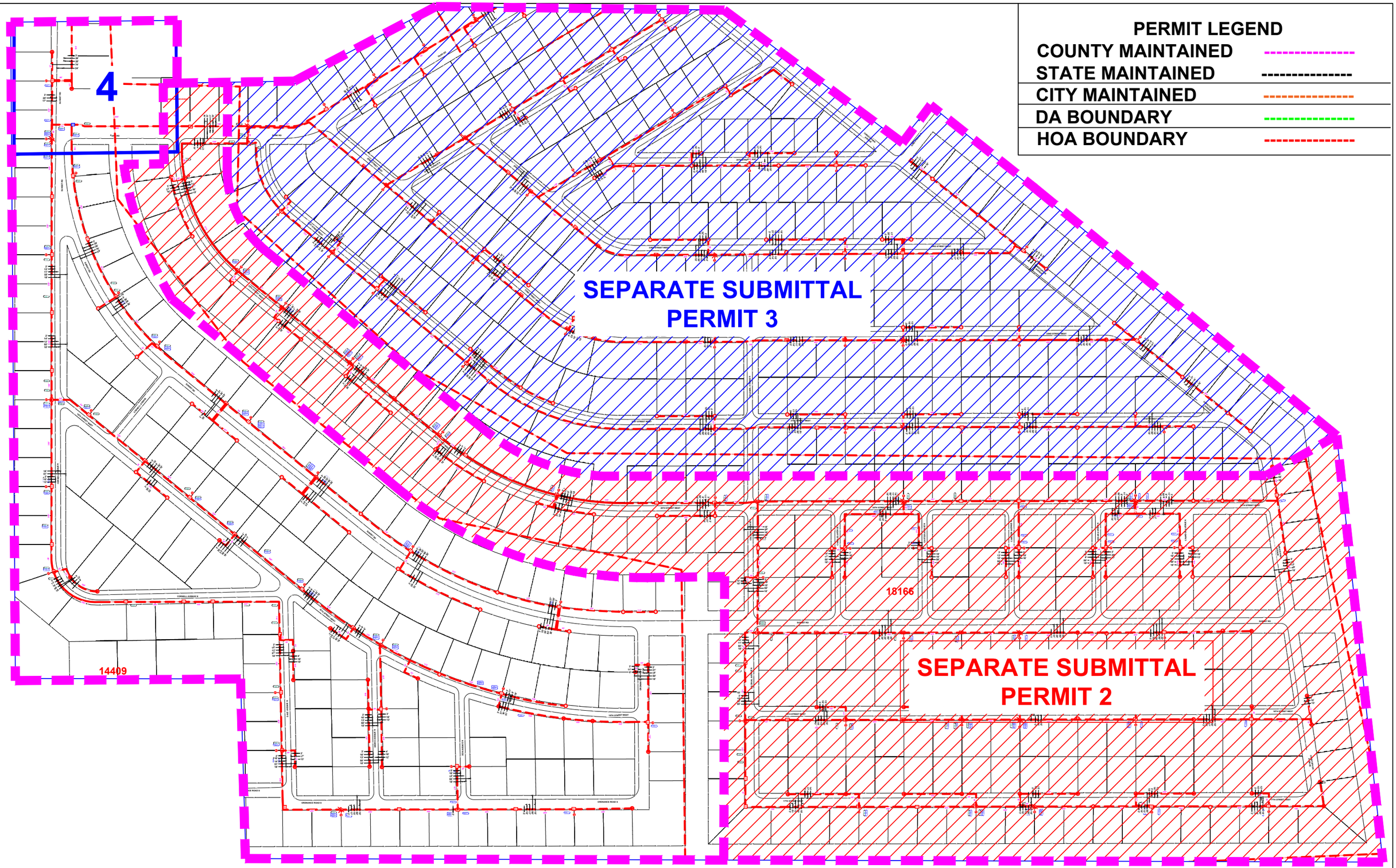
DATE	REVISIONS
3/30/2026	COMMENTS FROM PERMIT DEPARTMENT

LUMEN®

EXCEPT AS MAY BE OTHERWISE PROVIDED BY CONTRACT. THESE DRAWINGS AND SPECIFICATIONS SHALL REMAIN THE PROPERTY OF LUMEN BEING ISSUED IN STRICT CONFIDENCE AND SHALL NOT BE REPRODUCED, COPIED, OR USED FOR ANY PURPOSE WITHOUT SPECIFIC WRITTEN PERMISSION.

PROJECT NAME	ST PROJECT NAME	COMMUNITY NAME	ENGINEERING CONTACT	CONTRACT ENGINEER	PLACING CONTACT
P.085493		COUNTY: LEE CITY: EAST FT MYERS	NAME: ARIS NOVA PHONE: +1 689 407 3575	NAME: DAVID COLLADO COMPANY: OUTSOURCE INC	NAME: BRYAN BRASHEAR PHONE: BRYAN.BRASHEAR@LUMEN.COM

REVISION: 01	DESC: FL_FTMYFLXB_FTMY-2A		
SECTION : 22	WC CLLI: FTMYFLXB		
TOWNSHIP : 44	EXCH KEY #: A52D		
RANGE : 26	SCALE:	DATE: 2/24/2026	SHEET: 01 OF 06



PERMIT LEGEND

COUNTY MAINTAINED	----------
STATE MAINTAINED	----------
CITY MAINTAINED	----------
DA BOUNDARY	----------
HOA BOUNDARY	----------

FW PROJECT NUMBER	ST PROJECT NUMBER	ENGINEER CONTACT	PLACING CONTACT	SPLICING CONTACT	CONTRACT ENGINEER	REVISION # 01		DATE	2/24/2026
P.085493	P-399694	ARIS, NOVA 941-763-6216	TYLER LONG 239-357-6563	TYLER LONG 239-357-6563	DAVID COLLADO OUTSOURCE-INC	Scale: 1:50		SHEET OF	02 06

LUMEN CenturyLink

LEGEND

EXISTING HH/ MH SPLICING	NEW HH/ MH SPLICING
2-WAY SPLICE	2-WAY SPLICE
3-WAY SPLICE	3-WAY SPLICE
4-WAY SPLICE	4-WAY SPLICE
MID ENTRY SPLICE	MID ENTRY SPLICE

NEW PED SPLICING

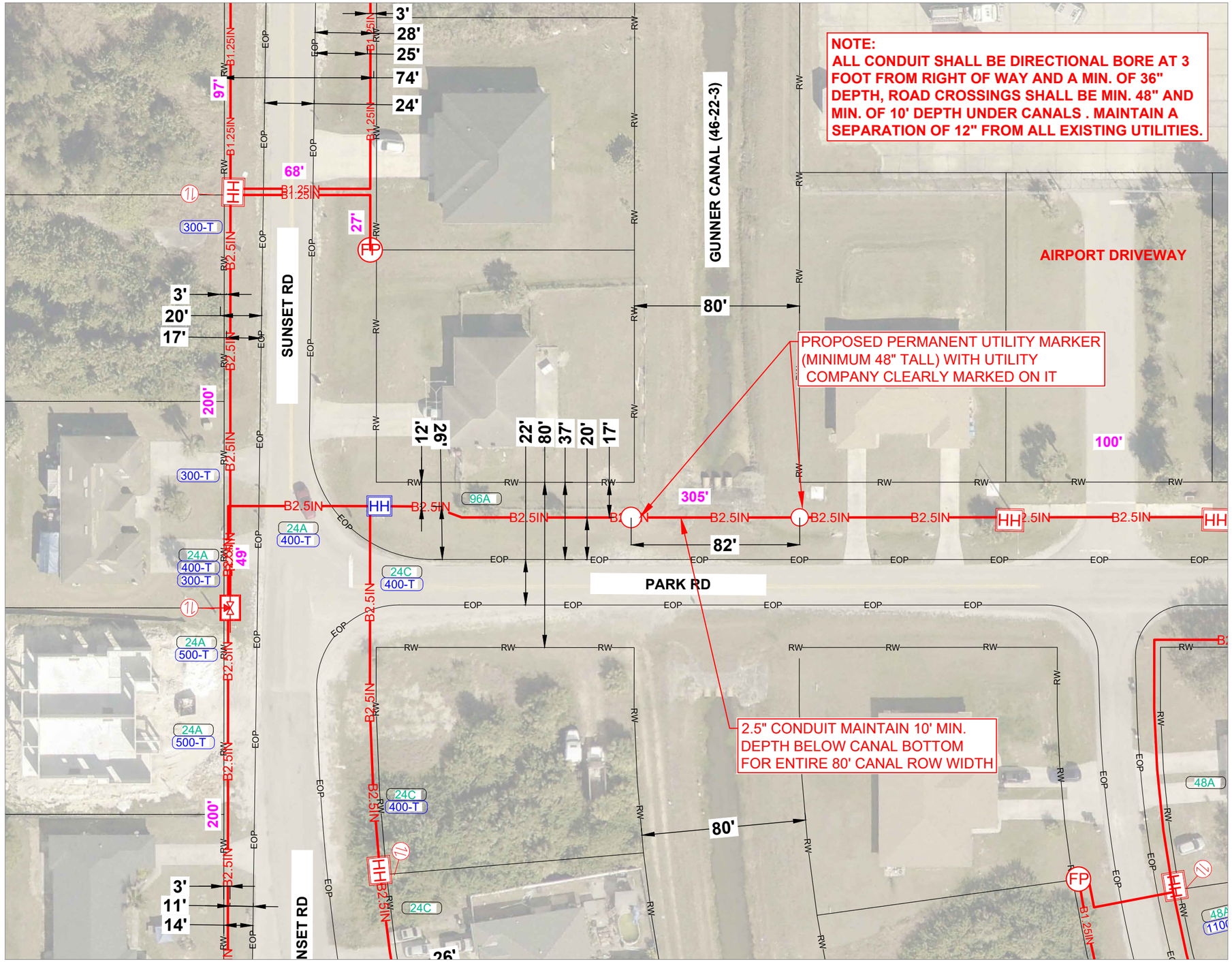
- 2-WAY SPLICE
- 3-WAY SPLICE
- 4-WAY SPLICE
- MID ENTRY SPLICE

- EX. POLE
- NEW FP
- NEW PED
- EX. MH
- NEW HH
- EX. HH
- EXIST. ANCHOR
- NEW ANCHOR
- SNOW SHOE
- 1X8 MST DISTRIBUTION
- S1_SPLITTER
- SERVING UNITS LABELS
- CABLE PILL (CABLE_NAME) — 48A
- IST TAILS — 400'-T
- GROUND ROD

- RIGHT OF WAY — R/W
- CENTER LINE — C/L
- BACK OF CURVE — BOC
- END OF PAVEMENT — EOP
- SIDE WALK — SW
- PUBLIC UTILITY EASEMENT — PUE
- BORE 1 INCH
- BORE 1.25 INCH — B1.25IN
- BORE ADDL 1.25 INCH — B/AD1.25IN
- BORE 2 INCH — B2.5IN
- BORE ADDL 2 INCH — B/AD2IN
- BORE 2.5 INCH — B2.5IN
- BORE ADDL 2.5 INCH — B/AD2.5IN
- TRENCH 1.25 INCH — T1.25IN
- TRENCH ADDL 1.25 INCH — T/AD1.25IN
- TRENCH 2 INCH — T2IN
- TRENCH ADDL 2 INCH — T/AD2IN
- TRENCH 2.5 INCH — T2.5IN
- TRENCH ADDL 2.5 INCH — T/AD2.5IN
- PLOW 2 INCH — P2IN
- PLOW 1.25 INCH — P1.25
- EXISTING F1 AERIAL Fibers — AF
- EXISTING F1 Fibers — F
- 96F CABLE — 96F
- 48F CABLE — 48F
- 24F CABLE
- EXISTING CONDUIT — EX. CON

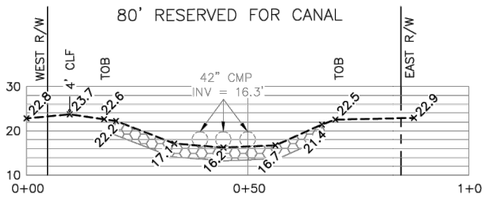
FW PROJECT NUMBER	ST PROJECT NUMBER	ENGINEER CONTACT	PLACING CONTACT	SPLICING CONTACT	CONTRACT ENGINEER	REVISION # 01		DATE	2/24/2026
P.085493	P-399694	ARIS, NOVA 941-763-6216	TYLER LONG 239-357-6563	TYLER LONG 239-357-6563	DAVID COLLADO OUTSOURCE-INC	Scale: NONE		SHEET	03
								OF	06

LUMEN CenturyLink

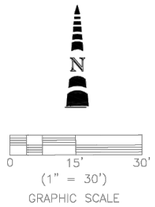


FW PROJECT NUMBER	ST PROJECT NUMBER	ENGINEER CONTACT	PLACING CONTACT	SPLICING CONTACT	CONTRACT ENGINEER	REVISION # 01		DATE	2/24/2026
P.085493	P-399694	ARIS, NOVA 941-763-6216	TYLER LONG 239-357-6563	TYLER LONG 239-357-6563	DAVID COLLADO OUTSOURCE-INC	Scale: 1:50		SHEET OF	04 06

LUMEN CenturyLink

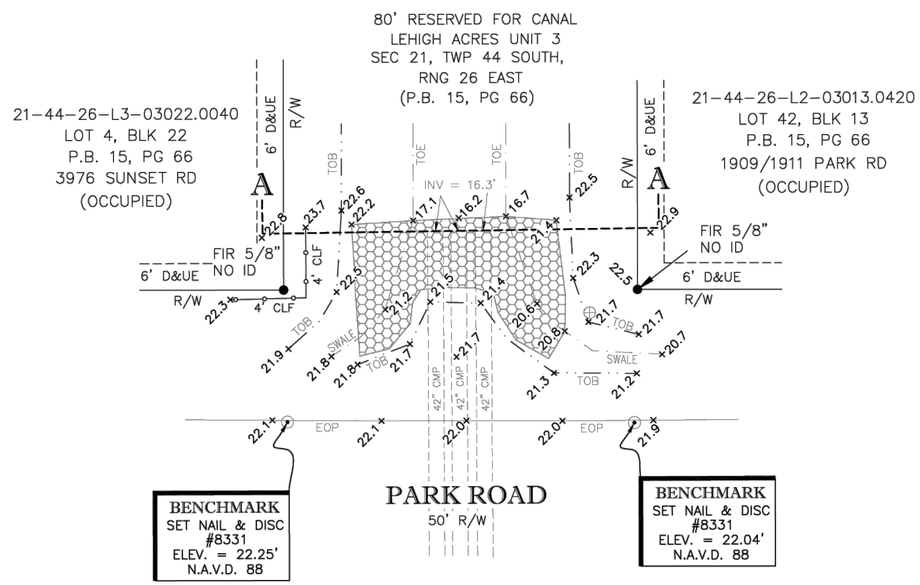


A–A PROFILE VIEW
1" = 30' HORIZONTAL
1" = 30' VERTICAL

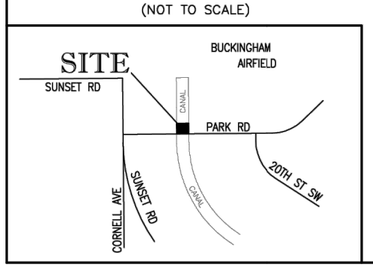


LEGEND:

FIR = FOUND IRON ROD
N&D = NAIL AND DISC
ELEV = ELEVATION
TRAV = TRAVERSE
CONC = CONCRETE
D&UE = DRAINAGE & 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
+28.7' = SPOT ELEVATION
⊕ = FIBER OPTIC CABLE MARKER
▨ = CONCRETE SPILLWAY



VICINITY SKETCH
(NOT TO SCALE)



ASBUILT SURVEY

OF A PARCEL OF LAND LYING IN SECTION 21, TOWNSHIP 44 SOUTH, RANGE 26 EAST, LEHIGH ACRES, LEE COUNTY, FLORIDA

NOTES:

SURVEY BASED ON THE PLAT OF LEHIGH ACRES UNIT 3 AS RECORDED IN PLAT BOOK 15, PAGE 66, 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 NORTH OF PARK RD BETWEEN SUNSET RD AND 20TH ST W, 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", AREA OF MINIMAL FLOOD HAZARD, PER INSURANCE RATE MAP 12771C 0314F, EFFECTIVE DATE 8–28–08.

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: 2–19–2026.

Timothy L Mann

Digitally signed by Timothy L Mann
Date: 2026.02.23 12:31:19 -05'00'

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.

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.

PARK ROAD, 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

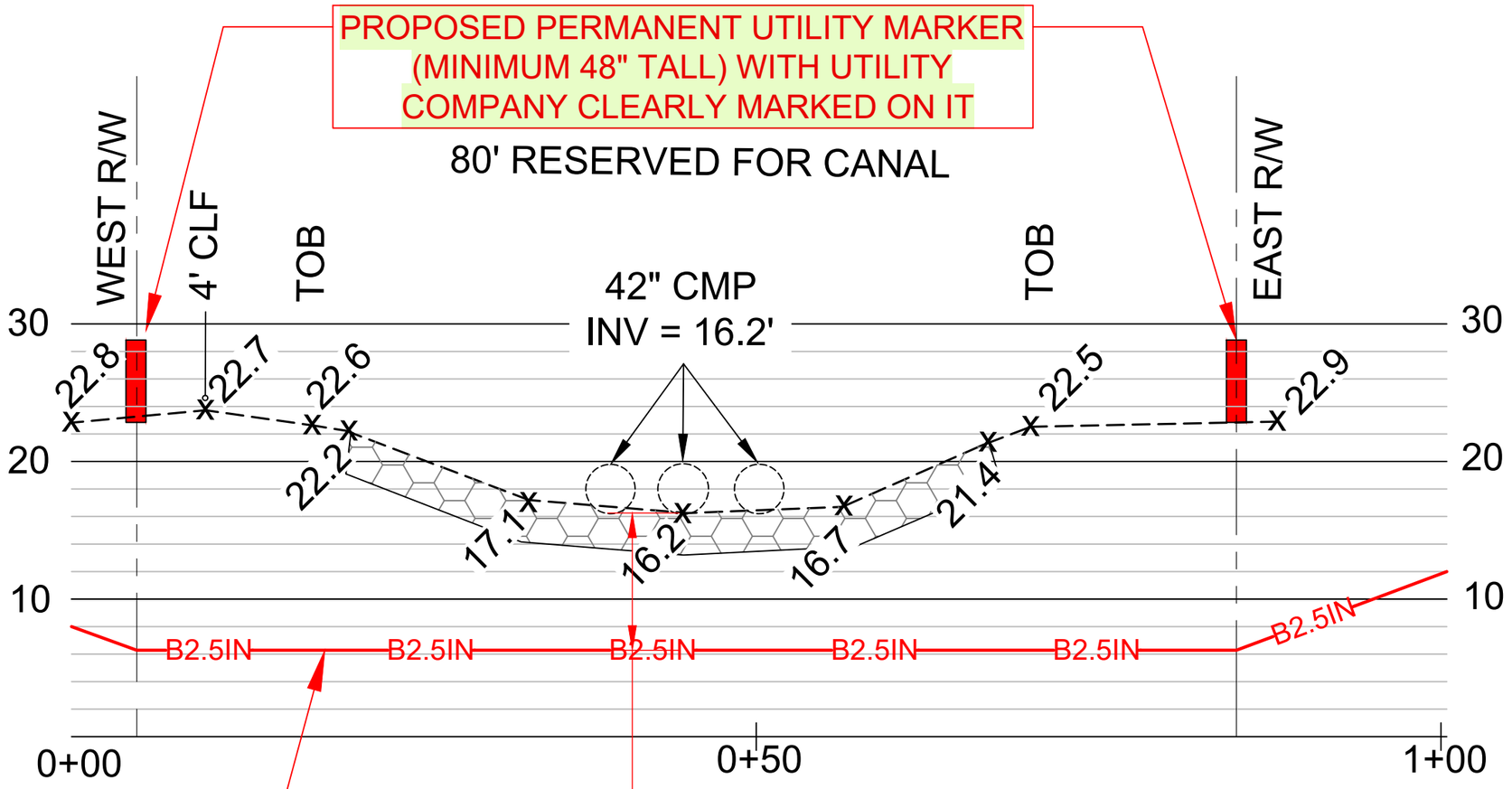
FILE NAME:	FIELD BOOK/PAGE:	PROJECT NO.:	SHEET:
15767SR.DWG	SEE FILE	16767	1 OF 1

SURVEY DATE:	DRAWN BY:	SCALE:	CHECKED BY:	FILE NO. (S–T–R)
2/23/26	BUD	1"= 30'	TLM	21–44–26

FW PROJECT NUMBER	ST PROJECT NUMBER	ENGINEER CONTACT	PLACING CONTACT	SPLICING CONTACT	CONTRACT ENGINEER	REVISION # 01		DATE	2/24/2026
P.085493	P-399694	ARIS, NOVA 941-763-6216	TYLER LONG 239-357-6563	TYLER LONG 239-357-6563	DAVID COLLADO OUTSOURCE-INC	Scale: 1:50		SHEET	05
								OF	06

LUMEN CenturyLink

GUNNER CANAL (46-22-3)

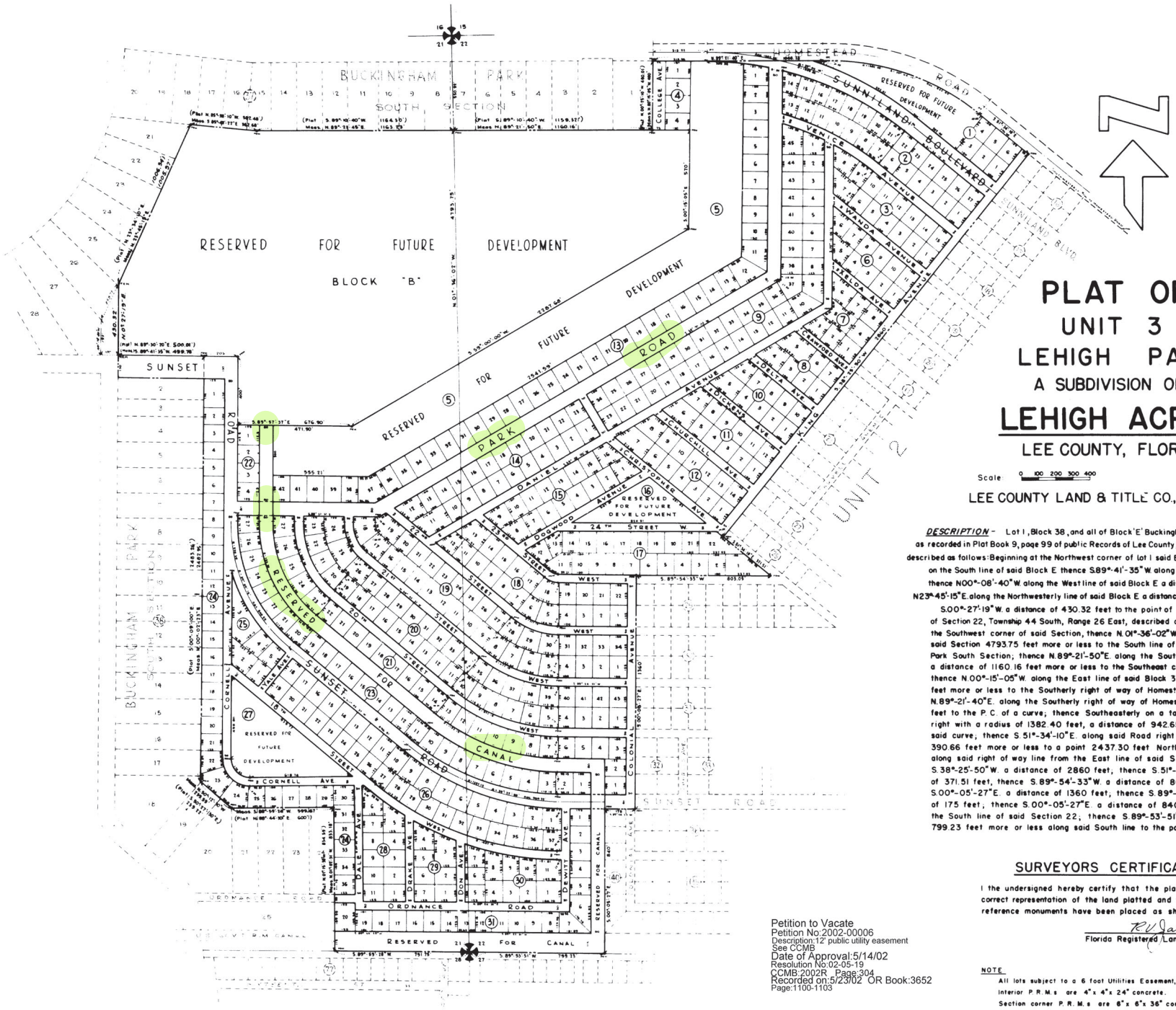


NOTE:
BORE MUST BE 10' BELOW THE LOWEST PIPE INVERT OR THE CANAL BOTTOM WHICHEVER IS LOWEST, FOR THE ENTIRE 80' WIDE CANAL ROW

NOTE:
ALL CANAL RIGHT OF WAY THAT IS DISTURBED MUST BE RESTORED WITH SOD AND MAINTAINED UNTIL WELL ESTABLISHED. NO SEEDING WILL BE ALLOWED

FW PROJECT NUMBER	ST PROJECT NUMBER	ENGINEER CONTACT	PLACING CONTACT	SPLICING CONTACT	CONTRACT ENGINEER	REVISION # 02		DATE	2/24/2026
P.085493	P-399694	ARIS, NOVA 941-763-6216	TYLER LONG 239-357-6563	TYLER LONG 239-357-6563	DAVID COLLADO OUTSOURCE-INC	Scale: 1:10		SHEET OF	06 06

LUMEN CenturyLink



PLAT OF
UNIT 3
LEHIGH PARK
A SUBDIVISION OF
LEHIGH ACRES
LEE COUNTY, FLORIDA

Scale 0 100 200 300 400 January 1961

LEE COUNTY LAND & TITLE CO., DEVELOPERS

DESCRIPTION – Lot 1, Block 38, and all of Block 'E' Buckingham Park, South Section, as recorded in Plat Book 9, page 99 of public Records of Lee County, Florida except that part described as follows: Beginning at the Northwest corner of Lot 1 said Block 38, said point being on the South line of said Block E thence S.89°-41'-35"W. along said South line 100 feet thence N00°-08'-40"W. along the West line of said Block E a distance of 193 feet thence N23°-45'-15"E. along the Northwesterly line of said Block E a distance of 259.77 feet, thence S.00°-27'-19"W. a distance of 430.32 feet to the point of beginning, and that part of Section 22, Township 44 South, Range 26 East, described as follows: Beginning at the Southwest corner of said Section, thence N.01°-36'-02"W. along the West line of said Section 4793.75 feet more or less to the South line of Block 37, Buckingham Park South Section; thence N.89°-21'-50"E. along the South line of said Block 37, a distance of 1160.16 feet more or less to the Southeast corner of said Block 37, thence N.00°-15'-05"W. along the East line of said Block 37, a distance of 400 feet more or less to the Southerly right of way of Homestead Road; thence N.89°-21'-40"E. along the Southerly right of way of Homestead Road 1040.28 feet to the P.C. of a curve; thence Southeasterly on a tangential curve to the right with a radius of 1382.40 feet, a distance of 942.65 feet to the P.T. of said curve; thence S.51°-34'-10"E. along said Road right of way a distance of 390.66 feet more or less to a point 2437.30 feet Northwesterly measured along said right of way line from the East line of said Section 22; thence S.38°-25'-50"W. a distance of 2860 feet; thence S.51°-34'-10"E. a distance of 371.51 feet, thence S.89°-54'-33"W. a distance of 803.05 feet; thence S.00°-05'-27"E. a distance of 1360 feet; thence S.89°-54'-33"W. a distance of 175 feet; thence S.00°-05'-27"E. a distance of 840 feet more or less to the South line of said Section 22; thence S.89°-53'-51"W. a distance of 799.23 feet more or less along said South line to the point of beginning.

SURVEYORS CERTIFICATE

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.

R.V. Jamme
Florida Registered Land Surveyor No. 1198

NOTE

All lots subject to a 6 foot Utilities 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.

NOTE:
DIMENSIONS, BEARINGS, LOT AND LAND LINES ON DRAWING OF LATEST DATE SHALL GOVERN.

Petition to Vacate
Petition No:2002-00006
Description:12' public utility easement
See CCMB
Date of Approval:5/14/02
Resolution No:02-05-19
CCMB:2002R Page:304
Recorded on:5/23/02 OR Book:3652
Page:1100-1103

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 #26-51

Recommended Action

Engineering Review:

By: _____4/9/2026 **Approved _X_ Denied __**

District Field Review:

By: _____ Approved ___ Denied ___

District Manager: _____ Date: _____

Comments:

The referenced permit application for a boring under Gunner Canal at Sunset Road, in Lehigh Acres, submitted by Lumen, 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 #26-53, CenturyLink-Lumen Bore under Angelfish Canal (46-28-2) at Gunnery Rd

Meeting Date: May 18, 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 #26-53, CenturyLink-Lumen Bore under Angelfish Canal (46-28-2) at Gunnery Rd, with any listed stipulations.

What the action accomplishes: Allows CenturyLink-Lumen to install a fiber cable under Angelfish Canal (46-28-2) at Gunnery Rd., while staying 10' under LA-MSID's Canal.

Fiscal Impact: Permit Fees: $3,052.50

Staff comments: Approved according to the revised plans submitted April 27, 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 18th day of May, 2026, by Lehigh Acres Municipal Services Improvement District (hereinafter referred to as "DISTRICT"), 601 East County Lane, Lehigh Acres, Florida 33936, to CenturyLink/Lumen, 2828 Cargo St., Fort Myers, FL 33916, hereinafter referred to as the "Permittee") as a non-exclusive permit for a proposed directional bore under Angelfish Canal (46-28-2), along the east side of Gunnery Road N., between 9th St. W. & 7th St. W., 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. 26-53

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 #26-53 is approved according to the revised plans submitted April 27th, 2026.

2). The proposed bore must maintain a minimum clearance of 10 feet below the bottom elevation of the canal for the entire 103.5' width of 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 or bridge in the future.

8). Provide LAMSID with a copy of your survey record drawings, 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 Gunnery Road N.

PART I

DATE SUBMITTED: 03 - 31 - 26

PERMIT #: 26 - 53

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: ARIS NOVA **PHONE #:** (941)763-6216

PROJECT NAME: FLA52DPL 2023 GPON DENSIFICATION FL_FTMYFLXB_1A-F1 bkbone

TOTAL ACREAGE: 0.0037

Property Address (STRAP associated with this address will be used as the primary STRAP for this project):					
Mailing Address:	**704 Gunnery Rd N**				
City:	**Lehigh Acres**	**State:**	**FL.**	**Zip:**	**33971**

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

28		44		26		L3		07064					0030						

Brief description of proposed project:

Application for: This project will provide a crossing of the "Angelfish" Canal 46-28-2 along Gunnery Rd N via a 4" directional bore.

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

Estimated # of Phases:	1
***Permit Fee:**	$ 2,302.50 **(to be verified by staff)**

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

RECEIVED
APR 13 2026
LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

PART II

OWNER/APPLICANT/ DEVELOPER INFORMATION

A.

Name of Applicant	LUMEN						
Mailing Address:	Street:	2820 CARGO ST					
City:	FORT MYERS	State:	FL			Zip:	33916
Phone No.	Area Code:	941	Number:	941-763-6216		Ext.	
Fax No.	Area Code:		Number:	-			
E-mail Address:	ARIS.NOVA1@LUMEN.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):							
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

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

Aris Nova

PRINTED OR TYPED NAME OF APPLICANT

STATE OF FLORIDA
COUNTY OF LEE

The foregoing instrument was acknowledged before me this 18th day of March (m), 2026(y), by Aris Nova who is personally know to me or has produced FL-DL as identification.

Notary Public State of Florida
Jasmine Mendez
My Commission HH 397067
Expires 5/10/2027

SIGNATURE OF NOTARY PUBLIC

Jasmine Mendez

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:	ARIS NOVA						
Mailing Address:	2820 CARGO ST						
City:	FORT MYERS	State:		FL		Zip:	33916
Business No.	Area Code:	(941)	Number:	763-6216		Ext.	
Other Contact:	N/A						

OTHER REPRESENTATIVE/PROFESSIONAL

Name:	TIM MANN						
Mailing Address:	10970 S CLEVELAND AVE SUITE 605						
City:	FORT MYERS	State:		FL		Zip:	33907
Business No.	Area Code:	239	Number:	275-8575		Ext.	
Other Contact:	N/A						

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.

Forged Fiber 37 Services, LLC
Accounts Payable
208 S Akard St
Dallas, TX 75202

2100114 01 SD T 6060 FIB01 -P00114 C07

Lehigh Acres MSID
601A East County Lane
Lehigh Acres FL 33936

Check Date:	03/28/2026
Check No.:	0000035215
Check Amount:	$2,250.00
Vendor No.:	34819

INVOICE DATE	INVOICE NUMBER	DESCRIPTION	GROSS AMOUNT	DISCOUNT AMOUNT	NET AMOUNT
03/27/2026	N/A		$2,250.00	$0.00	$2,250.00
		TOTAL			

Permit # 26-53

RECEIVED
APR 06 2026
LEHIGH ACRES
MUNICIPAL SERVICES
IMPROVEMENT DISTRICT

SD2100114-0001_of_0001 6060-0000114 (P235)

DETACH AND RETAIN THIS STUB FOR YOUR RECORDS

CHECK # 0000035215 ATTACHED BELOW

Forged Fiber 37 Services, LLC
Accounts Payable
208 S Akard St
Dallas, TX 75202

62-20
311

CHECK NO.: 0000035215

CHECK DATE: 03/28/2026

Two Thousand Two Hundred Fifty and 00/100 Dollars

PAY TO THE ORDER OF
Lehigh Acres MSID
601A East County Lane
Lehigh Acres FL 33936

$$$$$$$$$$2,250.00
Void If After 180 Days

William Dany
AUTHORIZED SIGNATURE

CITIBANK, N.A.
ONE PENN'S WAY, NEW CASTLE, DE 19720

⑈0000035215⑈ ⑆031100209⑆ 5434438 6⑈

Forged Fiber 37 Services, LLC
Accounts Payable
208 S Akard St
Dallas, TX 75202

2100257 01 SD T 6068 FIB01 -P00257 C07

Lehigh Acres MSID
601A East County Lane
Lehigh Acres FL 33936

Check Date:	04/08/2026
Check No.:	0000049106
Check Amount:	$52.50
Vendor No.:	34819

INVOICE DATE	INVOICE NUMBER	DESCRIPTION	GROSS AMOUNT	DISCOUNT AMOUNT	NET AMOUNT
04/08/2026	N/A		$52.50	$0.00	$52.50
		TOTAL			

Permit # 26-53

COPY

RECEIVED
APR 20 2026
LEHIGH ACRES
MUNICIPAL SERVICES
IMPROVEMENT DISTRICT

SD2100257-0001_of_0001 6068-0000257 (F23S)

DETACH AND RETAIN THIS STUB FOR YOUR RECORDS

CHECK # 0000049106 ATTACHED BELOW

Forged Fiber 37 Services, LLC
Accounts Payable
208 S Akard St
Dallas, TX 75202

62-20
311

CHECK NO.: 0000049106

CHECK DATE: 04/08/2026

Fifty-two and 50/100 Dollars

PAY TO THE ORDER OF

Lehigh Acres MSID
601A East County Lane
Lehigh Acres FL 33936

$$$$$$$$$$$$$52.50

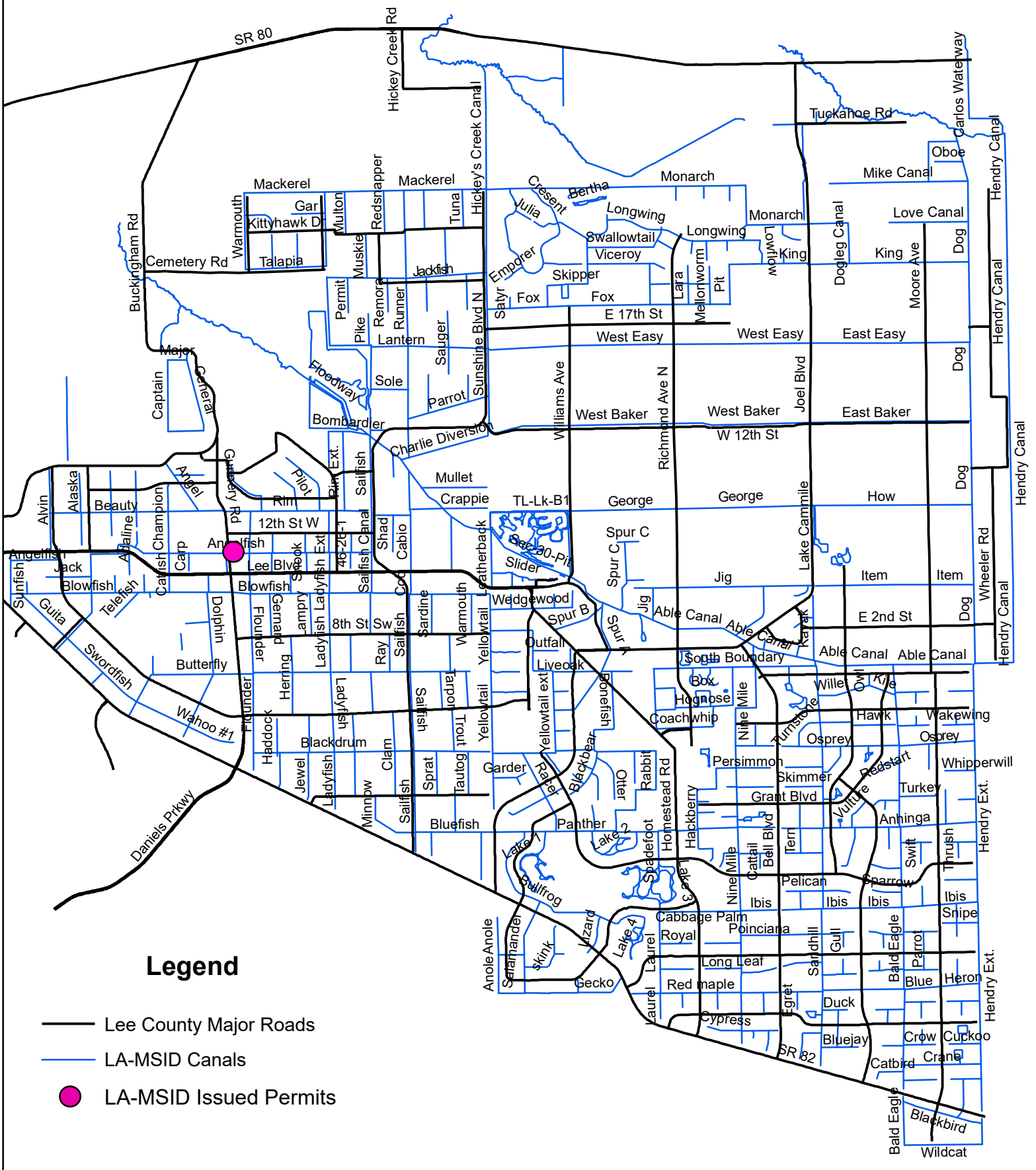
Void If After 180 Days

AUTHORIZED SIGNATURE

CITIBANK, N.A.
ONE PENN'S WAY, NEW CASTLE, DE 19720

⑈0000049106⑈ ⑆031100209⑆ 5434438 6⑈

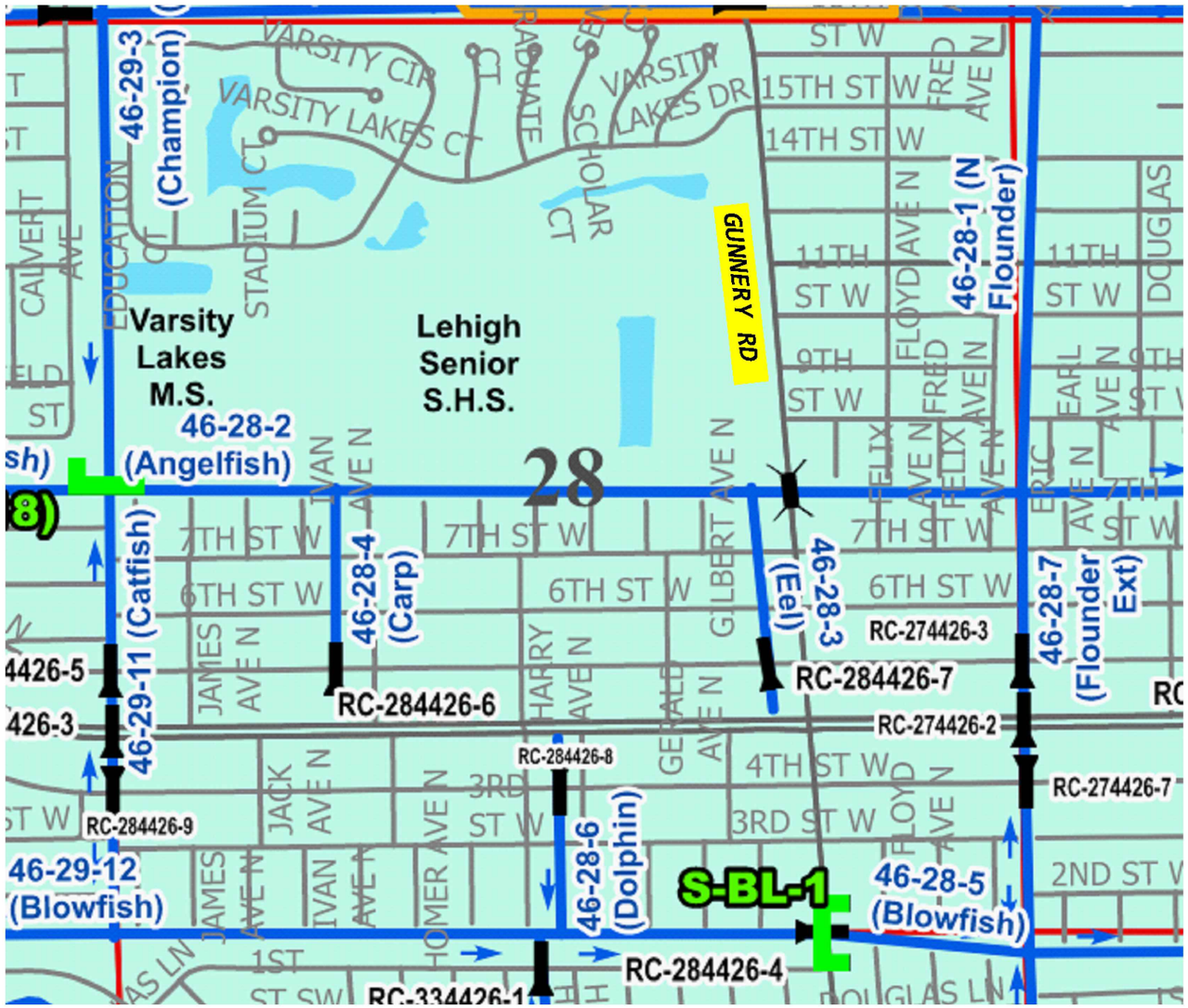
Permit # 2026-53



Legend

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

MSID LOCATION MAP



CenturyLink LUMEN

REVISIONS	
DATE	DESCRIPTION

N

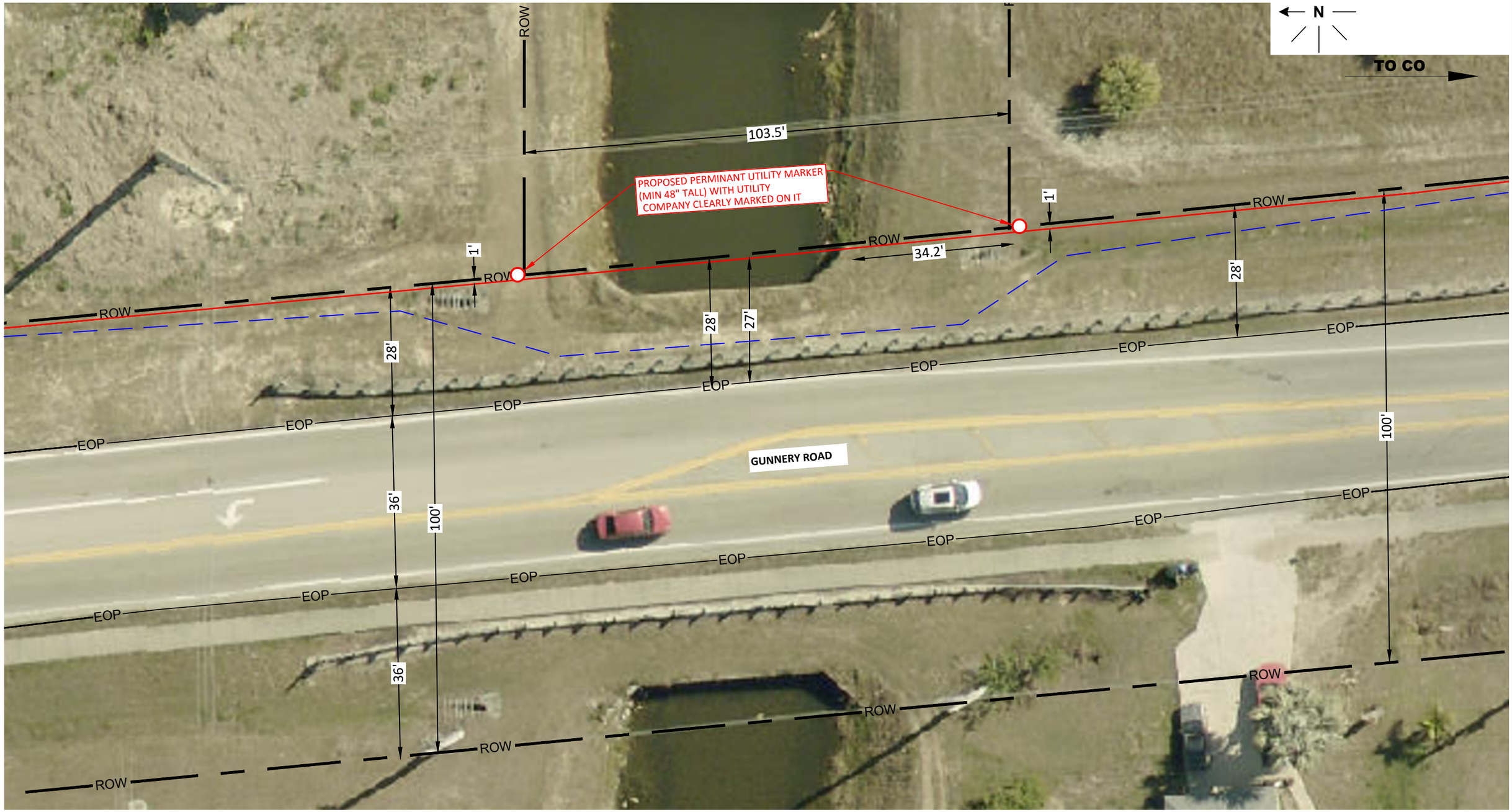
ECD:

ISSUE: 1

WC CLLI: B99QS274

EXCEPT AS MAY BE OTHERWISE PROVIDED BY CONTRACT. THESE DRAWINGS AND SPECIFICATIONS SHALL REMAIN THE PROPERTY OF LUMEN BEING ISSUED IN STRICT CONFIDENCE AND SHALL NOT BE REPRODUCED, COPIED, OR USED FOR ANY PURPOSE WITHOUT SPECIFIC WRITTEN PERMISSION.

FW PROJECT	WFMT PROJECT:	COMMUNITY NAME	ENGINEERING CONTACT	CONTRACT ENGINEER	CONSTRUCTION COORDINATOR	SPLICING COORDINATOR	SECTION:	DESC: **2023 GPON FIB F1 DENSIFICATION**		
P.134628	**N/A**	NAME: **LEHIGH ACRES** CITY: **LEHIGH ACRES**	NAME: **ARIS NOVA** PHONE:	NAME: **DAVID DUNN** COMPANY: **239-877-5503**	NAME: **JACOB CHENEY** PHONE: **239-470-0938**	NAME: PHONE:	TOWNSHIP: RANGE:	EXCH KEY: **A28D** SCALE: **NTS**	REM KEY: DATE: **04/20/2026**	SHEET: **1** OF **4**



LEHIGH ACRES
MSID PERMIT

CenturyLink LUMEN

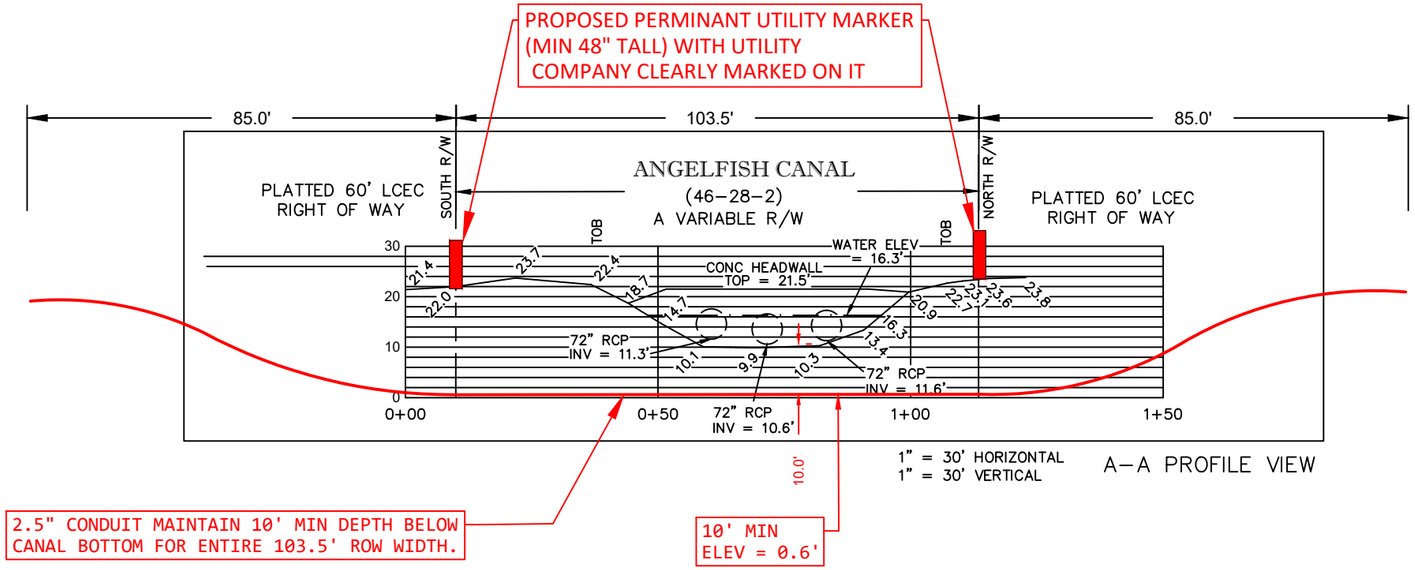
REVISIONS	
DATE	DESCRIPTION

ECD:

ISSUE: 1
WC CLLI: B99QS274

EXCEPT AS MAY BE OTHERWISE PROVIDED BY CONTRACT. THESE DRAWINGS AND SPECIFICATIONS SHALL REMAIN THE PROPERTY OF LUMEN BEING ISSUED IN STRICT CONFIDENCE AND SHALL NOT BE REPRODUCED, COPIED, OR USED FOR ANY PURPOSE WITHOUT SPECIFIC WRITTEN PERMISSION.

FW PROJECT	WFMT PROJECT:	COMMUNITY NAME	ENGINEERING CONTACT	CONTRACT ENGINEER	CONSTRUCTION COORDINATOR	SPLICING COORDINATOR	SECTION:	DESC: **2023 GPON FIB F1 DENSIFICATION**		
P.134628	**N/A**	NAME: **LEHIGH ACRES** CITY: **LEHIGH ACRES**	NAME: **ARIS NOVA** PHONE:	NAME: **DAVID DUNN** COMPANY: **239-877-5503**	NAME: **JACOB CHENEY** PHONE: **239-470-0938**	NAME: PHONE:	TOWNSHIP: RANGE:	EXCH KEY: **A28D** SCALE: **1" = 20'**	REM KEY: DATE: **04/20/2026**	SHEET: **2** OF **4**



NOTE: ALL CANAL RIGHT OF WAY THAT IS DISTURBED MUST BE RESTORED WITH SOD AND MAINTAINED UNTIL WELL ESTABLISHED. NO SEEDING WILL BE ALLOWED

NOTE: ALL CANAL RIGHT OF WAY THAT IS DISTURBED MUST BE RESTORED WITH SOD AND MAINTAINED UNTIL WELL ESTABLISHED. NO SEEDING WILL BE ALLOWED

NOTE: BORE MUST BE 10' BELOW LOWEST PIPE INVERT OR THE CANAL BOTTOM WHICHEVER IS LOWEST, FOR THE ENTIRE 103.5' WIDE CANAL ROW.

LEHIGH ACRES MSID PERMIT

CenturyLink LUMEN

REVISIONS	
DATE	DESCRIPTION
04/20/26	CORRECTED SCALING

ECD:

ISSUE: 1

WC CLLI: B99QS274

EXCEPT AS MAY BE OTHERWISE PROVIDED BY CONTRACT. THESE DRAWINGS AND SPECIFICATIONS SHALL REMAIN THE PROPERTY OF LUMEN BEING ISSUED IN STRICT CONFIDENCE AND SHALL NOT BE REPRODUCED, COPIED, OR USED FOR ANY PURPOSE WITHOUT SPECIFIC WRITTEN PERMISSION.

FW PROJECT	WFMT PROJECT:	COMMUNITY NAME	ENGINEERING CONTACT	CONTRACT ENGINEER	CONSTRUCTION COORDINATOR	SPLICING COORDINATOR
P.134628	**N/A**	NAME: **LEHIGH ACRES** CITY: **LEHIGH ACRES**	NAME: **ARIS NOVA** PHONE:	NAME: **DAVID DUNN** COMPANY: **239-877-5503**	NAME: **JACOB CHENEY** PHONE: **239-470-0938**	NAME: PHONE:

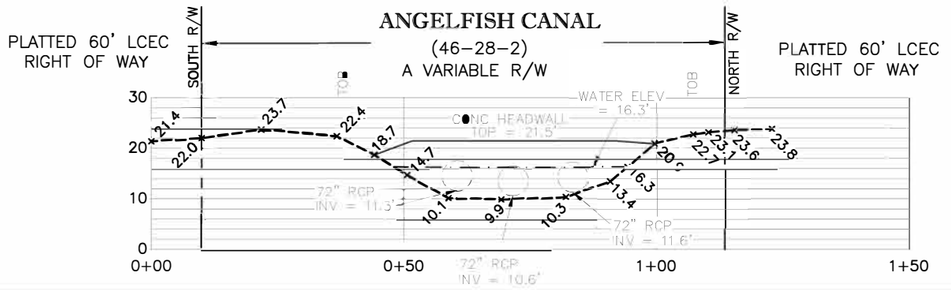
SECTION:
TOWNSHIP:
RANGE:

DESC: **2023 GPON FIB F1 DENSIFICATION**

EXCH KEY: **A28D** REM KEY:

SCALE: **1" = 30'** DATE: **04/20/2026**

SHEET: **3** OF **4**

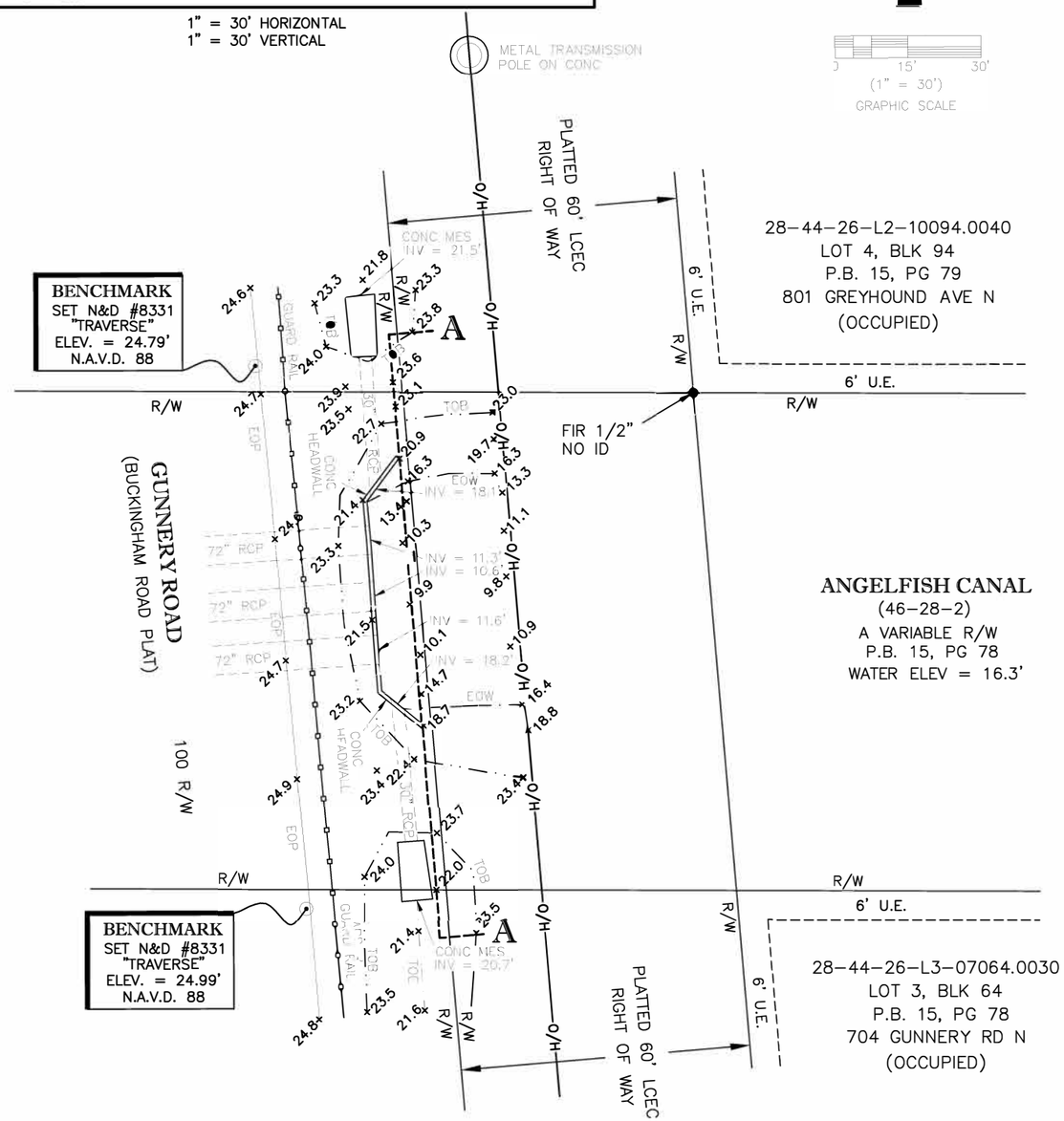


A-A PROFILE VIEW

1" = 30' HORIZONTAL
1" = 30' VERTICAL



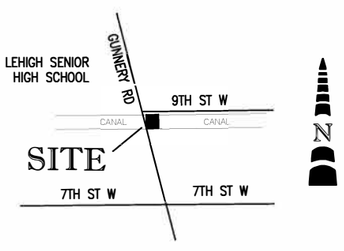
0 15' 30'
(1" = 30')
GRAPHIC SCALE



LEGEND:

FIR = FOUND IRON ROD
N&D = NAIL AND DISC
ELEV = ELEVATION
P.B. = PLAT BOOK
PG = PAGE
EOW = EDGE OF WATER
CONC = CONCRETE
MES = MITRED END SECTION
LCEC = LEE COUNTY ELECTRIC CO-OP
RCP = REINFORCED CONC 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
+28.1' = SPOT ELEVATION
O/H = OVERHEAD UTILITY LINES
UE = UTILITY EASEMENT

VICINITY SKETCH
(NOT TO SCALE)



ASBUILT SURVEY

OF A PARCEL OF LAND LYING IN SECTION 28, TOWNSHIP 44 SOUTH, RANGE 26 EAST, LEHIGH ACRES, LEE COUNTY, FLORIDA

NOTES:

SURVEY BASED ON THE PLAT OF LEHIGH ACRES, NORTH 1/2 OF SECTION 28, TWP 44S, RNG 26E, LEHIGH ACRES AS RECORDED IN PLAT BOOK 15, PAGE 79 AND PLAT OF LEHIGH ACRES, SOUTH 1/2, SECTION 28 TWP 44S, RNG 26E AS RECORDED IN PLAT BOOK 15, PAGE 78 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 GUNNERY ROAD (BUCKINGHAM COUNTY ROAD PER PLAT) BETWEEN NINTH ST W AND SEVENTH ST W, 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: 3-27-2026.

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.

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 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.

GUNNERY RD, 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

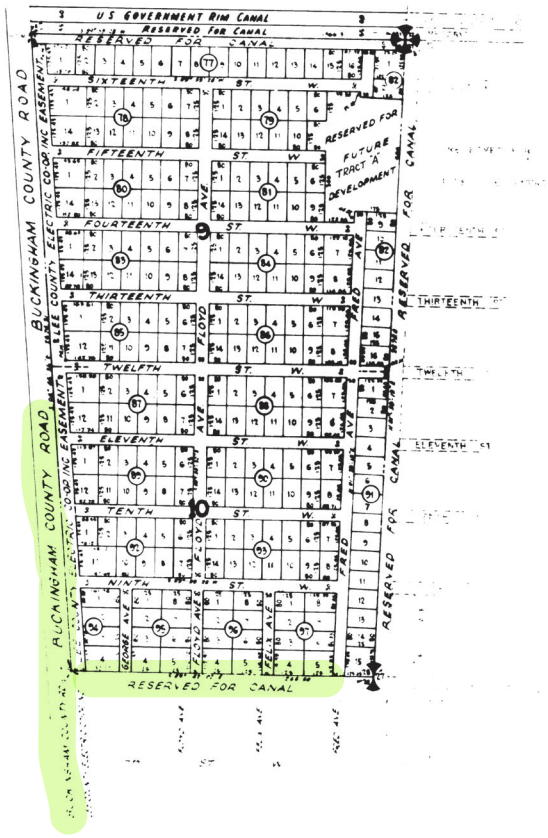
FILE NAME:	FIELD BOOK/PAGE:	PROJECT NO.:	SHEET:
15782SR.DWG	SEE FILE	15782	1 OF 1

SURVEY DATE:	DRAWN BY:	SCALE:	CHECKED BY:	28-44-26
3/28/26	BUD	1"= 30'	NJM	28-44-26

Petition to Vacate
Petition No:2002-00005
Description:12' public utility easement; See CCMB
Date of Approval:4/09/02
Resolution No:02-04-13
CCMB:2002R Page:225
Recorded on:4/22/02 OR Book:3628
Page:1527-1530

Petition to Vacate
Petition No:87-01
Description:For vacation block 95
btwn lots 7&8
Date of Approval:02/18/88
CCMB:179 Page:122

PLAT BOOK 15, PAGE 79



A PLAT OF
THAT PART OF SECTION 21
TWP. 44 S. - RGE. 26 E. LYING
SOUTHERLY OF U.S. GOV'T.
RIM CANAL & EASTERLY OF
BUCKINGHAM COUNTY ROAD
AND THAT PART OF THE
NORTH 1/2 OF SECTION 28
TWP. 44 S. - RGE. 26 E. LYING
EASTERLY OF BUCKINGHAM
COUNTY ROAD.

A SUBDIVISION OF

LEHIGH ACRES

LEE COUNTY, FLORIDA

LEE COUNTY LAND & TITLE CO. DEVELOPERS

Scale: 0 100 200 300 400

April 1959

Unit Boundary

SURVEYORS CERTIFICATE

I, the undersigned hereby certify that the plat hereon is a correct representation of the land platted and that permanent reference monuments have been placed as shown.

Petition to Vacate
Petition No:98-02-199.04R
Date of Approval:04/14/98
Description:12ft wide public utility easement
See CCMB
Resolution No:98-04-12
CCMB:1998R Page:209
Recorded on:04/23/98 OR Book:2950 Page:3152-3155

Petition to Vacate
Petition No:97-09-245.04R
Description:A 12ft wide utility easement
See CCMB
Date of Approval:10/28/97
Resolution No:97-10-32
CCMB:1997R Page:599
Recorded on:11/14/97 OR Book:2888 Page:1500-1503

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 #26-53

Recommended Action

Engineering Review:

By: _____ 4/9/2026 **Approved _X_ Denied __**

District Field Review:

By: _____ Approved ___ Denied ___

District Manager: _____ Date: _____

Comments:

The referenced permit application for a boring under Angelfish Canal at Gunnery Road N, in Lehigh Acres, submitted by Lumen, 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 #26-57, Comcast Bore under Cabio Canal (46-25-2) at 12th St. W.

Meeting Date: May 18, 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 #26-57, Comcast Bore under Cabio Canal (46-25-2) at 12th St. W. with any listed stipulations.

What the action accomplishes: Allows Comcast to bore under Cabio Canal (46-25-2) at 12th St. W., while staying 10' under LA-MSID's Canal.

Fiscal Impact: Permit Fees: $1,920.00

Staff comments: Approved according to revised plans submitted May 4, 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 18th day of May, 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 proposed bore under Cabio Canal (46-25-2), at 12th St. W., between Olive Ave. N. & Joan Ave. N., 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. 26-57

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 #26-57 is approved according to the revised plans submitted May 4th, 2026.

2). The proposed bore must maintain a minimum clearance of 10’ below the bottom elevation of the canal or the lowest pipe invert, whichever is lower, for the entire 78’ width of 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 underground vaults, pull boxes, cable cabinets, 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 survey record drawings, 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 12th St. W.

PART I

DATE SUBMITTED: 04 - 08 - 26

PERMIT #: 26 - 57

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: JB0002000102 - FLLAH01V0C-FLLAD01X0ABCD ADD FLLAD01Y0AC

TOTAL ACREAGE: 0.05

Property Address (STRAP associated with this address will be used as the primary STRAP for this project): 3100 12TH ST W					
Mailing Address:	**NA**				
City:	**LEHIGH ACRES**	**State:**	**FL**	**Zip:**	**33971**

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

26		44		26		L2		08050		0070									

Brief description of proposed project:

Application for: Comcast proposes to bore 78' across Cabio Canal
Starting west on 12th St Wgoing east crossing Cabio Canal to east on 12th St

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

Estimated # of Phases:	1
***Permit Fee:**	$ $1,920.00 **(to be verified by staff)**

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

RECEIVED
APR 08 2026
LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

PART II

OWNER/APPLICANT/ DEVELOPER INFORMATION

A.

Name of Applicant	Comcast Cable Communications - Ted Wheless						
Mailing Address:	Street:	5205 Fruitville Rd					
City:	Sarasota	State:	FL		Zip:	34232	
Phone No.	Area Code:	941	Number:	400-3386	Ext.		
Fax No.	Area Code:		Number:	-			
E-mail Address:	ted_wheless@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.

Joanie 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 31 day of March (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 - 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.

TrueNet Communications Corp

060943

LEHIGH ACRES MUNICIPAL SERVICE - IMPROVEMENT DISTRICT

DATE	INVOICE NO.	DESCRIPTION	INVOICE AMOUNT	DEDUCTION	BALANCE
3/11/2026	03112026	JB0002000102 - 160 S HOMESTEAD RD.		1,920.00	1,920.00

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

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

060943

Pay: **********one thousand nine hundred twenty and 00/100

DATE	CHECK NO.	AMOUNT
March 12, 2026	60943	$*****1,920.00

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

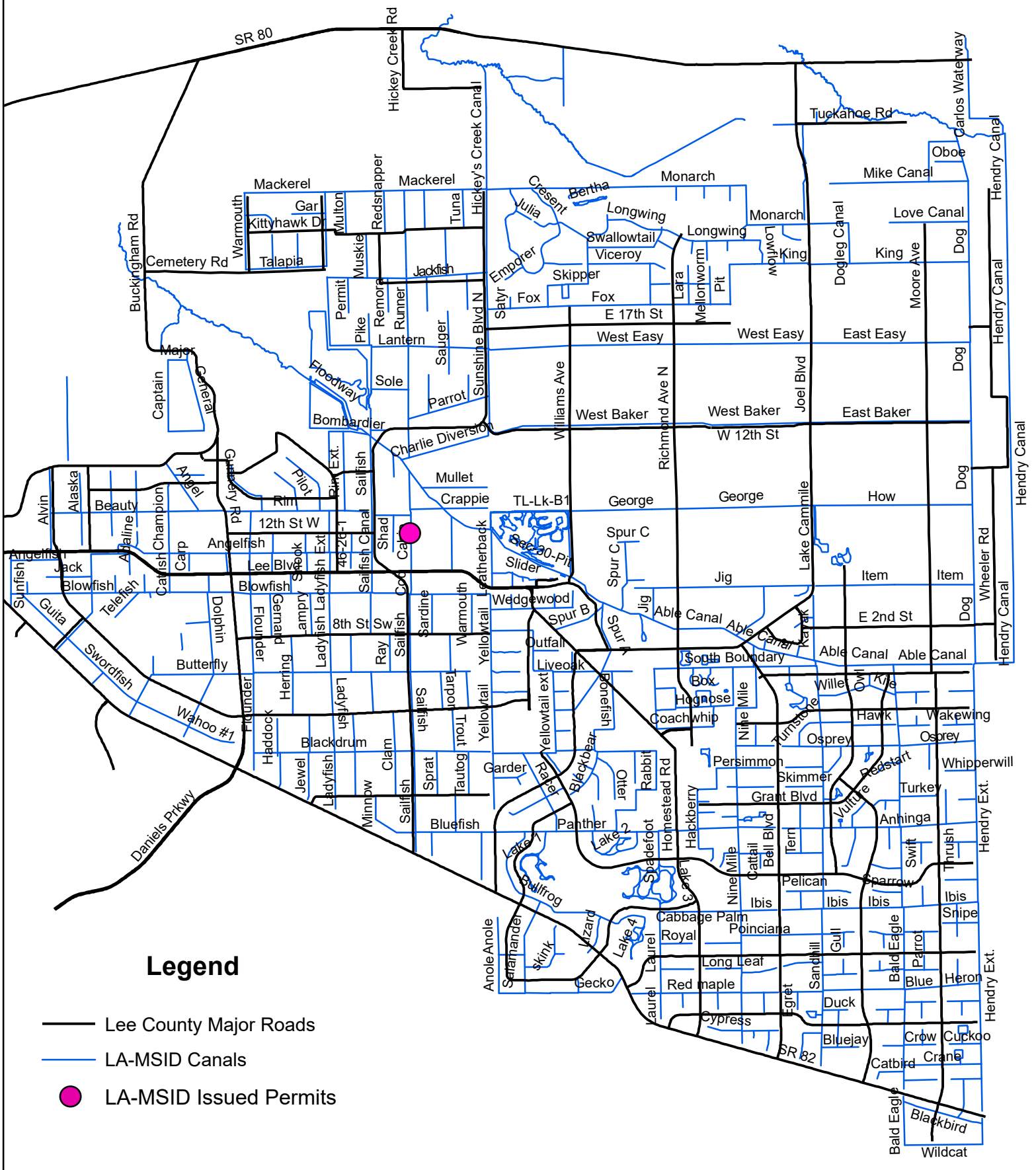
HEAT SENSITIVE DO NOT FADES WITH

⑈060943⑈ ⑆121000358⑆ 001233592930⑈

Permit #26-57

COPY

Permit # 2026-57



Legend

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

3100 12TH ST W
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.

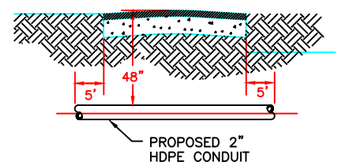


SITE MAP
SCALE: NONE

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:	270'
PROP. OH CATV:	0'
TOTAL PROP. CATV:	270' (0.05MI.)

MOT NOTES

TRAFFIC CONTROL SHALL COMPLY WITH FEDERAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND F.D.O.T. DESIGN STANDARD #NO. 600.

JB0002000102_3100 12TH ST W_LA-MSID

COMCAST
PROPRIETARY AND CONFIDENTIAL
12600 WESTLINKS DR., SUITE 4
FORT MYERS, FL 33913

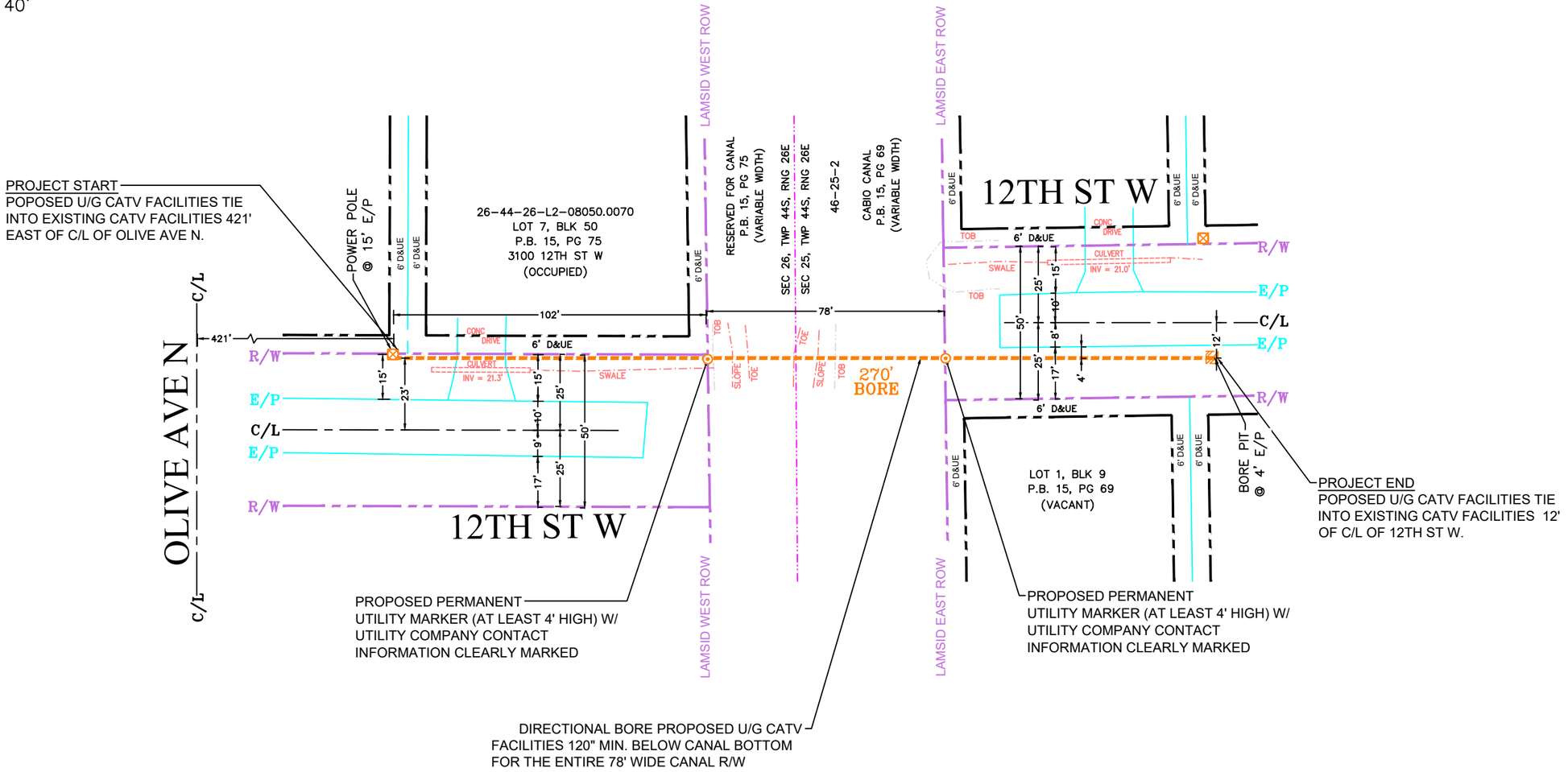
LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT
RIGHT-OF-WAY PERMIT

SUBJECT: PROPOSED U/G CATV FACILITIES UNDER CABIO CANAL.	**COUNTY:** LEE
	STATE: FLORIDA
	SHEET NO.: 1 OF 4
	DATE: 03/05/2026
CIFA: N/A	**MAP:** 26.624229, -81.678578
JB#: JB0002000102	**DRAFTED BY:** A. PERDOMO

3100 12TH ST W
LA–MSID PERMIT
PLAN VIEW

0 20' 40'

BINDING SPACE



CONSTRUCTION NOTE:
ALL BORE WORK WILL BE HORIZONTAL DIRECTIONAL DRILL, NOT UNGUIDED BORING.

JB0002000102_3100 12TH ST W_LA–MSID

COMCAST
PROPRIETARY AND CONFIDENTIAL
12600 WESTLINKS DR., SUITE 4
FORT MYERS, FL 33913

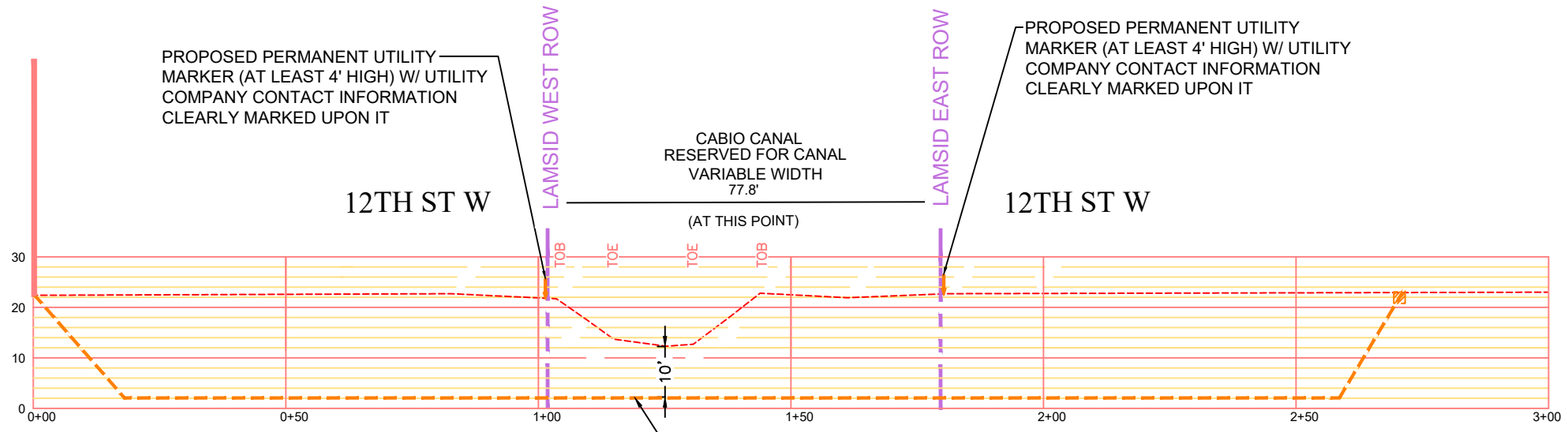
LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

RIGHT–OF–WAY PERMIT

SUBJECT: PROPOSED U/G CATV FACILITIES UNDER CABIO CANAL.	**COUNTY:** LEE
	STATE: FLORIDA
	SHEET NO.: 2 OF 4
	DATE: 03/05/2026
CIFA: N/A	**MAP:** 26.624229, –81.678578
JB#: JB0002000102	**DRAFTED BY:** A. PERDOMO

3100 12TH ST W
LA-MSID PERMIT
CROSS SECTION

0 15' 30'



CONSTRUCTION NOTE:
BORE MUST BE 10' BELOW THE LOWEST PIPE INVERT OR THE CANAL BOTTOM, WHICHEVER IS LOWER, FOR THE ENTIRE 90' 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

JB0002000102_3100 12TH ST W_LA-MSID

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 UNDER CABIO CANAL.	**COUNTY:** LEE
	STATE: FLORIDA
	SHEET NO.: 3 OF 4
	DATE: 03/05/2026
CIFA: N/A	**MAP:** 26.624229, -81.678578
JB#: JB0002000102	**DRAFTED BY:** A. PERDOMO

BINDING SPACE

3100 12TH ST W
LA-MSID PERMIT
SITE PHOTOS



ROUTE LOOKING EAST

JB0002000102_3100 12TH ST W_LA-MSID

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 UNDER CABIO CANAL.	**COUNTY:** LEE
	STATE: FLORIDA
	SHEET NO.: 4 OF 4
	DATE: 03/05/2026
CIFA: N/A	**MAP:** 26.624229, -81.678578
JB#: JB0002000102	**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.

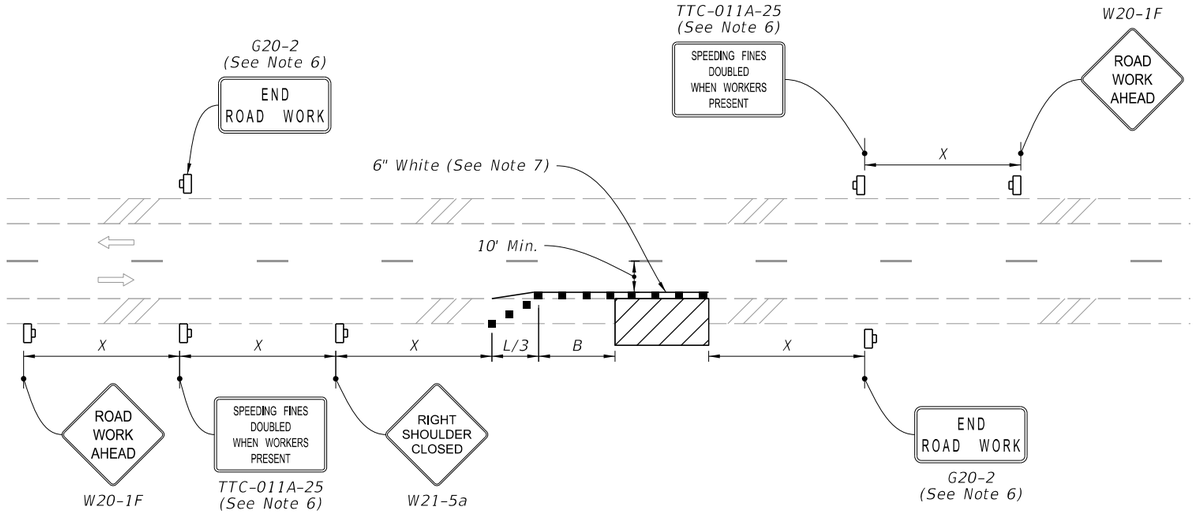
7. Temporary pavement markings may be omitted when the work operation is in place for 3 days or less.

8. Omit "Shoulder Closed" signs (W21-5a) along with associated work zone sign spacing distances for work on the median.

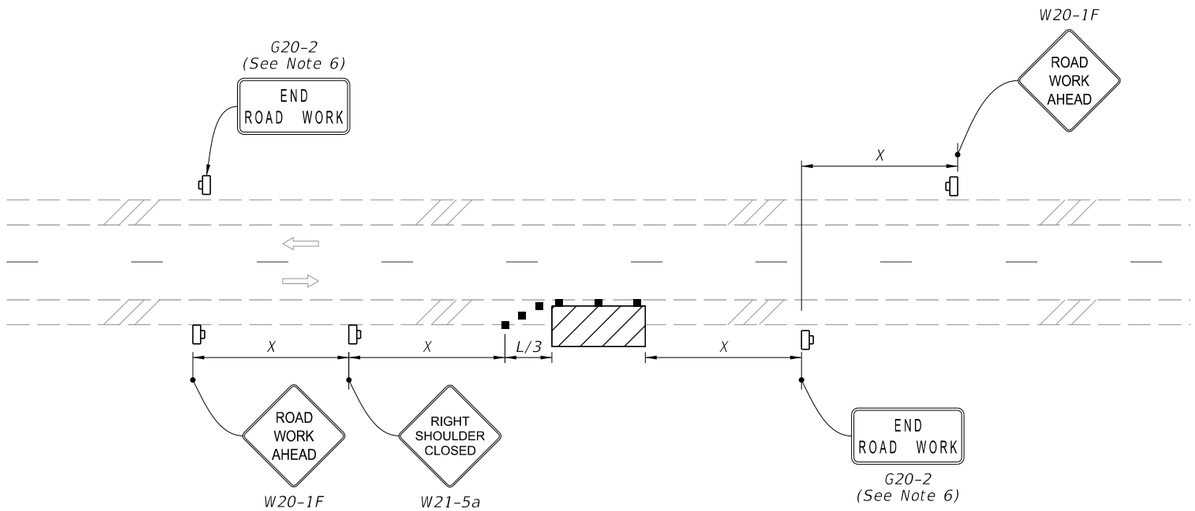
9. When there is no paved shoulder, the "Worker" sign (W21-1) may be used instead of the "Shoulder Closed" sign (W21-5a).

SYMBOLS:

- Work Area
- ■ Channelizing Device (See Index 102-600)
- Work Zone Sign
- Lane Identification and Direction of Traffic



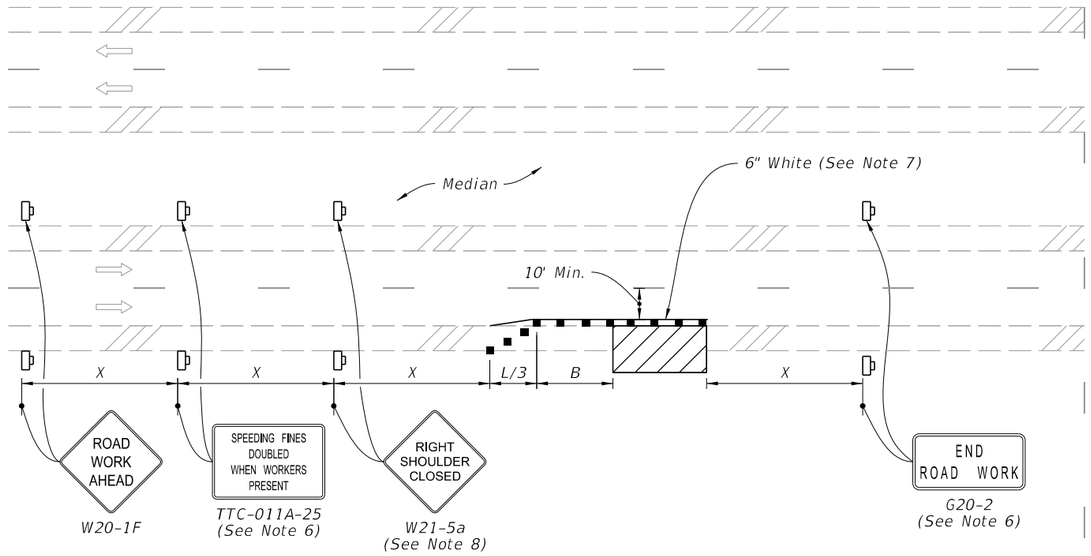
TWO-LANE ROADWAY
SHOULDER WORK LESS THAN 2' FROM THE TRAVELED WAY WITH WORK ZONE SPEED OF 45 MPH OR LESS



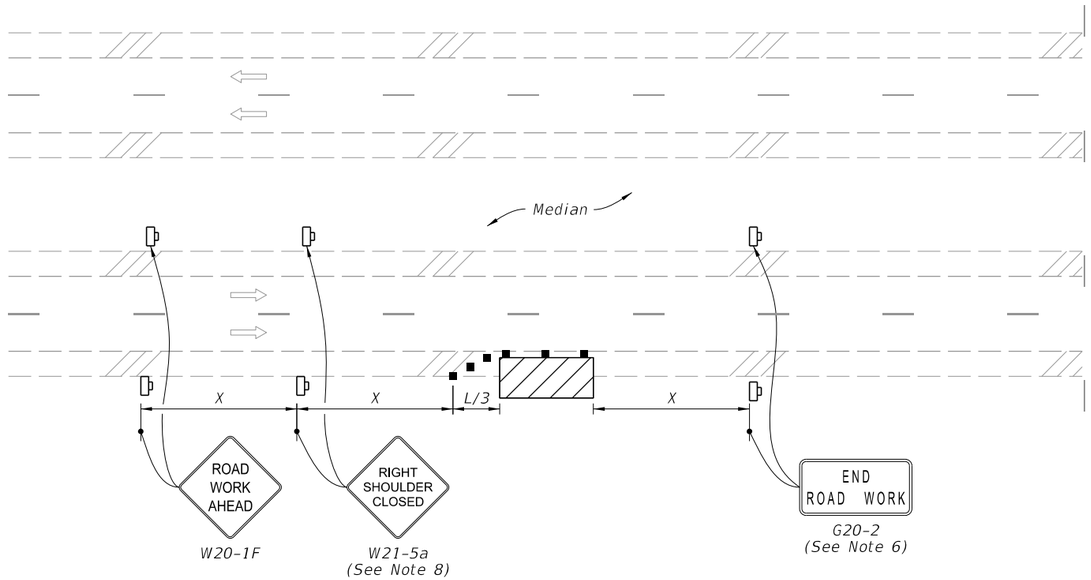
TWO-LANE ROADWAY
SHOULDER WORK BETWEEN 2' AND 15' FROM THE TRAVELED WAY

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



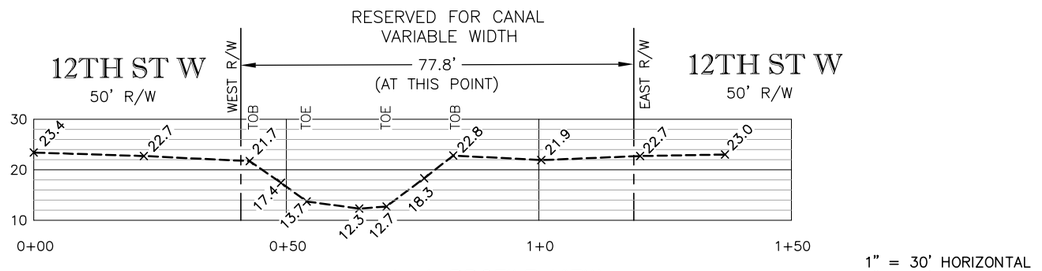
MULTILANE ROADWAY
SHOULDER WORK BETWEEN 2' AND 15' FROM THE TRAVELED WAY

SYMBOLS:

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Lane Identification and Direction of Traffic

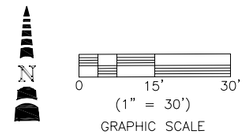
10/14/2025 9:34:21 AM

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



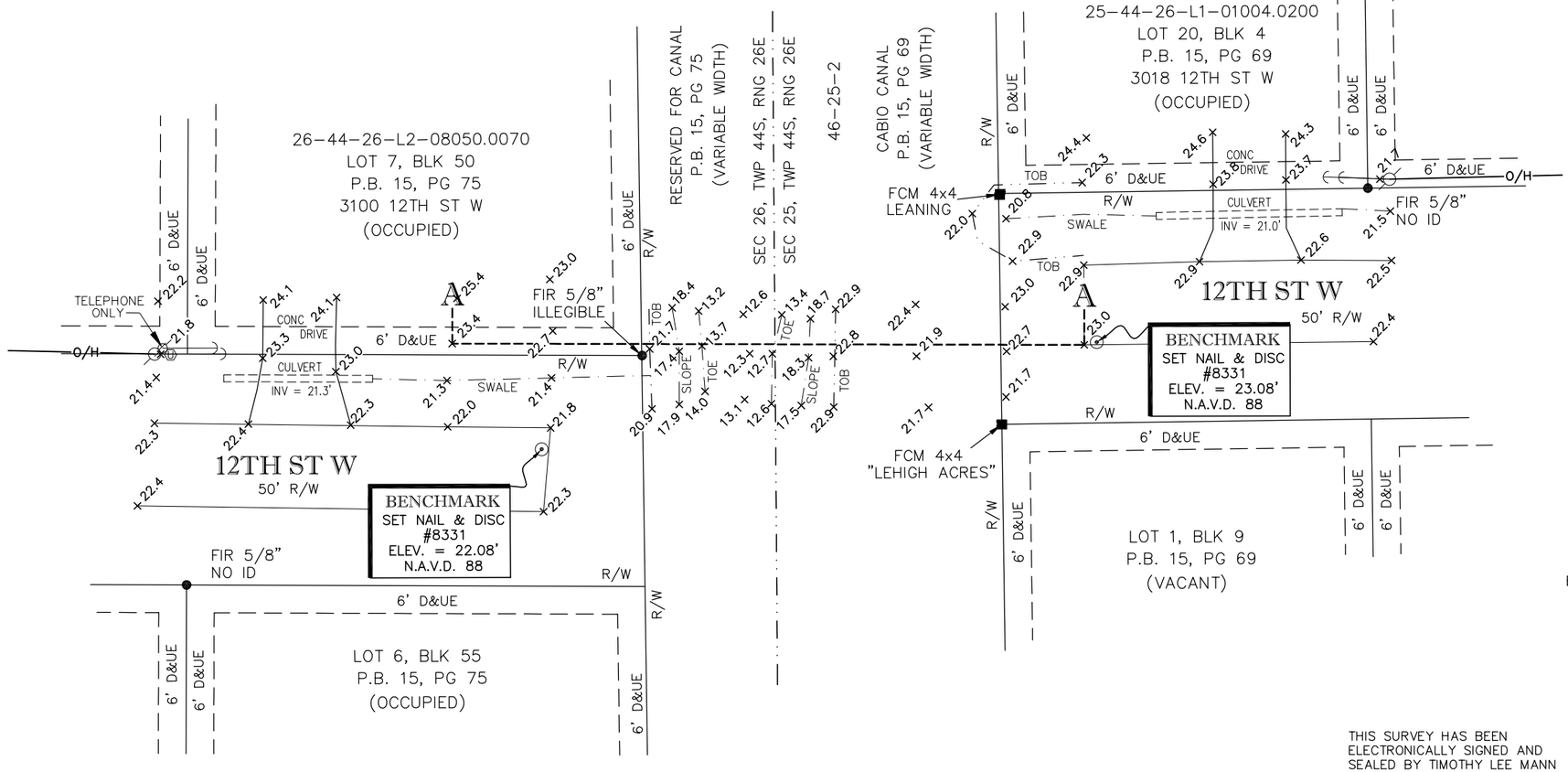
A–A PROFILE VIEW

1" = 30' HORIZONTAL
1" = 30' VERTICAL



ASBUILT SURVEY

OF A PARCEL OF LAND LYING IN SECTIONS 25 & 26, TOWNSHIP 44 SOUTH, RANGE 26 EAST, LEHIGH ACRES, LEE COUNTY, FLORIDA



NOTES:

SURVEY BASED ON THE PLAT OF LEHIGH ACRES UNIT 1 REPLAT AS RECORDED IN PLAT BOOK 15, PAGE 69 AND PLAT OF LEHIGH ACRES UNIT 8 AS RECORDED IN PLAT BOOK 15, PAGE 75, 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 NORTH–SOUTH CANAL CROSSING CROSSING 12TH ST WEST BETWEEN OLIVE AVE N AND JOAN AVE N, 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: 2–17–26

TIMOTHY LEE MANN
LICENSE NUMBER
LS 5838
STATE OF FLORIDA
PROFESSIONAL SURVEYOR & MAPPER

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.

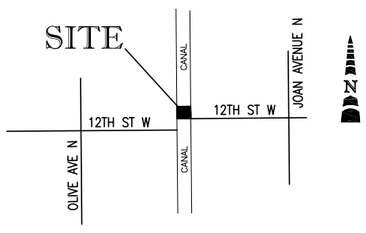
THIS SURVEY HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY TIMOTHY LEE MANN USING A DIGITAL SIGNATURE AND DATE. PRINT COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

LEGEND:

FCM = FOUND CONC MONUMENT
FIR = FOUND IRON ROD
N&D = NAIL AND DISC
ELEV = ELEVATION
TRAV = TRAVERSE
CONC = CONCRETE
EOP = EDGE OF PAVEMENT
R/W = RIGHT OF WAY
TOB = TOP OF BANK
TOE = TOE OF SLOPE
INV = INVERT
SEC = SECTION
TWP = TOWNSHIP
RNG = RANGE

P.B. = PLAT BOOK
PG = PAGE
D&UE = DRAINAGE & UTILITY EASEMENT
N.A.V.D. 88 = NORTH AMERICAN VERTICAL DATUM 1988
+28.7' = SPOT ELEVATION
= TELEPHONE SERVICE BOX
= GUY WIRE ANCHOR
= WOOD UTILITY POLE
—O/H— = OVERHEAD UTILITY LINES

VICINITY SKETCH
(NOT TO SCALE)



12TH ST WEST, LEHIGH ACRES

TITLE: ASBUILT SURVEY

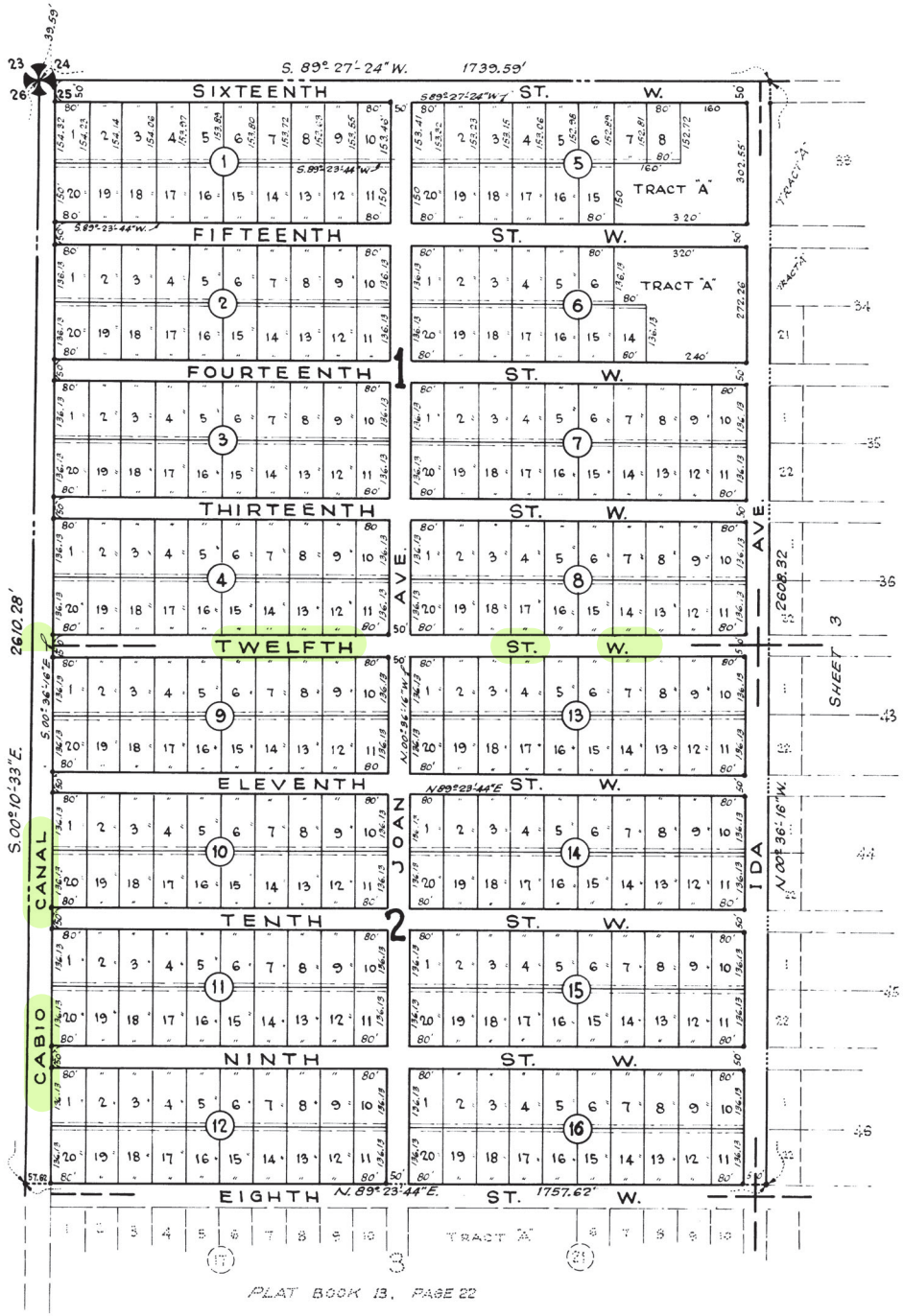
KEYSTONE
A CLS COMPANY
www.keystoneconsultants.net

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:
15766SR.DWG	SEE FILE	15766	1 OF 1

SURVEY DATE:	DRAWN BY:	SCALE:	CHECKED BY:	FILE NO. (S–T–R)
2/26/26	BUD	1"= 30'	TLM	25–44–26



Scale: 1 in. = 200 ft.

PLAT OF UNITS 1 & 2

SECTION 25, TOWNSHIP 44S, RANGE 26E

A SUBDIVISION OF

LEHIGH ACRES

LEE COUNTY, FLORIDA

NOTE:

All lots subject to a 6 foot Drainage and Utility Easement both sides, front and back.

Interior P.R.M.'s are 4" x 4" x 24" concrete

• Denotes P.R.M.'s.

All Canals to be dedicated to East County Water Control District.

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.

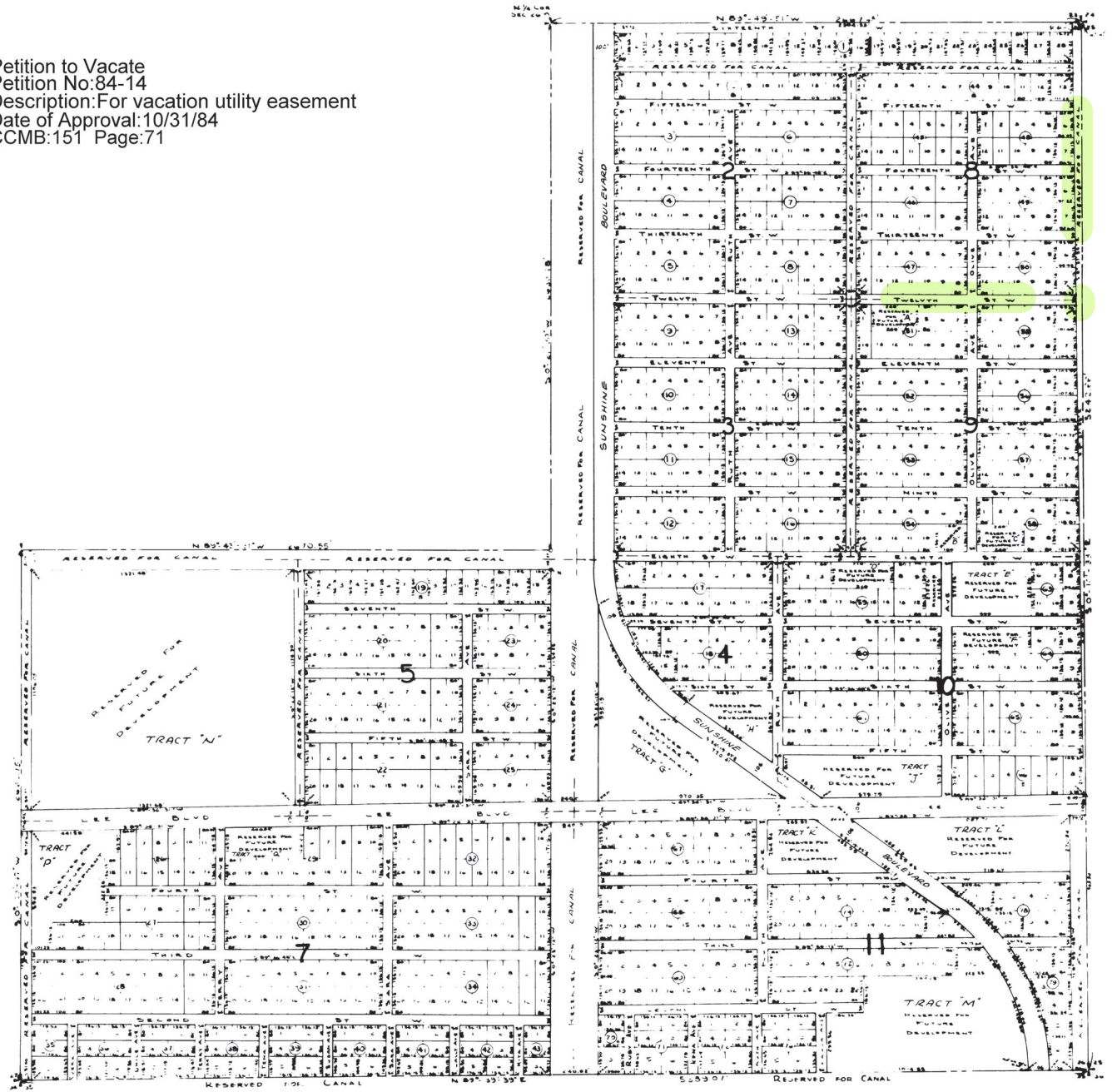
TOWNSHIP 44 SOUTH, RANGE 26 EAST

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.

Petition to Vacate
Petition No:84-14
Description:For vacation utility easement
Date of Approval:10/31/84
CCMB:151 Page:71



PLAT OF
N.E. 1/4 & S. 1/2 OF SECTION 26
TOWNSHIP 44 SOUTH RANGE 26 EAST

A SUBDIVISION OF

"LEHIGH ACRES"

LEE COUNTY, FLORIDA

LEE COUNTY LAND & TITLE CO, DEVELOPERS

SCALE 1" = 1 MILE AUGUST, 1958

UNIT BOUNDARY ———

-SURVEYORS CERTIFICATE-

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 hereon.

K. V. Jamison
Florida Registered Land Surveyor No. 1198

NOTE
All lots subject to a 6' Utility Easement both sides, front and back. Interior P.R.M.s are 4"x4"x24" Concrete. Section Corner P.R.M.s are 6"x6"x36" Concrete.

NOTE
Limitations, Easements, lot and land lines on Drawing of latest date shall govern.

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 #26-57

Recommended Action

Engineering Review:

By: _____ 4/28/2026 **Approved _X_ Denied __**

District Field Review:

By: _____ **Approved ___ Denied ___**

District Manager: _____ **Date**: _____

Comments:

The referenced permit application for a boring under Cabio Canal at 12th Street W, 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 #26-58, Comcast Bore under Shrike Canal (57-24-8) at Bari St. E.

Meeting Date: May 18, 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 #26-57, Comcast Bore under Shrike Canal (57-24-8) at Bari St. E. with any listed stipulations.

What the action accomplishes: Allows Comcast Bore under Shrike Canal (57-24-8) at Bari St. E. while staying 10' under LA-MSID's Canal.

Fiscal Impact: Permit Fees: $1,950.00

Staff comments: Approved according to the revised plans submitted May 4, 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 18th day of May, 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 proposed bore under Shrike Canal (46-25-2), along the north side of Bari St. E., between Aprile Ave. S. & Milano 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. 26-58

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 #26-58 is approved according to the revised plans submitted May 4th, 2026.

2). The proposed bore must maintain a minimum clearance of 10’ below the bottom elevation of the canal or the lowest pipe invert, whichever is lower, for the entire 80’ width of 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 underground vaults, pull boxes, cable cabinets, 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 survey record drawings, 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 Bari St. E.

PART I

DATE SUBMITTED: 04 - 08 - 26

PERMIT #: 26 - 58

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: JB0002368924-LEE1-FLLAT00A00-PH1-P5

TOTAL ACREAGE: 0.05

Property Address (STRAP associated with this address will be used as the primary STRAP for this project): 1225 BARI 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 266' across Shrike Canal (57-24-8)
Starting west on Bari St E going east crossing Shrike Canal to east on Bari St E

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.

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.

Jaime 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 31 day of March (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

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.

TrueNet Communications Corp

060947

LEHIGH ACRES MUNICIPAL SERVICE - IMPROVEMENT DISTRICT

DATE	INVOICE NO.	DESCRIPTION	INVOICE AMOUNT	DEDUCTION	BALANCE
3/11/2026	03112026 PH1 P5	JB0002368924 - LEE1-FLLAT00A00-PH1-P5	1,950.00		1,950.00

CHECK DATE		CHECK NUMBER		TOTALS			

PLEASE DETACH THIS PORTION AND RETAIN FOR YOUR RECORDS

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

060947

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
March 12, 2026	60947	$*****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

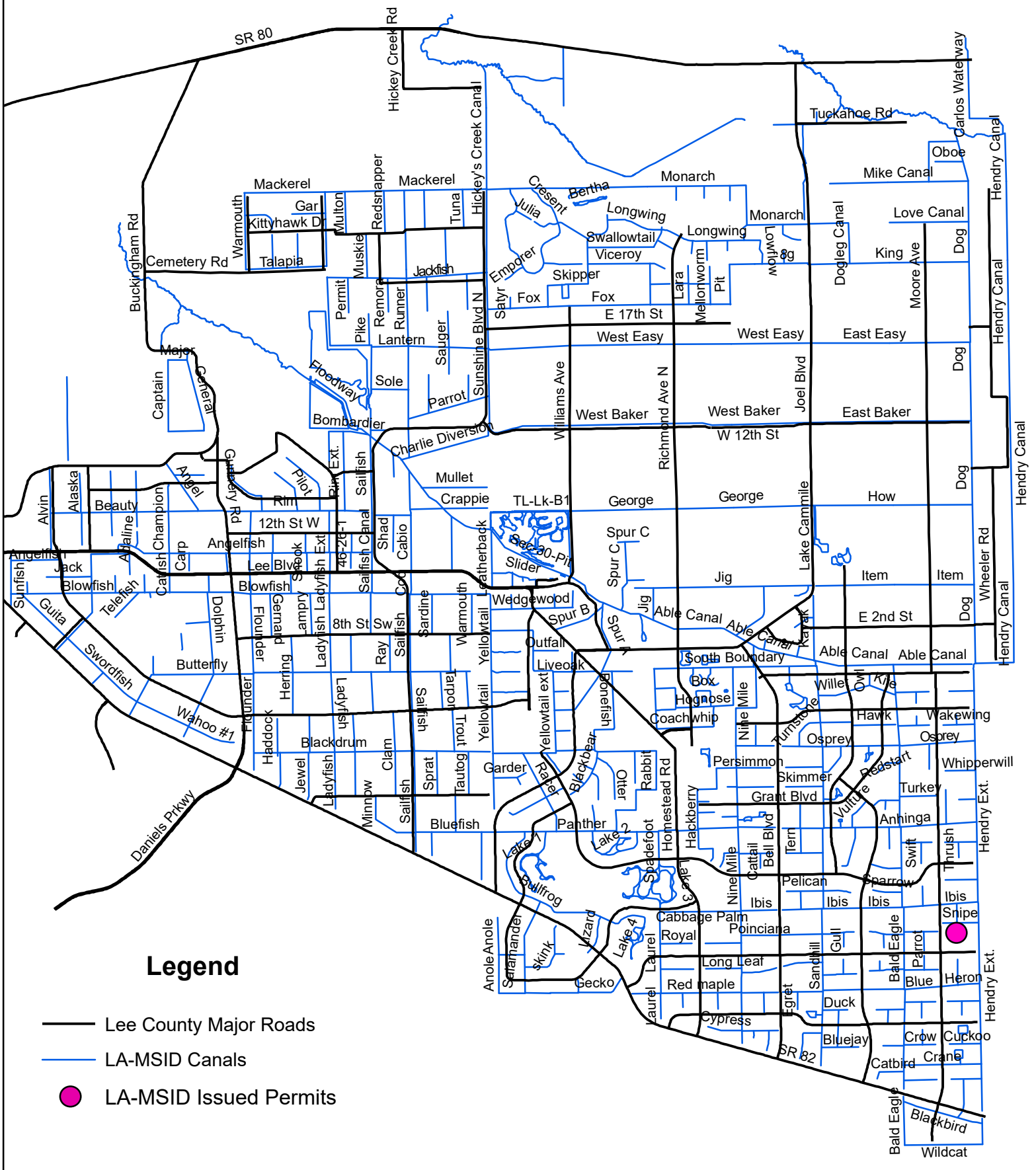
HEAT SENSITIVE COLOR FADES

⑈060947⑈ ⑆121000358⑆ 00123592930⑈

Permit #26-38

COPY

Permit # 2026-58



Legend

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

1225 BARI ST E
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.

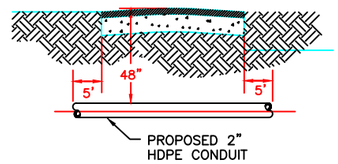


SITE MAP
SCALE: NONE

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:	266'
PROP. OH CATV:	0'
TOTAL PROP. CATV:	266' (0.05MI.)

MOT NOTES

TRAFFIC CONTROL SHALL COMPLY WITH FEDERAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND F.D.O.T. DESIGN STANDARD #NO. 600.

TK LEE1 EXT – FLLAT00A00 – PH 1 – LAMSID – 5

COMCAST
PROPRIETARY AND CONFIDENTIAL
12600 WESTLINKS DR., SUITE 4
FORT MYERS, FL 33913

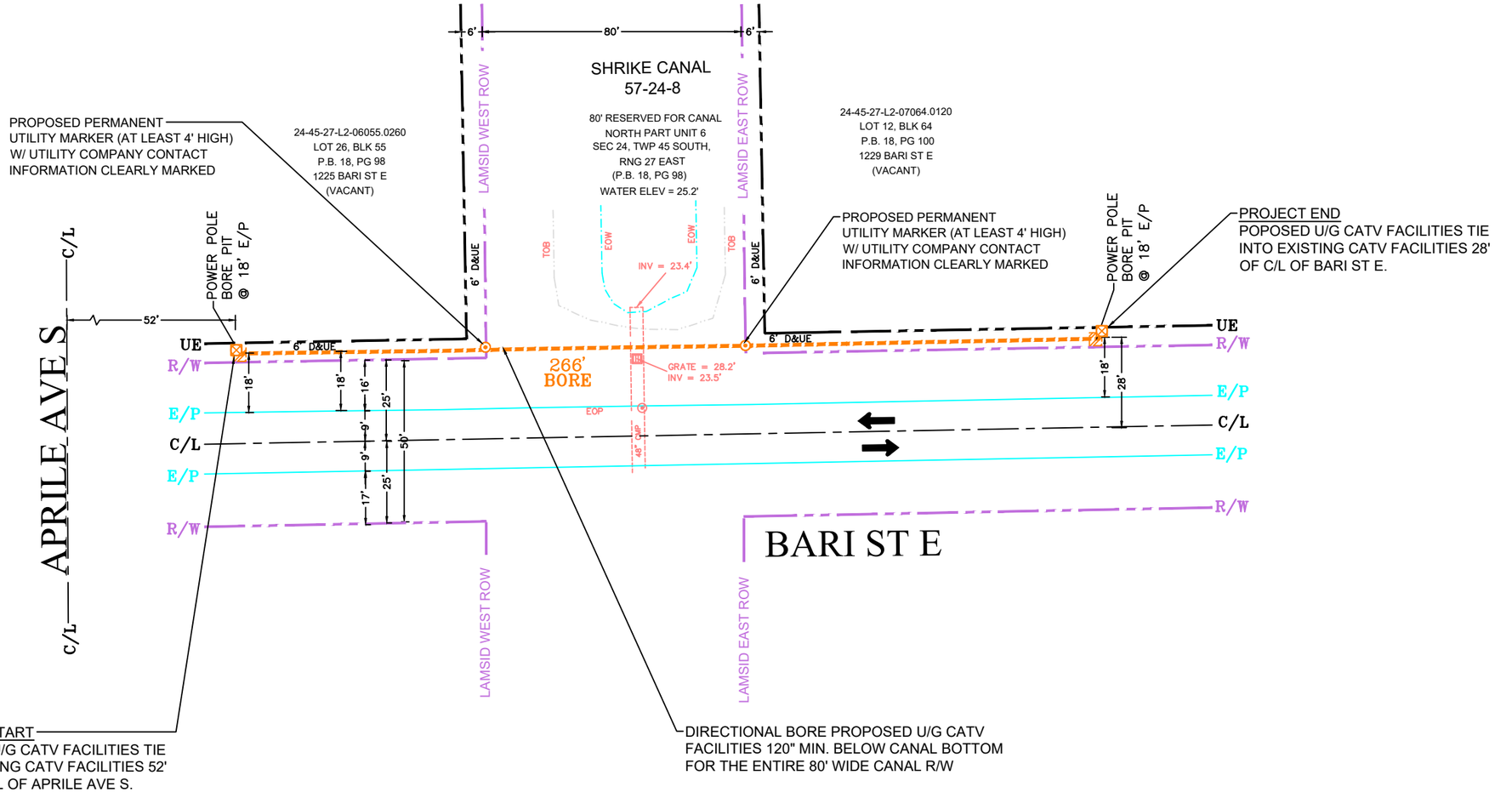
LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT
RIGHT-OF-WAY PERMIT

SUBJECT: PROPOSED U/G CATV FACILITIES ON BARI ST E.	**COUNTY:** LEE
	STATE: FLORIDA
	SHEET NO.: 1 OF 4
	DATE: 03/04/2026
CIFA: N/A	**MAP:** 26.553058, -81.569089
JB#: JB0002368924	**DRAFTED BY:** A. PERDOMO

1225 BARI ST E
LA-MSID PERMIT
PLAN VIEW

0 20' 40'

BINDING SPACE



CONSTRUCTION NOTE:
ALL BORE WORK WILL BE HORIZONTAL DIRECTIONAL DRILL, NOT UNGUIDED BORING.

TK LEE1 EXT – FLLAT00A00 – PH 1 – LAMSID – 5

COMCAST
PROPRIETARY AND CONFIDENTIAL
12600 WESTLINKS DR., SUITE 4
FORT MYERS, FL 33913

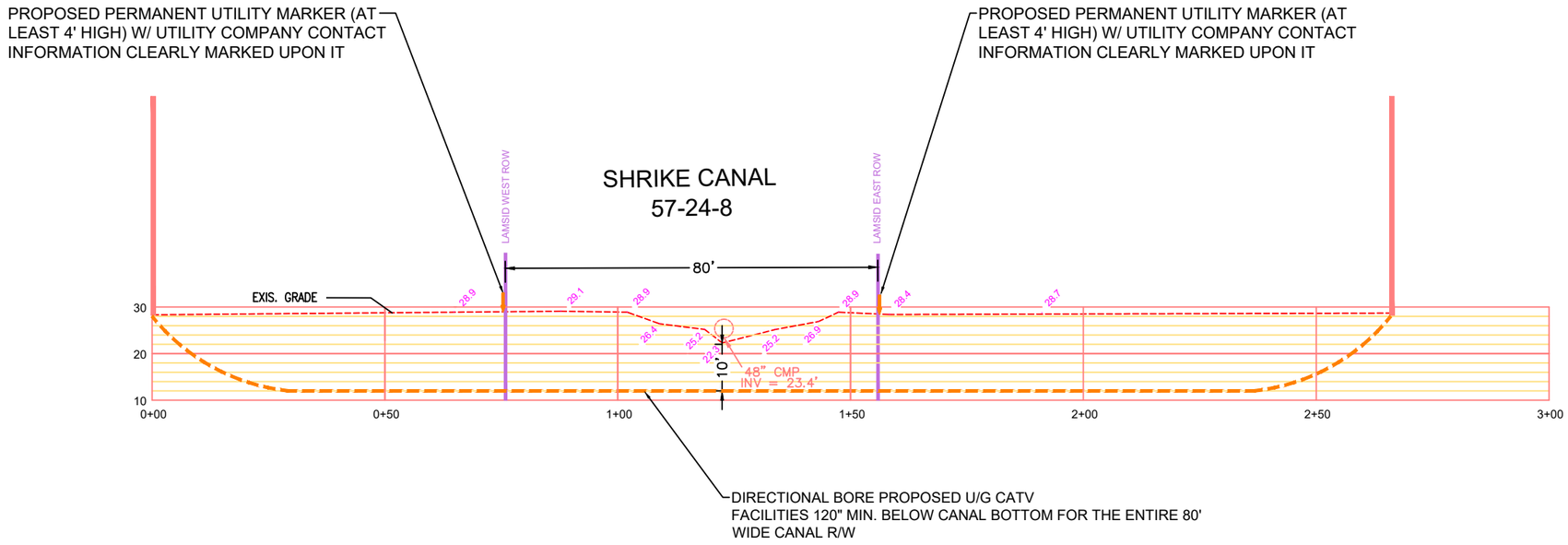
LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT
RIGHT-OF-WAY PERMIT

SUBJECT: PROPOSED U/G CATV FACILITIES ON BARI ST E.	**COUNTY:** LEE
	STATE: FLORIDA
	SHEET NO.: 2 OF 4
	DATE: 03/04/2026
CIFA: N/A	**MAP:** 26.553058, -81.569089
JB#: JB0002368924	**DRAFTED BY:** A. PERDOMO

1225 BARI ST E
LA-MSID PERMIT
CROSS SECTION

BINDING SPACE

0 15' 30'



CONSTRUCTION NOTE:
BORE MUST BE 10' BELOW THE LOWEST PIPE INVERT OR THE CANAL BOTTOM, WHICHEVER IS LOWER, FOR THE ENTIRE 90' 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.

1" = 30' HORIZONTAL
1" = 30' VERTICAL

TK LEE1 EXT – FLLAT00A00 – PH 1 – LAMSID – 5

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 BARI ST E.	**COUNTY:** LEE
	STATE: FLORIDA
	SHEET NO.: 3 OF 4
	DATE: 03/04/2026
CIFA: N/A	**MAP:** 26.553058, -81.569089
JB#: JB0002368924	**DRAFTED BY:** A. PERDOMO

BINDING SPACE

1225 BARI ST E
LA-MSID PERMIT
SITE PHOTOS



ROUTE LOOKING EAST

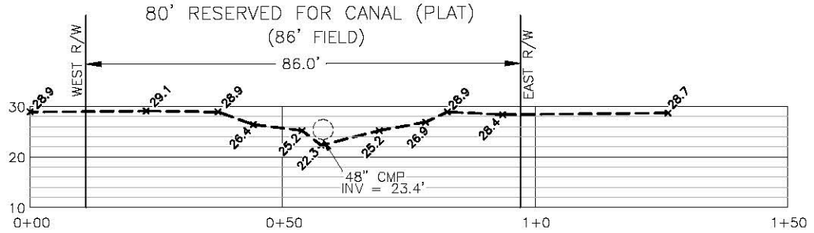
TK LEE1 EXT – FLLAT00A00 – PH 1 – LAMSID – 5

COMCAST
PROPRIETARY AND CONFIDENTIAL
12600 WESTLINKS DR., SUITE 4
FORT MYERS, FL 33913

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

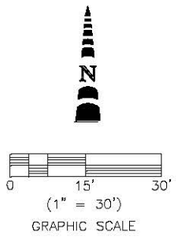
RIGHT-OF-WAY PERMIT

SUBJECT: PROPOSED U/G CATV FACILITIES ON BARI ST E.	**COUNTY:** LEE
	STATE: FLORIDA
	SHEET NO.: 4 OF 4
	DATE: 03/04/2026
CIFA: N/A	**MAP:** 26.553058, -81.569089
JB#: JB0002368924	**DRAFTED BY:** A. PERDOMO



A–A PROFILE VIEW

1" = 30' HORIZONTAL
1" = 30' VERTICAL



ASBUILT SURVEY

OF A PARCEL OF LAND LYING IN SECTION 24, TOWNSHIP 45 SOUTH, RANGE 27 EAST, LEHIGH ACRES, LEE COUNTY, FLORIDA

NOTES:

SURVEY BASED ON THE PLAT OF LEHIGH ACRES UNIT 7 AS RECORDED IN PLAT BOOK 18, PAGE 100 AND PLAT OF LEHIGH ACRES UNIT 6 AS RECORDED IN PLAT BOOK 18, PAGE 98, 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 NORTH OF BARI ST EAST BETWEEN APRILE AVE S AND MILANO AVE S, 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 0490F, PANEL NOT PRINTED, THEREFORE HAS NO BASE FLOOD ELEVATION.

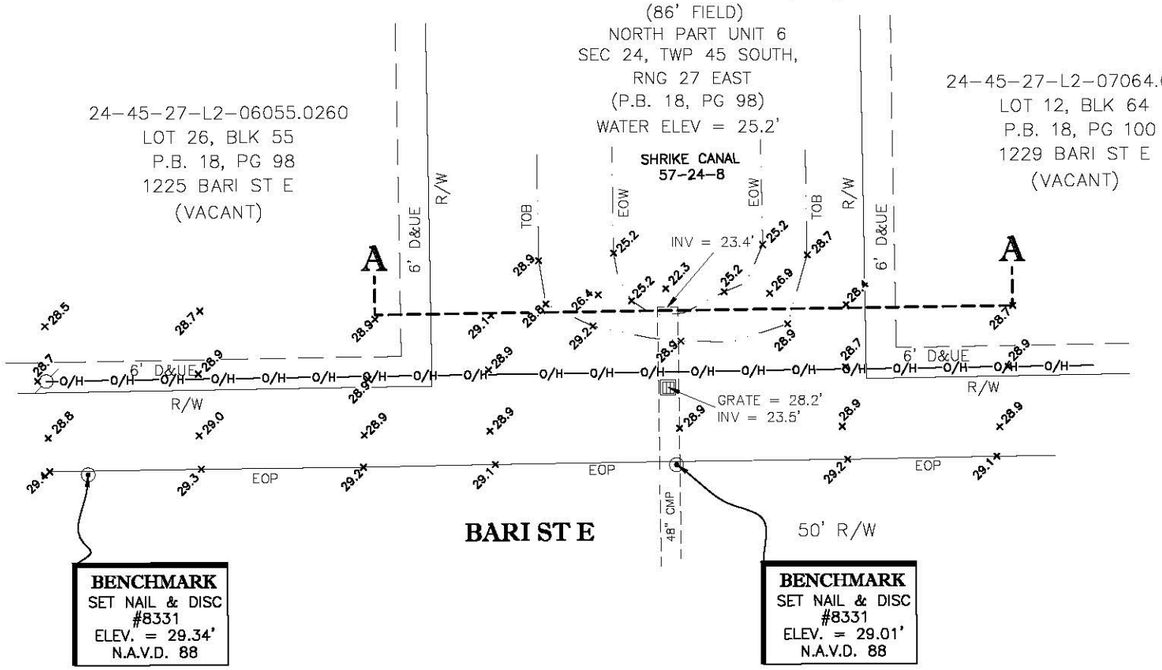
THE F.E.M.A. FLOOD ZONE INFORMATION INDICATED HEREON IS BASED ON MAPS SUPPLIED BY THE FEDERAL GOVERNMENT. THIS FLOOD INFORMATION MUST BE VERIFIED WITH ALL PERMITTING REGULATORY ENTITIES PRIOR TO COMMENCING ANY WORK OR APPLICATION DEPENDENT ON SAID FLOOD INFORMATION.

UNDERGROUND IMPROVEMENTS, UTILITIES AND/OR FOUNDATIONS WERE NOT LOCATED UNLESS OTHERWISE NOTED.

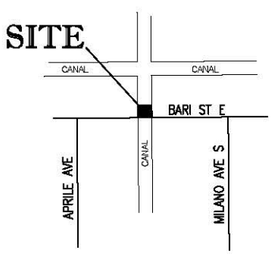
WETLANDS, IF ANY, WERE NOT LOCATED.

SUBJECT TO EASEMENTS, RESTRICTIONS, RESERVATIONS AND RIGHTS–OF–WAY (RECORDED AND UNRECORDED, WRITTEN AND UNWRITTEN).

DATE OF LAST FIELD WORK: 2–13–2026.



VICINITY SKETCH
(NOT TO SCALE)



LEGEND:

FIR = FOUND IRON ROD
N&D = NAIL AND DISC
ELEV = ELEVATION
P.B. = PLAT BOOK
PG = PAGE
TRAV = TRAVERSE
CONC = CONCRETE
D&UE = DRAINAGE & 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

Timothy L Mann

Digitally signed by Timothy L Mann
Date: 2026.02.20 11:00:11 -05'00'

BY:
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.

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.

BARI ST EAST, LEHIGH ACRES

TITLE: ASBUILT SURVEY

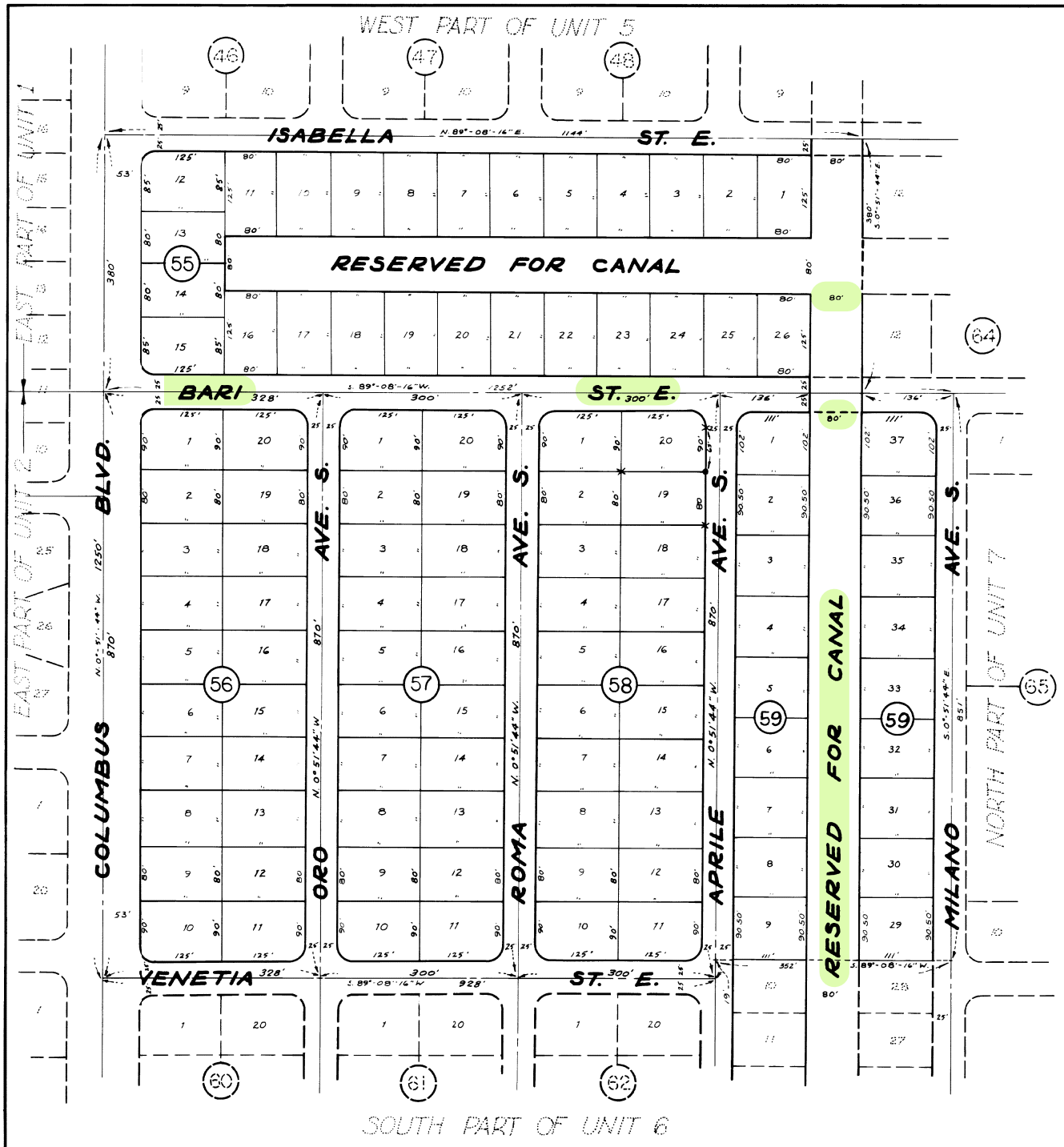
KEYSTONE
A CLS COMPANY
www.keystoneconsultants.net

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:
15760SR.DWG	SEE FILE	15760	1 OF 1

SURVEY DATE:	DRAWN BY:	SCALE:	CHECKED BY:	FILE NO. (S–T–R)
2/17/26	BUD	1"= 30'	TLM	24–45–27



PLAT BOOK 18, PAGE 98

NORTH PART
PLAT OF UNIT 6
SECTION 24, TWP. 45S., 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 Easement on both sides and back, and a 6 foot Drainage Easement on the front and sides of lots 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 24

A SUBDIVISION OF

LEHIGH ACRES

LEE COUNTY, FLORIDA

LEHIGH ACRES DEVELOPMENT CORPORATION

DEVELOPERS

DESCRIPTION

ALL OF SECTION 24, TOWNSHIP 45 SOUTH, RANGE 27 EAST, LEE COUNTY, FLORIDA.

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 SECTION 24, 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. THE SIX FOOT DRAINAGE EASEMENT ARE DEDICATED TO THE PERPETUAL USE OF THE PUBLIC

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 26th DAY OF November A.D. 1963

LEHIGH ACRES DEVELOPMENT CORPORATION

BY Gerald H. Gould
Pres.

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 26th DAY OF November A.D. 1963

[signature]
NOTARY PUBLIC STATE OF FLORIDA AT LARGE
My Commission Expires

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 27th DAY OF November A.D. 1963 IN OPEN MEETING OF THE BOARD OF COUNTY COMMISSIONERS OF LEE COUNTY, FLORIDA

APPROVED Herman Hartinger
Chairman

Frank A. Pavese
County Attorney

D. F. Farabee
Clerk

[signature]
County Engineer

334603

I HEREBY CERTIFY THAT THIS PLAT OF SECTION 24, 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 9 DAY OF January A.D. 1964, AND DULY RECORDED IN PLAT BOOK 18 ON PAGES 87-105 OF PUBLIC RECORDS OF LEE COUNTY, FLORIDA.

D. F. 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.

[signature]
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.

ALL LOTS SUBJECT TO A 6 FOOT UTILITY EASEMENT ON BOTH SIDES AND BACK, AND A 6 FOOT DRAINAGE EASEMENT ON FRONT AND SIDES OF LOTS ON 50 FOOT STREET RIGHTS OF WAY.

PART IV #26-58

Recommended Action

Engineering Review:

By: _____ 4/28/2026 **Approved _X_ Denied __**

District Field Review:

By: _____ Approved ___ Denied ___

District Manager: _____ Date: _____

Comments:

The referenced permit application for a boring under Shrike Canal at Bari 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 #26-59, Comcast Bore under Shrike Canal (57-24-8) at Isabella St.

Meeting Date: May 18, 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 #26-59, Comcast Bore under Shrike Canal (57-24-8) at Isabella St. with any listed stipulations.

What the action accomplishes: Allows Comcast Bore under Shrike Canal (57-24-8) at Isabella St. while staying 10' under LA-MSID's Canal.

Fiscal Impact: Permit Fees: $1,950.00

Staff comments: Approved according to the revised plans submitted May 4, 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 18th day of May, 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 proposed bore under Shrike Canal (57-24-8), along the south side of Isabella St., between Aprile Ave. S. & Milano 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. 26-59

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 #26-59 is approved according to the revised plans submitted May 4th, 2026.

2). The proposed bore must maintain a minimum clearance of 10’ below the bottom elevation of the canal or the lowest pipe invert, whichever is lower, for the entire 80’ width of 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 underground vaults, pull boxes, cable cabinets, 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 survey record drawings, 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 Isabella St.

PART I

DATE SUBMITTED: 04 - 08 - 26

PERMIT #: 26 - 59

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: JB0002368924-LEE1-FLLAT00A00-PH2-P3

TOTAL ACREAGE: 0.05

Property Address (STRAP associated with this address will be used as the primary STRAP for this project): 1224 ISABELLA ST					
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 278' across ShrikE Canal (57-24-8)
Starting west on Isabella St going east crossing Shrike Canal to east on Isabella St

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.

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.

Joane George
SIGNATURE OF APPLICANT

Joane George
PRINTED OR TYPED NAME OF APPLICANT

STATE OF FLORIDA
COUNTY OF LEE

The foregoing instrument was acknowledged before me this 31 day of March (m), 2026(y), by Joane 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

060945

LEHIGH ACRES MUNICIPAL SERVICE - IMPROVEMENT DISTRICT

DATE	INVOICE NO.	DESCRIPTION	INVOICE AMOUNT	DEDUCTION	BALANCE
3/11/2026	03112026 PH2 P3	JB0002368924 - LEE1 - FLLAT00A00 - PH 2 - P3	1,950.00		1,950.00

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

060945

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
March 12, 2026	60945	$*****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

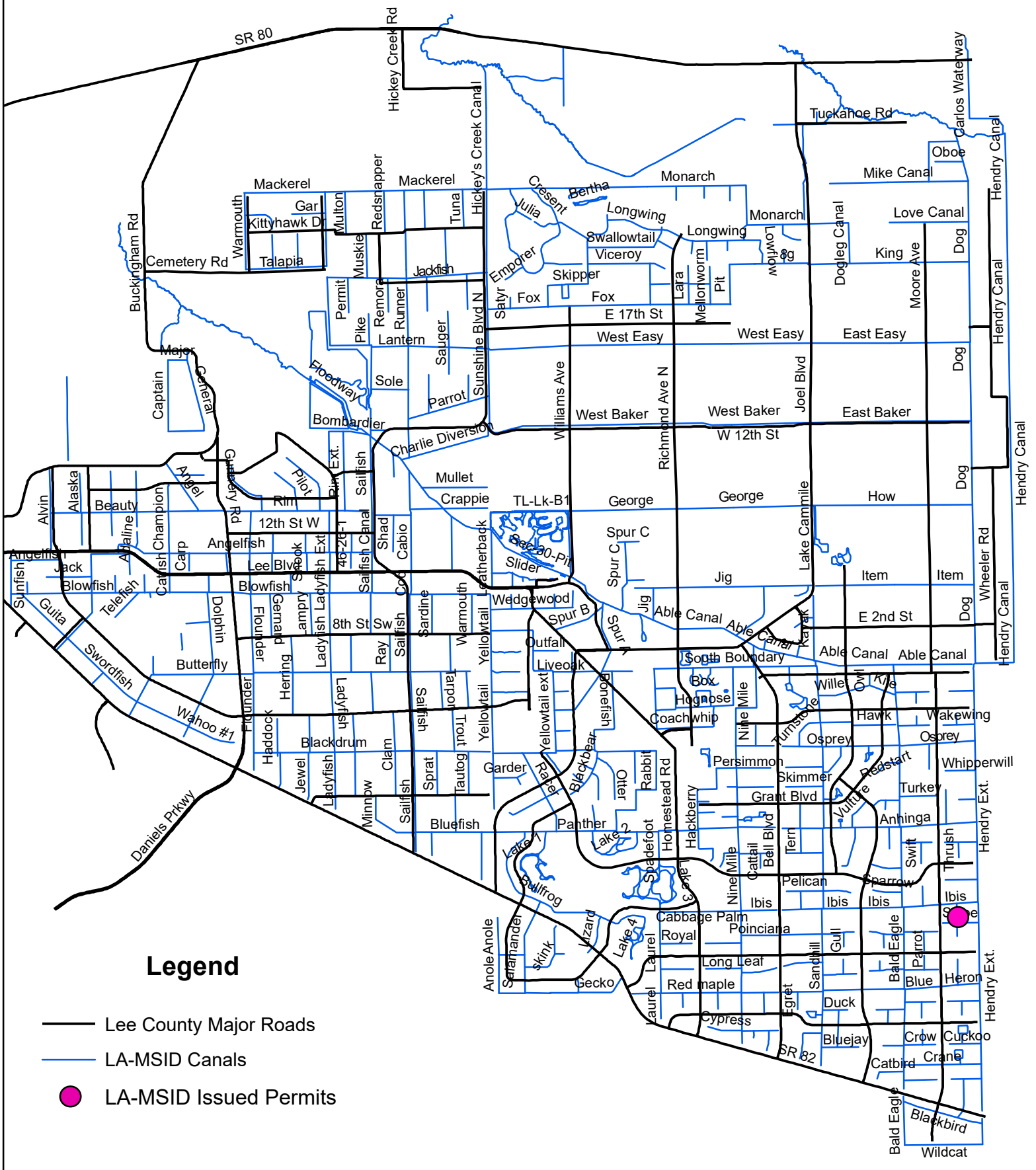
HEAT SENSITIVE COLOR FADES WITH

⑈060945⑈ ⑆121000358⑆ 00123359293O⑈

Permit #26-59

COPY

Permit # 2026-59



Legend

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

1224 ISABELLA ST
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.

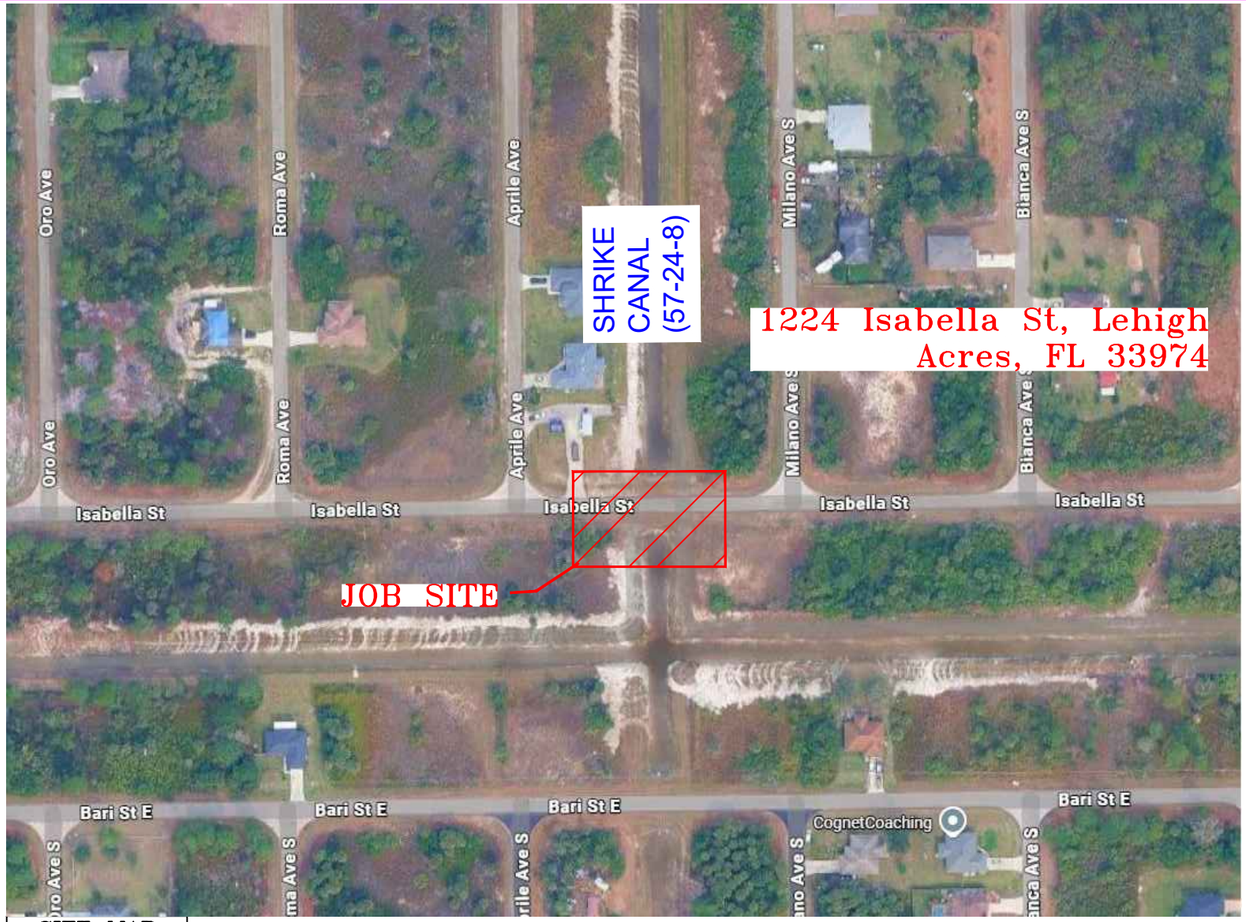
ALL WORK PERFORMED WITHIN THE DOT RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH DOT DESIGN STANDARDS, SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE UTILITY ACCOMODATION MANUAL, LATEST EDITIONS.

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.

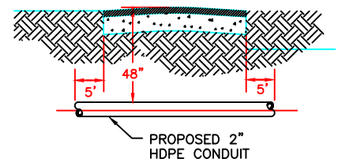


SITE MAP
SCALE: NONE

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:	278'
PROP. OH CATV:	0'
TOTAL PROP. CATV:	278' (0.05MI.)

MOT NOTES

TRAFFIC CONTROL SHALL COMPLY WITH FEDERAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND F.D.O.T. DESIGN STANDARD #NO. 600.

JB0002368924_TK LEE1 EXT – FLLAT00A00 – PH 2 – LAMSID – 3

COMCAST
PROPRIETARY AND CONFIDENTIAL
12600 WESTLINKS DR., SUITE 4
FORT MYERS, FL 33913

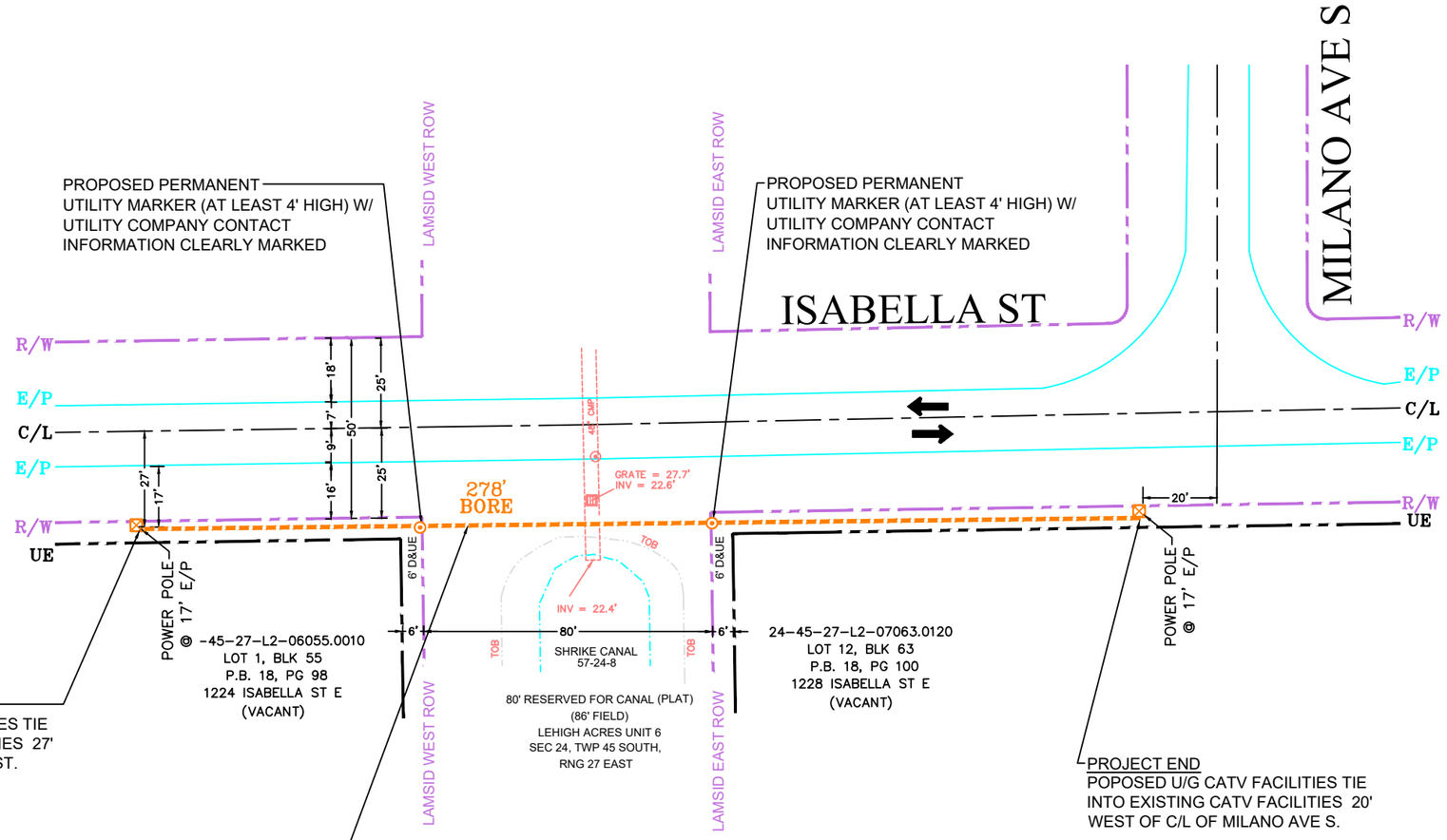
LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT
RIGHT-OF-WAY PERMIT

SUBJECT: PROPOSED U/G CATV FACILITIES ON ISABELLA ST.	**COUNTY:** LEE
	STATE: FLORIDA
	SHEET NO.: 1 OF 4
	DATE: 03/04/2026
CIFA: N/A	**MAP:** 26.553947, -81.569102
JB#: JB0002368924	**DRAFTED BY:** A. PERDOMO

1224 ISABELLA ST
LA-MSID PERMIT
PLAN VIEW

0 20’ 40’

BINDING SPACE



CONSTRUCTION NOTE:
ALL BORE WORK WILL BE HORIZONTAL DIRECTIONAL DRILL, NOT UNGUIDED BORING.

JB0002368924_TK LEE1 EXT – FLLAT00A00 – PH 2 – LAMSID – 3

COMCAST
PROPRIETARY AND CONFIDENTIAL
12600 WESTLINKS DR., SUITE 4
FORT MYERS, FL 33913

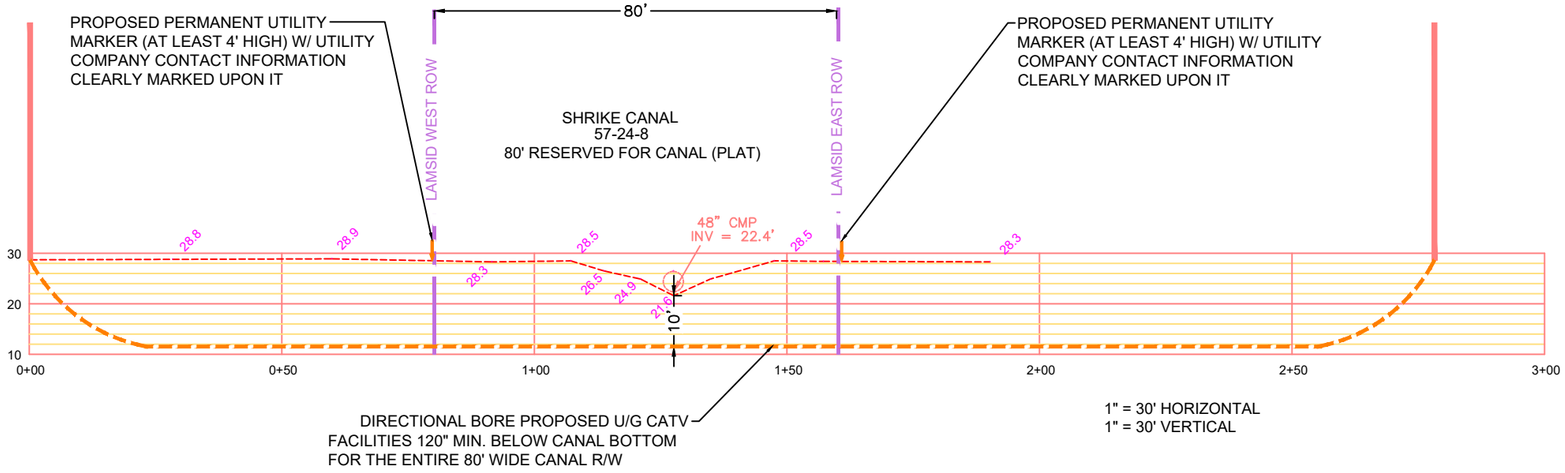
LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT
RIGHT-OF-WAY PERMIT

SUBJECT: PROPOSED U/G CATV FACILITIES ON ISABELLA ST.	**COUNTY:** LEE
	STATE: FLORIDA
	SHEET NO.: 2 OF 4
	DATE: 03/04/2026
CIFA: N/A	**MAP:** 26.553947, -81.569102
JB#: JB0002368924	**DRAFTED BY:** A. PERDOMO

BINDING SPACE

1224 ISABELLA ST
LA–MSID PERMIT
CROSS SECTION

0 15’ 30’



CONSTRUCTION NOTE:
BORE MUST BE 10' BELOW THE LOWEST PIPE INVERT OR THE CANAL BOTTOM, WHICHEVER IS LOWER, FOR THE ENTIRE 90' 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.

JB0002368924_TK LEE1 EXT – FLLAT00A00 – PH 2 – LAMSID – 3

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 ISABELLA ST.	**COUNTY:** LEE
	STATE: FLORIDA
	SHEET NO.: 3 OF 4
	DATE: 03/04/2026
CIFA: N/A	**MAP:** 26.553947, –81.569102
JB#: JB0002368924	**DRAFTED BY:** A. PERDOMO

BINDING SPACE

1224 ISABELLA ST
LA-MSID PERMIT
SITE PHOTOS



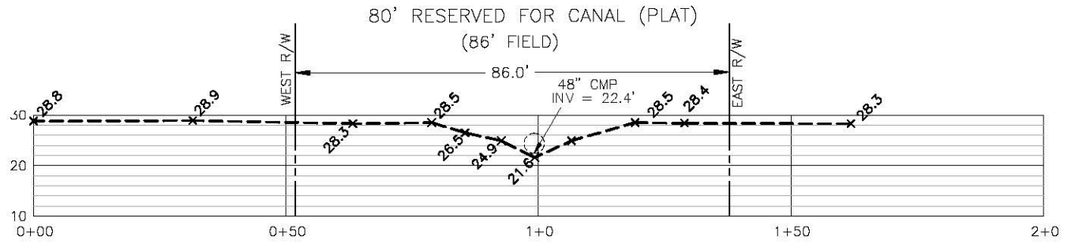
ROUTE LOOKING EAST

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 ISABELLA ST.	**COUNTY:** LEE
	STATE: FLORIDA
	SHEET NO.: 4 OF 4
	DATE: 03/04/2026
CIFA: N/A	**MAP:** 26.553947, -81.569102
JB#: JB0002368924	**DRAFTED BY:** A. PERDOMO

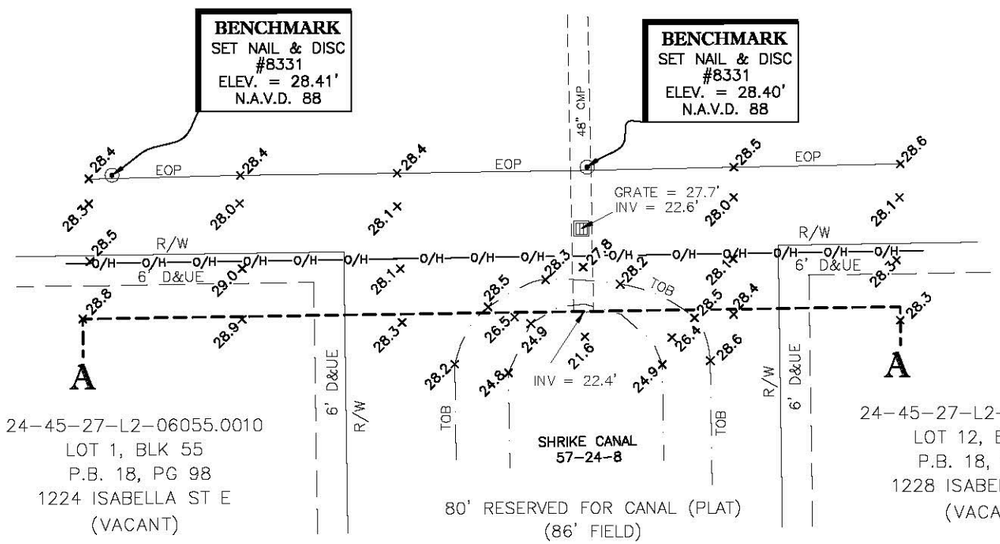


A–A PROFILE VIEW

1" = 30' HORIZONTAL
1" = 30' VERTICAL

LEGEND:

FIR = FOUND IRON ROD
N&D = NAIL AND DISC
ELEV = ELEVATION
P.B. = PLAT BOOK
PG = PAGE
TRAV = TRAVERSE
CONC = CONCRETE
D&UE = DRAINAGE & 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



24–45–27–L2–06055.0010
LOT 1, BLK 55
P.B. 18, PG 98
1224 ISABELLA ST E
(VACANT)

80' RESERVED FOR CANAL (PLAT)
(86' FIELD)
LEHIGH ACRES UNIT 6
SEC 24, TWP 45 SOUTH,
RNG 27 EAST
(P.B. 18, PG 98)
WATER ELEV = 24.9'

24–45–27–L2–07063.0120
LOT 12, BLK 63
P.B. 18, PG 100
1228 ISABELLA ST E
(VACANT)

N

0 15' 30'
(1" = 30')
GRAPHIC SCALE

VICINITY SKETCH
(NOT TO SCALE)



ASBUILT SURVEY

OF A PARCEL OF LAND LYING IN SECTION 24, TOWNSHIP 45 SOUTH, RANGE 27 EAST, LEHIGH ACRES, LEE COUNTY, FLORIDA

NOTES:

SURVEY BASED ON THE PLAT OF LEHIGH ACRES UNIT 7 AS RECORDED IN PLAT BOOK 18, PAGE 100 AND PLAT OF LEHIGH ACRES UNIT 6 AS RECORDED IN PLAT BOOK 18, PAGE 98, 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 SOUTH OF ISABELLA ST EAST BETWEEN APRILE AVE S AND MILANO AVE S, 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 0490F, 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: 2–16–2026.

Timothy L Mann

Digitally signed by Timothy L Mann
Date: 2026.02.23 11:08:27 -05'00'

BY: 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.

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.

ISABELLA ST EAST, 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:
15762SR.DWG	SEE FILE	15762	1 OF 1

SURVEY DATE:	DRAWN BY:	SCALE:	CHECKED BY:	FILE NO. (S–T–R)
2/18/26	BUD	1"= 30'	TLM	24–45–27

PB.___ PG.___



WEST PART
PLAT OF UNIT 5
SECTION 24, 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 lots 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 24

A SUBDIVISION OF

LEHIGH ACRES

LEE COUNTY, FLORIDA

LEHIGH ACRES DEVELOPMENT CORPORATION

DEVELOPERS

DESCRIPTION

ALL OF SECTION 24, TOWNSHIP 45 SOUTH, RANGE 27 EAST, LEE COUNTY, FLORIDA.

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 SECTION 24, 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. THE SIX FOOT DRAINAGE EASEMENT ARE DEDICATED TO THE PERPETUAL USE OF THE PUBLIC

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 24th DAY OF November A.D. 1963

LEHIGH ACRES DEVELOPMENT CORPORATION

BY Gerald H. Gould
Pres.

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 24th DAY OF November A.D. 1963

[signature]
NOTARY PUBLIC STATE OF FLORIDA AT LARGE
My Commission Expires

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 27th DAY OF November A.D. 1963 IN OPEN MEETING OF THE BOARD OF COUNTY COMMISSIONERS OF LEE COUNTY, FLORIDA

APPROVED Herman Hartinger
Chairman

Frank H. Pavese
County Attorney

D. F. Farabee
Clerk

[signature]
County Engineer

334603

I HEREBY CERTIFY THAT THIS PLAT OF SECTION 24, 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 9 DAY OF January A.D. 1964, AND DULY RECORDED IN PLAT BOOK 18 ON PAGE 5 87-105 OF PUBLIC RECORDS OF LEE COUNTY, FLORIDA.

D. F. 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.

[signature]
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.

ALL LOTS SUBJECT TO A 6 FOOT UTILITY EASEMENT ON BOTH SIDES AND BACK, AND A 6 FOOT DRAINAGE EASEMENT ON FRONT AND SIDES OF LOTS ON 50 FOOT STREET RIGHTS OF WAY.

PART IV #26-59

Recommended Action

Engineering Review:

By: _____ 4/28/2026 **Approved _X_ Denied __**

District Field Review:

By: _____ Approved ___ Denied ___

District Manager: _____ Date: _____

Comments:

The referenced permit application for a boring under Shrike Canal at 1224 Isabella St, 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 #26-60, Comcast Bore under Snipe Canal (57-24-7) at Naples Ave S.

Meeting Date: May 18, 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 #26-60, Comcast Bore under Snipe Canal (57-24-7) at Naples Ave S., with any listed stipulations.

What the action accomplishes: Allows Comcast Bore under Snipe Canal (57-24-7) at Naples Ave S. while staying 10' under LA-MSID's Canal.

Fiscal Impact: Permit Fees: $1,950.00

Staff comments: Approved according to the revised plans submitted May 4, 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 18th day of May, 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 proposed bore under Snipe Canal (57-24-7), along the east side of Naples Ave. S., between Isabella St. & Bari 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. 26-60

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 #26-60 is approved according to the revised plans submitted May 4th, 2026.

2). The proposed bore must maintain a minimum clearance of 10’ below the bottom elevation of the canal or the lowest pipe invert, whichever is lower, for the entire 80’ width of 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 underground vaults, pull boxes, cable cabinets, 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 survey record drawings, 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 Naples Ave. S.

PART I

DATE SUBMITTED: 04 - 08 - 26

PERMIT #: 26 - 60

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: JB0002368924-LEE1-FLLAT00A00-PH2-P4

TOTAL ACREAGE: 0.05

Property Address (STRAP associated with this address will be used as the primary STRAP for this project): 727 NAPLES AVE S					
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 189' across Snipe Canal (57-24-7)
Starting south on Naples Ave S going north crossing Snipe 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.

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.

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 31 day of March (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.

COPY

Permit #26-60

rueNet Communications Corp

060935

LEHIGH ACRES MUNICIPAL SERVICE - IMPROVEMENT DISTRICT

DATE	INVOICE NO.	DESCRIPTION	INVOICE AMOUNT	DEDUCTION	BALANCE
3/11/2026	03112026 PH2 P4	JB0002368924 - LEE1-FLLAT00A00-PH2-P4	1,950.00		1,950.00
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

060935

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
March 12, 2026	60935	$*****1,950.00

PAY TO THE ORDER OF

LEHIGH ACRES MUNICIPAL SERVICE - IMPROVEMENT DISTRICT
601 EAST COUNTY LANE
LEHIGH ACRES FL 33936

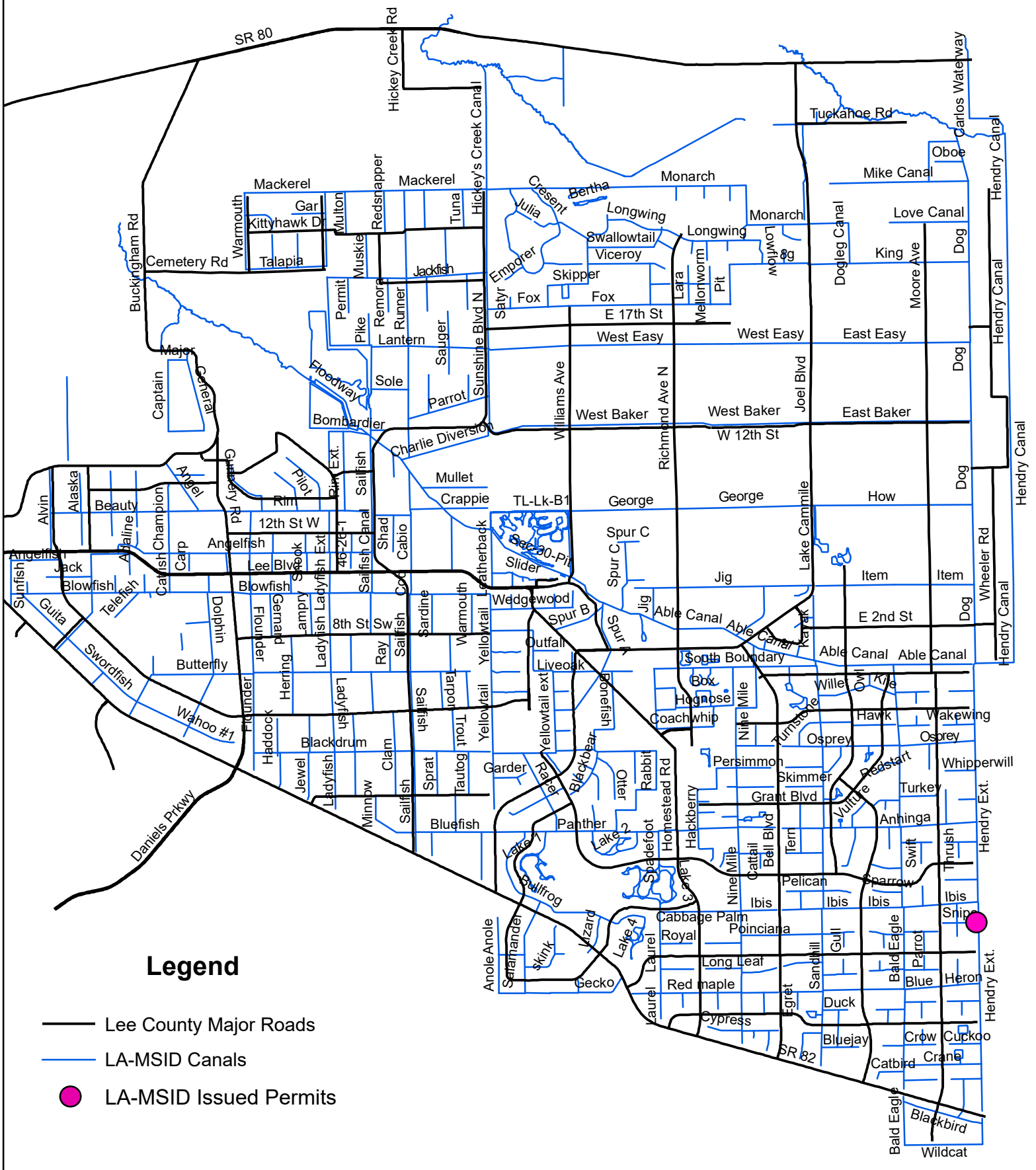
VOID AFTER 90 DAYS

AUTHORIZED SIGNATURE

HEAT SENSITIVE COLOR FADES WITH HEAT

⑈060935⑈ ⑆121000358⑆ 00123359293O⑈

Permit # 2026-60



Legend

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

727 NAPLES AVE S
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.

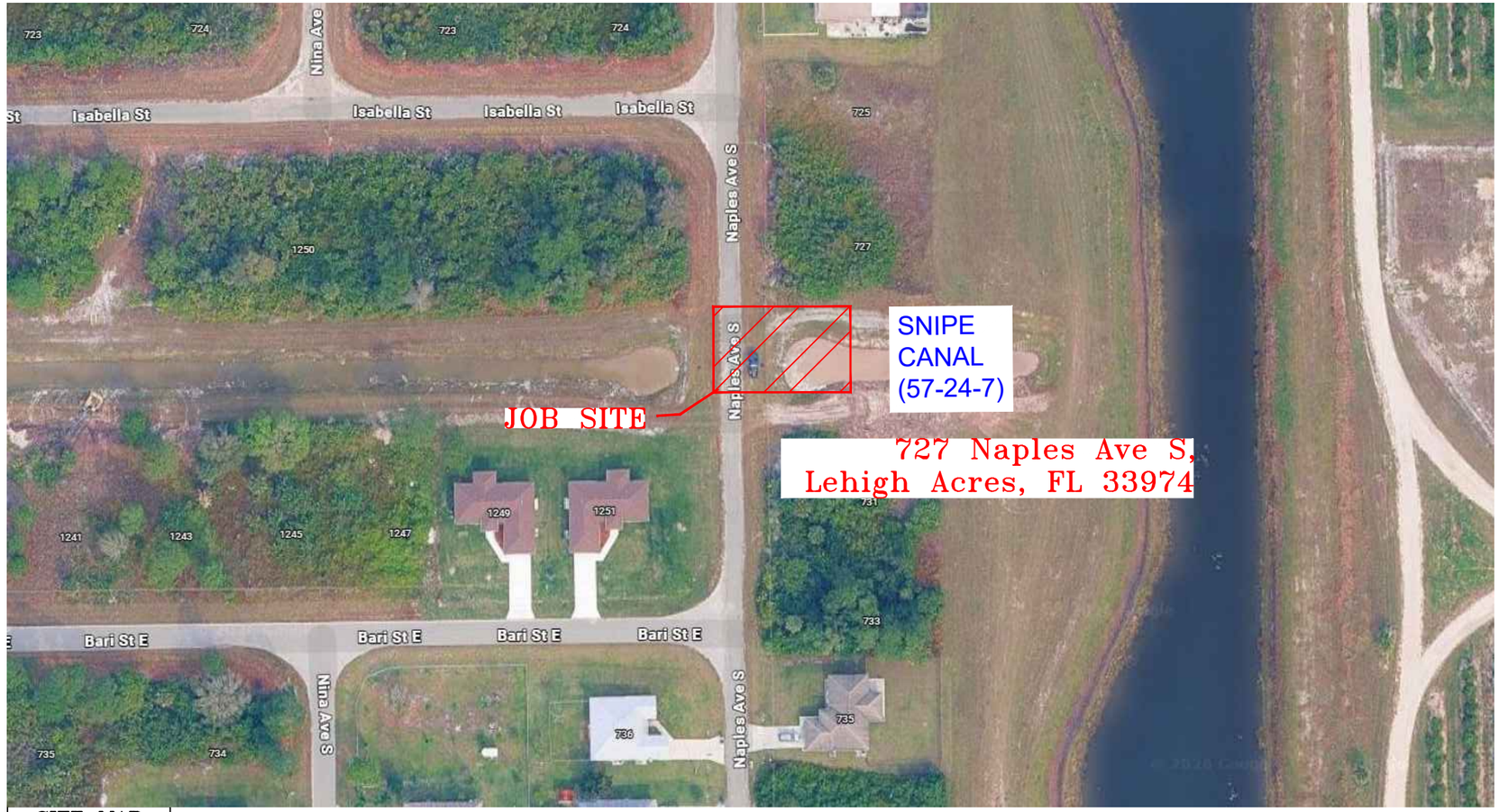
ALL WORK PERFORMED WITHIN THE DOT RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH DOT DESIGN STANDARDS, SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE UTILITY ACCOMODATION MANUAL, LATEST EDITIONS.

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.

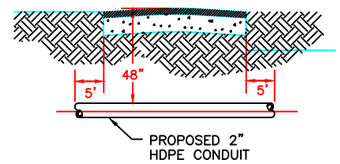


SITE MAP
SCALE: NONE

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:	189'
PROP. OH CATV:	0'
TOTAL PROP. CATV:	189' (0.04MI.)

MOT NOTES

TRAFFIC CONTROL SHALL COMPLY WITH FEDERAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND F.D.O.T. DESIGN STANDARD #NO. 600.

JB0002368924_TK LEE1 EXT – FLLAT00A00 – PH 2 – LAMSID – 4

COMCAST
PROPRIETARY AND CONFIDENTIAL
12600 WESTLINKS DR., SUITE 4
FORT MYERS, FL 33913

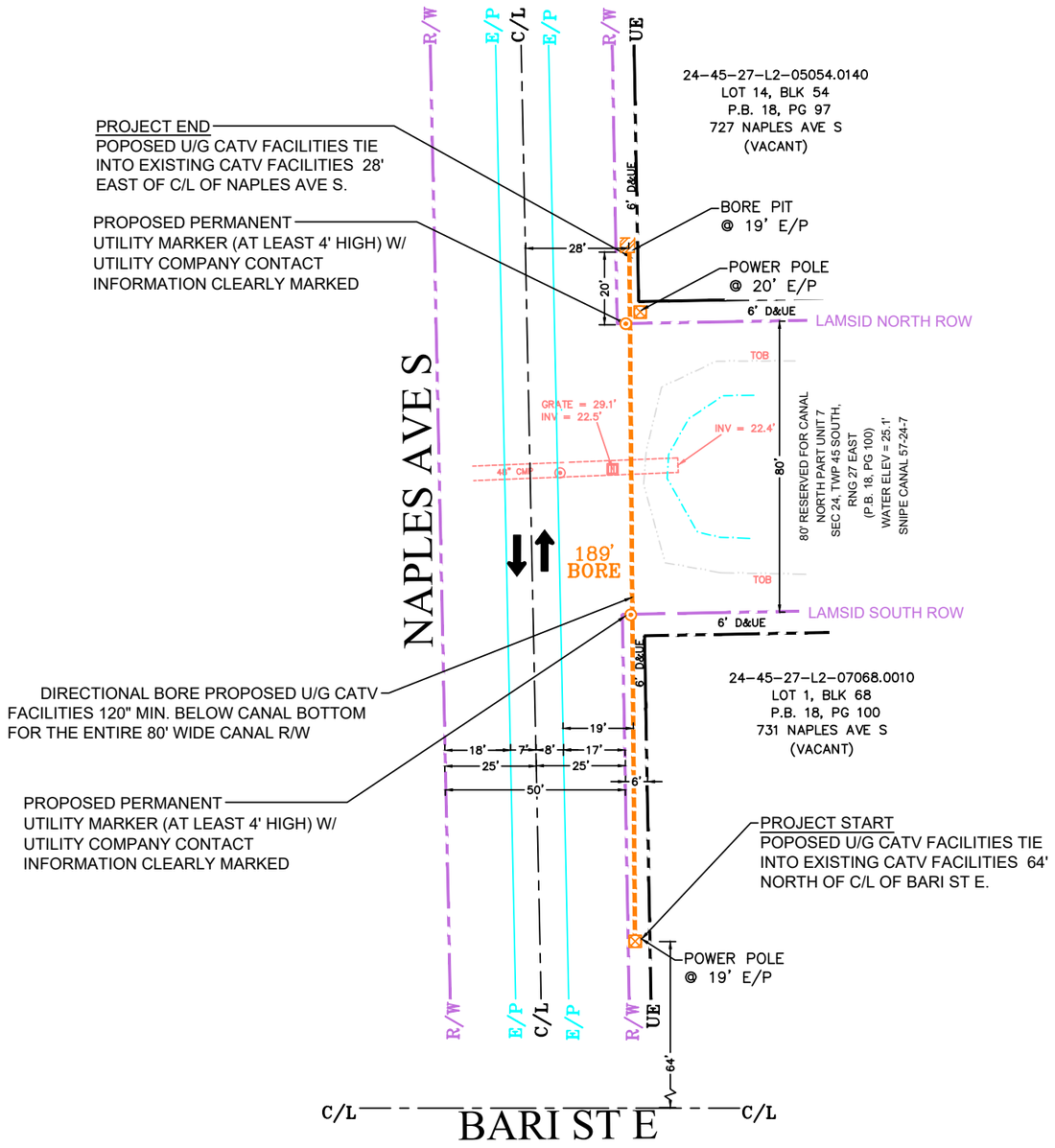
LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT
RIGHT-OF-WAY PERMIT

SUBJECT: PROPOSED U/G CATV FACILITIES ON NAPLES AVE S.	**COUNTY:** LEE
	STATE: FLORIDA
	SHEET NO.: 1 OF 4
	DATE: 03/04/2026
CIFA: N/A	**MAP:** 26.553526, -81.565733
JB#: JB0002368924	**DRAFTED BY:** A. PERDOMO

727 NAPLES AVE S
LA-MSID PERMIT
PLAN VIEW

0 20' 40'

BINDING SPACE



CONSTRUCTION NOTE:
ALL BORE WORK WILL BE HORIZONTAL DIRECTIONAL DRILL, NOT UNGUIDED BORING.

JB0002368924_TK LEE1 EXT – FLLAT00A00 – PH 2 – LAMSID – 4

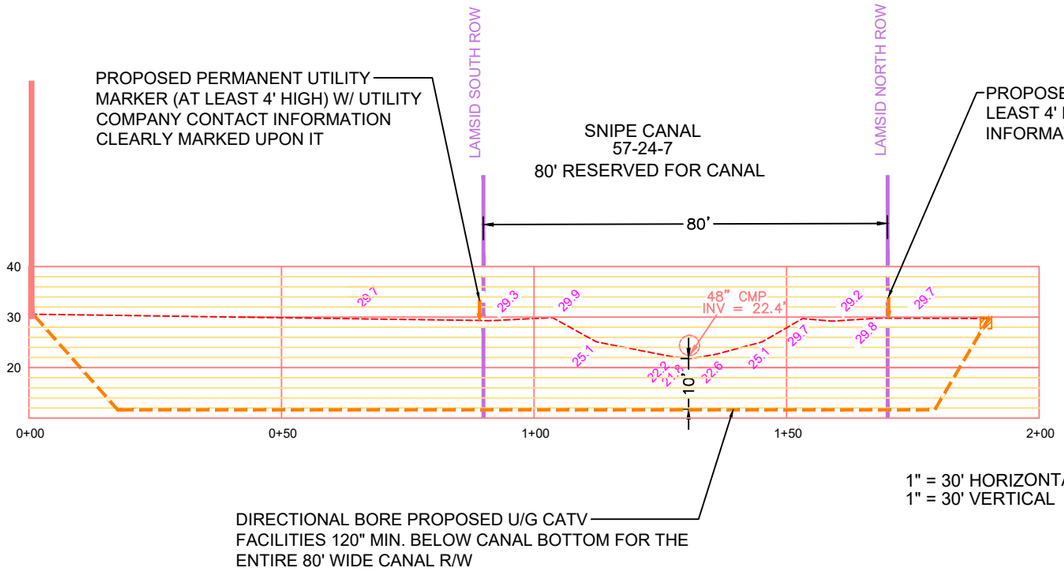
COMCAST
PROPRIETARY AND CONFIDENTIAL
12600 WESTLINKS DR., SUITE 4
FORT MYERS, FL 33913

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT
RIGHT-OF-WAY PERMIT

SUBJECT: PROPOSED U/G CATV FACILITIES ON NAPLES AVE S.	**COUNTY:** LEE
	STATE: FLORIDA
	SHEET NO.: 2 OF 4
	DATE: 03/04/2026
CIFA: N/A	**MAP:** 26.553526, -81.565733
JB#: JB0002368924	**DRAFTED BY:** A. PERDOMO

727 NAPLES AVE S
LA-MSID PERMIT
CROSS SECTION

0 15' 30'



CONSTRUCTION NOTE:
BORE MUST BE 10' BELOW THE LOWEST PIPE INVERT OR THE CANAL BOTTOM, WHICHEVER IS LOWER, FOR THE ENTIRE 90' 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

JB0002368924_TK LEE1 EXT – FLLAT00A00 – PH 2 – LAMSID – 4

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 NAPLES AVE S.	**COUNTY:** LEE
	STATE: FLORIDA
	SHEET NO.: 3 OF 4
	DATE: 03/04/2026
CIFA: N/A	**MAP:** 26.553526, -81.565733
JB#: JB0002368924	**DRAFTED BY:** A. PERDOMO

BINDING SPACE

727 NAPLES AVE S
LA-MSID PERMIT
SITE PHOTOS



ROUTE LOOKING NORTH

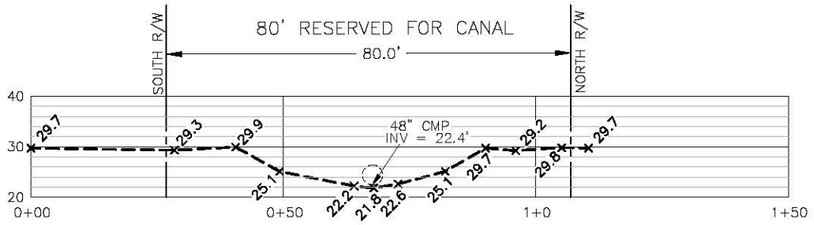
JB0002368924_TK LEE1 EXT – FLLAT00A00 – PH 2 – LAMSID – 4

COMCAST
PROPRIETARY AND CONFIDENTIAL
12600 WESTLINKS DR., SUITE 4
FORT MYERS, FL 33913

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

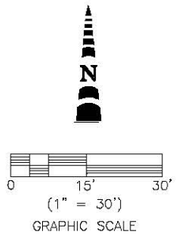
RIGHT-OF-WAY PERMIT

SUBJECT: PROPOSED U/G CATV FACILITIES ON NAPLES AVE S.	**COUNTY:** LEE
	STATE: FLORIDA
	SHEET NO.: 4 OF 4
	DATE: 03/04/2026
CIFA: N/A	**MAP:** 26.553526, -81.565733
JB#: JB0002368924	**DRAFTED BY:** A. PERDOMO



A–A PROFILE VIEW

1" = 30' HORIZONTAL
1" = 30' VERTICAL



ASBUILT SURVEY

OF A PARCEL OF LAND LYING IN SECTION 24, TOWNSHIP 45 SOUTH, RANGE 27 EAST, LEHIGH ACRES, LEE COUNTY, FLORIDA

NOTES:

SURVEY BASED ON THE PLAT OF LEHIGH ACRES UNIT 7 AS RECORDED IN PLAT BOOK 18, PAGE 100 AND PLAT OF LEHIGH ACRES UNIT 5 AS RECORDED IN PLAT BOOK 18, PAGE 97, 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 NAPLES AVE SOUTH BETWEEN BARI ST EAST AND ISABELLA ST EAST, 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 0490F, 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.

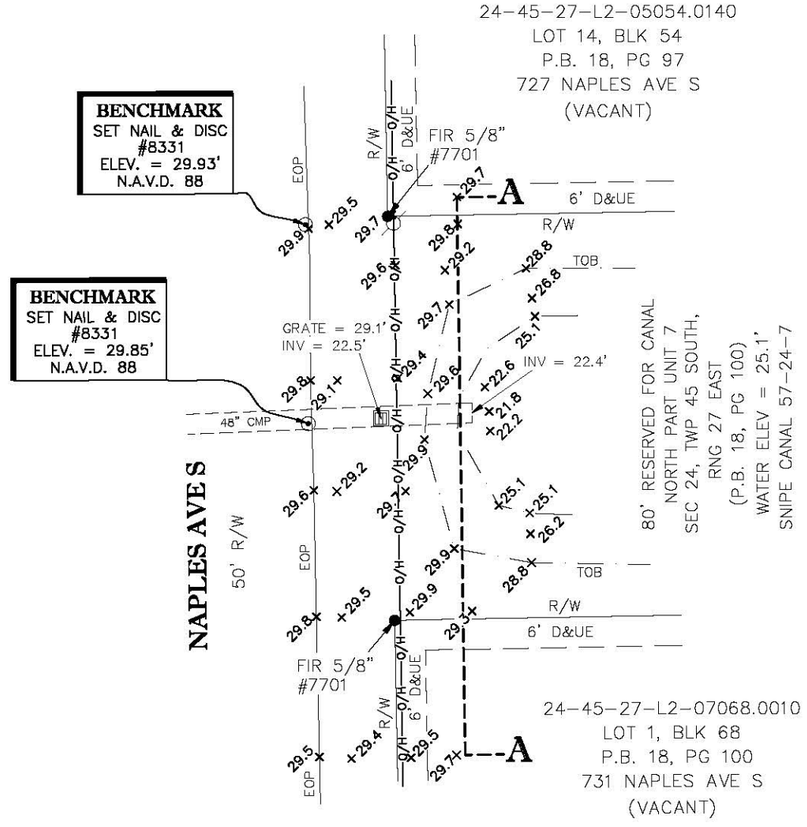
WETLANDS, IF ANY, WERE NOT LOCATED.

SUBJECT TO EASEMENTS, RESTRICTIONS, RESERVATIONS AND RIGHTS–OF–WAY (RECORDED AND UNRECORDED, WRITTEN AND UNWRITTEN).

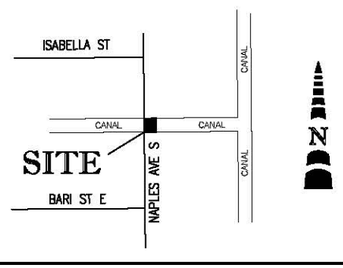
DATE OF LAST FIELD WORK: 2–13–2026.

LEGEND:

FIR = FOUND IRON ROD
N&D = NAIL AND DISC
ELEV = ELEVATION
P.B. = PLAT BOOK
PG = PAGE
TRAV = TRAVERSE
CONC = CONCRETE
D&UE = DRAINAGE & 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



VICINITY SKETCH
(NOT TO SCALE)



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.

Timothy L Mann
Digitally signed by Timothy L Mann
Date: 2026.02.23 11:13:54 -05'00'

BY: 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.

NAPLES 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:
15761SR.DWG	SEE FILE	15761	1 OF 1

SURVEY DATE:	DRAWN BY:	SCALE:	CHECKED BY:	FILE NO. (S–T–R)
2/18/26	BUD	1"= 30'	TLM	24–45–27

PLAT BOOK 10, PAGE 100

EAST PART OF UNIT 5

ISABELLA ST. E.

RESERVED FOR CANAL

BARI ST. E.

VENETIA ST. E.

MILANO AVE. S.

BIANCA AVE. S.

NINA AVE. S.

NAPLES AVE. S.

RESERVED FOR CANAL

NORTH PART OF UNIT 6

SOUTH PART OF UNIT 7

NORTH PART
PLAT OF UNIT 7
SECTION 24, 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 lots 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 24

A SUBDIVISION OF

LEHIGH ACRES

LEE COUNTY, FLORIDA

LEHIGH ACRES DEVELOPMENT CORPORATION

DEVELOPERS

DESCRIPTION

ALL OF SECTION 24, TOWNSHIP 45 SOUTH, RANGE 27 EAST, LEE COUNTY, FLORIDA.

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 SECTION 24, 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. THE SIX FOOT DRAINAGE EASEMENT ARE DEDICATED TO THE PERPETUAL USE OF THE PUBLIC

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 26th DAY OF November A.D. 1963

LEHIGH ACRES DEVELOPMENT CORPORATION

BY Gerald H. Gould
Pres.

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 26th DAY OF November A.D. 1963

[illegible]
NOTARY PUBLIC STATE OF FLORIDA AT LARGE
My Commission Expires _____

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 27th DAY OF November A.D. 1963 IN OPEN MEETING OF THE BOARD OF COUNTY COMMISSIONERS OF LEE COUNTY, FLORIDA

APPROVED Herman Hartinger
Chairman

Frank H. Pavese
County Attorney

D. F. Farabee
Clerk

[illegible]
County Engineer

334603

I HEREBY CERTIFY THAT THIS PLAT OF SECTION 24, 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 9 DAY OF January A.D. 1964, AND DULY RECORDED IN PLAT BOOK 18 ON PAGES 87-105 OF PUBLIC RECORDS OF LEE COUNTY, FLORIDA.

D. F. 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.

[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.

ALL LOTS SUBJECT TO A 6 FOOT UTILITY EASEMENT ON BOTH SIDES AND BACK, AND A 6 FOOT DRAINAGE EASEMENT ON FRONT AND SIDES OF LOTS ON 50 FOOT STREET RIGHTS OF WAY.

PART IV #26-60

Recommended Action

Engineering Review:

By: _____ 4/28/2026 **Approved _X_ Denied __**

District Field Review:

By: _____ Approved ___ Denied ___

District Manager: _____ Date: _____

Comments:

The referenced permit application for a boring under Snipe Canal at Naples Ave S, 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 #26-64, Comcast Bore under Sandhill Canal (57-2-7) at Sentinella Blvd.

Meeting Date: 18-May-26

Agenda Item # 2J

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

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

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

Recommended motion: Move to approve PER #26-64, Comcast Bore under Sandhill Canal (57-2-7) at Sentinella Blvd, with any listed stipulations.

What the action accomplishes: Allows Comcast Bore under Sandhill Canal (57-2-7) at Sentinella Blvd. while staying 10' under LA-MSID's Canal.

Fiscal Impact: Permit Fees: $3,000.00

Staff comments: Approved according to the revised plans submitted May 4, 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 18th day of May, 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 proposed bore under Plover Canal (57-11-4), along the north side of Butler St. E., between Broward Ave. & Bradley 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. 26-65

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 #26-65 is approved according to the revised plans submitted May 4th, 2026.

2). The proposed bore must maintain a minimum clearance of 10’ below the bottom elevation of the canal or the lowest pipe invert, whichever is lower, for the entire 80’ width of 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 underground vaults, pull boxes, cable cabinets, 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 survey record drawings, 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 Butler St. E.

PART I

DATE SUBMITTED: 04 - 20 - 26

PERMIT #: 26 - 64

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 #:** (904)769-9064

PROJECT NAME: JB0002333151_127 THORTON AVE S

TOTAL ACREAGE: 0.284 acres

Property Address	127 THORNTON AVE S				
Mailing Address:	NA				
City:	LEHIGH ACRES	**State:**	FL	**Zip:**	33974

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

0	3	-	4	5	-	2	7	-	L	2	-	0	3	0	0	8	-	0	1	8	0

Brief description of proposed project:

Application for: COMCAST PROPOSES TO PLACE 300' OF UG CABLE ALONG/ACROSS SENTINELA BOULEVARD AND SANDHILL CANAL TO SERVICE 127THORNTON AVE S.

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.

RECEIVED
APR 20 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* ☒ 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:	(904)	Number:	769-9064	Ext.	
Fax No.	Area Code:	( )	Number:	-		
E-mail Address:	jgeorge@truenetcommunications.com					

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.

Joanne George
SIGNATURE OF APPLICANT

Joanne George
PRINTED OR TYPED NAME OF APPLICANT

STATE OF FLORIDA
COUNTY OF LEE

The foregoing instrument was acknowledged before me this 16 day of April (m), 2026 (y), by Joanne 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

061014

~~LEHIGH ACRES MUNICIPAL SERVICE - IMPROVEMENT DISTRICT~~

DATE	INVOICE NO.	DESCRIPTION	INVOICE AMOUNT	DEDUCTION	BALANCE
4/12/2026	04132026	JB0002333151 - 210 AURORA AVE S	3,000.00		3,000.00

CHECK DATE		CHECK NUMBER		TOTALS			

PLEASE DETACH THIS PORTION AND RETAIN FOR YOUR RECORDS

DOCUMENT IS PRINTED ON CHEMICALLY REACTIVE PAPER - THE BACK OF THIS DOCUMENT INCLUDES A TAMPER EVIDENT CHEMICAL WASH WARNING BOX 9321

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

061014

Pay: **********three thousand and 00/100

DATE	CHECK NO.	AMOUNT
April 13, 2026	61014	$*****3,000.00

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

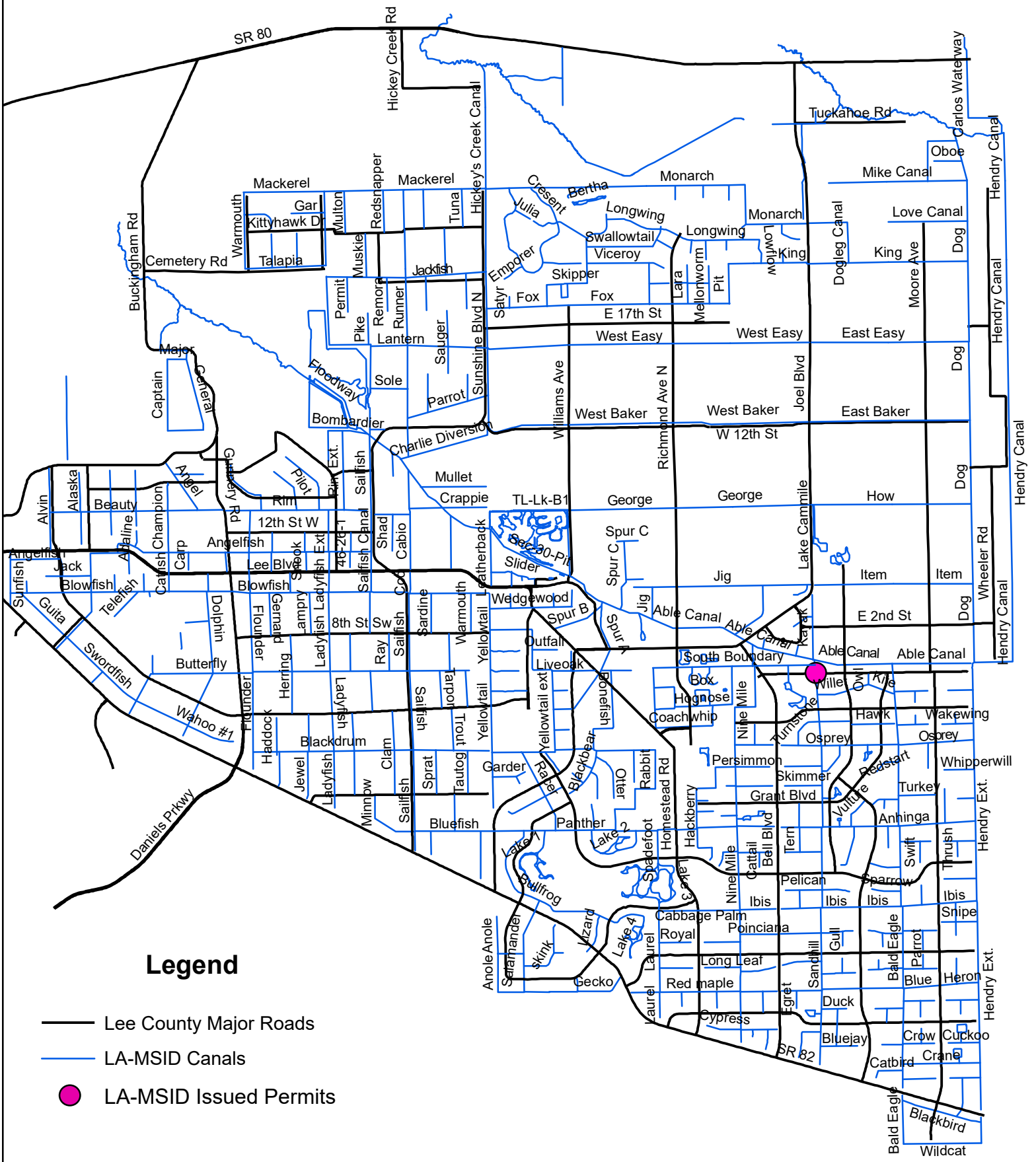
HEAT SENSITIVE COLOR FADES WITH HEAT

⑈061014⑈ ⑆121000358⑆ 001233592930⑈

#26-64

RECEIVED
APR 20 2026
LEHIGH ACRES
MUNICIPAL SERVICES
IMPROVEMENT DISTRICT

Permit # 2026-64



Legend

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

127 THORNTON AVE S
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.

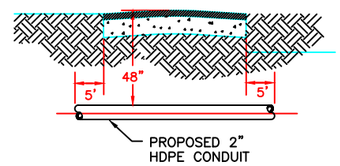


SITE MAP
SCALE: NONE

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:	300'
PROP. OH CATV:	0'
TOTAL PROP. CATV:	300' (0.06MI.)

MOT NOTES

TRAFFIC CONTROL SHALL COMPLY WITH FEDERAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND F.D.O.T. DESIGN STANDARD #NO. 600.

JB0002333151_147 THORNTON AVE S_ LAMSID

COMCAST
PROPRIETARY AND CONFIDENTIAL
12600 WESTLINKS DR., SUITE 4
FORT MYERS, FL 33913

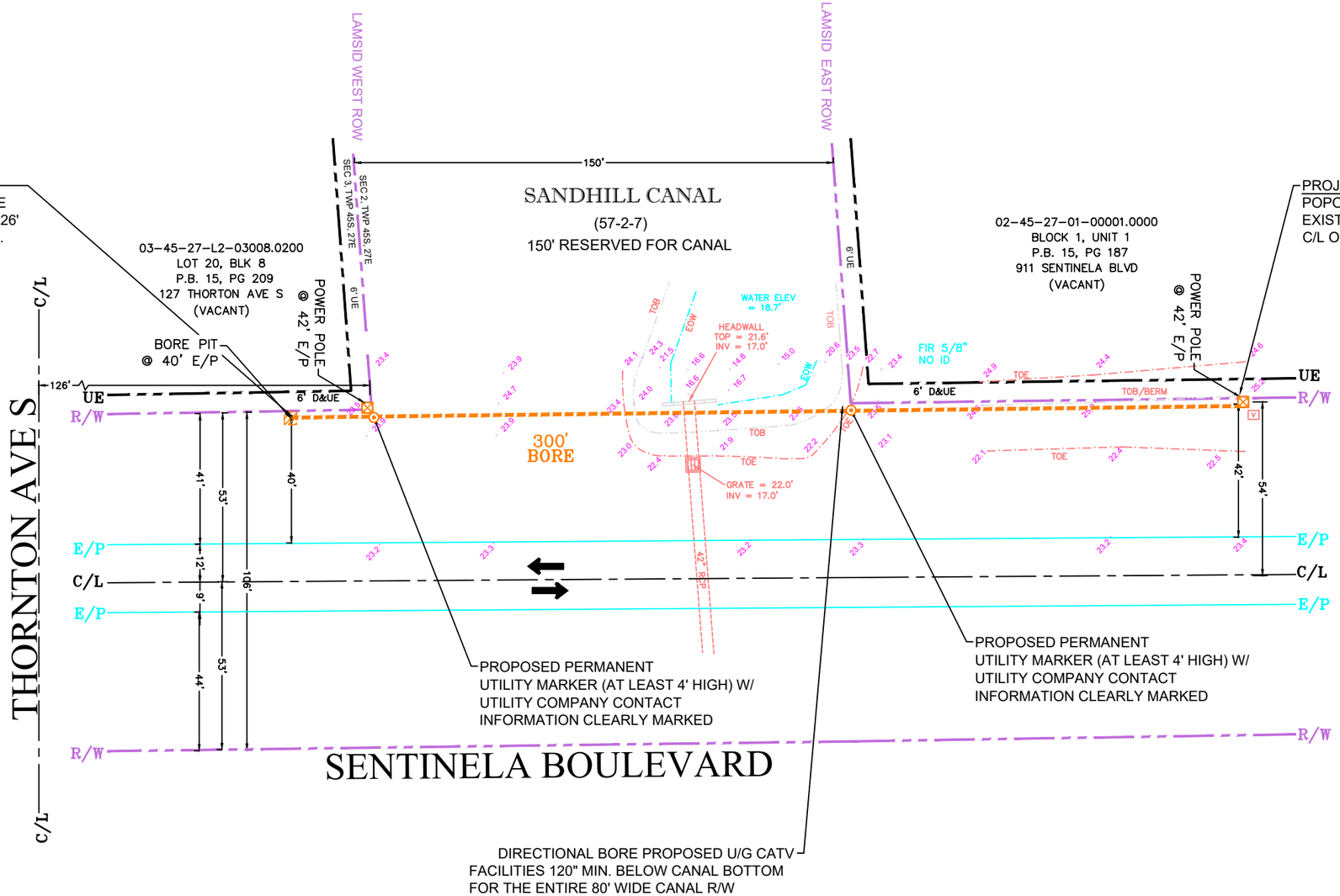
LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT
RIGHT-OF-WAY PERMIT

SUBJECT: PROPOSED U/G CATV FACILITIES ON SENTINELA BLVD.	**COUNTY:** LEE
	STATE: FLORIDA
	SHEET NO.: 1 OF 4
	DATE: 03/30/2026
CIFA: N/A	**MAP:** 26.598463, -81.597044
JB#: JB0002333151	**DRAFTED BY:** A. PERDOMO

127 THORNTON AVE S
LA-MSID PERMIT
PLAN VIEW

0 20' 40'

BINDING SPACE



CONSTRUCTION NOTE:
ALL BORE WORK WILL BE HORIZONTAL DIRECTIONAL DRILL, NOT UNGUIDED BORING.

JB0002333151_147 THORNTON AVE S_ 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 SENTINELA BLVD.	**COUNTY:** LEE
	STATE: FLORIDA
	SHEET NO.: 2 OF 4
	DATE: 03/30/2026
CIFA: N/A	**MAP:** 26.598463, -81.597044
JB#: JB0002333151	**DRAFTED BY:** A. PERDOMO

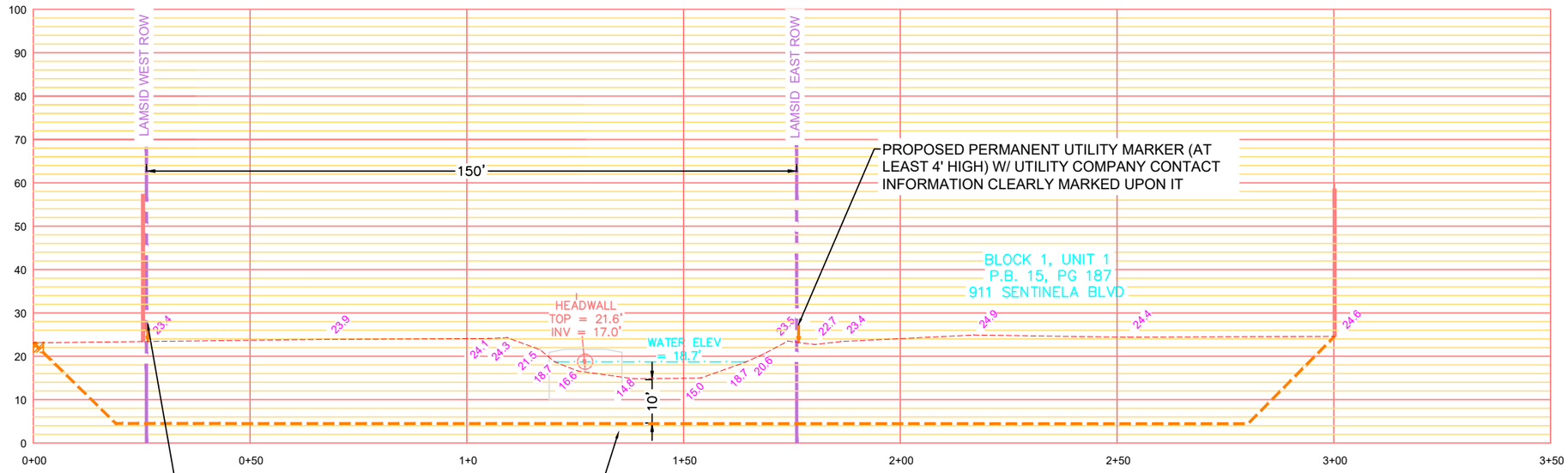
127 THORNTON AVE S
LA-MSID PERMIT
CROSS SECTION

BINDING SPACE

0 15' 30'

SANDHILL CANAL
(57-2-7)

150' RESERVED FOR CANAL



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 80' WIDE CANAL R/W

1" = 30' HORIZONTAL
1" = 30' VERTICAL

CONSTRUCTION NOTE:
BORE MUST BE 10' BELOW THE LOWEST PIPE INVERT OR THE CANAL BOTTOM, WHICHEVER IS LOWER, FOR THE ENTIRE 90' 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.

JB0002333151_147 THORNTON AVE S_ 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 SENTINELA BLVD.	**COUNTY:** LEE
	STATE: FLORIDA
	SHEET NO.: 3 OF 4
	DATE: 03/30/2026
CIFA: N/A	**MAP:** 26.598463, -81.597044
JB#: JB0002333151	**DRAFTED BY:** A. PERDOMO

BINDING SPACE

127 THORNTON AVE S
LA-MSID PERMIT
SITE PHOTOS



ROUTE LOOKING WEST

JB0002333151_147 THORNTON AVE S_ 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 SENTINELA BLVD.	**COUNTY:** LEE
	STATE: FLORIDA
	SHEET NO.: 4 OF 4
	DATE: 03/30/2026
CIFA: N/A	**MAP:** 26.598463, -81.597044
JB#: JB0002333151	**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.

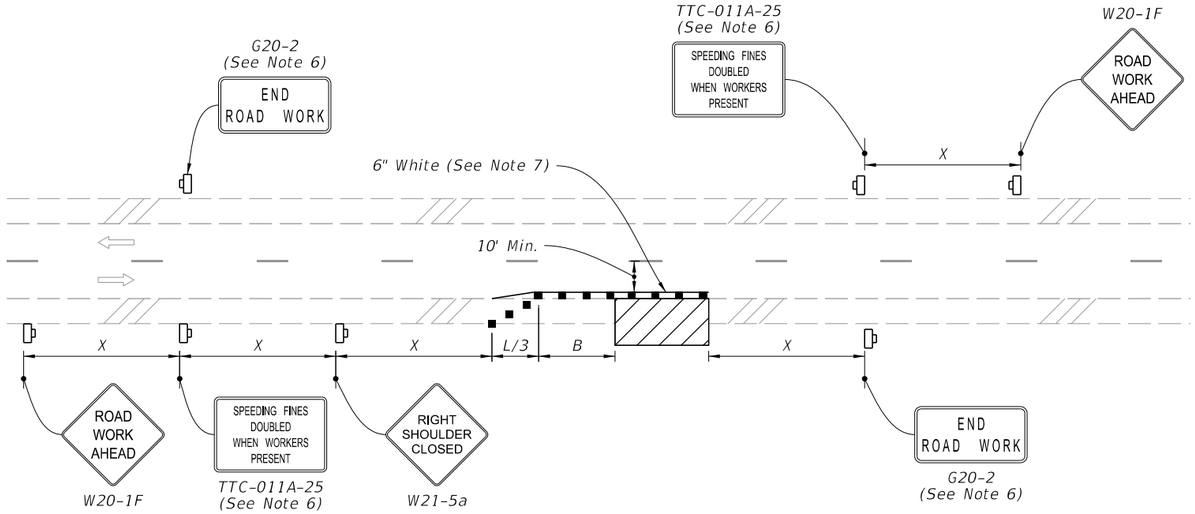
7. Temporary pavement markings may be omitted when the work operation is in place for 3 days or less.

8. Omit "Shoulder Closed" signs (W21-5a) along with associated work zone sign spacing distances for work on the median.

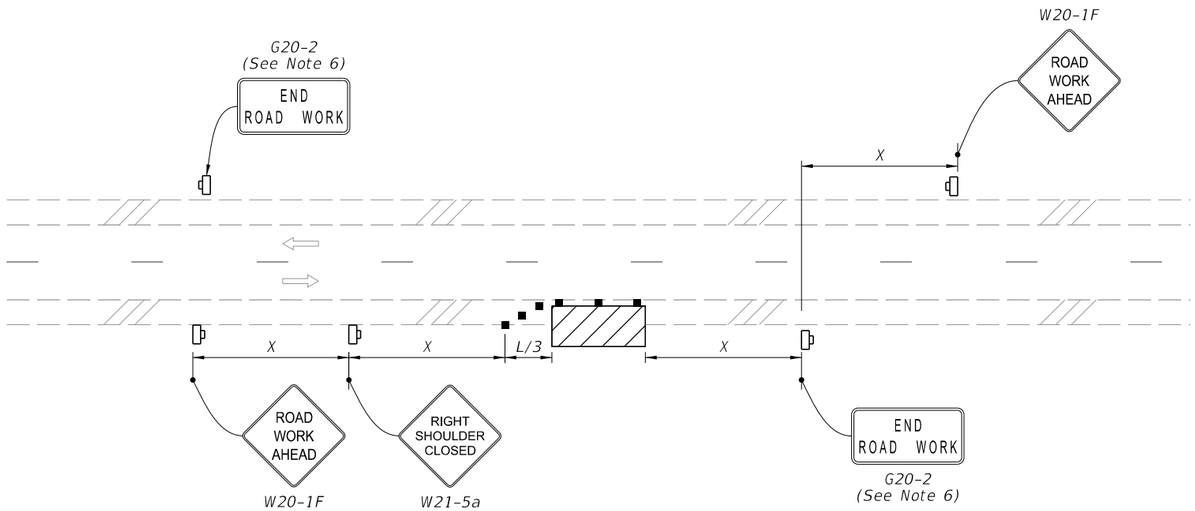
9. When there is no paved shoulder, the "Worker" sign (W21-1) may be used instead of the "Shoulder Closed" sign (W21-5a).

SYMBOLS:

- Work Area
- ■ Channelizing Device (See Index 102-600)
- Work Zone Sign
- Lane Identification and Direction of Traffic



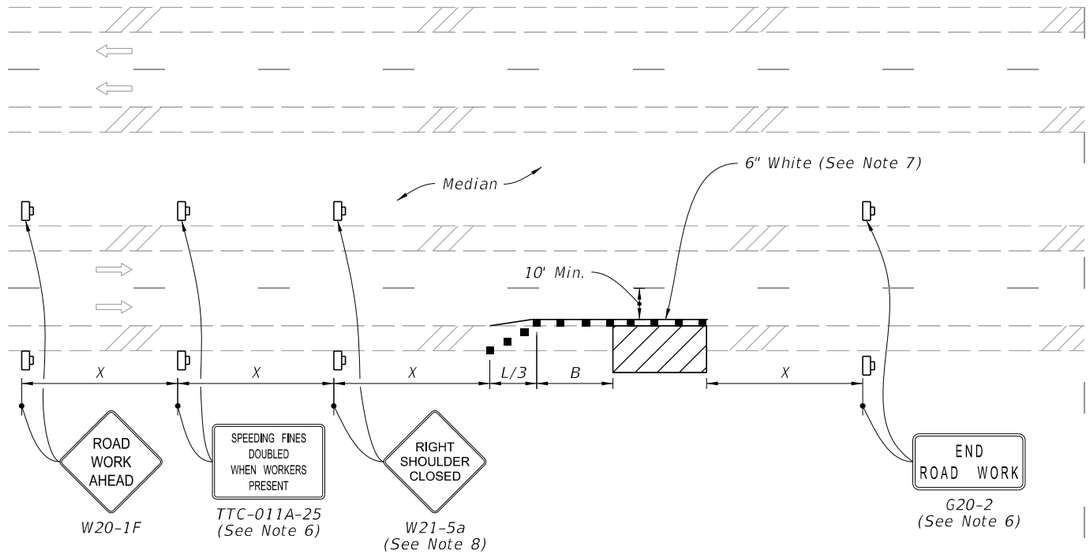
TWO-LANE ROADWAY
SHOULDER WORK LESS THAN 2' FROM THE TRAVELED WAY WITH WORK ZONE SPEED OF 45 MPH OR LESS



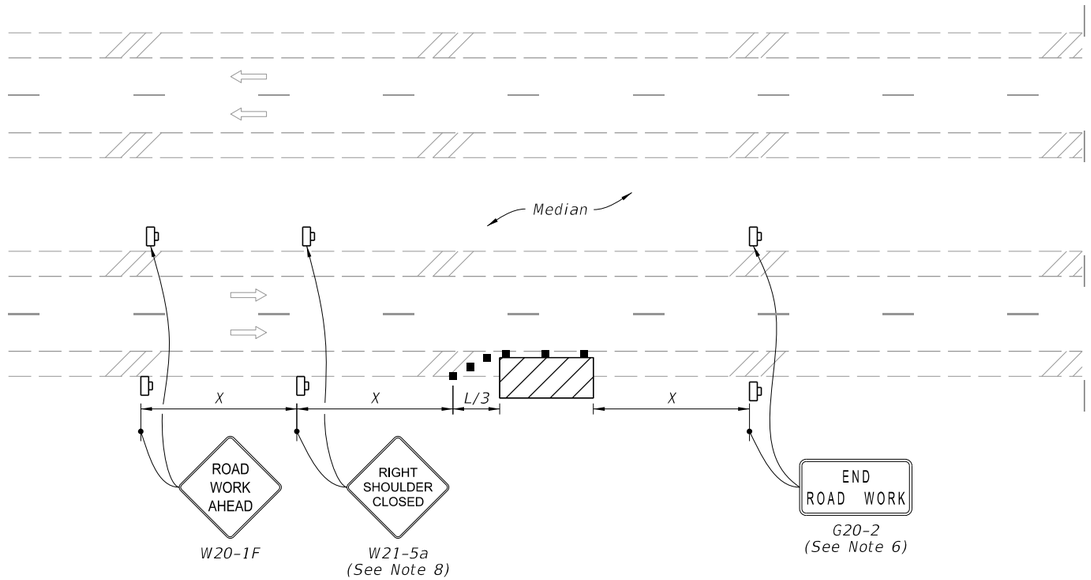
TWO-LANE ROADWAY
SHOULDER WORK BETWEEN 2' AND 15' FROM THE TRAVELED WAY

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

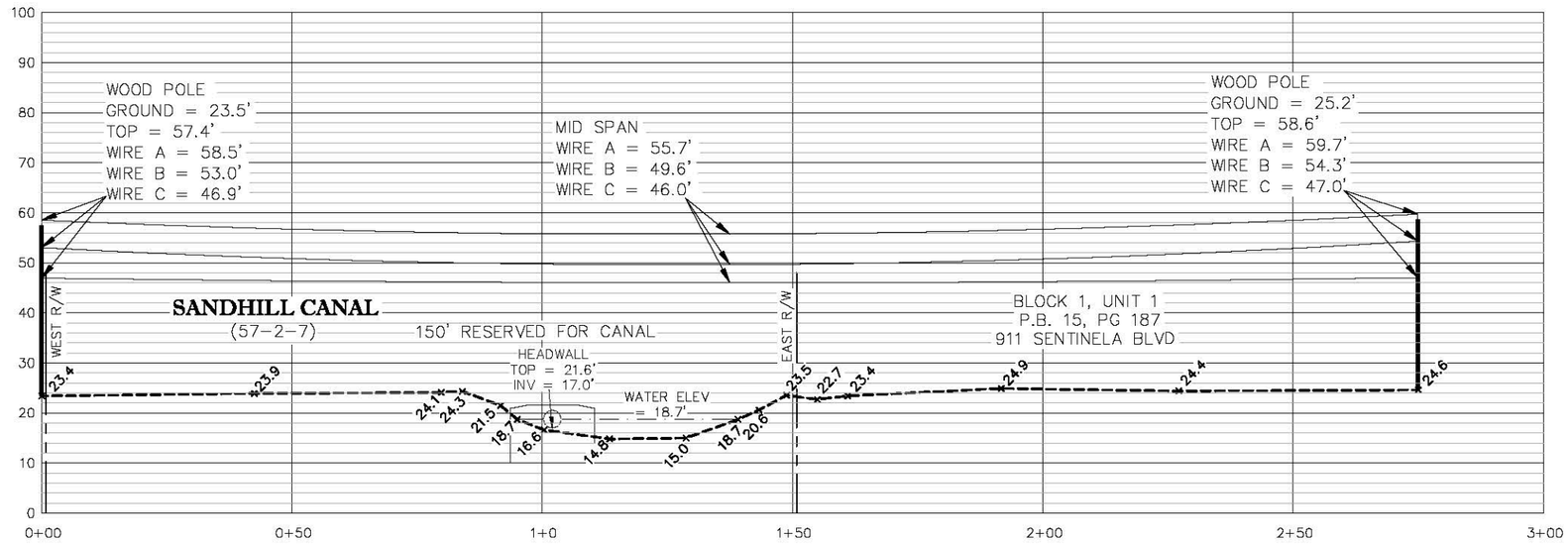
SYMBOLS:

- 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

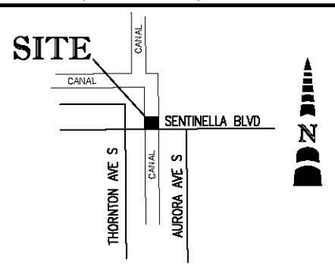
0 15' 30'
(1" = 30')
GRAPHIC SCALE



A-A PROFILE VIEW
1" = 30' HORIZONTAL
1" = 30' VERTICAL

NOTE:
SEE SHEET 2 OF 2 FOR
PLAN VIEW SHEET AND LEGEND

VICINITY SKETCH
(NOT TO SCALE)



ASBUILT SURVEY

OF A PARCEL OF LAND LYING IN SECTION 2, 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 15, PAGE 187 AND PLAT OF LEHIGH ACRES UNIT 3 AS RECORDED IN PLAT BOOK 15, PAGE 209, 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 NORTH OF SENTINELA BETWEEN THORNTON AVE S AND AURORA AVE S, 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, HAVING NO FLOOD ELEVATION PER INSURANCE RATE MAP 125124 0476F, HAVING AN EFFECTIVE DATE OF AUG 28, 2008.

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 L Mann
Digitally signed by Timothy L Mann
Date: 2026.03.26 13:14:58 -04'00'

BY: _____
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.

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.

SENTINELA BLVD, 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

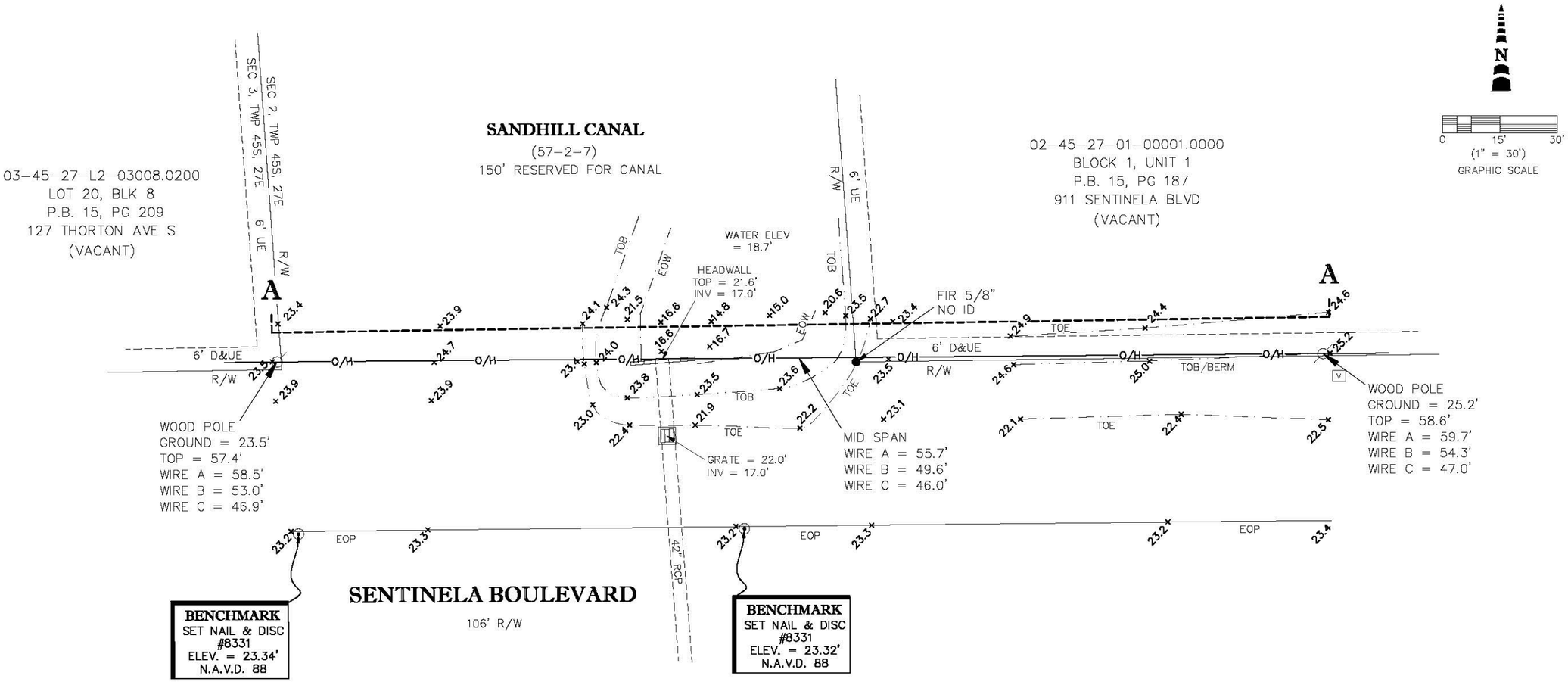
LB #8331

FILE NAME:	FIELD BOOK/PAGE:	PROJECT NO.:	SHEET:
15776SR.DWG	SEE FILE	15776	1 OF 2

SURVEY DATE:	DRAWN BY:	SCALE:	CHECKED BY:	FILE NO. (S-T-R)
3/25/2026	BUD	1"= 30'	TLM	02-45-27

ASBUILT SURVEY

OF A PARCEL OF LAND LYING IN
SECTION 2, TOWNSHIP 45 SOUTH, RANGE 27 EAST,
LEHIGH ACRES, LEE COUNTY, FLORIDA



LEGEND:

FIR = FOUND IRON ROD
N&D = NAIL AND DISC
ELEV = ELEVATION
P.B. = PLAT BOOK
PG = PAGE
TRAV = TRAVERSE
CONC = CONCRETE
D&UE = DRAINAGE & UTILITY EASEMENT
RCP = REINFORCED CONC 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
V = BURIED VAULT
= WOOD UTILITY POLE
+28.7' = SPOT ELEVATION
= CATCH BASIN
—O/H— = OVERHEAD UTILITY LINES

U.E. = UTILITY EASEMENT
SEC = SECTION
TWP = TOWNSHIP
RNG = RANGE

NOTE:
SEE SHEET 1 OF 2 FOR PROFILE AND NOTES

SENTINELA BLVD, LEHIGH ACRES

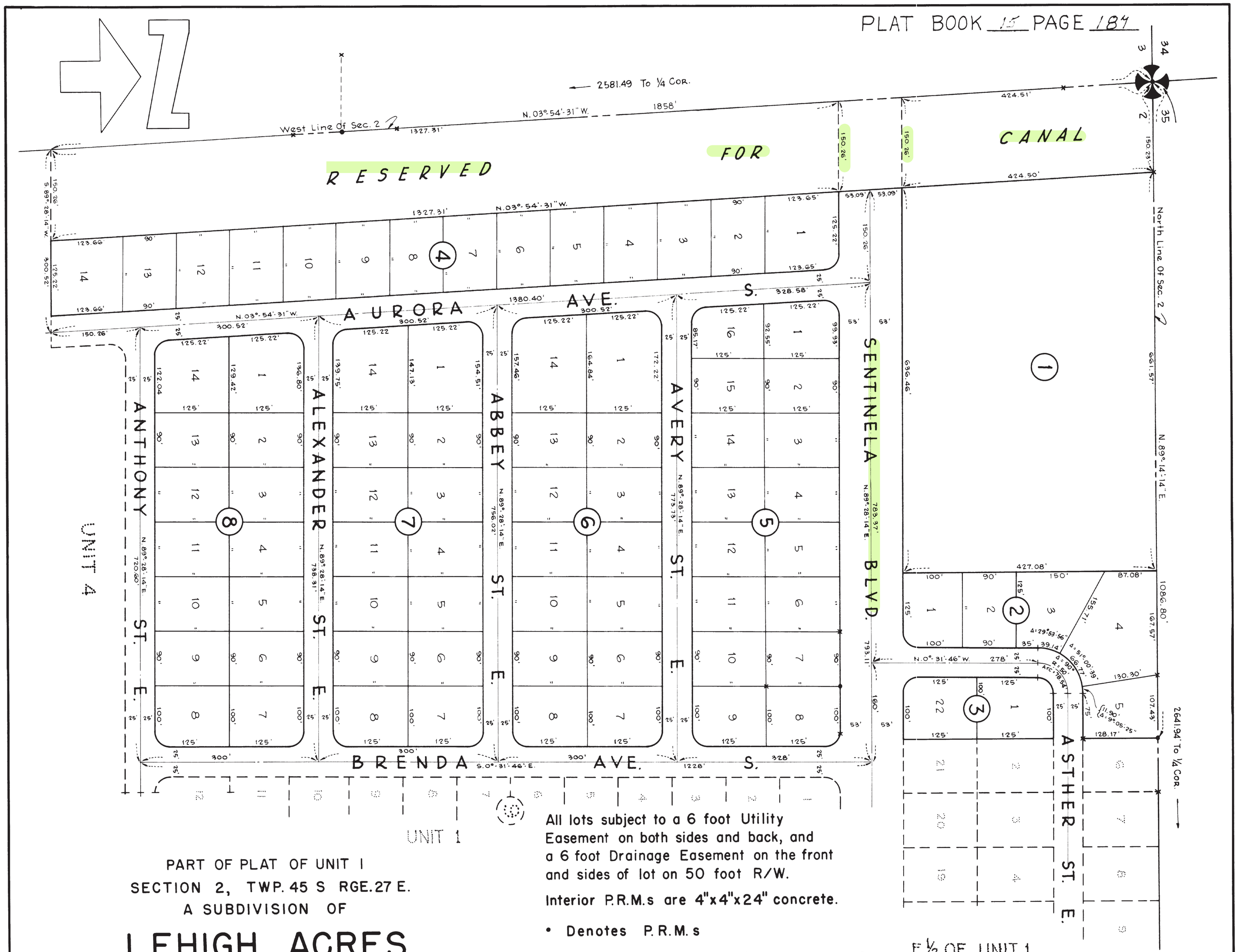
TITLE: ASBUILT SURVEY

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:
15776SR.DWG	SEE FILE	15776	2 OF 2

SURVEY DATE:	DRAWN BY:	SCALE:	CHECKED BY:	FILE NO. (S-T-R)
3/25/2026	BUD	1"= 30'	TLM	02-45-27

PLAT BOOK 15 PAGE 184



PART OF PLAT OF UNIT 1
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"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 are hereby dedicated to East County Water Control District.

x Witness Monument.

E½ OF UNIT 1

PART IV #26-64

Recommended Action

Engineering Review:

By: _____ 4/23/2026 **Approved _X_ Denied __**

District Field Review:

By: _____ **Approved ___ Denied ___**

District Manager: _____ **Date**: _____

Comments:

The referenced permit application for a boring under Sandhill Canal at 127 Thornton Ave S, 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 #26-65, Comcast Bore under Plover Canal (57-11-4) at Butler St. E.

Meeting Date: 18-May-26

Agenda Item # 2K

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

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

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

Recommended motion: Move to approve PER #26-65, Comcast Bore under Plover Canal (57-11-4) at Butler St. E., with any listed stipulations.

What the action accomplishes: Allows Comcast to bore under Plover Canal (57-11-4) at Butler St. E. while staying 10' under LA-MSID's Canal.

Fiscal Impact: Permit Fees: $1,950.00

Staff comments: Appproved according to the revised plans submitted May 4, 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 18th day of May, 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 proposed bore under Plover Canal (57-11-4), along the north side of Butler St. E., between Broward Ave. & Bradley 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. 26-65

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 #26-65 is approved according to the revised plans submitted May 4th, 2026.

2). The proposed bore must maintain a minimum clearance of 10’ below the bottom elevation of the canal or the lowest pipe invert, whichever is lower, for the entire 80’ width of 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 underground vaults, pull boxes, cable cabinets, 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 survey record drawings, 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 Butler St. E.

PART I

DATE SUBMITTED: 04 - 20 - 26

PERMIT #: 26 - 65

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: JB0002369658 - TK LEE1 EXT - FLLAT00600 - PH 1 - LAMSID - 5

TOTAL ACREAGE: 0.05

Property Address (STRAP associated with this address will be used as the primary STRAP for this project): 929 BUTLER 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 249' across Plover Canal
Starting west on Butler St E going east crossing Plover Canal to east on Butler St E

Is the project proposed to be developed in phases? ☐ Yes X 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	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.

Joanie 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 16 day of April (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

061011

LEHIGH ACRES MUNICIPAL SERVICE - IMPROVEMENT DISTRICT

DATE	INVOICE NO.	DESCRIPTION	INVOICE AMOUNT	DEDUCTION	BALANCE
4/12/2026	04132026 A	JB0002369658 - TKLEE1 FLLAT00600 LAMSID	1,950.00		1,950.00

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

ORIGINAL DOCUMENT HAS RED KEYHOLE ICON THAT DISAPPEARS WITH HEAT

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

061011

Pay: **********one thousand nine hundred fifty and 00/100

DATE	CHECK NO.	AMOUNT
April 13, 2026	61011	$*****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

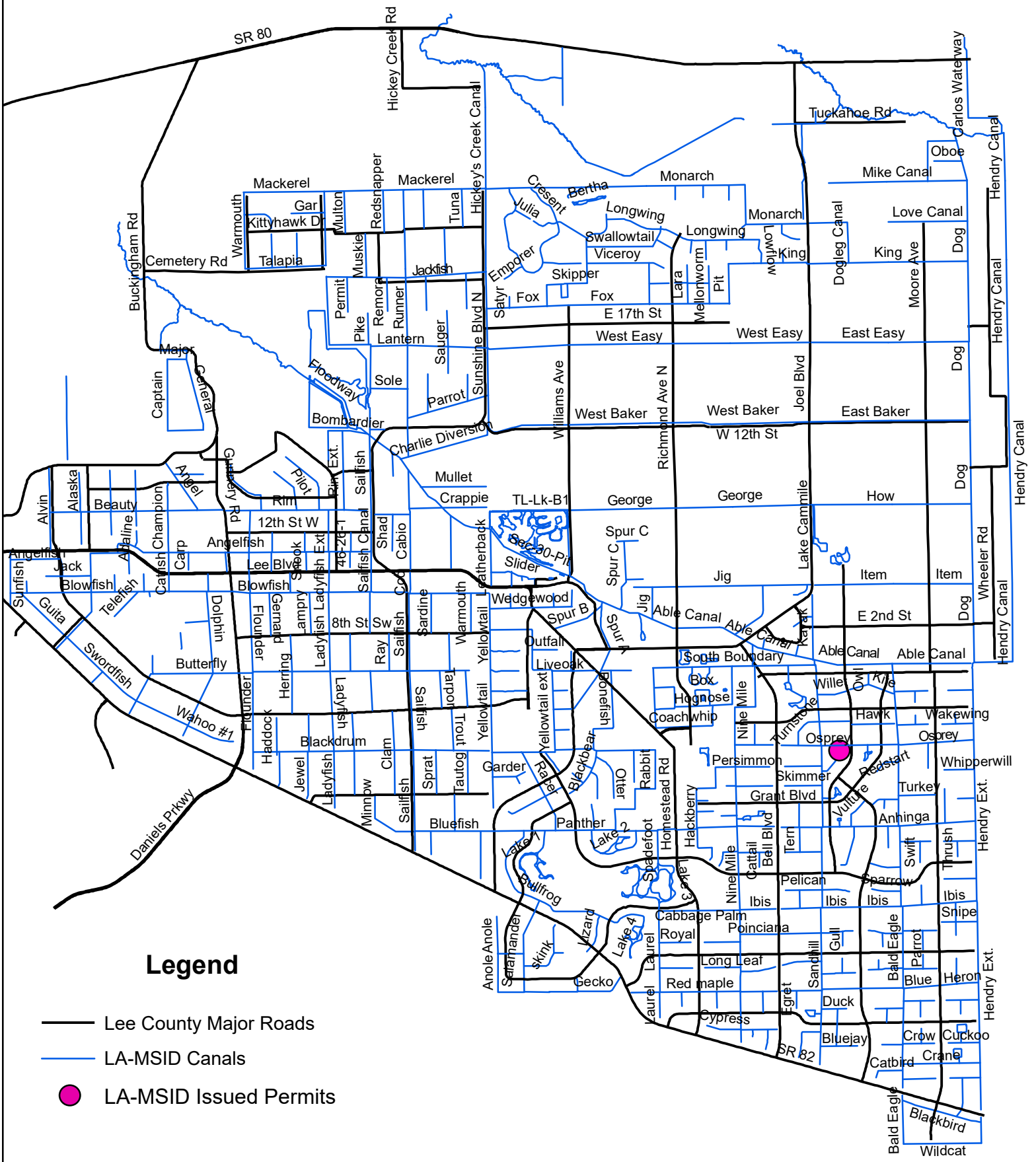
HEAT SENSITIVE COLOR FADES WITH HEAT

⑈061011⑈ ⑆121000358⑆ 00123592930⑈

#26-65

RECEIVED
APR 20 2026
LEHIGH ACRES
MUNICIPAL SERVICES
IMPROVEMENT DISTRICT

Permit # 2026-65



929 BUTLER ST E
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.

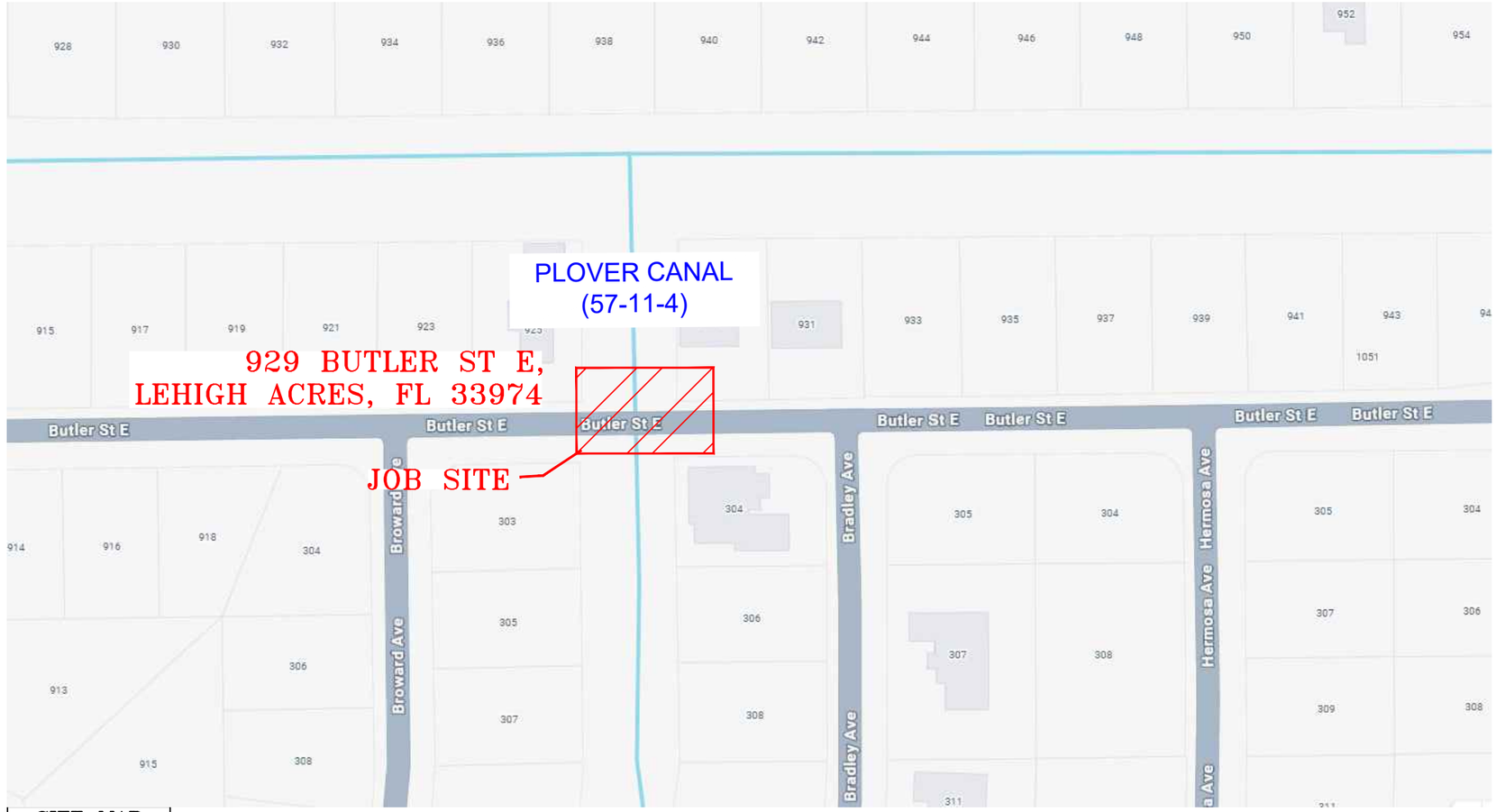
ALL WORK PERFORMED WITHIN THE DOT RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH DOT DESIGN STANDARDS, SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE UTILITY ACCOMODATION MANUAL, LATEST EDITIONS.

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.

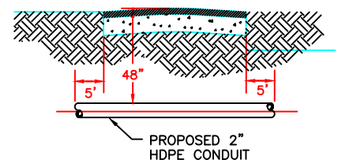
ALL CONCRETE SHALL BE 3,000 PSI. APPROVED DOT MIX DESIGN.



SITE MAP
SCALE: NONE

LEGEND

BORE	POWER POLE
SWALE/DITCH	POWER TRANSFORMER POLE
GUARD RAIL	JOINT USE TRANSFORMER POLE
GAS	PHONE POLE
PWR POWER	CATV POLE
U/G CATV	STEEL POLE
STLT STREET LIGHT	CONCRETE POLE
SD STORM DRAIN	JOINT USE POLE
SWR SEWER	RISER
TELE TELEPHONE	ANCHOR
TRAFFIC SIGNAL	OVERHEAD GUY
W WATER	CATV FIBER VAULT
MISC U/G UTILITY	TRAFFIC SIGNAL VAULT
PROPOSED U/G CATV	TRAFFIC SIGNAL POLE
PROPOSED AERIAL FIBER	TRAFFIC SIGNAL BOX
PROPOSED AERIAL CATV	CROSS SECTION REFERENCE
℄ CENTERLINE	XX' FTG BTWN REFERENCE POINTS
E/P EDGE OF PAVEMENT	REFERNCE POINT
B/C BACK OF CURB	STORM DRAIN
R/W RIGHT OF WAY	



TYPICAL DRIVEWAY
DIRECTIONAL BORE
N.T.S.

PROJECT TOTALS

PROP. BURIED CATV:	249'
PROP. OH CATV:	0'
TOTAL PROP. CATV:	249' (0.05MI.)

MOT NOTES

TRAFFIC CONTROL SHALL COMPLY WITH FEDERAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND F.D.O.T. DESIGN STANDARD #NO. 600.

JB0002369658_929 BUTLER ST E_ LAMSID

COMCAST
PROPRIETARY AND CONFIDENTIAL
12600 WESTLINKS DR., SUITE 4
FORT MYERS, FL 33913

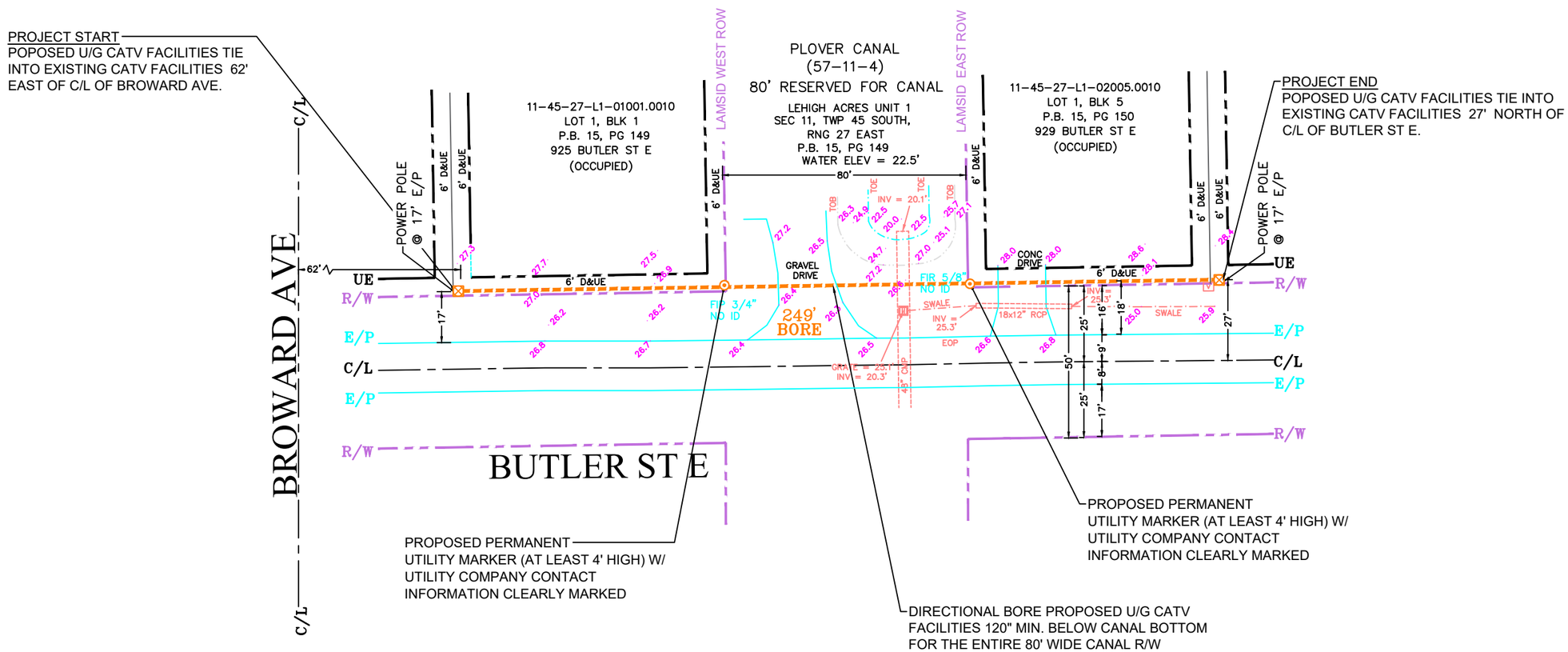
LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT
RIGHT-OF-WAY PERMIT

SUBJECT: PROPOSED U/G CATV FACILITIES ON BUTLER ST E.	**COUNTY:** LEE
	STATE: FLORIDA
	SHEET NO.: 1 OF 4
	DATE: 04/01/2026
CIFA: N/A	**MAP:** 26.584859, -81.592318
JB#: JB0002369658	**DRAFTED BY:** A. PERDOMO

929 BUTLER ST E
LA-MSID PERMIT
PLAN VIEW

0 20' 40'

BINDING SPACE



CONSTRUCTION NOTE:
ALL BORE WORK WILL BE HORIZONTAL DIRECTIONAL DRILL, NOT UNGUIDED BORING.

JB0002369658_929 BUTLER ST E_ LAMSID

COMCAST
PROPRIETARY AND CONFIDENTIAL
12600 WESTLINKS DR., SUITE 4
FORT MYERS, FL 33913

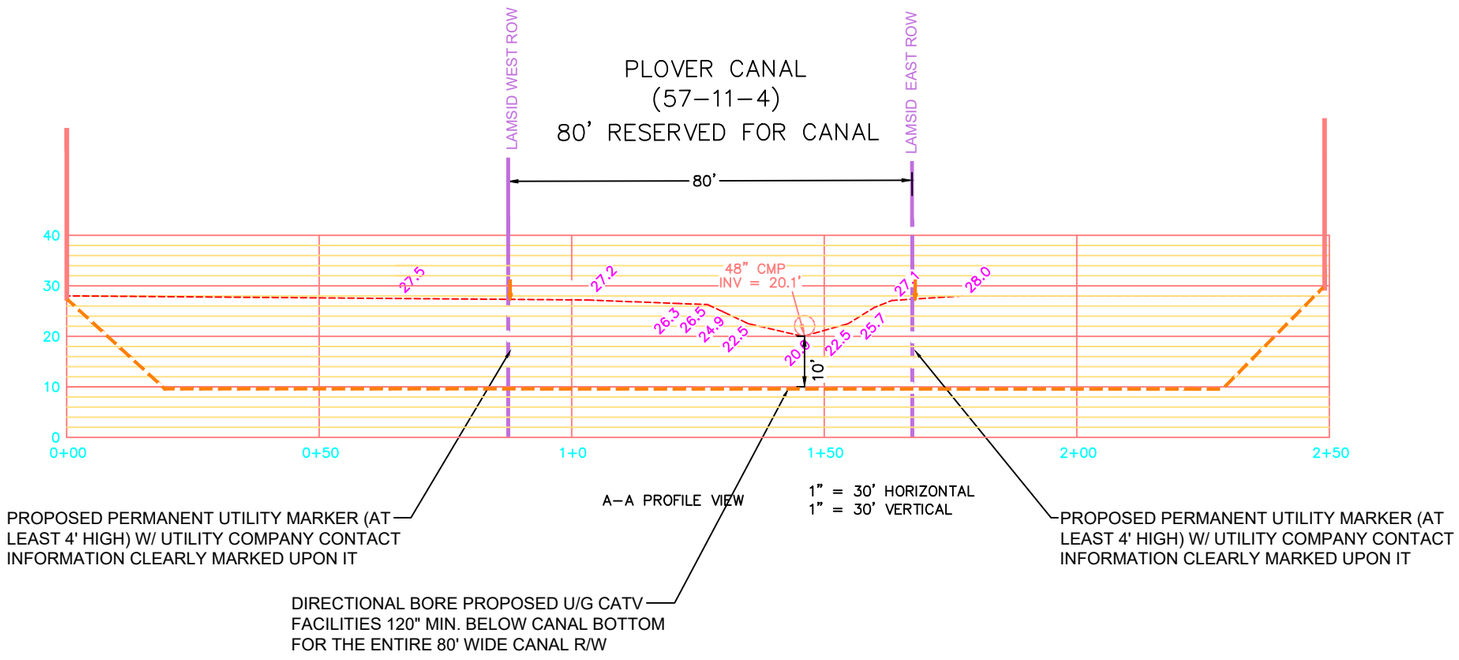
LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

RIGHT-OF-WAY PERMIT

SUBJECT: PROPOSED U/G CATV FACILITIES ON BUTLER ST E.	**COUNTY:** LEE
	STATE: FLORIDA
	SHEET NO.: 2 OF 4
	DATE: 04/01/2026
CIFA: N/A	**MAP:** 26.584859, -81.592318
JB#: JB0002369658	**DRAFTED BY:** A. PERDOMO

929 BUTLER ST E
LA–MSID PERMIT
CROSS SECTION

0 15’ 30’



A–A PROFILE VIEW

1” = 30’ HORIZONTAL
1” = 30’ VERTICAL

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 80' 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 90' 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

JB0002369658_929 BUTLER 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 BUTLER ST E.	**COUNTY:** LEE
	STATE: FLORIDA
	SHEET NO.: 3 OF 4
	DATE: 04/01/2026
CIFA: N/A	**MAP:** 26.584859, –81.592318
JB#: JB0002369658	**DRAFTED BY:** A. PERDOMO

BINDING SPACE

929 BUTLER ST E
LA-MSID PERMIT
SITE PHOTOS





JB0002369658_929 BUTLER 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 BUTLER ST E.	**COUNTY:** LEE
	STATE: FLORIDA
	SHEET NO.: 4 OF 4
	DATE: 04/01/2026
CIFA: N/A	**MAP:** 26.584859, -81.592318
JB#: JB0002369658	**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.

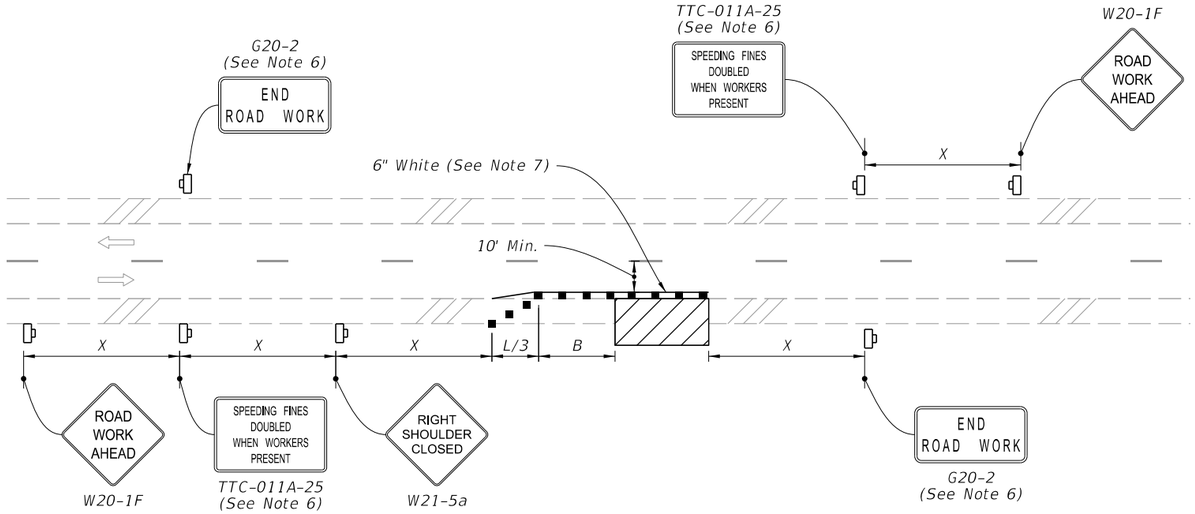
7. Temporary pavement markings may be omitted when the work operation is in place for 3 days or less.

8. Omit "Shoulder Closed" signs (W21-5a) along with associated work zone sign spacing distances for work on the median.

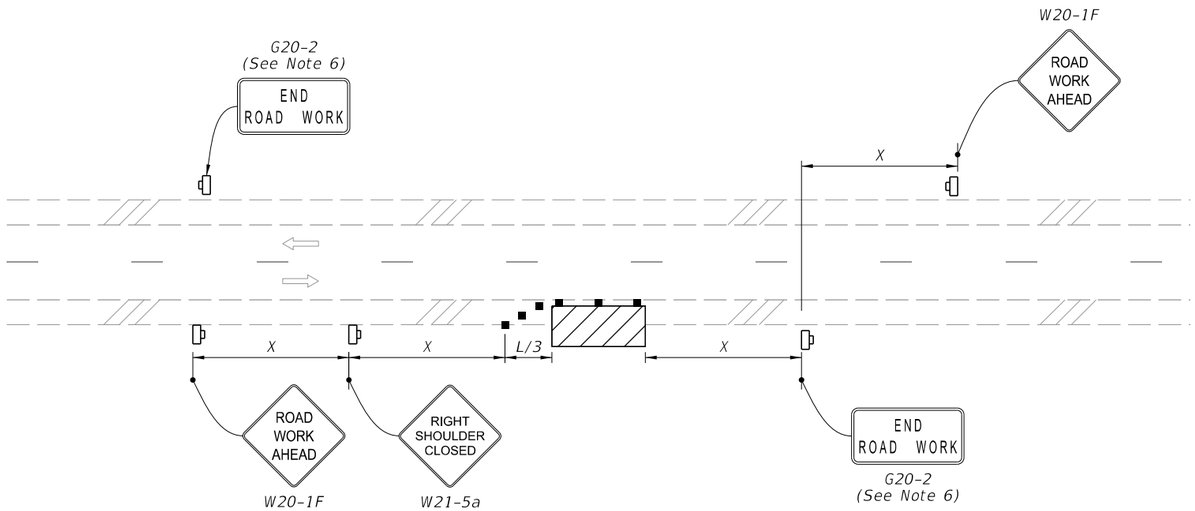
9. When there is no paved shoulder, the "Worker" sign (W21-1) may be used instead of the "Shoulder Closed" sign (W21-5a).

SYMBOLS:

- Work Area
- ■ Channelizing Device (See Index 102-600)
- Work Zone Sign
- Lane Identification and Direction of Traffic



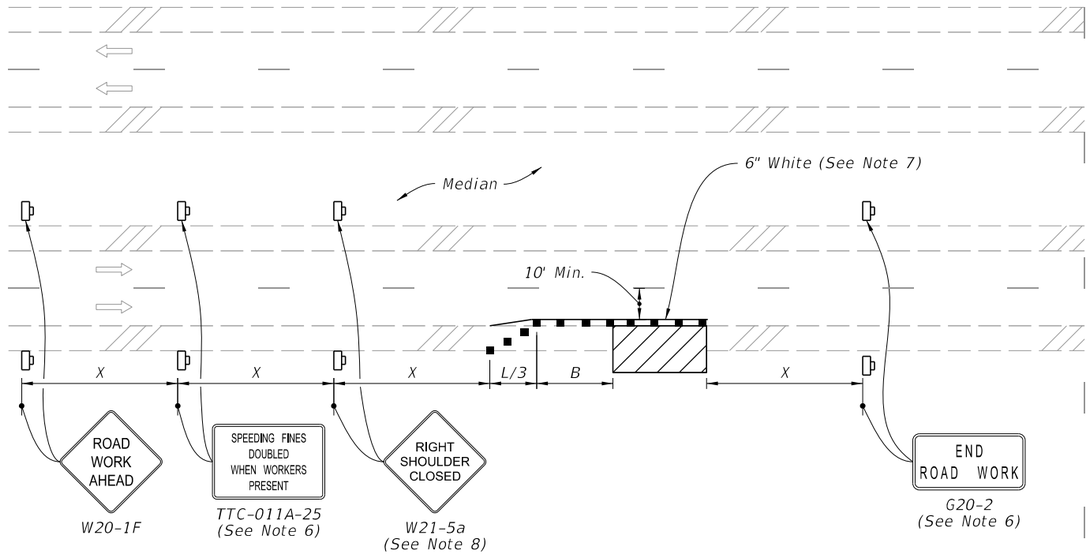
TWO-LANE ROADWAY
SHOULDER WORK LESS THAN 2' FROM THE TRAVELED WAY WITH WORK ZONE SPEED OF 45 MPH OR LESS



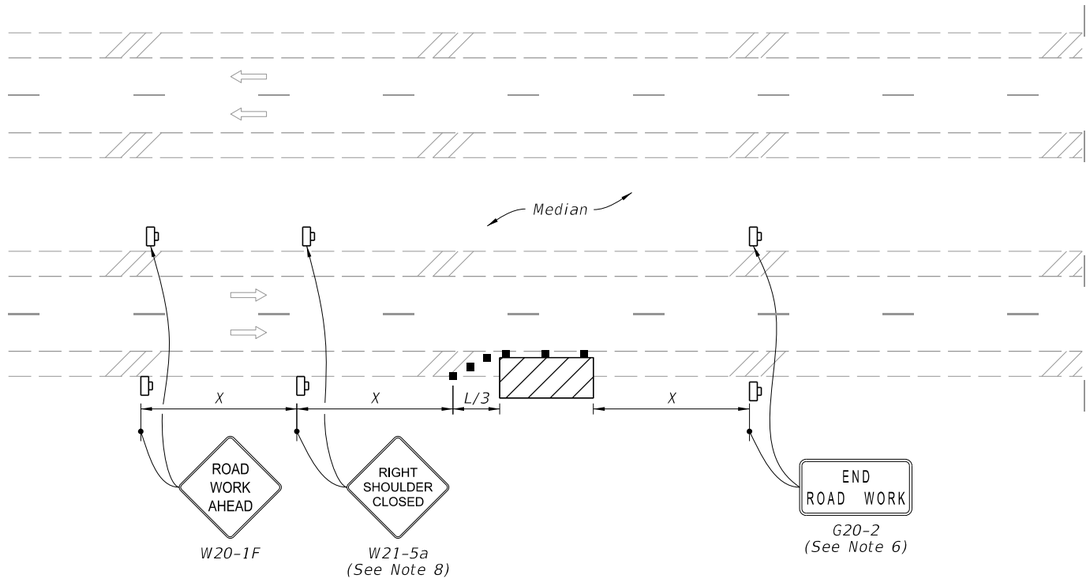
TWO-LANE ROADWAY
SHOULDER WORK BETWEEN 2' AND 15' FROM THE TRAVELED WAY

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



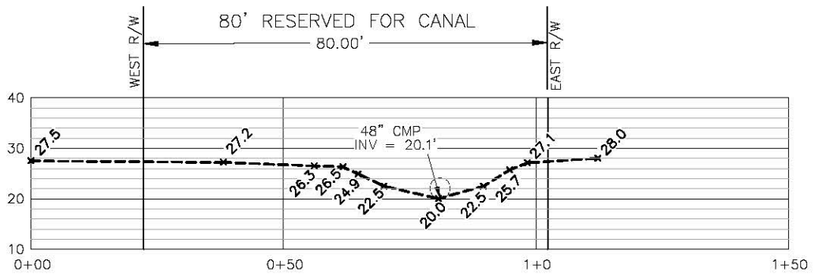
MULTILANE ROADWAY
SHOULDER WORK BETWEEN 2' AND 15' FROM THE TRAVELED WAY

SYMBOLS:

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Lane Identification and Direction of Traffic

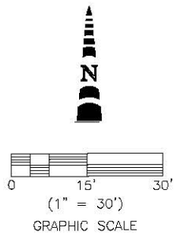
10/14/2025 9:34:21 AM

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



ASBUILT SURVEY

OF A PARCEL OF LAND LYING IN SECTION 11, TOWNSHIP 45 SOUTH, RANGE 27 EAST, LEHIGH ACRES, LEE COUNTY, FLORIDA

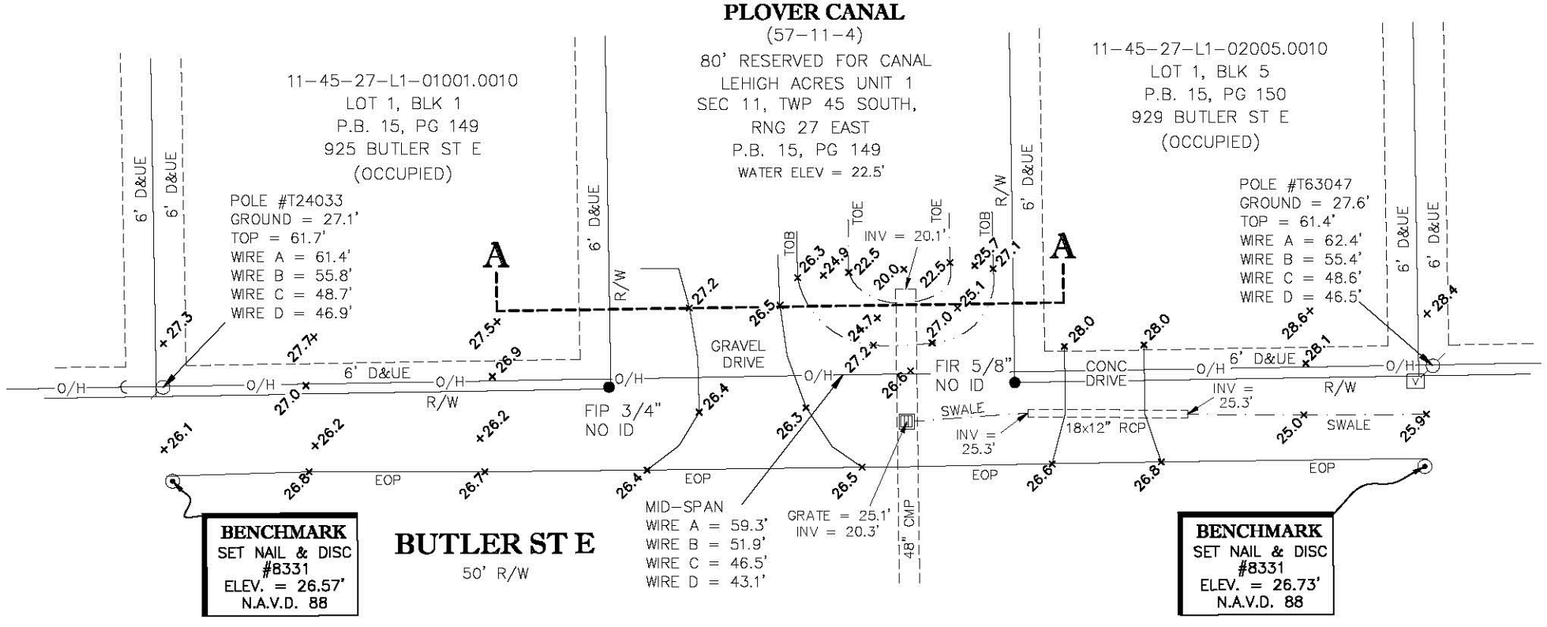
PLOVER CANAL
(57–11–4)
80' RESERVED FOR CANAL
LEHIGH ACRES UNIT 1
SEC 11, TWP 45 SOUTH,
RNG 27 EAST
P.B. 15, PG 149
WATER ELEV = 22.5'

11–45–27–L1–01001.0010
LOT 1, BLK 1
P.B. 15, PG 149
925 BUTLER ST E
(OCCUPIED)

POLE #T24033
GROUND = 27.1'
TOP = 61.7'
WIRE A = 61.4'
WIRE B = 55.8'
WIRE C = 48.7'
WIRE D = 46.9'

11–45–27–L1–02005.0010
LOT 1, BLK 5
P.B. 15, PG 150
929 BUTLER ST E
(OCCUPIED)

POLE #T63047
GROUND = 27.6'
TOP = 61.4'
WIRE A = 62.4'
WIRE B = 55.4'
WIRE C = 48.6'
WIRE D = 46.5'



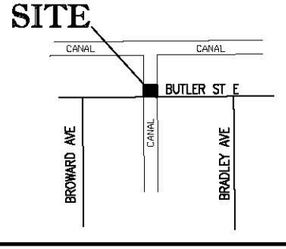
BENCHMARK
SET NAIL & DISC
#8331
ELEV. = 26.57'
N.A.V.D. 88

BUTLER ST E
50' R/W

BENCHMARK
SET NAIL & DISC
#8331
ELEV. = 26.73'
N.A.V.D. 88

NOTE: TOP WIRES ARE POWER LINES, THE BOTTOM 2 WIRES APPEAR TO BE COMMUNICATION WIRES (CABLE TV/TELEPHONE).

VICINITY SKETCH
(NOT TO SCALE)



LEGEND:

FIP = FOUND IRON PIPE
FIR = FOUND IRON ROD
N&D = NAIL AND DISC
ELEV = ELEVATION
P.B. = PLAT BOOK
PG = PAGE
CONC = CONCRETE
D&UE = DRAINAGE & UTILITY EASEMENT
CMP = CORRUGATED METAL PIPE
RCP = REINFORCED CONC 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
[V] = BURIED VAULT
+28.7' = SPOT ELEVATION
[▥] = CATCH BASIN
—O/H— = OVERHEAD UTILITY LINES
—→ = GUY WIRE ANCHOR

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, SEC 11, TWP 45S, RNG 27E AS RECORDED IN PLAT BOOK 15, PAGE 149 AND PLAT OF LEHIGH ACRES UNIT 2, SEC 11, TWP 45S, RNG 27E AS RECORDED IN PLAT BOOK 15, PAGE 150, 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 NORTH OF BUTLER ST EAST BETWEEN BROWARD AVE AND BRADLEY AVE, 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: 3–04–2026.

Timothy L Mann

Digitally signed by Timothy L Mann
Date: 2026.03.24 08:17:12 -04'00'

BY: _____
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.

BUTLER ST EAST, 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:
15773SR.DWG	SEE FILE	15773	1 OF 1

SURVEY DATE:	DRAWN BY:	SCALE:	CHECKED BY:	FILE NO. (S–T–R)
3/20/26	BUD	1"= 30'	TLM	11–45–27

PLAT BOOK 15 PAGE 149

PLAT OF UNIT 1
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 OF FOR BEGIN 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 Notary Public, State of Florida at Large
My Commission Expires July 19, 1964
Bonded by Appointment Security Co.

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. 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. 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

L. V. Lamme
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 #26-65

Recommended Action

Engineering Review:

By: _____ 4/23/2026 **Approved _X_ Denied __**

District Field Review:

By: _____ **Approved ___ Denied ___**

District Manager: _____ **Date**: _____

Comments:

The referenced permit application for a boring under Plover Canal at 929 Butler 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 #26-66, Comcast Bore under Bald Eagle Canal (57-36-2) at SR 82

Meeting Date: 18-May-26

Agenda Item # 2L

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

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

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

Recommended motion: Move to approve PER #26-66, Comcast Bore under Bald Eagle Canal (57-36-2) at SR 82, with any listed stipulations.

What the action accomplishes: Allows Comcast to bore under Bald Eagle Canal (57-36-2) at SR 82 while staying 10' under LA-MSID's Canal.

Fiscal Impact: Permit Fees: $3,000.00

Staff comments: Approved according to the revised plans submitted May 4, 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 18th day of May, 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 proposed bore under Bald Eagle Canal (57-36-2), along the south side of SR 82, between Wildcat Drive & 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. 26-66

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 #26-66 is approved according to the revised plans submitted May 4th, 2026.

2). The proposed bore must maintain a minimum clearance of 10’ below the bottom elevation of the canal or the lowest pipe invert, whichever is lower, for the entire 150’ width of 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 underground vaults, pull boxes, cable cabinets, 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 survey record drawings, 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). FDOT must review and approve the utility work that is outside of the canal right of way along SR 82.

PART I

DATE SUBMITTED: 04 - 20 - 26

PERMIT #: 26 - 66

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: JB0002378710 - TK LEE1 EXT - FLLAT00H00 - PH 1 - LAMSID - 4

TOTAL ACREAGE: 0.05

Property Address (STRAP associated with this address will be used as the primary STRAP for this project): 22500 FL-82					
Mailing Address:	**NA**				
City:	**FORT MYERS**	**State:**	**FL**	**Zip:**	**33913**

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

26		44		26		L2		08050		0070									

Brief description of proposed project:

Application for: Comcast proposes to bore 243' across Bald Eagle Canal
Starting west on Wildcat Drive going east crossing Bald Eagle Canal to east of Wildcat Drive

Is the project proposed to be developed in phases? ☐ Yes X 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.

RECEIVED
APR 20 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.

Joanie 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 16 day of April (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.

061015

LEHIGH ACRES MUNICIPAL SERVICE - IMPROVEMENT DISTRICT

DATE	INVOICE NO.	DESCRIPTION	INVOICE AMOUNT	DEDUCTION	BALANCE
4/12/2026	04132026 B	JB0002378710 - TKLEE1 FLLATOOHOO LAMSID	3,000.00		3,000.00

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

ORIGINAL DOCUMENT HAS RED KEYHOLE ICON THAT DISAPPEARS WITH HEAT

061015

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: **********three thousand and 00/100

DATE	CHECK NO.	AMOUNT
April 13, 2026	61015	$*****3,000.00

PAY TO THE ORDER OF

LEHIGH ACRES MUNICIPAL SERVICE - IMPROVEMENT DISTRICT
601 EAST COUNTY LANE
LEHIGH ACRES FL 33936

VOID AFTER 90 DAYS

HEAT SENSITIVE COLOR FADES WITH HEAT

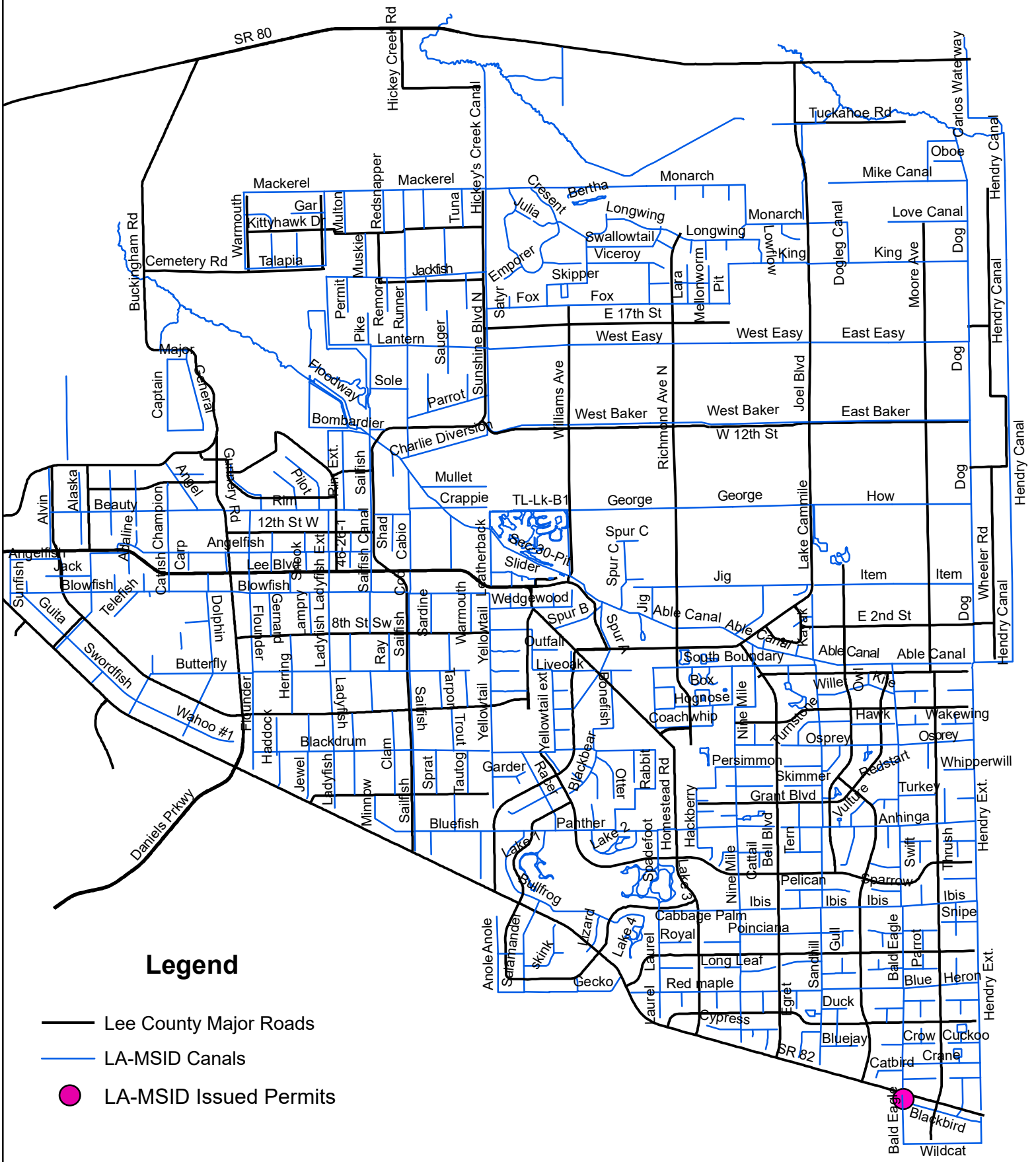
AUTHORIZED SIGNATURE

⑈061015⑈ ⑆121000358⑆ 001233592930⑈

#26-66

RECEIVED
APR 20 2026
LEHIGH ACRES
MUNICIPAL SERVICES
IMPROVEMENT DISTRICT

Permit # 2026-66



Legend

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

22500 FL-82
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.

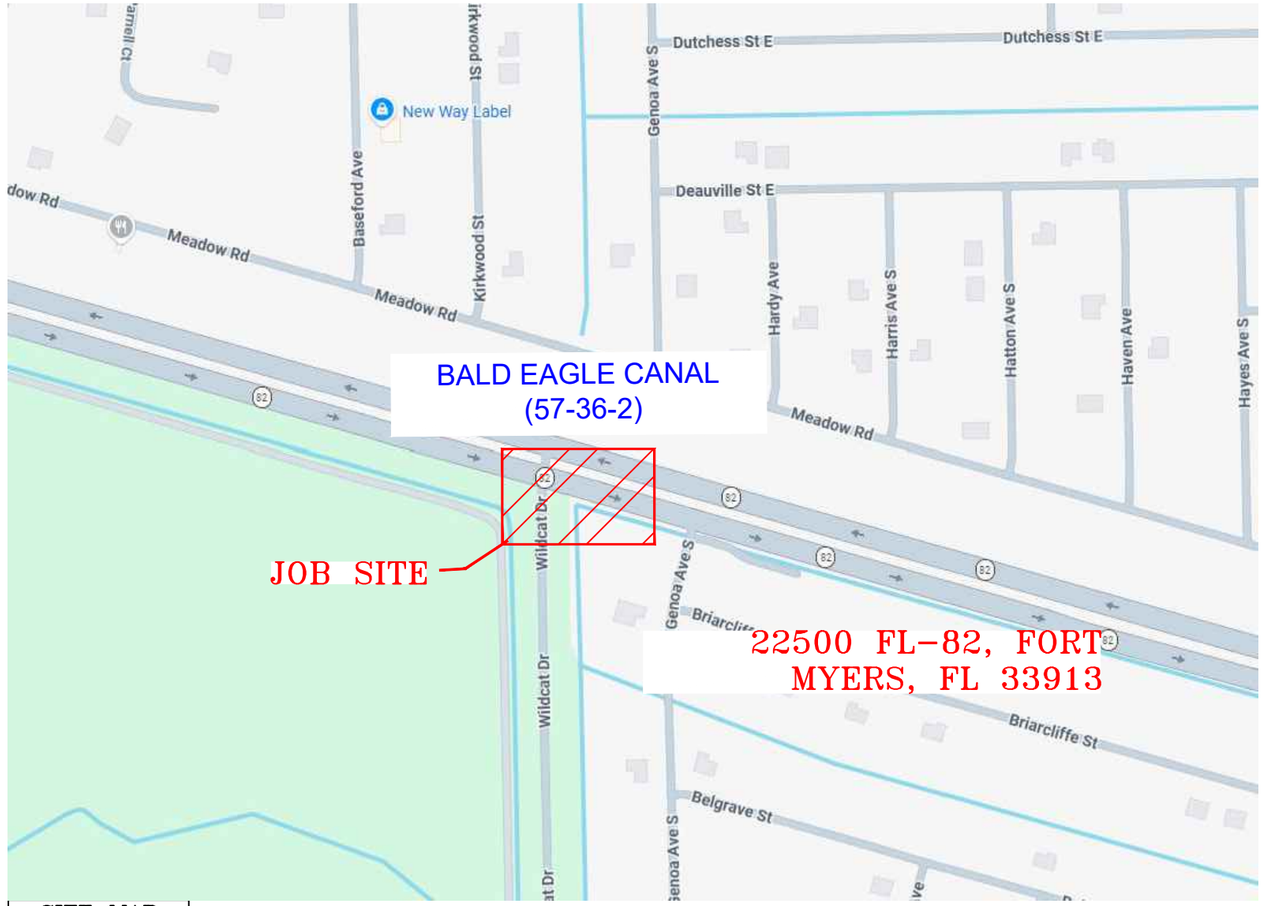
ALL WORK PERFORMED WITHIN THE DOT RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH DOT DESIGN STANDARDS, SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE UTILITY ACCOMODATION MANUAL, LATEST EDITIONS.

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.

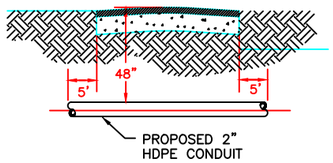


SITE MAP
SCALE: NONE

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:	243'
PROP. OH CATV:	0'
TOTAL PROP. CATV:	243' (0.05MI.)

MOT NOTES

TRAFFIC CONTROL SHALL COMPLY WITH FEDERAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND F.D.O.T. DESIGN STANDARD #NO. 600.

JB0002378710_22500 STATE RD 82_ 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 FL-82.

CIFA: N/A

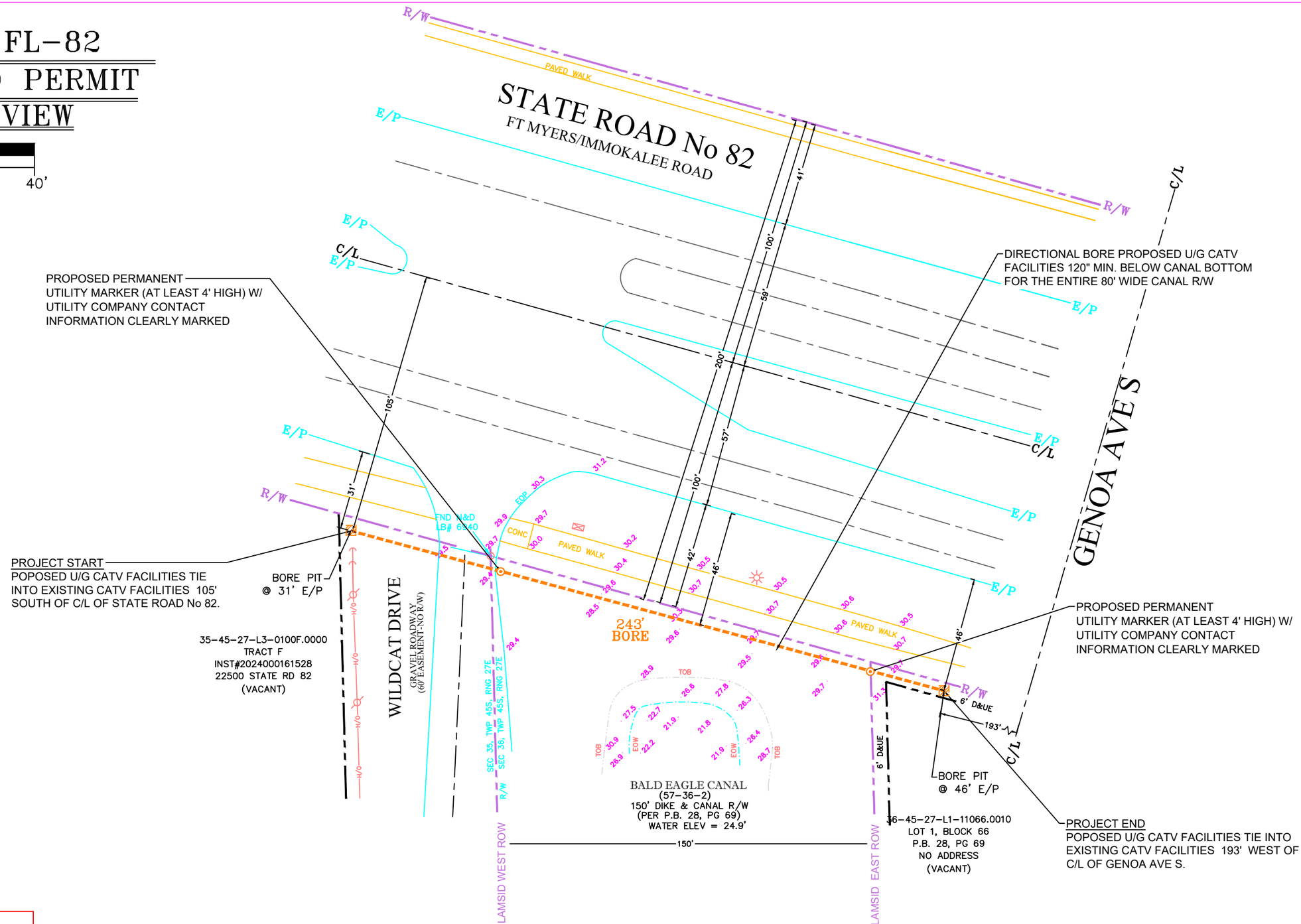
JB#: JB0002378710

COUNTY: LEE
STATE: FLORIDA
SHEET NO.: 1 OF 4
DATE: 04/02/2026
MAP: 26.522421, -81.579905
DRAFTED BY: A. PERDOMO

22500 FL-82
LA-MSID PERMIT
PLAN VIEW

0 20' 40'

BINDING SPACE



CONSTRUCTION NOTE:
ALL BORE WORK WILL BE HORIZONTAL DIRECTIONAL DRILL, NOT UNGUIDED BORING.

JB0002378710_22500 STATE RD 82_ LAMSID

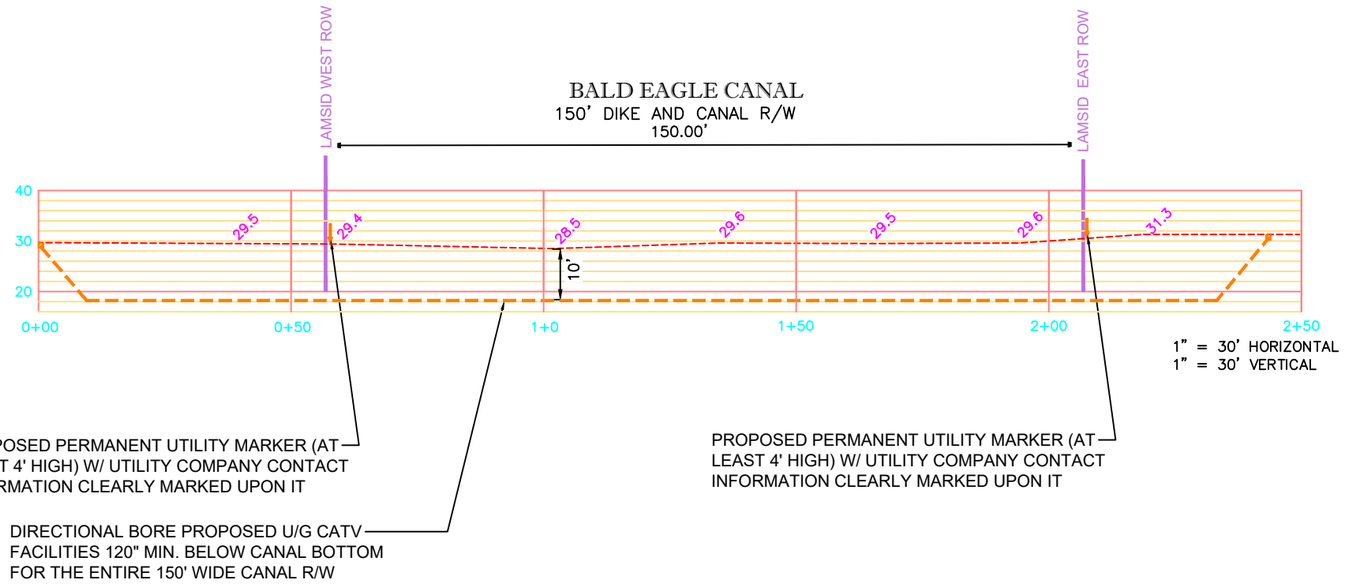
COMCAST
PROPRIETARY AND CONFIDENTIAL
12600 WESTLINKS DR., SUITE 4
FORT MYERS, FL 33913

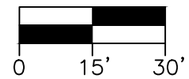
LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT
RIGHT-OF-WAY PERMIT

SUBJECT: PROPOSED U/G CATV FACILITIES ON FL-82.	**COUNTY:** LEE
	STATE: FLORIDA
	SHEET NO.: 2 OF 4
	DATE: 04/02/2026
CIFA: N/A	**MAP:** 26.522421, -81.579905
JB#: JB0002378710	**DRAFTED BY:** A. PERDOMO

22500 FL–82
LA–MSID PERMIT
CROSS SECTION

BINDING SPACE





CONSTRUCTION NOTE:
BORE MUST BE 10' BELOW THE LOWEST PIPE INVERT OR THE CANAL BOTTOM, WHICHEVER IS LOWER, FOR THE ENTIRE 90' 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.

JB0002378710_22500 STATE RD 82_ 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 FL–82.	**COUNTY:** LEE
	STATE: FLORIDA
	SHEET NO.: 3 OF 4
	DATE: 04/02/2026
CIFA: N/A	**MAP:** 26.522421, –81.579905
JB#: JB0002378710	**DRAFTED BY:** A. PERDOMO

BINDING SPACE

22500 FL-82
LA-MSID PERMIT
SITE PHOTOS



JB0002378710_22500 STATE RD 82_ 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 FL-82.	**COUNTY:** LEE
	STATE: FLORIDA
	SHEET NO.: 4 OF 4
	DATE: 04/02/2026
CIFA: N/A	**MAP:** 26.522421, -81.579905
JB#: JB0002378710	**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.

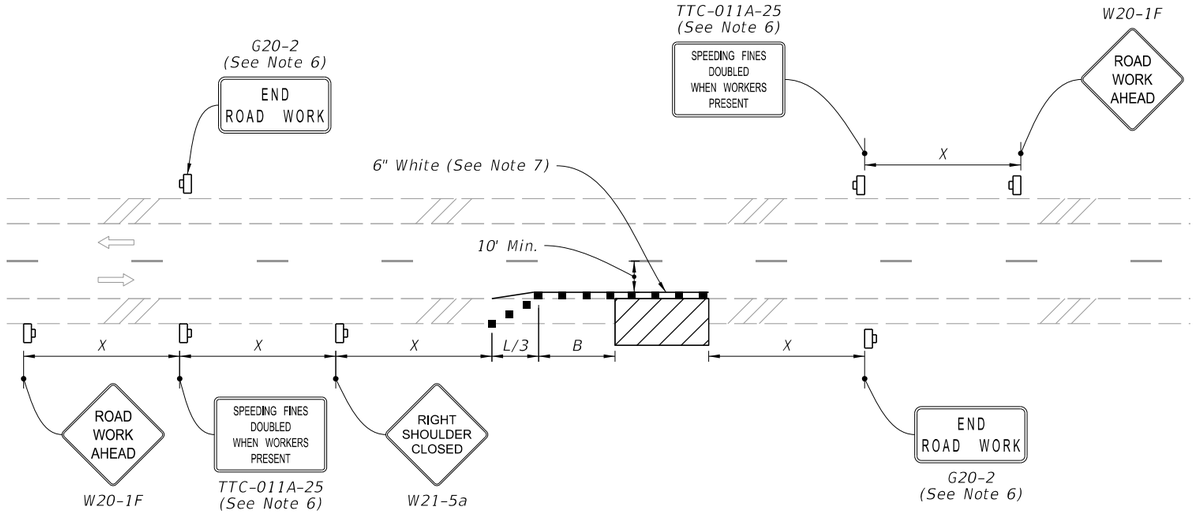
7. Temporary pavement markings may be omitted when the work operation is in place for 3 days or less.

8. Omit "Shoulder Closed" signs (W21-5a) along with associated work zone sign spacing distances for work on the median.

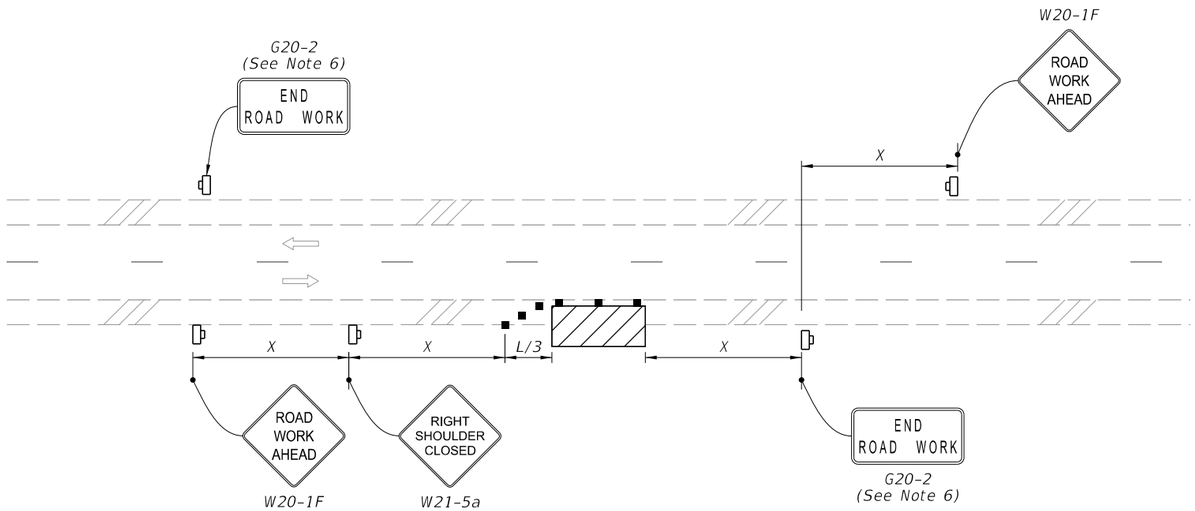
9. When there is no paved shoulder, the "Worker" sign (W21-1) may be used instead of the "Shoulder Closed" sign (W21-5a).

SYMBOLS:

- Work Area
- ■ Channelizing Device (See Index 102-600)
- Work Zone Sign
- Lane Identification and Direction of Traffic



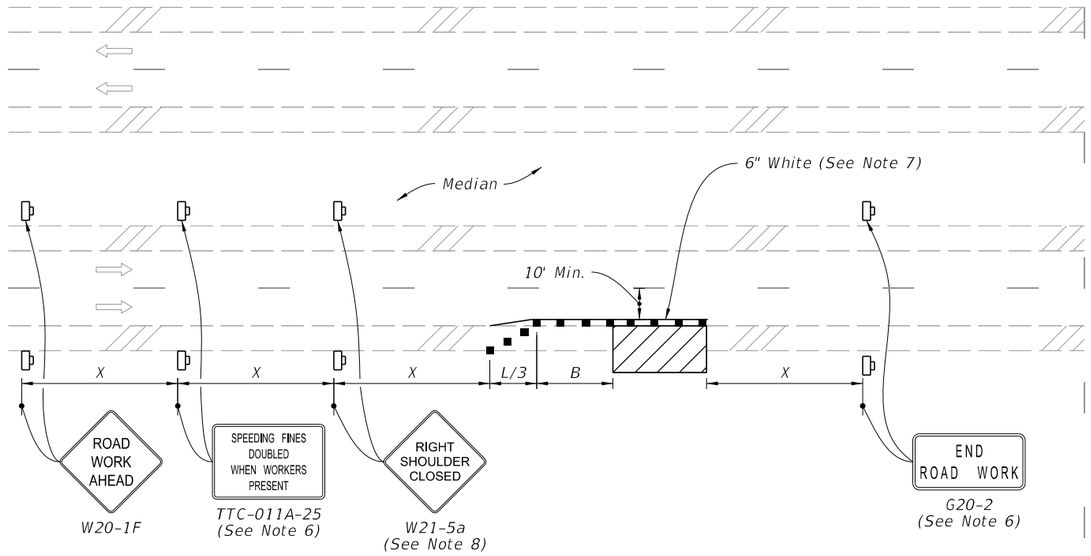
TWO-LANE ROADWAY
SHOULDER WORK LESS THAN 2' FROM THE TRAVELED WAY WITH WORK ZONE SPEED OF 45 MPH OR LESS



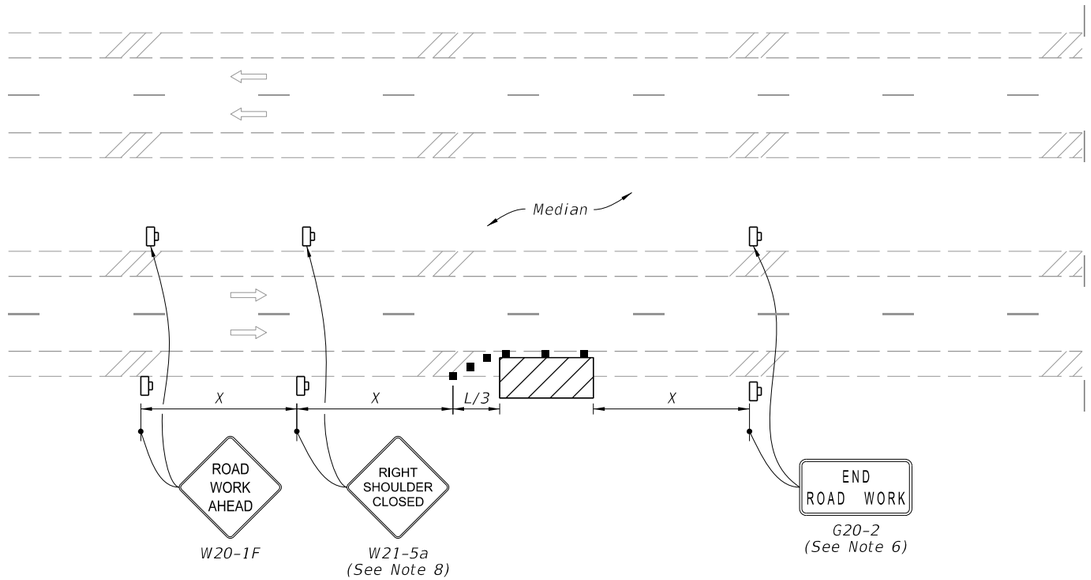
TWO-LANE ROADWAY
SHOULDER WORK BETWEEN 2' AND 15' FROM THE TRAVELED WAY

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



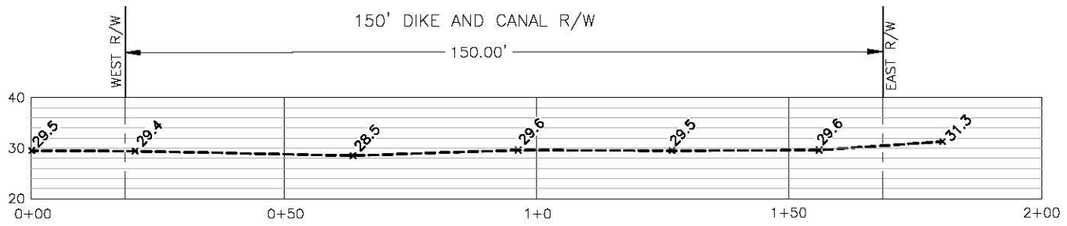
MULTILANE ROADWAY
SHOULDER WORK BETWEEN 2' AND 15' FROM THE TRAVELED WAY

SYMBOLS:

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Lane Identification and Direction of Traffic

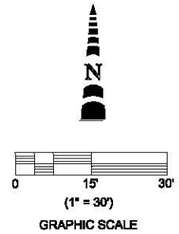
10/14/2025 9:34:21 AM

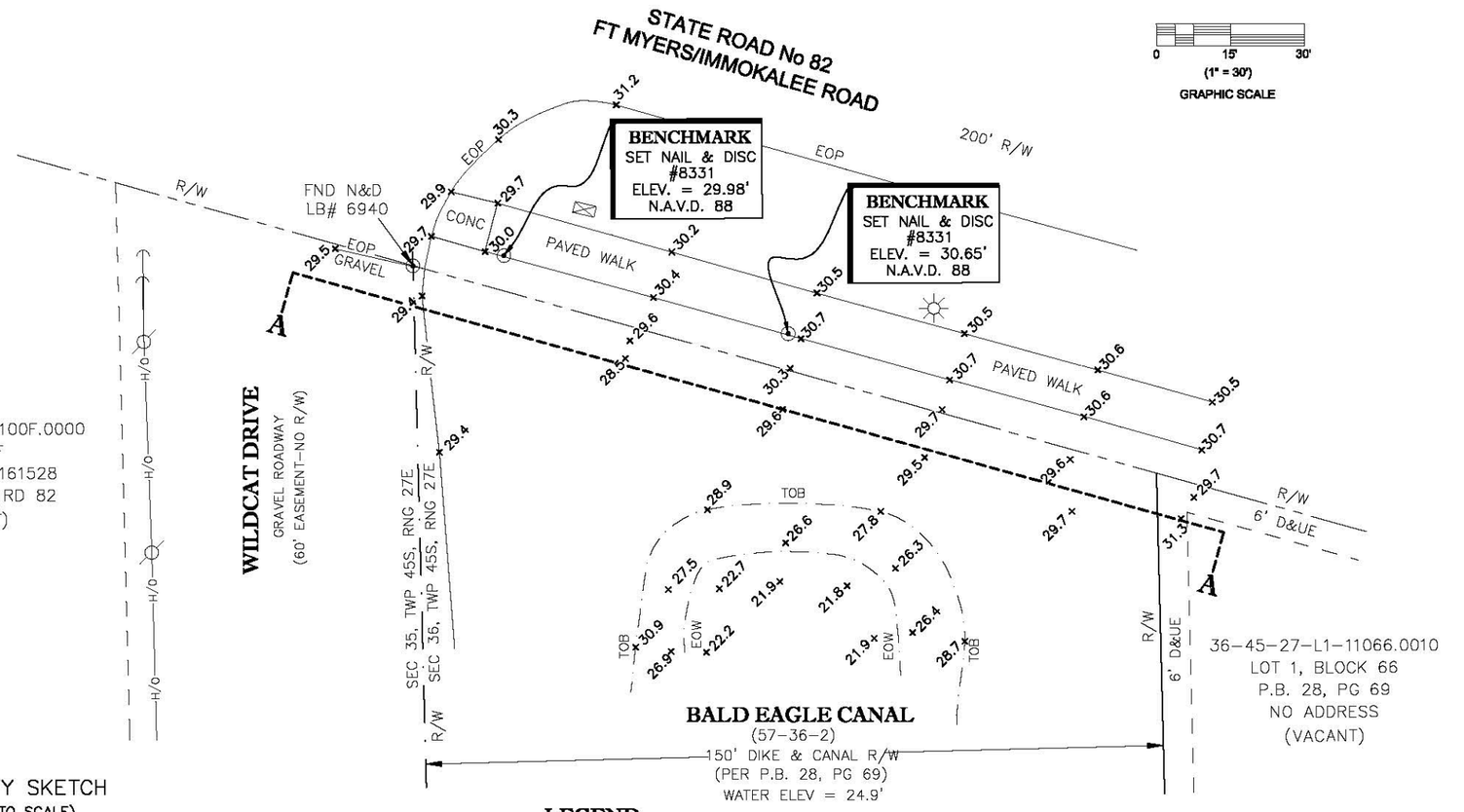
LAST REVISION	REVISION	DESCRIPTION:	FY 2026-27 STANDARD PLANS	TWO-LANE AND MULTILANE, WORK ON SHOULDER	INDEX	SHEET
11/01/25					102-602	2 of 2



A–A PROFILE VIEW

1" = 30' HORIZONTAL
1" = 30' VERTICAL

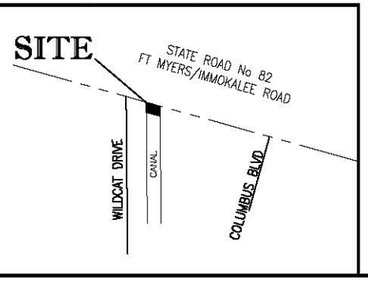




35–45–27–L3–0100F.0000
TRACT F
INST#2024000161528
22500 STATE RD 82
(VACANT)

36–45–27–L1–11066.0010
LOT 1, BLOCK 66
P.B. 28, PG 69
NO ADDRESS
(VACANT)

VICINITY SKETCH
(NOT TO SCALE)



LEGEND:

N&D = NAIL AND DISC
INST = INSTRUMENT
P.B. = PLAT BOOK
PG = PAGE
ELEV = ELEVATION
CONC = CONCRETE
SEC = SECTION
TWP = TOWNSHIP
RNG = RANGE
EOP = EDGE OF PAVEMENT
R/W = RIGHT OF WAY
TOB = TOP OF BANK
TOE = TOE OF SLOPE

FDOT = FLORIDA DEPT OF TRANSPORTATION
N.A.V.D. 88 = NORTH AMERICAN VERTICAL DATUM 1988
D&UE = DRAINAGE & UTILITY EASEMENT
+28.7' = SPOT ELEVATION
= GUY WIRE ANCHOR
= WOOD UTILITY POLE
= LIGHT POLE
= FDOT LIGHTING
—O/H— = OVERHEAD UTILITY LINES

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.

ASBUILT SURVEY

OF A PARCEL OF LAND LYING IN SECTION 36, TOWNSHIP 45 SOUTH, RANGE 27 EAST, LEHIGH ACRES, LEE COUNTY, FLORIDA

NOTES:

SURVEY BASED ON THE PLAT OF W 1/2 UNIT 11, LEHIGH ACRES, SEC 36, TWP 45S, RNG 27E AS RECORDED IN PLAT BOOK 28, PAGE 69 AND PLAT OF CORKSCREW GROVE NORTH RECORDED AS INST#2024000161528, 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 SOUTH OF STATE ROAD 82 BETWEEN WILDCAT DRIVE AND COLUMBUS BLVD, 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 0490F, 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: 3–17–2026.

Timothy L Mann

Digitally signed by Timothy L Mann
Date: 2026.03.24 08:19:24 -04'00'

BY: _____
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.

WILCAT/SR 82, 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

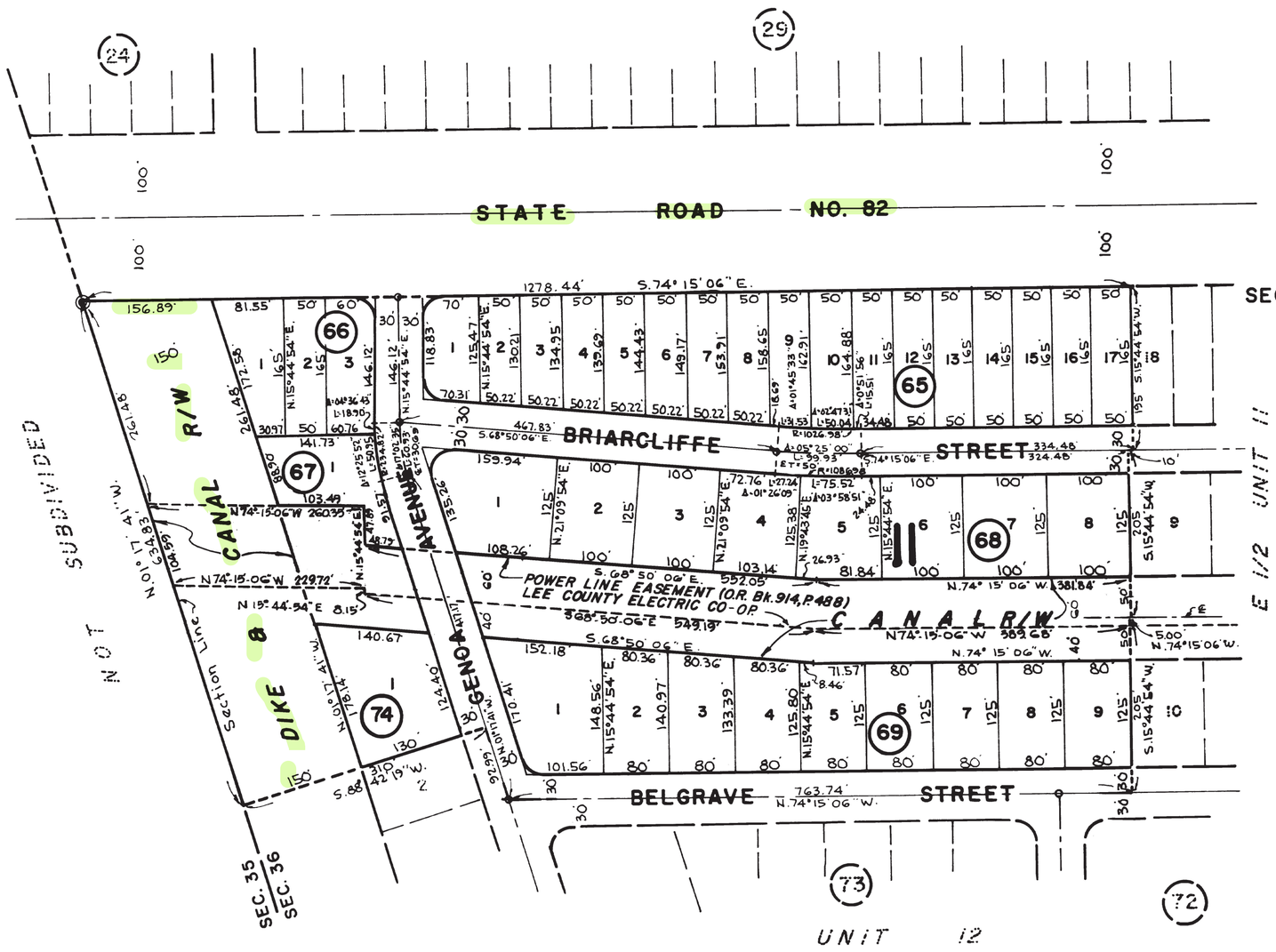
LB #8331

FILE NAME:	FIELD BOOK/PAGE:	PROJECT NO.:	SHEET:
15775SR.DWG	SEE FILE	15775	1 OF 1

SURVEY DATE:	DRAWN BY:	SCALE:	CHECKED BY:	FILE NO. (S–T–R)
3/20/26	BUD	1"= 30'	TLM	36–45–27

PLAT BOOK 28 PAGE 69

P.B. 18 - PG. 143



PLAT OF

W. 1/2 UNIT II

SECTION 36, TWP. 45 S., RGE. 27E.

A SUBDIVISION OF

LEHIGH ACRES

LEE COUNTY, FLORIDA

100 50 0 100 200

SCALE IN FEET
SCALE: 1" = 100'

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.

PART IV #26-66

Recommended Action

Engineering Review:

By: _____4/23/2026 **Approved _X_ Denied __**

District Field Review:

By: _____ Approved ___ Denied ___

District Manager: _____ Date: _____

Comments:

The referenced permit application for a boring under Bald Eagle Canal at 22500 FL-82, 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 #26-67, FGUA Waterline Bore under Amberjack Canal (46-31-2) at 28th St. SW

Meeting Date: 18-May-26

Agenda Item # 2M

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

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

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

Recommended motion: Move to approve PER #26-67, FGUA Waterline Bore under Amberjack Canal (46-31-2) at 28th St. SW with any listed stipulations.

What the action accomplishes: Allows FGUA Waterline Bore under Amberjack Canal (46-31-2) at 28th St. SW while staying 10' under LA-MSID's Canal.

Fiscal Impact: Permit Fees: $2,250.00

Staff comments: Approved according to the plans signed/sealed January 30, 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 18th day of May, 2026, by Lehigh Acres Municipal Services Improvement District (hereinafter referred to as "DISTRICT"), 601 East County Lane, Lehigh Acres, Florida 33936, to Florida Governmental Utility Authority, 9400 Southpark Center Loop, Suite 400, Orlando, FL 32819, hereinafter referred to as the "Permittee") as a non-exclusive permit for a proposed 12" (HDPE DR11) waterline bore under Amberjack Canal (46-31-2), along the north side of 28th St. SW., between Owen Ave. S. and Leda 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. 26-67

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 #26-67 is approved according to the plans signed/sealed January 30th, 2026.

2). The proposed bore must stay a minimum of 10 feet below the bottom of the canal/culverts for the entire 100' width of the canal right of way. This will ensure that the waterline is not dug up if the canal is widened or the culvert pipes under 28th St. SW are replaced in the future.

3). Place permanent above-ground (48" high min.) waterline markers at each canal R/W line over top the bore location, with the utility company emergency contact information clearly labeled on it.

4). All gate valves, air release valves, fire hydrants, water meter boxes, back flow preventers, 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 survey record drawings, 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 28th St. SW.

PART I

DATE SUBMITTED: 04 - 21 - 26

PERMIT #: 26 - 67

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: Johnson Engineering, LLC **PHONE #:** (239)461-2439

PROJECT NAME: 28th Street SW Watermain Extension

TOTAL ACREAGE: N/A

Property Address (STRAP associated with this address will be used as the primary STRAP for this project):					
Mailing Address:	**N/A**				
City:		**State:**		**Zip:**	

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

3	1	-	4	4	-	2	6	-			-						-				
		-			-			-			-						-				
		-			-			-			-						-				
		-			-			-			-						-				
		-			-			-			-						-				

Brief description of proposed project:

Application for: Extending a water main throughout 28th Street SW, 29th Street SW, and Meadow Road via open-cut method and directional drill

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.

PART II

OWNER/APPLICANT/ DEVELOPER INFORMATION

A.

Name of Applicant	Florida Governmental Utility Authority						
Mailing Address:	Street:	9400 Southpark Center Loop, Suite 400					
City:	Orlando	State:	Florida		Zip:	32819	
Phone No.	Area Code:	407	Number:	629-6900	Ext.		
Fax No.	Area Code:		Number:	-			
E-mail Address:	alyson.escribano@fgu[illegible].com						

B. Relationship of applicant to property*:

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

☐ Contract Purchaser* ☒ Other (indicate)* _____

C.

Name of Developer:	Same as Applicant					
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):	Johnson Engineering, LLC					
Mailing Address:	Street:	2122 Johnson Street				
City:	Fort Myers	State:	Florida		Zip:	33901
Phone No.	Area Code:	(239)	Number:	461-2439	Ext.	
Fax No.	Area Code:	( )	Number:	-		
E-mail Address:	dlp@johnsoneng.com					

E.

Name of Property Owner:	N/A ROW					
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: 3 1 - 4 4 - 2 6 - ____ - ____ - ____

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
Alyson Byrne Escribano	N/A
9400 Southpark Center Loop, Suite 400	
Orlando, Florida 32819	

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

Alyson Byrne Escribano – Capital Program Manager
PRINTED OR TYPED NAME OF APPLICANT

STATE OF FLORIDA
COUNTY OF LEE

The foregoing instrument was acknowledged before me this 19th day of March (m), 2026 (y), by Alyson Byrne Escribano who is personally know to me or has produced _____ as identification.

ASHLEY LAUREN DUCKWORTH
MY COMMISSION # HH 416393
EXPIRES: October 27, 2027

SIGNATURE OF NOTARY PUBLIC

Ashley Lauren Duckworth
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:	Johnson Engineering, LLC (David Trouteaud, P.E.)						
Mailing Address:	2122 Johnson Street						
City:	Fort Myers	State:		Florida		Zip:	33901
Business No.	Area Code:	(239)	Number:	461-2438		Ext.	
Other Contact:							

OTHER REPRESENTATIVE/PROFESSIONAL

Name:	Johnson Engineering, LLC (Debi Pendlebury)						
Mailing Address:	2122 Johnson Street						
City:	Fort Myers	State:		Florida		Zip:	33901
Business No.	Area Code:	(239)	Number:	461-2439		Ext.	
Other Contact:							

PART VI

SUBMITTALS

NO. OF COPIES SUB'D	NO. OF COPIES REQ'D	SUBMITTAL DOCUMENT
		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.

JOHNSON ENGINEERING
— An Apex Company —

SINCE 1946

April 20, 2026

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

RE: 28th Avenue SW Watermain Extension
Lehigh Acres MSID Permit Request

To whom it may concern:

Please find a complete "Application for a Permit" package attached in conjunction with the above referenced project. The proposed project includes the extension of a water main throughout 28th Street SW, 29th Street SW, and Meadow Road via open-cut method and directional drill.

If you have any questions or require additional information, please call me.

Very truly yours,
JOHNSON ENGINEERING, LLC
An Apex Company

Debi Pendlebury

Debi Pendlebury

dlp
cc: 25010238

RECEIVED
APR 21 2026
LEHIGH ACRES
MUNICIPAL SERVICES
IMPROVEMENT DISTRICT

JOSEPH P CARUSO
1807 SW 46TH TER
CAPE CORAL, FL 33914-6271

5179
1-2/210

DATE 4/20/2026

PAY TO THE ORDER OF LAMSID $ 2,250.00

Two thousand two hundred-fifty DOLLARS

Security Features Included. Details on Back.

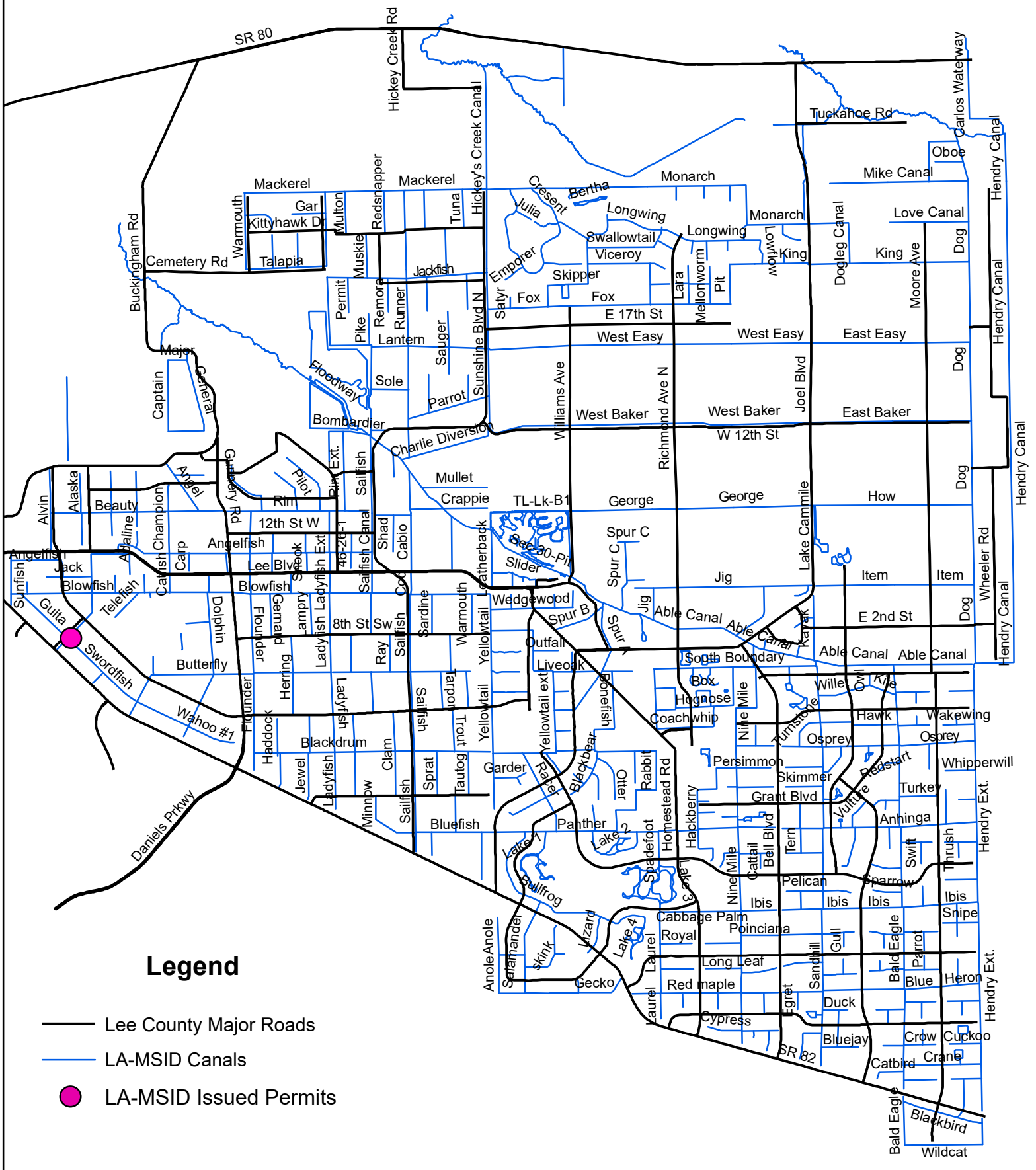
CHASE
JPMorgan Chase Bank, N.A.
www.Chase.com

MEMO Permit LA Joseph Caruso MP

⑆021000021⑆ 763930591⑈5179

Permit # 26-67

Permit # 2026-67



Legend

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

PERMIT PLANS
28TH STREET SW
WATER MAIN EXTENSION

FOR

FLORIDA GOVERNMENTAL UTILITY AUTHORITY

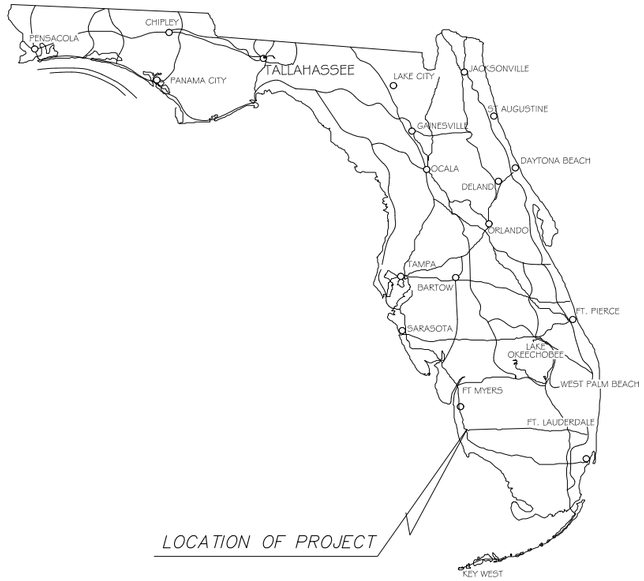
LOCATED IN

SECTION 31; TOWNSHIP 44 SOUTH; RANGE 26 EAST

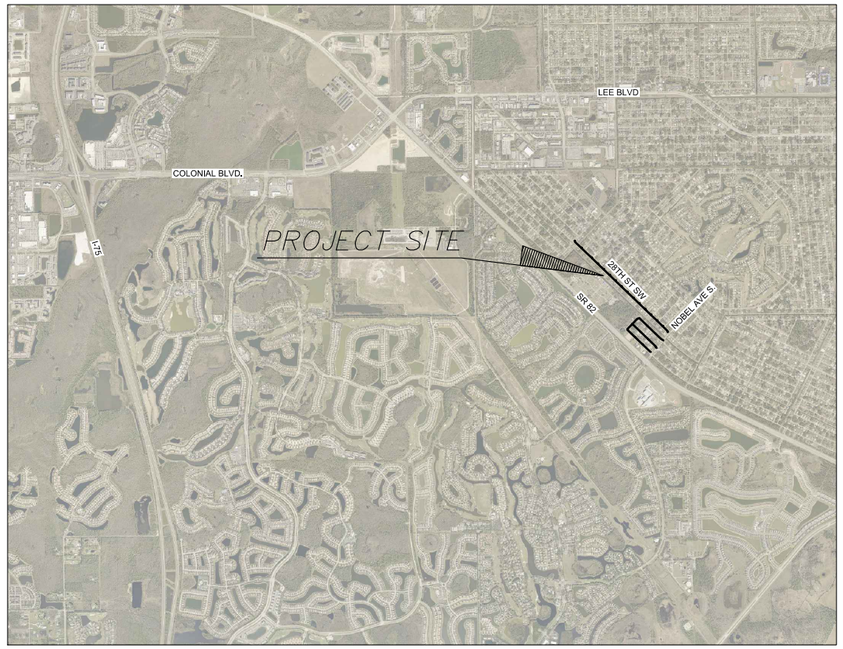
LEE COUNTY, FLORIDA

JANUARY 30, 2026

UTILITY CONTACT INFORMATION		
COMCAST CABLE 2601 SW 145TH AVENUE MIRAMAR, FL. 33207	754-221-1254	LEONARD MAXWELL-NEWBOLD
MDU PRO 3965 INVESTMENT LANE A.5 WEST PALM BEACH, FL. 33404	954-551-7950	RUSS BELL
CROWN CASTLE FIBER 1601 NW 136TH AVENUE SUITE A-200 SUNRISE, FL. 33323	786-610-7073	DANNY HASKETT
LEE COUNTY SIGNAL 5650 ENTERPRISE PARKWAY FORT MYERS, FL. 33905	239-533-9500	MICHAEL PADGETT
LEE COUNTY ELECTRIC CO-OP 4980 BAYLINE DRIVE NORTH FORT MYERS, FL. 33917	239-656-2261	KENNETH MILLER
LCEC TRANSMISSION	239-656-2156	ADRIAN ROJAS
FGUA 9841 BERNWOOD PL DR SUITE 120 FORT MYERS, FL. 33966	239-368-1615	MICHAEL CURRIER
TECO PEOPLES GAS 8416 PALM RIVER ROAD TAMPA, FL. 33619	813-275-3783	JOAN DOMNING
CENTURYLINK 2820 CARGO STREET BUILDING A FORT MYERS FL. 33916	239-336-2003	CRAIG CLARK
GSCDD GATEWAY UTILITIES 11922 FAIRWAY LAKES DRIVE FORT MYERS, FL. 33913	239-887-9683	BILL SHAW



Sheet List Table	
Sheet Number	Description
01	Cover
02	Notes & Legends
03	Key Map
28th Street S.W.	
04	Sta 0+00 to 5+00
~~05~~	~~Sta 5+00 to 10+00~~
~~06~~	~~Sta 10+00 to 15+00~~
~~07~~	~~Sta 15+00 to 20+00~~
~~08~~	~~Sta 20+00 to 25+00~~
~~09~~	~~Sta 25+00 to 30+00~~
~~10~~	~~Sta 30+00 to 35+00~~
~~11~~	~~Sta 35+00 to 40+00~~
~~12~~	~~Sta 40+00 to 45+00~~
~~13~~	~~Sta 45+00 to 50+00~~
29th Street S.W.	
~~14~~	~~Sta 0+00 to 5+00~~
~~15~~	~~Sta 5+00 to 10+00~~
~~16~~	~~Sta 10+00 to 15+00~~
30th Street S.W.	
~~17~~	~~Sta 0+00 to 5+00~~
~~18~~	~~Sta 5+00 to 10+00~~
~~19~~	~~Sta 10+00 to 15+00~~
Meadow Road	
~~20~~	~~Sta 0+00 to 5+00~~
~~21~~	~~Sta 5+00 to 10+00~~
~~22~~	~~Sta 10+00 to 15+00~~
Vernon Avenue S.	
~~23~~	~~Sta 0+00 to 5+00~~
~~24~~	~~Sta 5+00 to 8+00~~
General Details	
D-01	1 of 3
D-02	2 of 3
D-03	3 of 3
Water Main Details	
D-04	1 of 2
D-05	2 of 2



LOCATION MAP
N.T.S.

For Information Regarding
This Project, Contact:
DAVID BRICE TROUTEAUD, PE.

DAVID BRICE TROUTEAUD, PE.
FL License No. 69783

DESIGN CONSULTANT

JOHNSON ENGINEERING
— An Apex Company —

JOHNSON ENGINEERING
— An Apex Company —
JOHNSON ENGINEERING, LLC.
2122 JOHNSON STREET
FORT MYERS, FLORIDA 33901
PHONE: (239) 334-0046
E.R. #642 & L.B. #642

DAVID BRICE TROUTEAUD, PE.
FL License No. 69783

FLORIDA GOVERNMENTAL UTILITY AUTHORITY

28th Street SW
Water Main Extension
Lee County, Florida

REVISIONS

NO.	DESCRIPTION	DATE

DATE:	JANUARY 30, 2026
PROJECT NO.	25010238
FILE NO.	31-44-26
SCALE:	AS SHOWN

Cover

SHEET NUMBER
01

\\fms01\Drawings\2025\25010238\Utilities\Drawings\25010238_Cover.dwg (Cover) Michael.Tiseo Jan 29, 2026 - 5:13pm

ABBREVIATIONS

AC	ACRE
ALT	ALTERNATE
APPROX.	APPROXIMATE
ASB	ASBESTOS
BM	BENCH MARK
BLDG	BUILDING
BOT	BOTTOM
CB	CATCH BASIN
CF	CUBIC FEET
CFM	CUBIC FEET PER MINUTE
CI	CAST IRON
CIP	CAST IRON PIPE
CJ	CONSTRUCTION JOINT
CMP	CORRUGATED METAL PIPE
CO	CLEANOUT
CV	CHECK VALVE
CF	CUBIC FOOT
CY	CUBIC YARD
℄	CENTER LINE
CLKG	CAULKING
CLF	CHAIN LINK FENCE
COL	COLUMN, COLOR
CONC	CONCRETE
CONST	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACTOR
CTRS	CENTERS
CU	COPPER
CU. IN.	CUBIC INCH
DIA., ⌀	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DIST.	DISTANCE
DIP	DUCTILE IRON PIPE
DE	DRAINAGE EASEMENT
DWG	DRAWING
E	EAST
EL/ELEV	ELEVATION
EQUIP	EQUIPMENT
ERCP	ELLIPTICAL REINFORCED CONCRETE PIPE
ESMT	EASEMENT
EX	EXISTING
FF	FINISHED FLOOR
FFE	FINISHED FLOOR ELEVATION
FM	FORCE MAIN
FDC	FIRE DEPARTMENT CONNECTION
FDN	FOUNDATION
FIN	FINISH
FRP	FIBERGLASS REINFORCED PLASTIC
FT	FEET
G	NATURAL GAS
GC	GENERAL CONTRACTOR
GI	GALVANIZED IRON
GPM	GALLONS PER MINUTE
GV	GATE VALVE
GA	GAUGE
GAL	GALLON
GALV	GALVANIZED
GR	GRADE
HDPE	HIGH DENSITY POLYETHYLENE
HOR	HORIZONTAL
HYD	HYDRANT
ID	INSIDE DIAMETER
INV	INVERT
IRR	IRRIGATION
LAE	LAKE ACCESS EASEMENT
LF	LINEAL FEET
LME	LAKE MAINTENANCE EASEMENT
LMT	LAKE MAINTENANCE TRACT
MGD	MILLION GALLONS PER DAY
MH	MANHOLE
MJ	MECHANICAL JOINT
MAX	MAXIMUM
MECH	MECHANICAL
MES	MITERED END SECTION
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
N	NORTH
NE	NORTHEAST
NW	NORTHWEST
NPW	NON POTABLE WATER
NTS	NOT TO SCALE
NUM/#	NUMBER
NOM	NOMINAL
NG	NATURAL GAS
OC	ON CENTERS
OCEW	ON CENTER EACH WAY
OD	OUTSIDE DIAMETER
PCF	POUNDS PER CUBIC FOOT
PSF	POUNDS PER SQUARE FOOT
PV	PLUG VALVE
PSI	POUNDS PER SQUARE INCH
PVC	POLYVINYL CHLORIDE
POLY, PE.	POLYETHYLENE
PAVT	PAVEMENT
PC	POINT OF CURVATURE
PGL	PROPOSED GRADE LINE
℄	PROPERTY LINE
PLBG	PLUMBING
PLWD	PLYWOOD
PW	POTABLE WATER
PT	POINT OF TANGENCY
PUE	PUBLIC UTILITY EASEMENT
PVI	POINT OF VERTICAL INTERSECTION
QUAN	QUANTITY
R	RADIUS
RD	ROAD
RCP	REINFORCED CONCRETE PIPE
REQ'D	REQUIRED
ROW	RIGHT OF WAY
RU	REUSE LINE
R/W	RIGHT OF WAY
S	SOUTH
SE	SOUTHEAST
SW	SOUTHWEST
SS	SANITARY SEWER
SAN	SANITARY
SCH	SCHEDULE
SECT	SECTION
SEW	SEWER
SH	SHEET
SPEC	SPECIFICATION
SQ	SQUARE
ST	STREET
STA	STATION
STL	STEEL
STD	STANDARD
SUR	SURFACE
SYM	SYMMETRICAL
TOE	TOE OF SLOPE
TOB	TOP OF BANK
THK	THICK
TEL	TELEPHONE
TEMP	TEMPERATURE
TRANS	TRANSFORMER
TYP	TYPICAL
UE	UTILITY EASEMENT
VERT	VERTICAL
W	WATER
WM	WATER MAIN
W/	WITH
W/O	WITHOUT
WD	WOOD
WT	WEIGHT
WV	WATER VALVE
WH	WALL HYDRANT

UTILITY LINETYPES

	EXISTING	PROPOSED
WATER MAIN	EX WM	WM
WATER MAIN WITH SIZE	EX 8" WM	PR. 8" WM
WATER SERVICE	EX WS	
FORCE MAIN	EX FM	FM
FORCE MAIN WITH SIZE	EX 8" FM	PR. 8" FM
IRRIGATION MAIN	EX IRR	IRR
IRRIGATION MAIN WITH SIZE	EX 8" IRR	PR. 8" IRR
REUSE MAIN	EX. RU	RU
REUSE MAIN WITH SIZE	EX 8" RU	PR. 8" RU
IQ MAIN	EX. IQ	IQ
IQ MAIN WITH SIZE	EX 8" IQ	PR. 8" IQ
RAW WATER MAIN	EX RW	RW
RAW WATER MAIN WITH SIZE	EX 8" RW	PR. 8" RW
SANITARY SEWER	EX SS	SS
SANITARY SEWER WITH SIZE	EX 8" SS	PR. 8" SS
CABLE TELEVISON	EX TV	
CLOSED CIRCUIT TELEVISION	EX CCTV	
MISC. COMMUNICATION	EX COMM	
ELECTRIC	EX ELEC	
OVERHEAD ELECTRIC	EX UG-ELEC	
UNDERGROUND ELECTRIC	EX OHE	
GAS MAIN	EX GAS	
GAS MAIN WITH SIZE	EX 8" GAS	
FIRE MAIN	EX FIRE	
DRAINAGE	EX SD	
DRAINAGE WITH SIZE	EX 8" DR	
STORM WATER	EX STM	
TELEPHONE	EX TEL	
UNDERGROUND TELEPHONE	EX UGT	

SYMBOLS

- GATE VALVE
- TEE ASSEMBLY
- REDUCER
- BLOW OFF
- FIRE HYDRANT
- FIRE HYDRANT ASSEMBLY W/ GATE VALVE
- MITERED END SECTION
- MH-1 MANHOLE W/ NUMBER
- PLUG VALVE
- AIR RELEASE VALVE
- 11.25° BEND
- 22.5° BEND
- 45° BEND
- 90° BEND
- VERTICAL DEFLECTION
- WYE
- MM WATER SERVICE (DOUBLE)
- M WATER SERVICE (SINGLE)
- IRRIGATION SERVICE (DOUBLE)
- IRRIGATION SERVICE (SINGLE)
- SEWER SERVICE (DOUBLE)
- SEWER SERVICE (SINGLE)
- HEADWALL
- DRAINAGE INLET (SEE PLAN FOR TYPES)
- THROAT INLET
- FLARED END SECTION

RESTORATION LEGEND

CONCRETE DRIVE	ROCK DRIVE
BRICK DRIVE	SHELL DRIVE
GRAVEL DRIVE	
ROADWAY	ROADWAY TRENCH

BEFORE YOU DIG
STOP
CALL SUNSHINE
1-800-432-4770
AVOID DAMAGE TO UNDERGROUND FACILITIES

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

NOTICE TO ALL CONTRACTORS

IT'S THE LAW IN FLORIDA
2 BUSINESS DAYS BEFORE YOU DIG
CALL SUNSHINE 1-800-432-4770

STATE, COUNTIES & CITIES ARE "NOT" PART OF THE ONE CALL SYSTEM. THEY MUST BE CALLED INDIVIDUALLY.

STATE OF FLORIDA DOT
ALL INTERSTATE RIGHT-OF-WAY
HIGHMAST LIGHTING
7-DAY NOTICE REQUIRED
239-656-7811
239-656-7742 FAX

PRINTING AND PLOTTING NOTE:

PRINTING FULL SIZE OR 22"X34" PLANS:

- 22"X34" PLANS ARE MEANT TO BE PLOTTED AT 20 SCALE. (SEE INDIVIDUAL SCALE BARS ON EACH SHEET FOR DEVIATIONS)
- WHEN PRINTING FULL SIZE PLANS (22"X34") MAKE SURE THE PROPER SIZE PAPER IS USED, FAILURE TO DO SO WILL RESULT IN PLANS THAT ARE NOT TO SCALE.
- WHEN PRINTING 22"X34" PDF'S FROM ADOBE SELECT "ACTUAL SIZE" & "CHOOSE PAPER SOURCE BY PDF PAGE SIZE"

PRINTING 1/2 SIZE OR 11"X17" PLANS:

- 11"X17" PLANS ARE MEANT TO BE PLOTTED AT 40 SCALE. (SEE INDIVIDUAL SCALE BARS ON EACH SHEET FOR DEVIATIONS)
- WHEN PRINTING 1/2 SIZE PLANS (11"X17") MAKE SURE THE PROPER SIZE PAPER IS USED, FAILURE TO DO SO WILL RESULT IN PLANS THAT ARE NOT TO SCALE.
- WHEN PRINTING 11"X17" PDF'S FROM ADOBE SELECT "ACTUAL SIZE" & "CHOOSE PAPER SOURCE BY PDF PAGE SIZE"

GENERAL NOTES:

1. ALL CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF LEE COUNTY UTILITIES AND GSCDD. ANY UTILITY INSTALLED BELOW THE SURFACE OF THE NATURAL GROUND, STREAM BOTTOMS, PAVEMENT, OR DRAINAGE CANALS AND DITCHES MUST BE PLACED SO THAT THE DISTANCE, AS MEASURED FROM THE LOWER OF THE DESIGN GRADE OR THE NATURAL GROUND TO THE UPPERMOST PART OF THE UTILITY, IS NOT LESS THAN THIRTY-SIX INCHES (36").
2. CONTRACTOR SHALL NOT EXCEED 75% OF THE MANUFACTURERS RECOMMENDED MAXIMUM DEFLECTION WHEN DEFLECTING PIPE. ENGINEER WILL DETERMINE MAXIMUM DEFLECTION AFTER PIPE MANUFACTURER IS SELECTED.
3. THE CONTRACTOR SHALL KEEP A RECORD OF ALL CHANGES AND MAINTAIN AN AS-BUILT PLAN. PRIOR TO FINAL ACCEPTANCE, THIS PLAN WILL BE FURNISHED TO THE ENGINEER. THE CONTRACTOR SHALL ALSO FURNISH THE ENGINEER WITH A STATEMENT THAT THE AS-BUILT PLAN REPRESENTS ALL CHANGES MADE AND THAT THE LOCATION OF FORCEMAINS SHOWN ARE WITHIN 2'.
4. CONTRACTOR TO MAINTAIN EXISTING TRAFFIC/ACCESS, EXISTING DRAINAGE & EXISTING UTILITIES DURING CONSTRUCTION.
5. ALL FINAL FITTING AND VALVE LOCATIONS TO BE APPROVED IN THE FIELD BY THE OWNER/ENGINEER.
6. THE LOCATION OF EXISTING UTILITIES HAS BEEN PREPARED FROM THE MOST RELIABLE INFORMATION AVAILABLE TO THE ENGINEER. THE INFORMATION IS NOT GUARANTEED. THEREFORE THE CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF ALL UTILITIES IN THE FIELD PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITIES.
7. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES IN THE AREA 48 HOURS MINIMUM PRIOR TO START OF CONSTRUCTION, AND SHALL HAVE ALL SERVICE LINES (UTS, FPL, WATER, CABLE AT&T, SANITARY SEWER, IRRIGATION, FORCE MAIN & ANY OTHERS) LOCATED AND FLAGGED PRIOR TO ANY EXCAVATION.
8. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ALL UTILITY LINES AND SERVICES DAMAGED DURING CONSTRUCTION, INCLUDING IRRIGATION LINES AND SERVICES. THE APPROPRIATE UTILITY SHALL BE NOTIFIED OF ALL DAMAGED LINES PRIOR TO REPAIR. ALL NECESSARY REPAIRS SHALL BE PERFORMED IMMEDIATELY UPON DAMAGE OF LINE.
9. ALL DRIVEWAYS, LANDSCAPING, SIGNS, GRASS, FENCING, ETC. SHALL BE RESTORED TO A CONDITION EQUIVALENT TO PRECONSTRUCTION CONDITION UNLESS OTHERWISE APPROVED BY THE ENGINEER AND OWNER.
10. ALL ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
11. THE CONTRACTOR IS REQUIRED TO OBTAIN WRITTEN APPROVAL FROM THE ENGINEER FOR ANY DEVIATIONS FROM THE PLANS AND/OR SPECIFICATIONS.
12. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND ELEVATIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY REQUIRED PLAN DEVIATIONS.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TRAFFIC AND USAGE OF THE EXISTING STREETS ADJACENT TO THE PROJECT AREA. ALL TRAFFIC MAINTENANCE CONTROL SHALL BE IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION ROADWAY AND TRAFFIC DESIGN STANDARDS, INDEX 600 SERIES. CONTRACTOR SHALL SUBMIT MAINTENANCE OF TRAFFIC PLAN TO OWNER/ENGINEER PRIOR TO CONSTRUCTION.
14. ALL UTILITY CONNECTIONS SHALL CONFORM TO THE STANDARDS AND REQUIREMENTS OF THE AGENCY HAVING JURISDICTION OF EACH INDIVIDUAL UTILITY LINE.
15. THE UNDERGROUND CONTRACTOR SHALL MINIMIZE THE WORK AREA AND WIDTH OF TRENCHES TO AVOID DISTURBANCES OF NATURAL VEGETATION, SPOIL FROM TRENCHES SHALL BE PLACED ONLY ON PREVIOUSLY CLEARED AREAS, EXISTING RIGHT-OF-WAY OR APPROVED EASEMENT. THE CONTRACTOR SHALL NOT REMOVE OR DISTURB ANY TREES OR SHRUBS WITHOUT PRIOR APPROVAL FROM THE ENGINEER.
16. THE 36" MINIMUM COVER REQUIREMENT FOR THE PROPOSED WATER MAIN SHALL BE MEASURED FROM FINISHED GRADES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE MINIMUM COVER REGARDLESS OF EXISTING GRADE PERIODIC CHECKS (MIN. EVERY 100 FT.) FOR MINIMUM COVER SHALL BE MADE BY THE CONTRACTOR AND RECORDED ON THE RECORDS DRAWINGS.
17. ALL FITTINGS SHALL BE RESTRAINED WITH MEGALUG OR APPROVED EQUAL.
18. ALL IN LINE VALVES SHALL BE MAIN SIZE MECHANICAL JOINT AND RESTRAINED WITH MOLDED FLANGE ADAPTOR WITH STEEL RETAINING RING AS SUPPLIED BY PIPE MANUFACTURER.
19. THE CONTRACTOR SHALL NOTIFY RESIDENCES AND BUSINESS AT LEAST 48 HOURS IN ADVANCE OF ANY DISRUPTION IN SERVICE, INCLUDING DRIVEWAY CUTS.
20. WATER MAINS SHALL BE SUBJECT TO FLUSHING AND BACTERIOLOGICAL SAMPLING.
21. CONTRACTOR IS ADVISED TO VISIT CONSTRUCTION SITE PRIOR TO BIDDING PROJECT. BID IS FINAL AND ACKNOWLEDGES THAT CONTRACTOR IS FAMILIAR WITH EXISTING SITE CONDITIONS.
22. RESTRAINING OF PIPELINE SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATIONS. NO THRUST BLOCKS SHALL BE ALLOWED, UNLESS OTHERWISE SPECIFIED.
23. WHEN A CONFLICT ARISES BETWEEN INVERT ELEVATIONS SHOWN IN PLAN AND PROFILE VIEWS, PROFILE ELEVATIONS SHALL TAKE PRECEDENT.
24. CONTRACTORS SHALL PROVIDE COMPLETE LIST OF 24 HR EMERGENCY PHONE NUMBERS.

LEE COUNTY DOT NOTES:

THIS PROJECT IS LOCATED WITHIN LEE COUNTY OWNED AND MAINTAINED ROW. THE FOLLOWING NOTES WILL APPLY TO WORK WITHIN COUNTY ROW IN ADDITION TO THE REQUIREMENTS OF THE LCDOT ROW PERMIT.

1. A COPY OF THE APPROVED PERMIT, PLANS, AND ATTACHMENTS MUST BE ON THE JOB SITE WHILE THE WORK IS BEING PERFORMED.
2. THE PERMITTEE IS REQUIRED TO OBTAIN ALL APPLICABLE LOCAL, STATE, AND FEDERAL PERMITS.
3. CALL LEE COUNTY DOT (LCDOT) FOR ALL FINAL INSPECTIONS (239) 533-8997 (AUTOMATED LINE).
4. DO NOT OPEN CUT, OR DISTURB ANY LEE COUNTY ROADS WITHOUT PRIOR APPROVAL.
5. IF AN OPEN CUT IS GRANTED, THE PERMITTEE MUST USE FLOWABLE FILL IN THE REPAIR WITH A 24" MINIMUM THICKNESS, APPLY 2" OF TYPE S (S-I OR S-III, DEPENDING ON ROAD CLASSIFICATION) OVER FLOWABLE FILL. A 1" ASPHALT OVERLAY OF S-III IS REQUIRED 25 LF IN EACH DIRECTION OF THE OPEN CUT; IT SHOULD BE FEATHERED OR AS DIRECTED BY LCDOT REPRESENTATIVE.
6. ALL RESTORATION WORK IS TO BE IN-KIND. ANY DISTURBED GRASS IS TO BE RE-SODDED, OR AS DIRECTED BY LCDOT REPRESENTATIVE.
7. MAINTENANCE OF TRAFFIC (MOT) PROCEDURES:
   a. NO LANE CLOSURES ON LCDOT MAINTAINED ROADS WITHOUT PRIOR APPROVAL FROM LCDOT.
   b. MOT PLANS SHOULD REFERENCE THE MOST CURRENT FDOT INDEX 600 SERIES.
   c. MOT PROPOSALS FOR A LANE CLOSURE MUST BE SUBMITTED AT LEAST 48 HOURS IN ADVANCE OF THE WORK TO LEE COUNTY DOT TRAFFIC SECTION FOR REVIEW AND APPROVAL - FAX (239) 533-9340.
   d. IF A LANE CLOSURE IS GRANTED; TRAFFIC MAY NOT BE CLOSED TO TRAFFIC BEFORE 9:00 A.M., AND THE CLOSED LANE MUST BE RE-OPENED TO TRAFFIC BY 4:00 P.M.
8. TEMPORARY TRAFFIC CONTROL (TTC) OR MOT PLANS SHALL BE REVIEWED AND APPROVED IN THE ROW PERMIT REVIEW PROCESS. THE PERMITTEE/CONTRACTOR SHALL COORDINATE WITH LCDOT STAFF TO CONDUCT CONSTRUCTION OPERATIONS TO MINIMIZE INTERFERENCE WITH, OR INTERRUPTION OF VEHICULAR, BICYCLE, OR PEDESTRIAN TRAFFIC UPON AND ALONG THE ROADWAYS. NO WORK CAN PROCEED UNTIL THE MOT PLANS ARE APPROVED BY LCDOT. PEDESTRIAN/BICYCLE TRAFFIC ACCOMMODATIONS MUST BE INCLUDED AS PART OF THE MOT PLANS; ANY TEMPORARY FACILITY MUST MEET CURRENT ADA STANDARDS.
9. PEDESTRIAN ACCESS ON LEE COUNTY SIDEWALKS AND BIKE PATHS MUST BE MAINTAINED AT ALL TIMES WITH A SAFE, PASSABLE SURFACE. IF A SIDEWALK OR BIKE PATH MUST BE CLOSED, SIGN AGE IN ADVANCE OF THE CLOSED PORTION OF SIDEWALK / BIKE PATH MUST BE POSTED FOR PEDESTRIANS TO SELECT AN ALTERNATIVE ROUTE.
10. NO CONSTRUCTION EQUIPMENT OR MATERIALS SHALL BE ON LEE COUNTY ROADS WITHOUT A PROPER MOT IN PLACE.
11. THE PERMITTEE SHALL BE RESPONSIBLE FOR DAMAGE TO ANY EXISTING UTILITIES, DRAINAGE STRUCTURES, SIDEWALK/SHARED USE PATH, REGULATORY AND TRAFFIC SIGNS, TRAFFIC CONTROL DEVICES, TRAFFIC COUNT STATIONS, PULL BOXES, FIBER OPTIC CABLES, AND PAVEMENT WITHIN THE COUNTY ROW DUE TO THE PROPOSED CONSTRUCTION ACTIVITIES. THE EXISTING LCDOT TRAFFIC DETECTORS AND COMMUNICATION INFRASTRUCTURE INCLUDING TRAFFIC COUNT STATIONS, INDUCTIVE LOOPS, PULL BOXES, AND FIBER OPTIC CABLE MUST BE PROTECTED DURING THE CONSTRUCTION OF THE PROJECT ALL THE TIME. THE CONTRACTOR SHALL COORDINATE WITH THE LCDOT TRAFFIC SECTION TO REPAIR ALL DAMAGES TO TRAFFIC SIGNAL EQUIPMENT, TRAFFIC DETECTORS, AND COMMUNICATION INFRASTRUCTURE WITHIN 24 HOURS OF BEING DAMAGED.
12. CONTRACTORS ARE RESPONSIBLE FOR ANY DEBRIS / MATERIAL THAT ENTERS A LCDOT ROADWAY AS RESULT OF WORK DONE ON-SITE, AND THEY MUST PERIODICALLY BROOM THE ROADWAY, OR TAKE OTHER APPROPRIATE MEASURES TO KEEP THE ROADWAYS SAFE AND CLEAR OF DEBRIS AND/OR MATERIALS.
13. USE ALL REQUIRED TURBIDITY CONTROL MEASURES THAT ARE NECESSARY TO PROTECT THE WORK SITE AND SURROUNDING PROPERTIES IN ACCORDANCE WITH ALL APPLICABLE GOVERNMENT AGENCY REGULATIONS.
14. ANY AND ALL ABANDONED WATER/SEWER LINES IN LEE COUNTY RIGHT OF WAY WILL BE FILLED WITH GROUT OR REMOVED.
15. ALL ASPHALT, DIRT, AND GRAVEL ROADS TO BE REPLACE IN-KIND. ALL CONCRETE DRIVEWAYS SHALL BE RESTORED FROM THE EDGE OF PAVEMENT BACK TO THE FIRST JOINT. DECORATIVE DRIVEWAYS MUST BE REPLACED IN-KIND.
16. AFTER THE DEVELOPMENT ORDER IS APPROVED, A LEE COUNTY RIGHT OF WAY (ROW) PERMIT AND BOND WILL BE REQUIRED PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES WITHIN THE COUNTY ROW OR EASEMENTS INCLUDING ANY TYPE OF ACCESS TO THE ROAD ROW AND TEMPORARY CONSTRUCTION ACCESS FOR LOT CLEARING AND TRUCK HAULING OPERATIONS. THE ROW PERMIT APPLICATION WILL REQUIRE THE LDC APPROVED STAMPED SET OF PLANS.
17. AS A CONDITION OF THE DEVELOPMENT ORDER AND RIGHT-OF-WAY PERMIT, THE APPLICANT MUST SUBMIT A COMPLETE AS-BUILT SURVEY OF THE NEIGHBORHOOD FOLLOWING INSTALLATION OF THE PROPOSED WATER MAINS AND APPURTENANCES. PRIOR TO ISSUANCE OF A CERTIFICATE OF COMPLIANCE FOR THE DEVELOPMENT ORDER OR RELEASE OF THE RIGHT-OF-WAY PERMIT BOND THE SUBMITTED AS-BUILT SURVEY MUST CONFIRM EXACT RESTORATION TO PRE-CONSTRUCTION ELEVATIONS.
18. SOD MUST BE PLACED IN ANY DISTURBED COUNTY RIGHTS-OF-WAY FROM THE EDGE OF PAVEMENT TO THE PROPERTY LINE. THE DEVELOPER/PERMITTEE IS RESPONSIBLE TO MAINTAIN THE EXISTING ROADSIDE DRAINAGE CONVEYANCE ALL THE TIME DURING THE CONSTRUCTION. ALL DRAINAGE SWALES AND DITCHES MUST BE PROPERLY GRADED OR RE-GRADED AND DRIVEWAY CULVERTS SHALL BE PROPERLY INSTALLED TO INSURE CONTINUOUS FLOW OF STORMWATER FROM THE HIGH POINT TO LOW POINT OF THE SWALE/DITCH OR THE LIP OF THE OUTFALL BASIN. THE CONTRACTOR MUST COORDINATE WITH LCDOT ROW PERMIT INSPECTOR AND LCDOT TRANSPORTATION OPERATIONS STAFF AT LEAST TWO WEEKS AHEAD TO SCHEDULE FIELD INSPECTION FOR ALL DRAINAGE GRADES OF THE ROADSIDE SWALES AND DRIVEWAY CULVERTS. FINAL INSPECTION FOR SWALE, SOD, AND DRIVEWAY CULVERT INSPECTION SHALL BE PREFORMED PRIOR TO ISSUANCE OF THE CERTIFICATE OF COMPLETION (CC) OF THE DEVELOPMENT ORDER AND ROW PERMIT.
19. PRIOR TO INSTALLATION OF THE ABOVEGROUND FACILITIES INCLUDING FIRE HYDRANTS, AIR RELEASE VALVES WITHIN THE COUNTY-MAINTAINED ROW OR EASEMENT, THE CONTRACTOR SHALL COORDINATE WITH THE LCDOT STAFF FOR FINALIZATION AND APPROVAL OF THE LOCATIONS OF THESE FACILITIES. THE LCDOT RESERVES THE RIGHT TO REQUIRE THE PERMITTEE AT THE PERMITTEE'S SOLE EXPENCE TO RELOCATE THESE FACILITIES IF THEY FOUND TO BE IN CONFLICT WITH THE LCDOT OPERATION AND MAINTENANCE PROGRAMS.
20. PAVEMENT RESTORATION WITHIN THE COUNTY RIGHTS-OF-WAY MUST COMPLY WITH THE CURRENT COUNTY PAVEMENT/TRENCH RESTORATION DETAILS AND GUIDELINES. PAVEMENT RESTORATION MUST BE EXTENDED TO COVER THE FULL LANE WIDTH WITH 25 FEET IN EACH DIRECTION. PAVEMENT RESTORATION TO THE STREET INTERSECTIONS MUST COVER THE FULL LANE WIDTH.

JOHNSON ENGINEERING
— An Apex Company —
JOHNSON ENGINEERING, LLC.
2122 JOHNSON STREET
FORT MYERS, FLORIDA 33901
PHONE: (239) 334-0046
E.R. #642 & L.B. #642

DAVID BRICE TROUTEAUD, P.E.
FL License No. 69783

FLORIDA GOVERNMENTAL UTILITY AUTHORITY

28th Street SW
Water Main Extension
Lee County, Florida

REVISIONS

NO.	DESCRIPTION	DATE

DATE:	JANUARY 30, 2026
PROJECT NO.	25010238
FILE NO.	31-44-26
SCALE:	AS SHOWN

DRAFT 100% Construction Plans Notes & Legends

SHEET NUMBER
02

\\fms01\Drawings\2025\25010238\Utilities\Drawings\25010238_Cover.dwg (Notes & Legends) MichaelTseo Jan 29, 2026 - 4:44pm

OWEN AVE. S.
LEDA AVE. S.
MATENA AVE. S.
LOLA AVE. S.
LANTANA AVE. S.
JOE AVE. S.
HERB AVE. S.

SEE SHEET 04 - STA 0+00 TO 5+00
SEE SHEET 05 - STA 5+00 TO 10+00
SEE SHEET 06 - STA 10+00 TO 15+00
SEE SHEET 07 - STA 15+00 TO 20+00
SEE SHEET 08 - STA 20+00 TO 25+00
MATCHLINE SEE BELOW

PR. 12" WM
28TH STREET S.W.

ROADWAY NOTE:
- ALL ROADWAY WITHIN THIS PROJECT ARE LOCAL ROADS.

RESTORATION LEGEND

CONCRETE DRIVE	ROCK DRIVE
BRICK DRIVE	SHELL DRIVE
GRAVEL DRIVE	
ROADWAY	ROADWAY TRENCH

GEORGE AVE. S.
MILLIE AVE. S.
MAE AVE. S.
TED AVE. S.
VERNON AVE. S.
RICHARD AVE. S.
QUINTIN AVE. S.
PAUL AVE. S.
NOBEL AVE. S.

MATCHLINE SEE ABOVE
SEE SHEET 09 - STA 25+00 TO 30+00
SEE SHEET 10 - STA 30+00 TO 35+00
SEE SHEET 11 - STA 35+00 TO 40+00
SEE SHEET 12 - STA 40+00 TO 45+00
SEE SHEET 13 - STA 45+00 TO 50+00

28TH STREET S.W.
PR. 12" WM
PR. 12" WM
PR. 12" WM
PR. 12" WM

SEE SHEET 14 - STA 0+00 TO 5+00
SEE SHEET 15 - STA 5+00 TO 10+00
SEE SHEET 16 - STA 10+00 TO 15+00
SEE SHEET 24 - STA 5+00 TO 8+00

PR. 8" WM
PR. 8" WM
PR. 8" WM
29TH STREET S.W.

SEE SHEET 17 - STA 0+00 TO 5+00
SEE SHEET 18 - STA 5+00 TO 10+00
SEE SHEET 19 - STA 10+00 TO 15+00

VERNON AVENUE S.
RAY AVENUE S.

30TH STREET S.W.
PR. 8" WM
PR. 8" WM
PR. 8" WM

SEE SHEET 23 - STA 0+00 TO 5+00
SEE SHEET 20 - STA 0+00 TO 5+00
SEE SHEET 21 - STA 5+00 TO 10+00
SEE SHEET 22 - STA 10+00 TO 15+00

PR. 8" WM
PR. 8" WM
PR. 8" WM
MEADOW ROAD

FL STATE ROAD 82

0 50 100 200
INTENDED DISPLAY SCALE
22"X34" PLAN: 1"=100'
11"X17" PLAN: 1"=200'

JOHNSON ENGINEERING
— An Apex Company —
JOHNSON ENGINEERING, LLC.
2122 JOHNSON STREET
FORT MYERS, FLORIDA 33901
PHONE: (239) 334-0046
E.R. #642 & L.B. #642

DAVID BRICE TROUTEAUD, PE.
FL License No. 69783

FLORIDA GOVERNMENTAL UTILITY AUTHORITY

28th Street SW
Water Main Extension
Lee County, Florida

REVISIONS

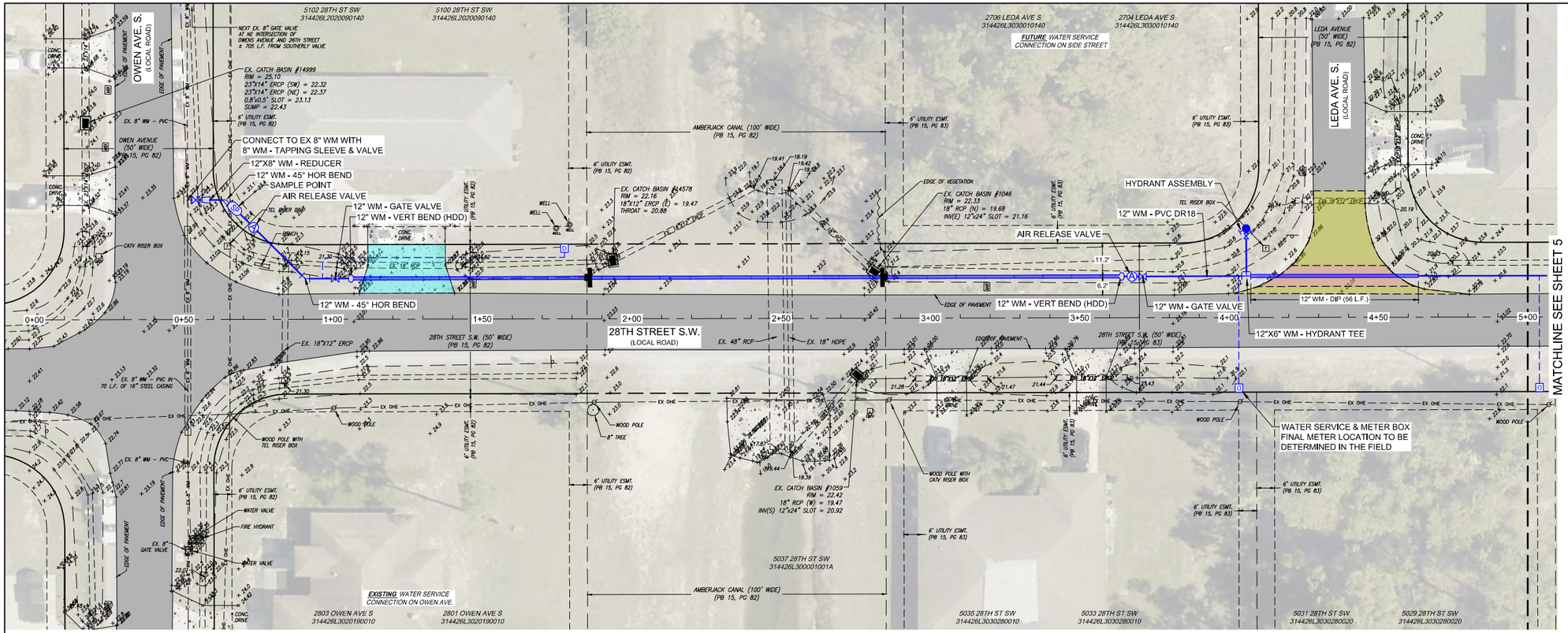
NO.	DESCRIPTION	DATE

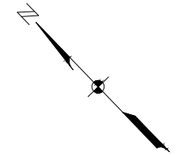
DATE:	JANUARY 30, 2026
PROJECT NO.	25010238
FILE NO.	31-44-26
SCALE:	AS SHOWN

DRAFT 100%
Construction Plans
Key Map

SHEET NUMBER
03

\\tfms01\Drawings\2025\25010238\Utilities\Drawings\25010238_PP.dwg (Key Map) Michael.Tiseo Jan 29, 2026 - 4:45pm

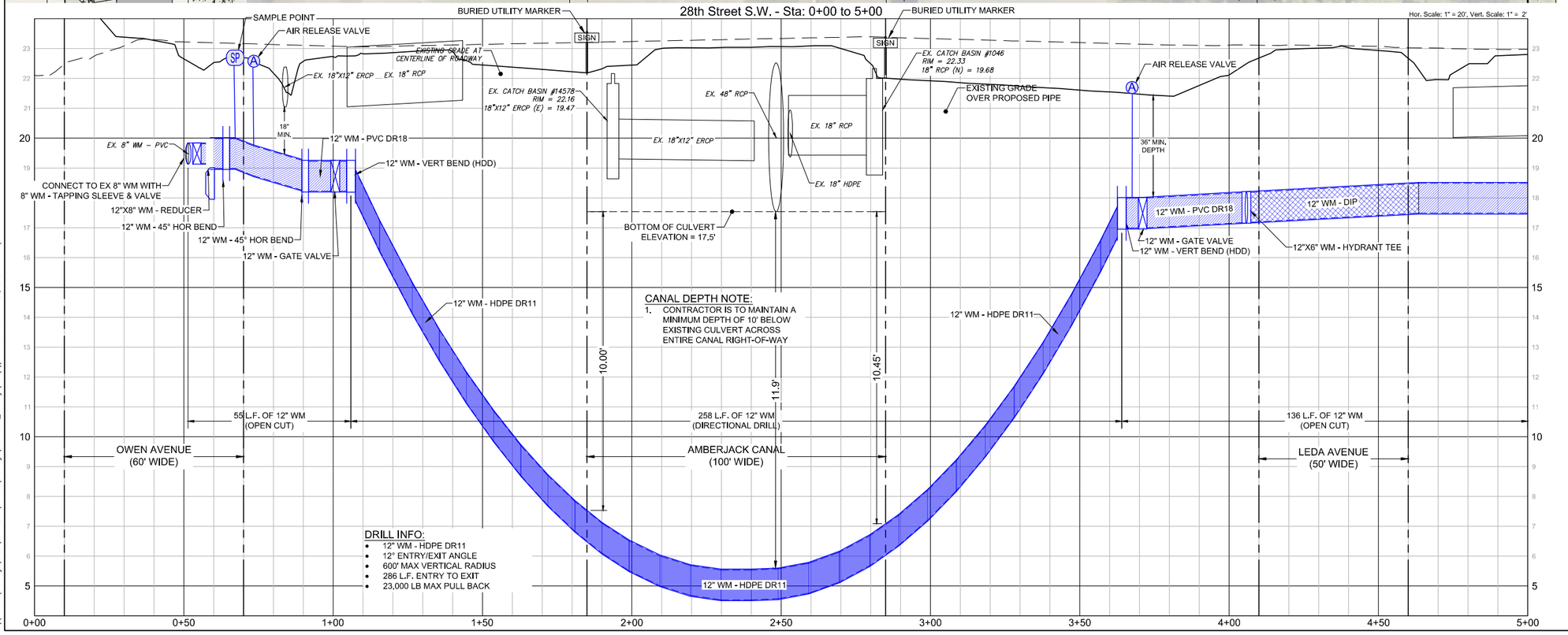




0 10 20 40

INTENDED DISPLAY SCALE
22"X34" PLAN: 1"=20'
11"X17" PLAN: 1"=40'

RESTORATION LEGEND	
CONCRETE DRIVE	ROCK DRIVE
BRICK DRIVE	SHELL DRIVE
GRAVEL DRIVE	
ROADWAY	ROADWAY TRENCH



JOHNSON ENGINEERING
— An Apex Company —
JOHNSON ENGINEERING, LLC.
2122 JOHNSON STREET
FORT MYERS, FLORIDA 33901
PHONE: (239) 334-0046
E.R. #642 & L.B. #642
DAVID BRICE TROUTEAUD, PE.
FL License No. 69783

FLORIDA GOVERNMENTAL UTILITY AUTHORITY

28th Street S.W.
Water Main Extension
Lee County, Florida

REVISIONS

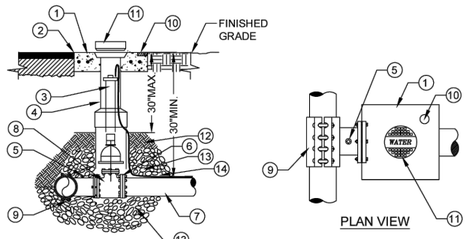
NO.	DESCRIPTION	DATE

DATE:	JANUARY 30, 2026
PROJECT NO.	25010238
FILE NO.	31-44-26
SCALE:	AS SHOWN

DRAFT 100% Construction Plans
28th Street S.W.
Sta 0+00 to 5+00

SHEET NUMBER
04

\\fmo01\Drawings\2025\25010238\Utilities\Drawings\25010238_PP.dwg (PP (1)) Michael.Tisee Jan 29, 2026 - 4:46pm

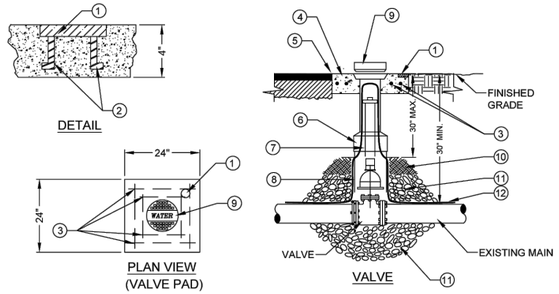


1. CONCRETE PAD - 24"X24"X4" THK. (SEE VALVE INSTALLATION DETAIL G-02)
2. SET TOP OF BOX FLUSH WITH FINISHED GRADE
3. EXTENSION STEM IF TOP OF OPERATING NUT IS MORE THAN 30" BELOW FINISH GRADE
4. VALVE BOX (SEE VALVE INSTALLATION DETAIL G-02)
5. OUTLET FOR TESTING
6. MJ RESTRAINED
7. MAIN SIZE VARIES
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)

NOT TO SCALE

TITLE: TAPPING SLEEVE & VALVE
REVISION: 1/26/24 | DETAIL NO: G-01.dwg

January 26, 2024 6:29 AM S:\Utilities\ENGINEERING\ACAD\LCU-CAD-Stnds\151209 LCU STD DETAILS\CAD FILES\G-01.dwg

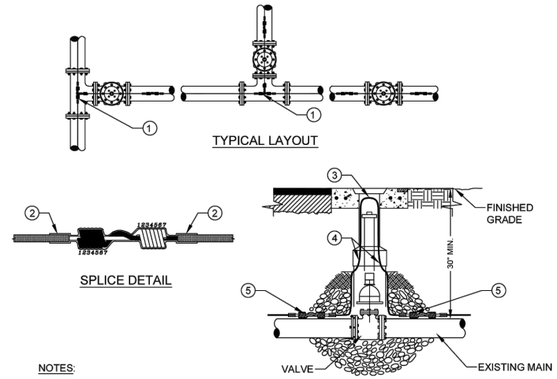


1. BRASS PLATE: SIZE OF VALVE, VALVE TYPE NO. OF TURNS & DIRECTION TO OPEN VALVE MFG & YEAR INSTALL SYSTEM "WATER" OR "SEWER" OR "REUSE" OR "FIRE"
2. ANCHOR
3. EIGHT (8) #4 BARS OVERLAP EACH CORNER BY 2"
4. 24" SQ X 4" THK. CONC. PAD SURROUNDING BOX, MIN. 3000 P.S.I. POURED IN PLACE
5. SET TOP OF BOX 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)

NOT TO SCALE

TITLE: GATE VALVE
REVISION: 1/26/24 | DETAIL NO: G-02.dwg

January 26, 2024 10:28 AM S:\Utilities\ENGINEERING\ACAD\LCU-CAD-Stnds\151209 LCU STD DETAILS\CAD FILES\G-02.dwg



NOTES:

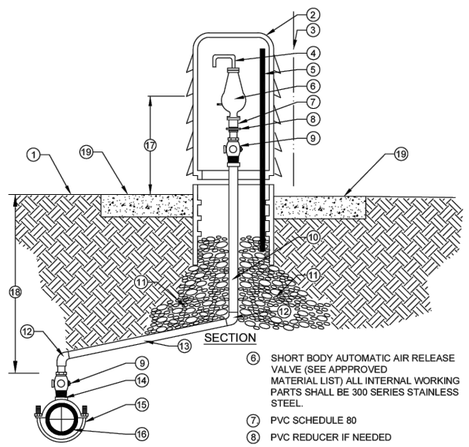
1. WIRE SHALL BE CONTINUOUS BETWEEN VALVE BOXES, THE PVC RISER PIPE SHALL BE NOTCHED AND THE WIRE ATTACHED TO THE RISER PIPE TO ALLOW FOR THE WIRE TO FIT INSIDE THE CAST IRON VALVE BOX WITHOUT SHEARING THE WIRE.
2. LOCATING WIRE SHALL BE LAID ON TOP OF THE MAIN, AND SHALL BE TAPED TO IT AT 10' INTERVALS 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)

NOT TO SCALE

TITLE: LOCATING WIRE FOR PRESSURE MAINS
REVISION: 1/26/24 | DETAIL NO: G-03.dwg

January 26, 2024 11:18 AM S:\Utilities\ENGINEERING\ACAD\LCU-CAD-Stnds\151209 LCU STD DETAILS\CAD FILES\G-03.dwg

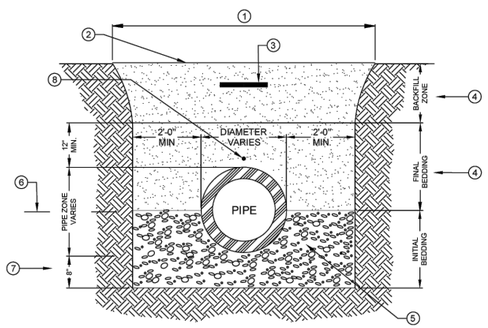


1. FINISHED GRADE
2. PEDESTAL HOUSING (SEE APPPROVED MATERIAL LIST) COLORS: BLUE - WATER, GREEN - SEWER, PANTONE - REUSE
3. EDGE OF RIGHT-OF-WAY
4. PVC STREET ELL
5. S.S. POST WITH S.S. HASRDWARE & S.S. LOCKING HASP WITH BRASS LOCK
6. SHORT BODY AUTOMATIC AIR RELEASE VALVE (SEE APPPROVED MATERIAL LIST) ALL INTERNAL WORKING PARTS SHALL BE 300 SERIES STAINLESS STEEL.
7. PVC SCHEDULE 80
8. PVC REDUCER IF NEEDED
9. BRASS BALL CORP. STOP
10. 2" POLY-TUBE
11. ¾" GRANULAR MATERIAL, #57 STONE
12. 2" BRASS FITTING IF NECESSARY
13. 1% MIN. SLOPE UP, 2" POLY-TUBE
14. TAP AT CROWN OF PIPE
15. 2" DOUBLE STRAP TAPPING SADDLE (SEE APPROVED MATERIAL LIST)
16. EXISTING PRESSURE MAIN
17. 24"
18. 30" MIN.
19. 30"X30"X6" MIN. CONCRETE PAD

NOT TO SCALE

TITLE: ARV DETAIL
REVISION: 5/31/24 | DETAIL NO: G-04.dwg

May 31, 2024 2:37 PM S:\Utilities\ENGINEERING\ACAD\LCU-CAD-Stnds\151209 LCU STD DETAILS\CAD FILES\G-04.dwg

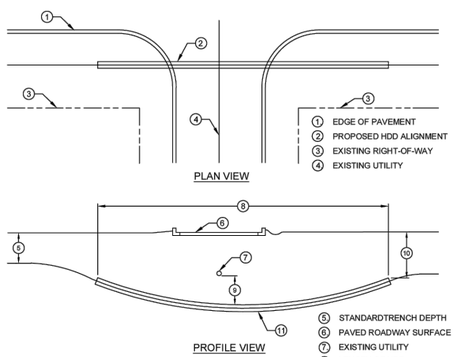


1. EXCAVATED TRENCH
2. FINISHED GRADE
3. MARKING TAPE 12" DEPTH MAX.
4. MATERIALS CLEAN DRY SAND, FINE LIME ROCK OR PIT SHELL MECHANICALLY COMPACTED IN 6" LIFTS TO AT LEAST 95% OF MAX. DENSITY, OR 98% IF UNDER PAVED AREA OF ROADWAY.
5. #57 STONE LOCATED UNDER PIPE OR EXISTING UNDISTURBED SUITABLE MATERIAL
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.

NOT TO SCALE

TITLE: TRENCH CROSSING
REVISION: 1/29/24 | DETAIL NO: G-05.dwg

January 29, 2024 7:12 AM S:\Utilities\ENGINEERING\ACAD\LCU-CAD-Stnds\151209 LCU STD DETAILS\CAD FILES\G-05.dwg



1. EDGE OF PAVEMENT
2. PROPOSED HDD ALIGNMENT
3. EXISTING RIGHT-OF-WAY
4. EXISTING UTILITY
5. STANDARDTRENCH DEPTH
6. PAVED ROADWAY SURFACE
7. EXISTING UTILITY
8. LENGTH OF HDD
9. 2' MINIMUM CLEARANCE
10. 30" MIN./ 48" MAX.
11. PROPOSED HDD ALIGNMENT

HDD INSTALLATION NOTES:

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE LEE COUNTY UTILITIES DESIGN MANUAL.
2. THE CONTRACTORSHALL BE RESPONSIBLE FOR NOTIFICATION OF AFFECTED AGENCIES AND COORDINATION WITH ALL UTILITIES PRIOR TO CONSTRUCTION.
3. ALL CONSTRUCTION MATERIALS, INCLUDING DRILLING FLUID, SHALL BE REMOVED FROM THE SITE PRIOR TO RESTORATION OF DISTURBED AREAS.
4. ALL RESTORATION WORK SHALL BE DONE IN ACCORDANCE WITH THE LCU DESIGN MANUAL.
5. CASING DIAMETER SHALL BE IN ACCORDANCE WITH THE LCU DESIGN MANUAL.
6. NO CASING SPACERS REQUIRED.
7. WHEN CASING IS REQUIRED, INSTALL 1" HDPE PIPE ATTACHED TO THE CARRIER PIPE WITH 12 GAUGE DOUBLE INSULATED COPPER WIRE INSIDE THE HDPE PIPE.

NOT TO SCALE

TITLE: HORIZONTAL DIRECTIONAL DRILL UNDER ROADWAY
REVISION: 1/30/24 | DETAIL NO: G-07.dwg

January 30, 2024 6:03 AM S:\Utilities\ENGINEERING\ACAD\LCU-CAD-Stnds\151209 LCU STD DETAILS\CAD FILES\G-07.dwg

JOHNSON ENGINEERING
— An Apex Company —
JOHNSON ENGINEERING, LLC.
2122 JOHNSON STREET
FORT MYERS, FLORIDA 33901
PHONE: (239) 334-0046
E.R. #642 & L.B. #642

DAVID BRICE TROUTEAUD, PE.
FL License No. 69783

FLORIDA GOVERNMENTAL UTILITY AUTHORITY

28th Street SW
Water Main Extension
Lee County, Florida

REVISIONS

NO.	DESCRIPTION	DATE

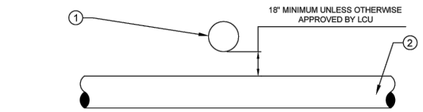
DATE:	JANUARY 30, 2026
PROJECT NO.	25010238
FILE NO.	31-44-26
SCALE:	AS SHOWN

DRAFT 100%
Construction Plans
General Details
1 of 3

SHEET NUMBER

D-01

\\fmsf01\Drawings\2025\25010238\Utilities\Drawings\25010238_Cover.dwg (D (1)) Michael.Tiseo Jan 29, 2026 - 4:57pm

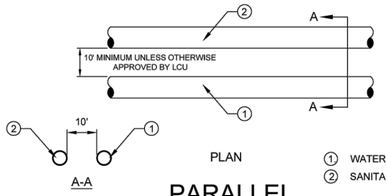


SECTION

CROSSING

1. WATER MAIN
2. SANITARY SEWER MAIN

NOTE: IF LESS THAN 18" CLEARANCE ENCASE WATER MAIN IN STEEL CASING



PLAN

PARALLEL

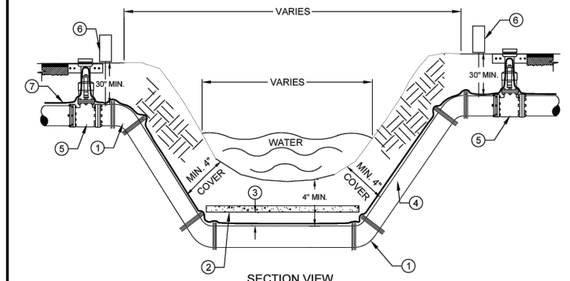
1. WATER MAIN
2. SANITARY SEWER MAIN

NOTE: IF LESS THAN 10' CLEARANCE ENCASE WATER MAIN IN STEEL CASING

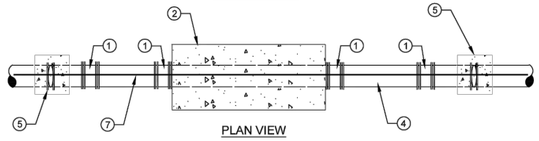
NOT TO SCALE

TITLE:	WATER AND SEWER CROSSING	
REVISION:	6/27/24	DETAIL NO: G-08.dwg

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. 45° M.J. ELBOW RESTRAINED
2. 2,500 MIN. P.S.I. CONCRETE PROTECTIVE PAD 4' WIDE MIN. X 4" THICK X OVERALL LENGTH OF PIPELINE CROSSING
3. 6" MIN. COMPACTED MATERIAL OR #57 STONE
4. USE PVC C-900 DR 14 MIN. FOR ALL SEWAGE FORCE MAINS. USE PRESSURE CLASS 350 DIP FOR ALL WATER MAINS
5. GATE VALVE OR PLUG VALVE INSTALL ATION PER LCU STANDARD DETAIL
6. AIR RELEASE VALVE (SEE APPROVED MATERIAL LIST)
7. 12 GAUGE DOUBLE INSUATED COPPER LOCATING WIRE (SEE LCU STANDARD DETAL)

NOT TO SCALE

TITLE:	SUBAQUEOUS CROSSING	
REVISION:	4/3/24	DETAIL NO: G-09.dwg

April 3, 2024 12:56 PM S:\Utilities\ENGINEERING\ACAD\LCU-CAD-Stnds\151209 LCU STD DETAILS\CAD FILES\G-09.dwg

PIPE SIZE	HORIZONTAL DEFLECTIONS				VERTICAL DEFLECTIONS		DEAD ENDS/ VALVES	REDUCERS (SEE NOTES)		
	90° BENDS Lr (FT.)	45° BENDS Lr (FT.)	22.5° BENDS Lr (FT.)	11.25° BENDS Lr (FT.)	45° BENDS (SEE NOTE 2)			SIZE	L(A) (FT.)	L(B) (FT.)
					Lhs (FT.)	Lls (FT.)	Lr (FT.)			
4"	27	11	5	3	31	8	60	6 x 4	64	43
6"	37	15	7	4	43	11	84	8 x 6	60	46
8"	48	20	10	5	57	15	110	8 x 4	153	79
10"	57	24	11	6	68	17	131	10 x 8	55	44
12"	57	24	11	6	68	19	131	10 x 6	133	81
16"	58	24	12	6	55	19	106	12 x 10	46	38
20"	70	29	14	7	67	23	129	12 x 8	104	69
24"	81	33	16	8	78	27	150	16 x 12	61	45
								16 x 10	103	63
								20 x 16	58	45
								20 X 12	139	81
								24 x 20	55	45
								24 x 16	128	82

RUN SIZE	TEES		
	BRANCH SIZE	Lm (FT.)	Lbr (FT.)
4"	4"	10	11
6"	6"	10	34
	4" OR LESS	10	FITTING ONLY
8"	8"	10	59
	6"	10	17
	4" OR LESS	10	FITTING ONLY
10"	10"	10	80
	8"	10	45
	6" OR LESS	10	FITTING ONLY
12"	12"	10	79
	10"	10	49
	8"	10	15
	6" OR LESS	10	FITTING ONLY
16"	16"	10	73
	12"	10	38
	10"	10	16
	8" OR LESS	10	FITTING ONLY
20"	20"	10	95
	16"	10	63
	12"	10	24
	10" OR LESS	10	FITTING ONLY
24"	24"	10	116
	20"	10	87
	16"	10	53
	12"	10	10
	10" OR LESS	10	FITTING ONLY

TABLE.

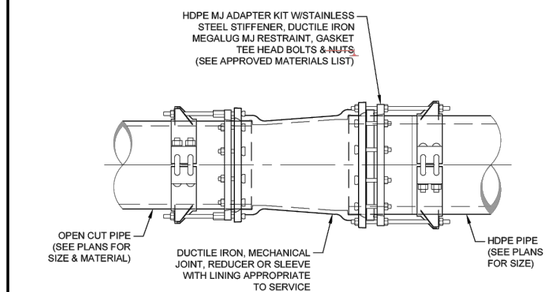
NOTES:
1. LENGTHS SHOWN IN THIS TABLE ARE TO BE INTERPRETED AS FOLLOWS:
   Lhs = RESTRAINED LENGTH FROM HIGH SIDE FITTING OF A VERTICAL DEFLECTION
   Lls = RESTRAINED LENGTH FROM LOW SIDE FITTING OF A VERTICAL DEFLECTION
   Lr = RESTRAINED LENGTH ON BOTH SIDES FROM FITTING
   Lm = MINIMUM LENGTH TO FIRST JOINT OF RUN ON BOTH SIDES
   Lbr = RESTRAINED LENGTH REQUIRED ON BRANCH FROM FITTING
   L(A) = LENGTH OF PIPE ON SMALL SIDE FREE OF FITTING
   L(B) = RESTRAINED LENGTH ON LARGE SIDE OF REDUCER
2. A SAFETY FACTOR = 2.5 IS USED FOR VERTICAL DEFLECTIONS TO COMPENSATE FOR SATURATED SOIL CONDITIONS. A SAFETY FACTOR = 2.0 IS USED FOR ALL OTHER CASES.
3. L(A) AND L(B) ABOVE ARE TWO OPTIONS FOR PROVIDING THRUST RESTRAINT FOR THE REDUCER. EITHER L(A) LENGTH OF PIPE FREE OF FITTINGS (BENDS, TEES, REDUCERS, VALVES) ON THE SMALL SIDE OF THE REDUCER OR L(B) RESTRAINED LENGTH ON THE LARGE SIDE OF THE REDUCER WILL PROVIDE THE REQUIRED RESTRAINT. NO RESTRAINT IS REQUIRED ON THE SMALL SIDE OF A REDUCER.
4. ALL DEAD END LINES OR VALVES, PERMANENT OR TEMPORARY, SHALL BE RESTRAINED PER THE ABOVE RESTRAINT

RESTRAINT TABLE

NOT TO SCALE

TITLE:	RESTRAINED LENGTH SCHEDULE	
REVISION:	6/17/24	DETAIL NO: G-10.dwg

June 17, 2024 1:26 PM S:\Utilities\ENGINEERING\ACAD\LCU-CAD-Stnds\151209 LCU STD DETAILS\CAD FILES\G-10.dwg

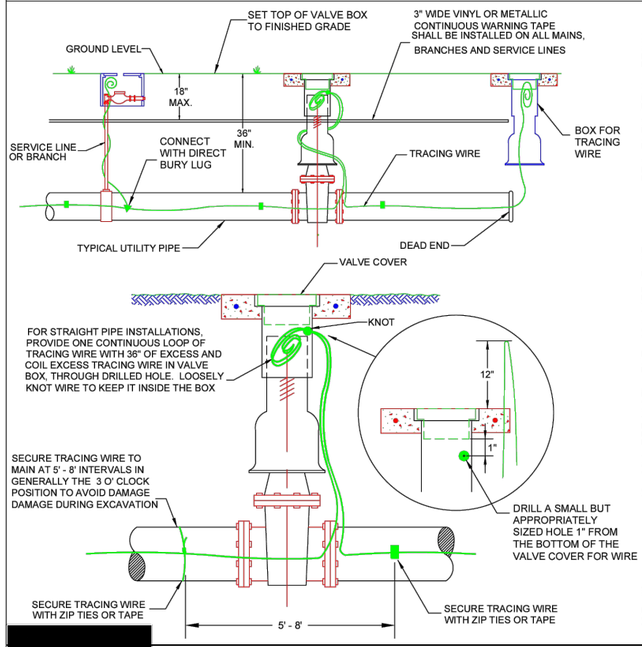


NOT TO SCALE

TITLE:	HDPE TRANSITION CONNECTION	
REVISION:	4/12/24	DETAIL NO: G-13.dwg

April 12, 2024 8:04 AM S:\Utilities\ENGINEERING\ACAD\LCU-CAD-Stnds\151209 LCU STD DETAILS\CAD FILES\G-13.dwg

PUBLIC WORKS & UTILITIES ENGINEERING & DESIGN STANDARDS



TRACING WIRE GENERAL NOTES:

A TRACING WIRE SHALL BE INSTALLED ON ALL POTABLE WATER, RECLAIMED WATER, AND SANITARY SEWER PIPE. THE WIRE SHALL BE INSTALLED SO THAT ALL PIPE, INCLUDING PIPE BRANCHES, CAN BE TRACED WITHOUT LOSS OR DETERIORATION OF SIGNAL OR WITHOUT THE TRANSMITTED SIGNAL MIGRATING OFF THE WIRE. THE CONTRACTOR SHALL BE REQUIRED TO PERFORM A CONTINUITY TEST ON ALL TRACING WIRE IN THE PRESENCE THE DESIGNATED REPRESENTATIVE USING A STANDARD HAND HELD DETECTOR TO TRACE THE SIGNAL. IF THE TRACING WIRE IS FOUND TO BE NOT CONTINUOUS AFTER TESTING, CONTRACTOR SHALL REPAIR OR REPLACE THE FAILED SEGMENT OF WIRE.

APPROVED TRACING WIRE MATERIAL:
WIRE FOR DIRECT BURY APPLICATIONS: TRACING WIRE SHALL BE #12 AWG HIGH STRENGTH COPPER CLAD STEEL CONDUCTOR (HS-CCS), INSULATED WITH A 30 MIL, HIGH MOLECULAR WEIGHT - HIGH DENSITY POLYETHYLENE (HMW-HDPE) INSULATION, BREAK LOAD 1350# MINIMUM, AND RATED FOR DIRECT BURIAL USE AT 30 VOLTS AS MANUFACTURED BY COPPERHEAD INDUSTRIES, LLC, OR APPROVED EQUAL.

WIRE FOR DIRECTIONAL DRILL APPLICATIONS: TRACING WIRE SHALL BE #12 AWG EXTRA HIGH STRENGTH COPPER CLAD STEEL (EHS-CCS), INSULATED WITH A 45 MIL, HIGH MOLECULAR WEIGHT - HIGH DENSITY POLYETHYLENE (HMW-HDPE) INSULATION, BREAK LOAD 1150# MINIMUM, AND APPROVED FOR DIRECTIONAL DRILL APPLICATIONS SUCH AS SOLOSHOT™ MANUFACTURED BY COPPERHEAD INDUSTRIES, LLC, OR APPROVED EQUAL.

WIRE FOR PIPE BURSTING APPLICATIONS: TRACING WIRE SHALL BE MULTI-STRAND STAINLESS STEEL TRACING WIRE APPROVED FOR PIPE BURSTING APPLICATIONS SUCH AS SOLOSHOT™ BURST MANUFACTURED BY COPPERHEAD INDUSTRIES, LLC OR MEETING THE FOLLOWING MINIMUM REQUIREMENTS:

WIRE:
MATERIAL: 316 STAINLESS STEEL ALLOY, 49 STRANDS, ANNEALED
RATING: 30 VOLTS MAXIMUM, 1,700 LB BREAK LOAD
THICKNESS: 0.125" OVERALL DIAMETER (DIMENSIONALLY EQUIVALENT TO #8 AWG)

INSULATING JACKET: 45 MIL, HIGH MOLECULAR WEIGHT - HIGH DENSITY POLYETHYLENE (HMW-HDPE); 30 VOLT MAXIMUM

DIRECT BURY WIRE NUTS: SHALL BE DRYCONN™ MANUFACTURED BY KING INNOVATION, DBY OR DBR SERIES MANUFACTURED BY 3M™, SNAKEBITE™ MANUFACTURED BY COPPERHEAD INDUSTRIES, LLC, OR APPROVED EQUAL.

DIRECT BURY LUGS: SHALL BE DRYCONN™ MANUFACTURED BY KING INNOVATION, OR APPROVED EQUAL.

EXECUTION:
DIRECT BURY INSTALLATION: INSTALL IN THE SAME TRENCH WITH PIPE, LAYING TRACING WIRE FLAT AND SECURELY AFFIXED TO THE PIPE AT 5 TO 8 FOOT INTERVALS IN GENERALLY THE THREE O-CLOCK POSITION TO AVOID DAMAGE DURING EXCAVATION. METALLIC FASTENERS ARE NOT TO BE USED. INSTALL WIRE WITH SOME SLACK TO ALLOW FOR BENDS IN LAYING AND FOR FUTURE INSTALLATION OF JOINTS, SPLICES, TAPPING SADDLES, ETC. THE SLACK SHOULD BE SUFFICIENT TO ALLOW FOR SMALL EARTH MOVEMENTS OCCURRING DURING COMPACTION, TRENCH FILL OR NATURAL SUBSIDENCE. NO BREAKS OR CUTS IN THE TRACING WIRE OR WIRE INSULATION IS PERMITTED. AT WATER SERVICE SADDLES, THE WIRE SHALL NOT BE ALLOWED TO BE PLACED BETWEEN THE SADDLE AND THE MAIN.

DIRECTIONAL DRILL OR PIPE BURSTING INSTALLATION: INSTALL INSIDE THE BORED HOLES AND CASING WITH PIPE DURING INSTALLATION. ALWAYS ATTACH THE TRACING WIRE TO THE LEAD END OF THE PIPE WHEN BORING OR PLOWING AND AVOID KINKING OR TANGLING THE WIRE DURING INSTALLATION. A MINIMUM OF TWO TRACING WIRES SHOULD BE PULLED WITH THE PIPE IN CASE ONE OF THE TWO WIRES BREAK.

ACCESS POINTS: TRACING WIRE ACCESS POINTS SHALL IN GENERAL BE NO MORE THAN FIVE-HUNDRED (500) FEET APART AND AT EVERY PROPOSED CONCRETE VALVE BOX COLLAR. WIRE IN VALVE BOXES ARE VULNERABLE TO BEING TWISTED AROUND VALVE KEYS AND SNAPPED, OR PUSHED TO THE BOTTOM OF THE VALVE BOX WHERE THEY ARE INACCESSIBLE TO THE LOCATOR. TO MITIGATE THESE PROBLEMS, WIRE SHALL ENTER THE VALVE BOX NEAR THE TOP WHERE IT CAN BE COILED JUST UNDER THE VALVE COVER. THE WIRE SHALL EXTEND A MINIMUM OF 12" ABOVE THE TOP OF VALVE SO THAT IT CAN BE EASILY PULLED OUT OF THE WAY BEFORE OPERATING THE VALVE. ON FORCE MAINS, DEAD END MAINS, LONG UTILITY RUNS THAT EXCEED 500 FEET, AND OTHER SIMILAR APPLICATIONS WITHOUT A VALVE OR METER BOX, WIRE SHALL BE BROUGHT TO THE SURFACE IN A METAL -APPROVED VALVE BOX FOR ACCESSIBILITY. ACCESS POINTS SHALL BE WITHIN PUBLIC RIGHT-OF-WAY OR PUBLIC UTILITY EASEMENTS.

TRACING WIRE IN A VAULT: TRACING WIRE SHALL BE BROUGHT UP ON THE OUTSIDE OF THE VAULT AND PLACED INSIDE THE VAULT THROUGH A GROUT HOLE OPPOSITE ANY ACCESS STEPS. COIL ENOUGH WIRE TO EXTEND A MINIMUM OF 36" ABOVE GROUND. WIRE SHOULD NOT BE PLACED WHERE A PERSON ENTERING THE VAULT COULD TRIP ON THE WIRE.

CONNECTIONS: EXCEPT FOR APPROVED SPLICE-IN CONNECTIONS, TRACING WIRE SHALL BE CONTINUOUS AND WITHOUT SPLICES FROM EACH TRACING WIRE ACCESS POINT. APPROVED SPLICE-IN CONNECTIONS ARE AS FOLLOWS:

JOINING ENDS OF TRACING WIRE: CONNECTIONS INTO EXISTING TRACING WIRE, CONNECTIONS INTO TRACING WIRE USED DURING PIPE BORES, CONNECTIONS BETWEEN ONE SPOOL OF TRACING WIRE TO ANOTHER, AND OTHER SIMILAR CONNECTIONS SHALL BE MADE USING A DIRECT BURY NUT. WHEN CONNECTING TRACING WIRE ENDS TOGETHER, STRIP 5/8" OF INSULATION FROM THE END OF EACH WIRE. INSERT THE TWO ENDS FIRMLY INTO THE DIRECT BURY WIRE NUT. TWIST THE WIRE NUT CLOCKWISE WHILE PUSHING THE WIRES FIRMLY INTO THE NUT. DO NOT OVER TORQUE. TIE THE WIRES IN A LOOSE KNOT BELOW THE WIRE NUT.

JOINING TRACING WIRE - BRANCH TO MAIN: CONNECTIONS OF TRACING WIRE AT TEES, CROSSES, AND AT LOCATIONS WHERE THE TRACING WIRE WILL BE BROUGHT TO THE SURFACE SHALL BE CONDUCTED USING A DIRECT BURY LUG.

JACKET COLOR: THE APWA UNIFORM COLOR CODE SHALL BE FOLLOWED. (BLUE - POTABLE WATER; PURPLE - RECLAIMED WATER; GREEN - SANITARY SEWER)

REPAIRS: AT ALL REPAIR LOCATIONS WHERE THERE IS EXISTING TRACING WIRE, THE WIRE SHALL BE PROPERLY RECONNECTED AND SPLICED AS OUTLINED ABOVE. ELECTRICAL TAPE IS NOT AN ACCEPTABLE REPAIR SINCE CORROSION WILL EVENTUALLY OCCUR AND THE LOCATE SIGNAL WILL BE LOST TO GROUND AT THE CONNECTION.

UTILITY PIPE TRACING WIRE, LOCATION & MATERIALS

JOHNSON ENGINEERING
— An Apex Company —
JOHNSON ENGINEERING, LLC.
2122 JOHNSON STREET
FORT MYERS, FLORIDA 33901
PHONE: (239) 334-0046
E.R. #642 & L.B. #642

DAVID BRICE TROUTEAUD, PE.
FL License No. 69763

FLORIDA GOVERNMENTAL UTILITY AUTHORITY

28th Street SW
Water Main Extension
Lee County, Florida

REVISIONS

NO.	DESCRIPTION	DATE

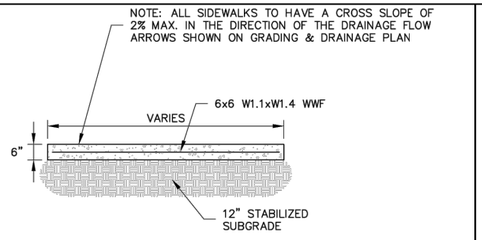
DATE:	JANUARY 30, 2026
PROJECT NO.	25010238
FILE NO.	31-44-26
SCALE:	AS SHOWN

DRAFT 100%
Construction Plans
General Details
2 of 3

SHEET NUMBER

D-02

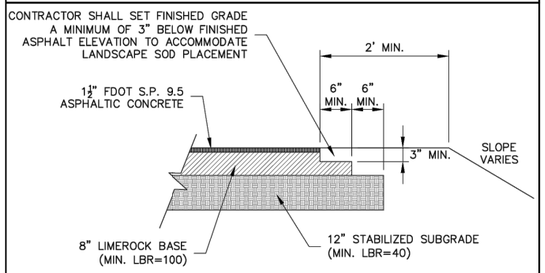
\\fmns01\Drawings\2025\25010238\Utilities\Drawings\25010238_Cover.dwg (0 (2)) Michael.Tiseo Jan 29, 2026 - 4:57pm



NOTE: CONCRETE TO BE 3,000 PSI WITH CONTRACTION JOINTS AT 5' INTERVALS. IN-LIEU OF WIRE MESH, CONCRETE MAY USE FIBER REINFORCED (3 LB/CY).

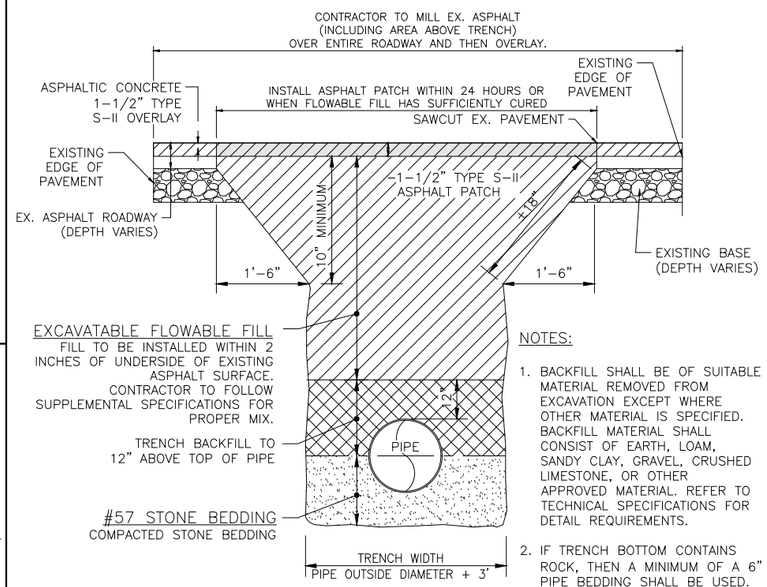
SIDEWALK DETAIL

N.T.S.



TYPICAL PAVEMENT SECTION

N.T.S.

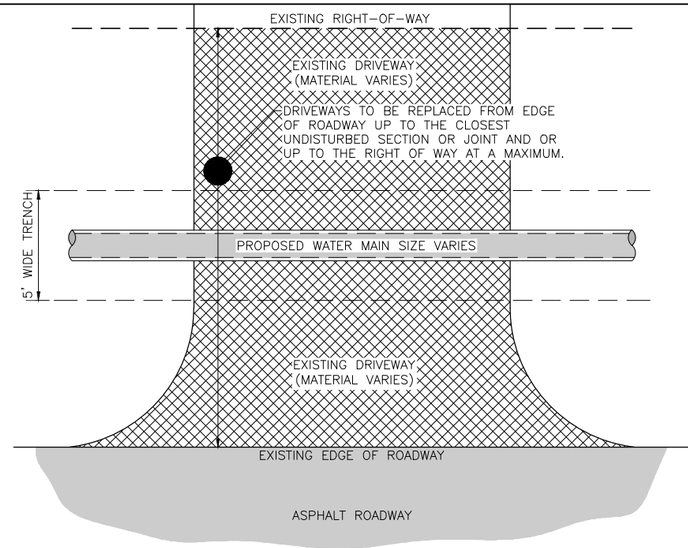


NOTES:

1. BACKFILL SHALL BE OF SUITABLE MATERIAL REMOVED FROM EXCAVATION EXCEPT WHERE OTHER MATERIAL IS SPECIFIED. BACKFILL MATERIAL SHALL CONSIST OF EARTH, LOAM, SANDY CLAY, GRAVEL, CRUSHED LIMESTONE, OR OTHER APPROVED MATERIAL. REFER TO TECHNICAL SPECIFICATIONS FOR DETAIL REQUIREMENTS.
2. IF TRENCH BOTTOM CONTAINS ROCK, THEN A MINIMUM OF A 6" PIPE BEDDING SHALL BE USED.

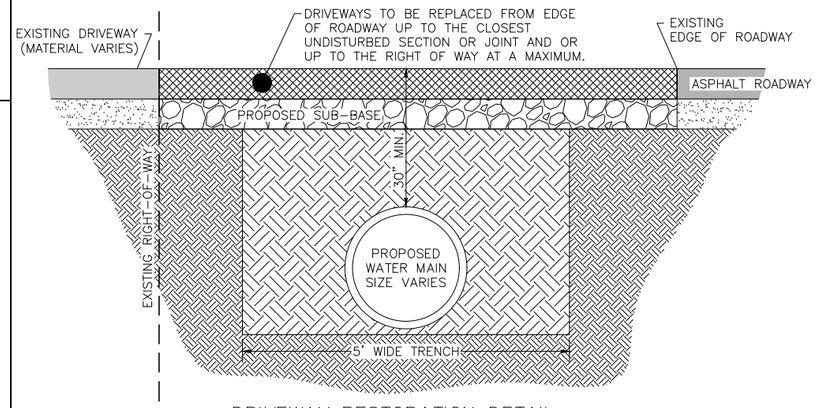
PAVED AREA TRENCH RESTORATION DETAIL

NTS



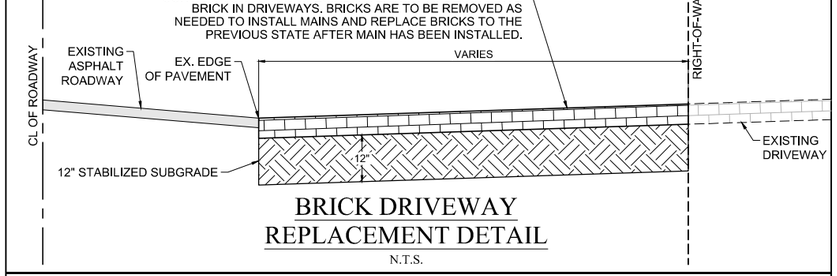
DRIVEWAY RESTORATION DETAIL PLAN VIEW

N.T.S.



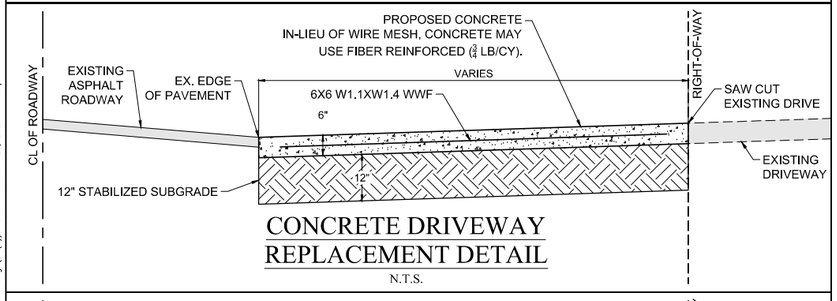
DRIVEWAY RESTORATION DETAIL CROSS SECTION

N.T.S.



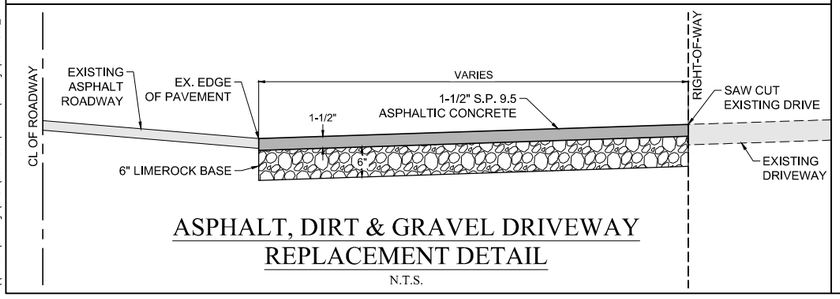
BRICK DRIVEWAY REPLACEMENT DETAIL

N.T.S.



CONCRETE DRIVEWAY REPLACEMENT DETAIL

N.T.S.



ASPHALT, DIRT & GRAVEL DRIVEWAY REPLACEMENT DETAIL

N.T.S.

JOHNSON ENGINEERING
— An Apex Company —
JOHNSON ENGINEERING, LLC.
2122 JOHNSON STREET
FORT MYERS, FLORIDA 33901
PHONE: (239) 334-0046
E.R. #642 & L.B. #642
DAVID BRICE TROUTEAUD, P.E.
FL License No. 69783

FLORIDA GOVERNMENTAL UTILITY AUTHORITY

28th Street SW
Water Main Extension
Lee County, Florida

REVISIONS

NO.	DESCRIPTION	DATE

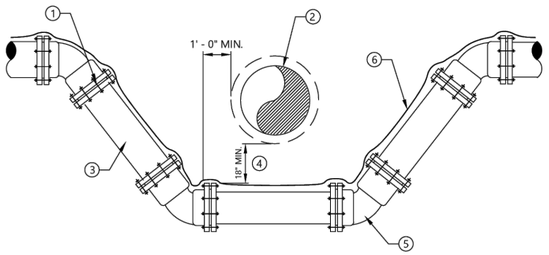
DATE:	JANUARY 30, 2026
PROJECT NO.	25010238
FILE NO.	31-44-26
SCALE:	AS SHOWN

DRAFT 100%
Construction Plans
General Details
3 of 3

SHEET NUMBER

D-03

\\fmp01\Drawings\2025\25010238\Utilities\Drawings\25010238_Cover.dwg (0 (31)) Michael.Tiseo Jan 29, 2026 - 4:57pm

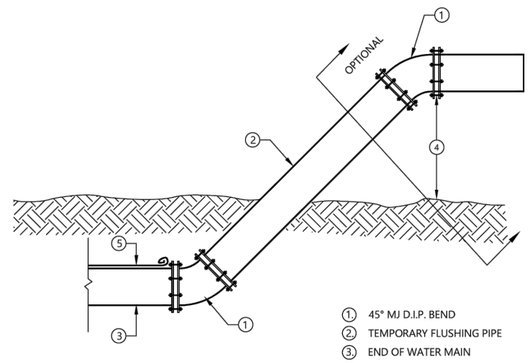


1. LCU APPROVED JOINT RESTRAINT FOR D.I., M.J. PIPE AND FITTINGS PLACED IN ACCORDANCE WITH JOINT RESTRAINT SCHEDULE (SEE DETAIL G-10).
2. CONFLICT PIPE
3. LCU APPROVED DUCTILE IRON PIPING PRESSURE CLASS 350
4. 18" MIN. UNLESS OTHERWISW APPROVED BY LCU
5. 45° MECHANICAL JOINT FITTING, TYPICAL
6. 10 GAUGE DOUBLE INSULATED COPPER WIRE (SEE LCU STANDARD DETAIL)

NOT TO SCALE

TITLE: WATER PRESSURE LINE VERTICAL OFFSET W/DIP & MJ FITTINGS
REVISIONS 2/27/24 | DETAIL NO. W-01.dwg

February 27, 2024 8:54 AM S:\Utilities\ENGINEERING\ACAD\LCU-CAD-Stnds\151209 LCU STD DETAILS\CAD FILES\W-01.dwg



1. 45° MJ D.I.P. BEND
2. TEMPORARY FLUSHING PIPE
3. END OF WATER MAIN
4. 24" MIN.

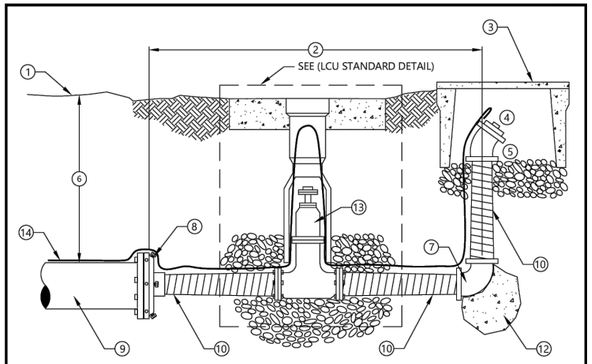
NOTES:

1. FLUSHING DETAIL TO BE USED ON WATER LINES 8" DIAMETER OR GREATER.
2. FLUSHING PIPE SHALL BE THE SAME DIAMETER AS WATER MAIN.
3. CONTRACTOR SHALL PROVIDE ADEQUATE DRAINAGE FOR FLUSHED WATER.
4. PROVIDE M.J. CAP IF ASSEMBLY IS LEFT IN PLACE UNATTENDED.
5. 10 GAUGE DOUBLE INSULATED COPPER LOCATING WIRE (SEE LCU STANDARD DETAIL)

NOT TO SCALE

TITLE: WATER MAIN FLUSHING DETAIL
REVISIONS 2/27/24 | DETAIL NO. W-02.dwg

February 27, 2024 9:30 AM S:\Utilities\ENGINEERING\ACAD\LCU-CAD-Stnds\151209 LCU STD DETAILS\CAD FILES\W-02.dwg



1. FINISHED GRADE
2. 5'-0" MAX.
3. WATER METER BOX W/GRAVEL BOTTOM (SEE APPROVED MATERIAL LIST)
4. 2" THREADED PLUG (BRASS)
5. 2" - 45° BEND (BRASS)
6. 30" MIN."
7. 2" - 90° BEND (BRASS)
8. M.J. CAP WITH 2" TAP
9. END OF WATER MAIN, R.J. PER SCHEDULE
10. 2" THREADED BRASS NIPPLE
11. NOT USED
12. POURED IN PLACE THRUST BLOCKING (SEE DETAIL X-XX)
13. 2" IRON BODY GATE VALVE, THREADED
14. 10 GAUGE DOUBLE INSULATED COPPER LOCATING WIRE (SEE LCU STANDARD DETAIL)

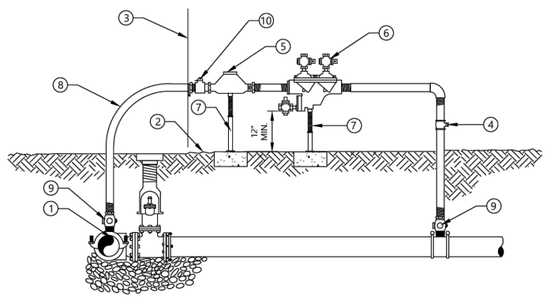
NOTE:

ALL PIPING TO BE 2" THREADED FITTINGS OR SOLVENT

NOT TO SCALE

TITLE: BLOW OFF DETAIL
REVISIONS 2/27/24 | DETAIL NO. W-03.dwg

February 27, 2024 11:11 AM S:\Utilities\ENGINEERING\ACAD\LCU-CAD-Stnds\151209 LCU STD DETAILS\CAD FILES\W-03.dwg



NOTES:

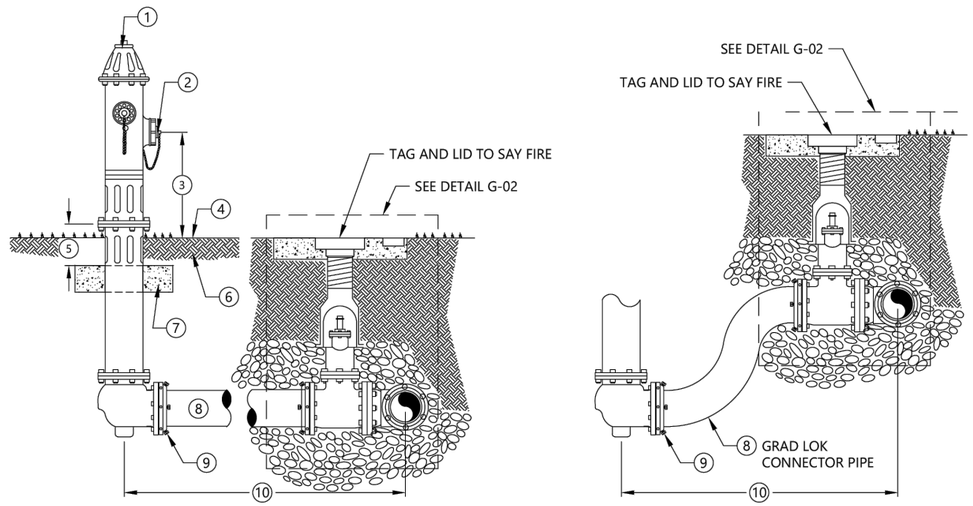
CONTRACTOR/CUSTOMER SHALL APPLY AT LEE COUNTY UTILITIES FOR TEMPORARY WATER SERVICE FIVE DAYS PRIOR TO REQUIRED SERVICE DATE. THE METER ONLY WILL BE FURNISHED BY LEE COUNTY UTILITIES. ALL FITTINGS, PIPING, VALVES AND MATERIALS SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR/CUSTOMER. THE APPROVED 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 DEPARTMENT OF HEALTH 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

NOT TO SCALE

TITLE: TEMPORARY CONSTRUCTION JUMPER WITH METER
REVISIONS 2/27/24 | DETAIL NO. W-04.dwg

February 27, 2024 11:25 AM S:\Utilities\ENGINEERING\ACAD\LCU-CAD-Stnds\151209 LCU STD DETAILS\CAD FILES\W-04.dwg



1. FIRE HYDRANT: STANDARD A.W.W.A. SAFETY YELLOW (SEE APPROVED MATERIAL LIST)
2. PUMPER CONNECTION FACING AS PER FIRE DISTRICT RECOMMENDATION
3. 18" MIN. - 24" MAX.
4. FINISHED GRADE
5. 6" MIN. CLEARANCE
6. COMPACTED FILL
7. 24" X 2" X 4" CONCRETE BREAK AWAY CONCRETE PAD, 3000 P.S.I.
8. PIPE TO BE D.I.P., PRESSURE CLASS 350 OR GRADE LOK CONNECTOR PIPE WITH SPLIT GLAND MECHANICAL RESTRAINED JOINT & FITTINGS
9. RESTRAINED JOINTS, FROM HYDRANT TO WM
10. VARIABLE DISTANCE, IF GREATER THAN 100' A VALVE SHALL BE INSTALLED AT HYDRANT BASE

NOT TO SCALE

TITLE: FIRE HYDRANT ASSEMBLY
REVISIONS 3/6/24 | DETAIL NO. W-12.dwg

March 6, 2024 7:05 AM S:\Utilities\ENGINEERING\ACAD\LCU-CAD-Stnds\151209 LCU STD DETAILS\CAD FILES\W-12.dwg

JOHNSON ENGINEERING
— An Apex Company —
JOHNSON ENGINEERING, LLC.
2122 JOHNSON STREET
FORT MYERS, FLORIDA 33901
PHONE: (239) 334-0046
E.R. #642 & L.B. #642

DAVID BRICE TROUTEAUD, P.E.
FL License No. 69783

FLORIDA GOVERNMENTAL UTILITY AUTHORITY

28th Street SW
Water Main Extension
Lee County, Florida

REVISIONS

NO.	DESCRIPTION	DATE

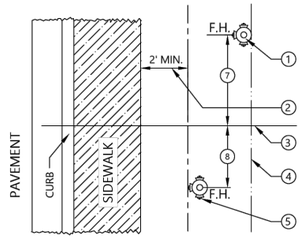
DATE:	JANUARY 30, 2026
PROJECT NO.	25010238
FILE NO.	31-44-26
SCALE:	AS SHOWN

DRAFT 100%
Construction Plans
Water Main Details
1 of 2

SHEET NUMBER

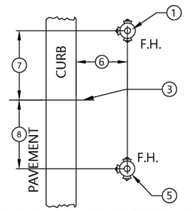
D-04

\\fmsf01\Drawings\2025\25010238\Utilities\Drawings\25010238_Cover.dwg (D (4)) Michael.Tiseo Jan 29, 2026 – 4:57pm



PARKWAY AREA WITH SIDEWALK

(PLAN VIEW)



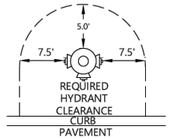
PARKWAY AREA OR NO SIDEWALK

(PLAN VIEW)

1. PREFERRED LOCATION
2. F.H. TO BE LOCATED 2' MINIMUM FROM EDGE OF SIDEWALK
3. P.T. OR P.C. OF CURB RETURN
4. PROPERTY LINE RIGHT-OF-WAY OR LIMIT OF EASEMENT
5. ACCEPTABLE LOCATION WITH CURB RADIUS OF 20' OR MORE
6. BETWEEN 5'-0" MIN. AND 10'-0" MAX.
7. 6'-0"
8. 4'-0"

NOTES:

1. OBSTRUCTIONS SUCH AS UTILITY POLES, STREET SIGNS, IRRIGATION BOXES, FENCES, ETC. SHALL NOT BE PLACED BETWEEN CURB AND HYDRANT.
2. SOME LOCATIONS APPLY AT EITHER END OF CURB RETURNS.
3. DIMENSIONS SHOWN ON CONSTRUCTION DRAWINGS SUPERCEDE LOCATIONS SHOWN HERE.

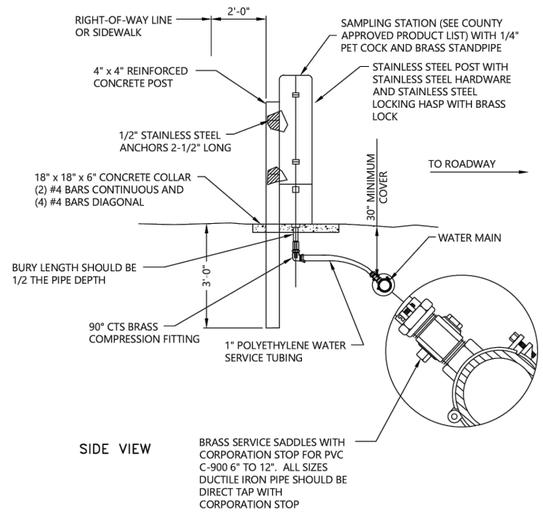


(PLAN VIEW)

NOT TO SCALE

TITLE:	WATER PRESSURE LINE VERTICAL OFFSET W/DIP & MJ FITTINGS	
REVISIONS	3/7/24	DETAIL NO. W-13.dwg

March 7, 2024 6:51 AM S:\Utilities\ENGINEERING\ACAD\LCU-CAD-Stnds\151209 LCU STD DETAILS\CAD FILES\W-13.dwg



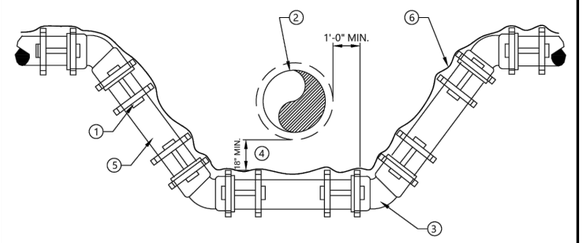
NOTE:

1. 3' CLEARANCE ALL AROUND CONCRETE COLLAR

NOT TO SCALE

TITLE:	BACTERIA SAMPLE VALVE	
REVISIONS	3/20/24	DETAIL NO. W-14.dwg

March 20, 2024 1:26 PM S:\Utilities\ENGINEERING\ACAD\LCU-CAD-Stnds\151209 LCU STD DETAILS\CAD FILES\W-14.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)

NOT TO SCALE

TITLE:	WASTE WATER FM VERTICAL OFFSET WITH FITTINGS	
REVISIONS	3/7/24	DETAIL NO. S-01.dwg

March 7, 2024 10:42 AM S:\Utilities\ENGINEERING\ACAD\LCU-CAD-Stnds\151209 LCU STD DETAILS\CAD FILES\S-01.dwg

JOHNSON ENGINEERING
— An Apex Company —
JOHNSON ENGINEERING, LLC.
2122 JOHNSON STREET
FORT MYERS, FLORIDA 33901
PHONE: (239) 334-0046
E.R. #642 & L.B. #642

DAVID BRICE TROUTEAUD, P.E.
FL License No. 69783

FLORIDA GOVERNMENTAL UTILITY AUTHORITY

28th Street SW
Water Main Extension
Lee County, Florida

REVISIONS

NO.	DESCRIPTION	DATE

DATE:	JANUARY 30, 2026
PROJECT NO.	25010238
FILE NO.	31-44-26
SCALE:	AS SHOWN

DRAFT 100%
Construction Plans
Water Main Details
2 of 2

SHEET NUMBER

D-05

\\fhms01\Drawings\2025\25010238\Utilities\Drawings\25010238_Cover.dwg (D (5)) Michael.Tisco Jan 29, 2026 - 4:57pm



PLAT OF
UNIT 2
LEHIGH ESTATES
A SUBDIVISION OF
LEHIGH ACRES
LEE COUNTY, FLORIDA

LEE COUNTY LAND & TITLE CO., DEVELOPERS

Scale: 0 100 200 300 400 — December 1959

DESCRIPTION

That part of Section 31, Township 44 South, Range 26 East, lying Northerly of State Road No. 82, except that part lying Easterly of the following described line: From the Northeast corner of said Section 31 go S 00°37'16" E (along the East line of said Section 31) a distance of 1360.76 feet to the point of beginning of said line: thence said line goes S 44°04'13" W a distance of 3215.14 feet, more or less, to the Northeasterly Right of Way line of said State Road No. 82 and terminates. And the South 3.28 Feet of Section 30, Township 44 South, Range 26 East.

SURVEYORS CERTIFICATE

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.

R. V. Jamme
Florida Registered Land Surveyor
No. 1198

NOTE:
All lots subject to a 6 foot Utilities 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.
Unless otherwise shown corner lot radii are 25 feet and the lot dimensions are to the straight line intersections except where arc dimensions are shown.

NOTE
DIMENSIONS, BEARINGS, LOT AND LAND LINES ON DRAWING OF LATEST DATE SHALL GOVERN.

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 #26-67

Recommended Action

Engineering Review:

By: _____ 4/23/2026 **Approved _X_ Denied __**

District Field Review:

By: _____ **Approved ___ Denied ___**

District Manager: _____ **Date**: _____

Comments:

The referenced permit application for a boring under Amberjack Canal at 28th St SW, 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 #26-20, PER #26-21, PER #26-24, PER #26-25 & PER #26-26 - Lumos Fiber Bores

Meeting Date: 18-May-26

Agenda Item # 2N

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

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

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

Recommended motion: Move to approve PER #26-20, PER #26-21, PER #26-24, PER #26-25 & PER #26-26 - Lumos Fiber Bores under LA-MSID canals, with any listed stipulations.

What the action accomplishes: Approves 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 #26-20 = $2,962.50, PER #26-21 = $1,950.00, PER #26-24 = $3,900.00, PER #26-25 = $3,900.00 & PER #26-26 = $3,900.00

Staff comments: Approved according to the revised plans for each crossing submitted April 30, 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 18th day of May, 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. Easy Canal (47-16-1), along the east side of Richmond Ave. N., between E. 16th St. & E. 15th 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. 26-20

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 #26-20 is approved according to the revised plans submitted April 30th, 2026.

2). The proposed directional bore must maintain a minimum clearance of 10 feet below the bottom elevation of the canal for the entire 147.53' width of 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 Richmond Ave. N.

PART I

DATE SUBMITTED: 04 - 28 - 26

PERMIT #: 26 - 20

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 #:** 502552-2733

PROJECT NAME: U38566 - WEST EASY CANAL - 1520 RICHMOND AVE N-LA-MSID-1

TOTAL ACREAGE: N/A

Property Address (STRAP associated with this address will be used as the primary STRAP for this project): 1520 RICHMOND AVE N					
Mailing Address:					
City:	LEHIGH ACRES	**State:**	FL	**Zip:**	33972

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

1	6	-	4	4	-	2	7	-	L	1	-	1	1	0	4	4	-	0	0	2	0

Brief description of proposed project:

Application for:

Directional bore placing 147.53' of (2) 1.25" HDPE SDR 11 Conduit Equipped with (1) 288-CT Microfiber Optic cable under West East Canal along the East side of Richmond Ave N. between E 16th St and E 15th St.

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

Estimated # of Phases:	1
***Permit Fee:**	$2,962.95 **(to be verified by staff)**

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

RECEIVED

APR 30 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 28th day of April (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.

GRIDIRON
P.O. BOX 1028
WAYNESBORO, VA 22980

FIFTH THIRD BANK
13-31/420

60002673

02/12/2026

PAY TO THE ORDER OF LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT $ **$1,650.00

one thousand six hundred fifty and 00/100********** DOLLARS

VOID IF NOT CASHED IN 90 DAYS

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRI
601 East County Ln
Lehigh Acres FL 33936
United States

MEMO

MP

⑈60002673⑈ ⑆042000314⑆70291001125⑈

GRIDIRON 60002673

02/12/2026 404662 LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

Type	Ref. No.	Date	Description	Orig. Amt.	Amt. Due	Credit	Payment
Bill	43			$1,650.00	$1,650.00		$1,650.00

GRIDIRON 60002673

02/12/2026 404662 LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

Type	Ref. No.	Date	Description	Orig. Amt.	Amt. Due	Credit	Payment
Bill	43			$1,650.00	$1,650.00		$1,650.00

Permit #26-20

This amount does not match the application or the right fee amount

Scanned with CamScanner

MSC 1
2/15/26

PART I

DATE SUBMITTED: 02-10-26

PERMIT #: 26-20

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_009_FDH_09 1520 RICHMOND AVE N - West Easy Canal Crossing.

TOTAL ACREAGE: NA

Property Address (STRAP associated with this address will be used as the primary STRAP for this project): 1520 RICHARD AVE					
Mailing Address:	NA				
City:	Lehigh Acres	**State:**	FL	**Zip:**	33972

STRAP NUMBERS (attach additional sheet if necessary):

1	3	-	4	4	-	2	7	-	L	1	-	1	1	0	4	1	-	0	2	2	0
		-			-			-			-						-				
		-			-			-			-						-				
		-			-			-			-						-				

Brief description of proposed project:

Application for: Lumos proposes to install a 127' underground with 2" bore to cross the ~~East~~ West Easy Canal at Moore Ave within MSID easement boundaries. This application covers the permanent underground installation only.

Wrong Location
Wrong Distance

$750 + $15 x 147.53' R/W = $750 + 2,212.95
= $2,962.95

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

Estimated # of Phases:	1	
***Permit Fee:**	~~$1,500.00~~	**(to be verified by staff)**

Wrong Fee

- $1650 Paid CK#66002673
= $1,312.95 Due

* 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 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:	Milenium Directional Drilling, Inc						
Mailing Address:	Street:	5395 Cogswell Dr					
City:	Wayne	State:	MI		Zip:	48184	
Phone No.	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:	GA		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:	NA						
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 10th day of February (m), 2026 (y), by William Kiefer who is personally know to me or has produced N/A as identification.

OFFICIAL SEAL
KYLE LEWIS PARKEY
NOTARY PUBLIC - ARIZONA
MARICOPA COUNTY
COMM# 591029
My Comm. Expires December 15, 2029

Kyle Parkey
SIGNATURE OF NOTARY PUBLIC

Kyle Lewis Parkey
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:	McKim & Creed						
Mailing Address:	5701 Division Dr. Ste A						
City:	Fort Myers	State:	FL			Zip:	33905
Business No.	Area Code:	( )	Number:	-		Ext.	
Other Contact:							

OTHER REPRESENTATIVE/PROFESSIONAL

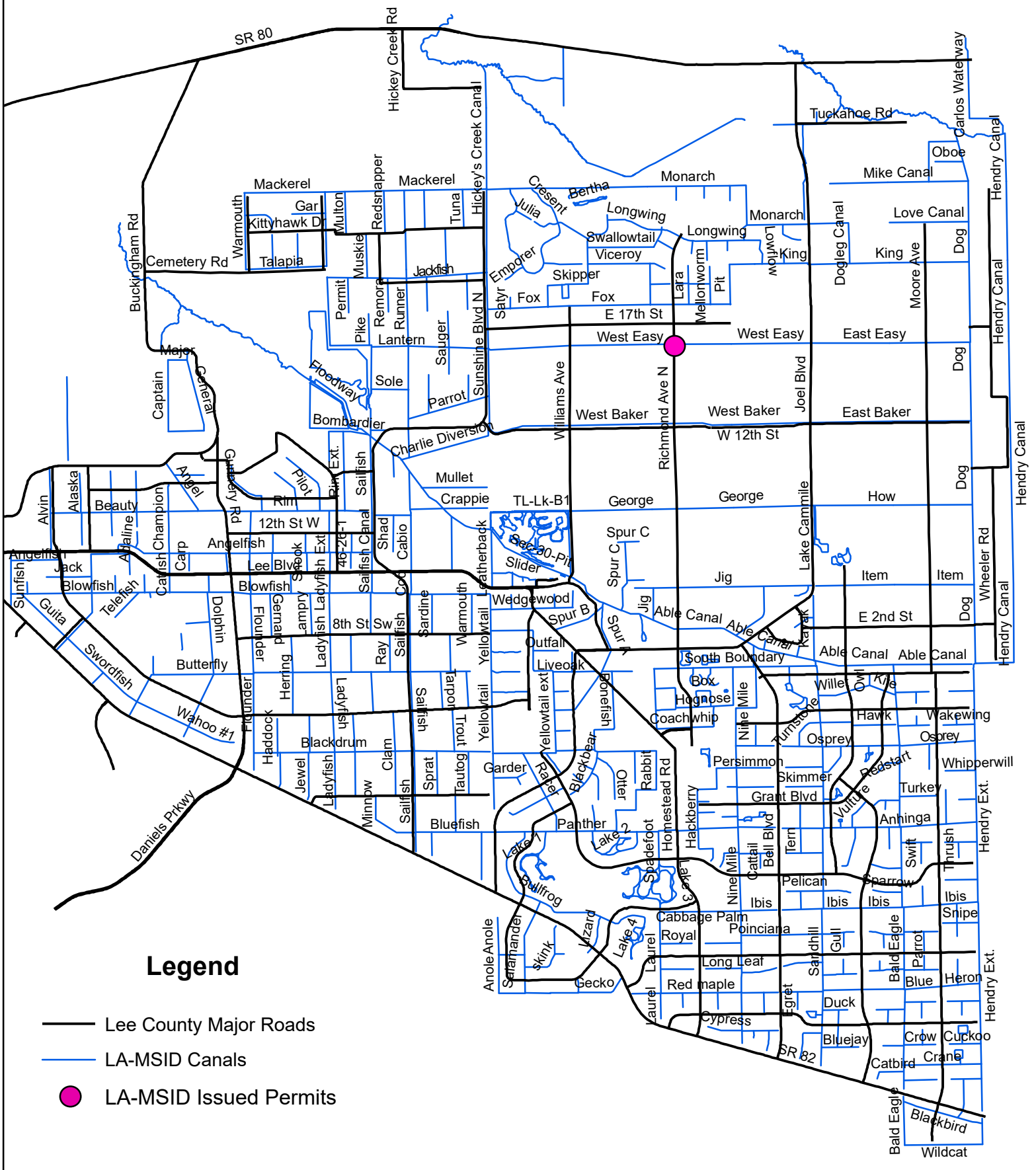
Name:							
Mailing Address:							
City:		State:				Zip:	
Business No.	Area Code:	( )	Number:	-		Ext.	
Other Contact:							

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).
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. Plans & Surveys
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 # 2026-20

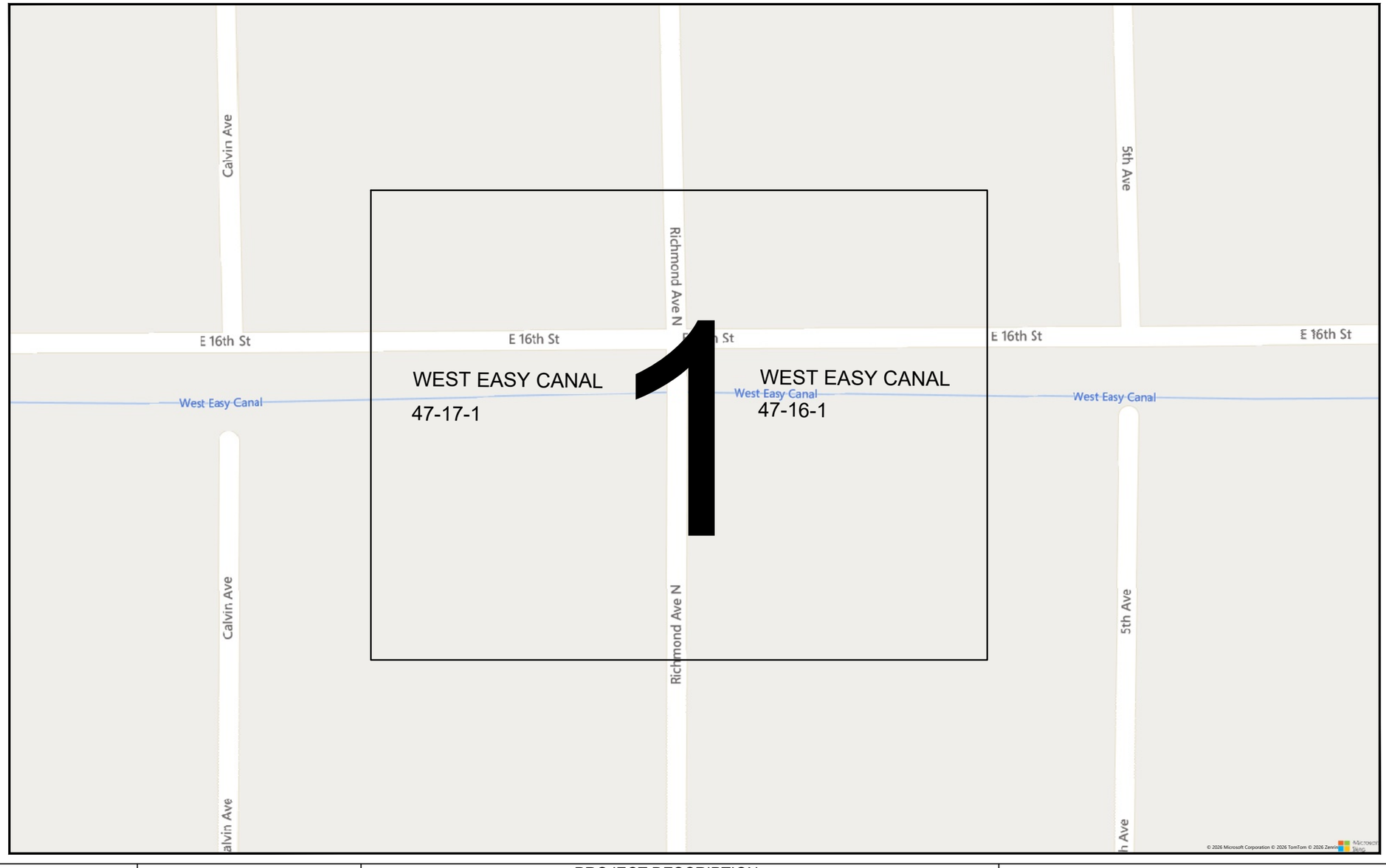


Legend

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

U38566 - WEST EASY CANAL - 1520 RICHMOND AVE N-LA-MSID-1

1520 RICHMOND AVE N, LEHIGH ACRES, FL 33972 (26.658126, -81.625524)



Know what's below
Call before you dig.

N

PERMIT #:

PROJECT DESCRIPTION

- BURIED PLACEMENT OF 310' 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	04/28/2026

TEP OPCO, LLC FL COA# 31011

JOSHUA H. CARDEN LICENSE No 83511 STATE OF FLORIDA PROFESSIONAL ENGINEER

April 28th, 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:	U38566
DESCRIPTION:	1520 RICHMOND AVE N
DRAWING NAME:	U38566 - WEST EASY CANAL - 1520 RICHMOND AVE N-LA-MSID-1
SHEET:	A of 1

CONFIDENTIAL/PROPRIETARY

SCOPE OF WORK

- BURIED PLACEMENT OF 310' 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
CABLE PROTECTION CENTER
(877) 366-8344 x3

COMCAST
ITG DAMAGE PREVENTION
(385) 977-0510

FLORIDA POWER & LIGHT--LEE
USIC DISPATCH CENTER
(800) 778-9140

FORGED FIBER 37 LLC
ZACHARY RAYNER
(800) 778-9140

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

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	04/28/2026

TEP OPCO, LLC FL COA# 31011

JOSHUA H. CARDEN LICENSE No 83511 STATE OF FLORIDA PROFESSIONAL ENGINEER

April 28th, 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:
SOW & CONTACTS

PROJECT MANAGER:	SHAINE HERRICK
PROJECT ENGINEER:	DARIA COSTIN
PROJECT NUMBER:	U38566
DESCRIPTION:	1520 RICHMOND AVE N
DRAWING NAME:	U38566 - WEST EASY CANAL - 1520 RICHMOND AVE N-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

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	04/28/2026

TEP OPCO, LLC — FL COA# 31011

JOSHUA H. CARDEN — LICENSE — No 83511 — STATE OF FLORIDA — PROFESSIONAL ENGINEER

April 28th, 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:	U38566
DESCRIPTION:	1520 RICHMOND AVE N
DRAWING NAME:	U38566 - WEST EASY CANAL - 1520 RICHMOND AVE N-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

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	04/28/2026

TEP OPCO, LLC FL COA# 31011

JOSHUA H. CARDEN LICENSE No 83511 STATE OF FLORIDA PROFESSIONAL ENGINEER

April 28th, 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:	U38566
DESCRIPTION:	1520 RICHMOND AVE N
DRAWING NAME:	U38566 - WEST EASY CANAL - 1520 RICHMOND AVE N-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

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	04/28/2026

TEP OPCO, LLC FL COA# 31011

JOSHUA H. CARDEN LICENSE No 83511 STATE OF FLORIDA PROFESSIONAL ENGINEER

April 28th, 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:	U38566
DESCRIPTION:	1520 RICHMOND AVE N
DRAWING NAME:	U38566 - WEST EASY CANAL - 1520 RICHMOND AVE N-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

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	04/28/2026

TEP OPCO, LLC FL COA# 31011

JOSHUA H. CARDEN LICENSE No 83511 STATE OF FLORIDA PROFESSIONAL ENGINEER

April 28th, 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:
CONSTRUCTION NOTES

PROJECT MANAGER:	SHAINE HERRICK
PROJECT ENGINEER:	DARIA COSTIN
PROJECT NUMBER:	U38566
DESCRIPTION:	1520 RICHMOND AVE N
DRAWING NAME:	U38566 - WEST EASY CANAL - 1520 RICHMOND AVE N-LA-MSID-1

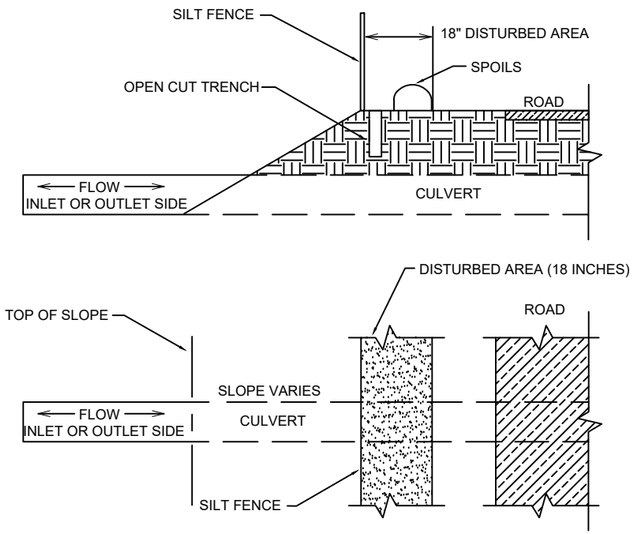
SHEET:
E of 1

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.

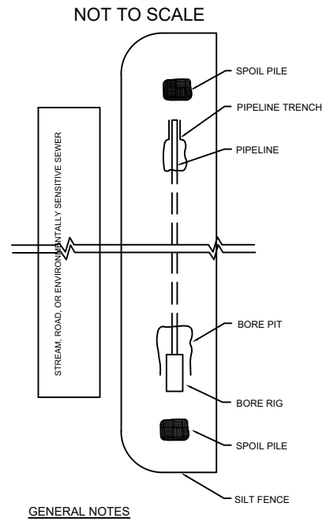
MAINTENANCE NOTES

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

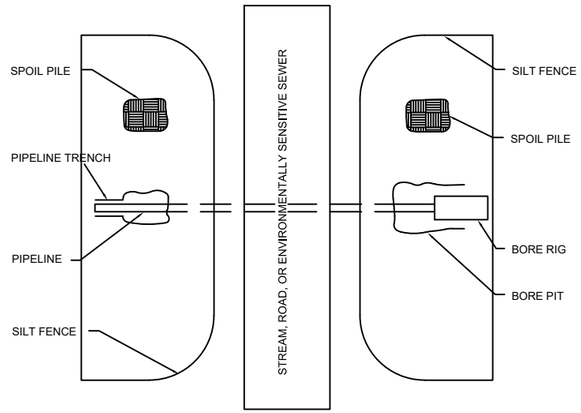


GENERAL NOTES

1. BORE PITS AND SPOILS PILES SHALL BE ENCLOSED ON THREE SIDES AS SHOWN WITH SILT FENCE

DIRECTIONAL BORE DETAIL (TRAVERSE)

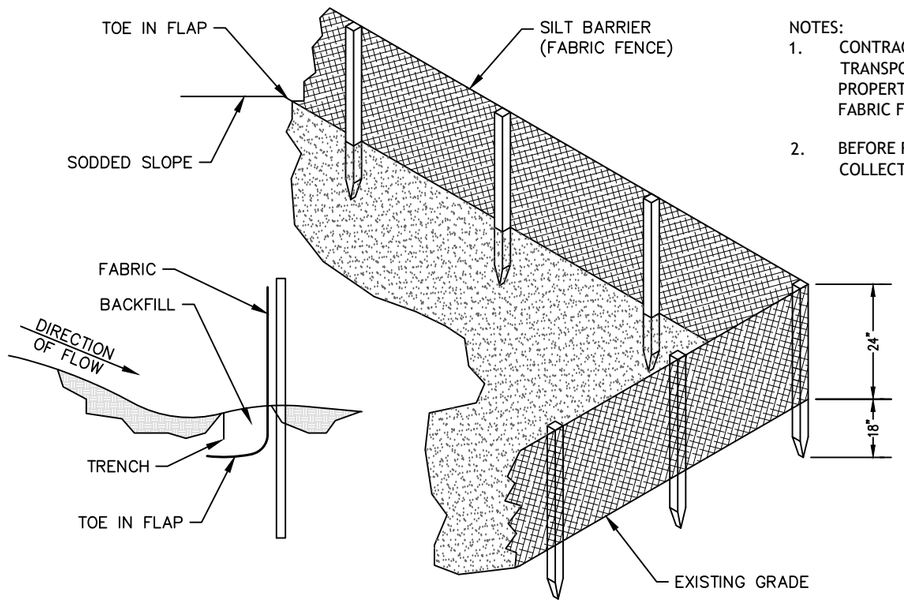
NOT TO SCALE



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.

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	04/28/2026

TEP OPCO, LLC FL COA# 31011

JOSHUA H. CARDEN LICENSE No 83511 STATE OF FLORIDA PROFESSIONAL ENGINEER

April 28th, 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: TYPICALS

PROJECT MANAGER:	SHAINE HERRICK
PROJECT ENGINEER:	DARIA COSTIN
PROJECT NUMBER:	U38566
DESCRIPTION:	1520 RICHMOND AVE N
DRAWING NAME:	U38566 - WEST EASY CANAL - 1520 RICHMOND AVE N-LA-MSID-1

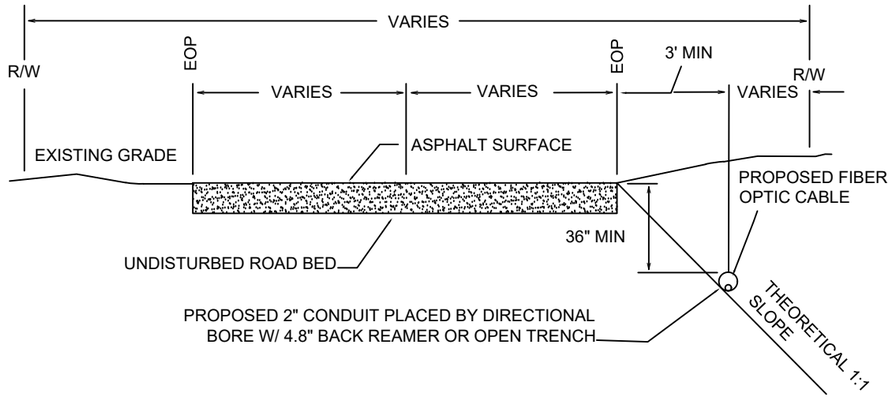
SHEET: F of 1

CONFIDENTIAL/PROPRIETARY

TYPICALS

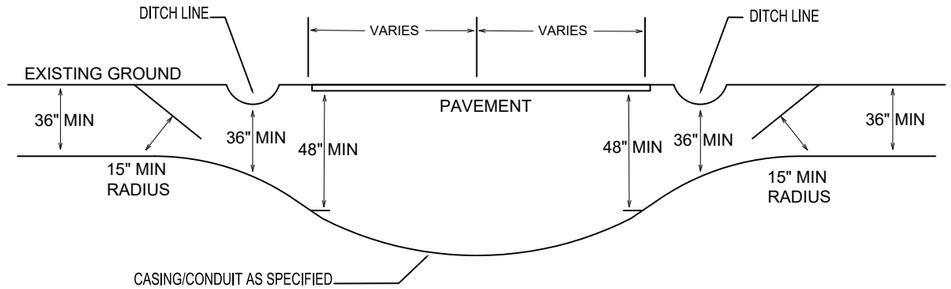
PARALLEL CONDUIT DETAIL FOR FDOT RIGHT-OF-WAY

NOT TO SCALE



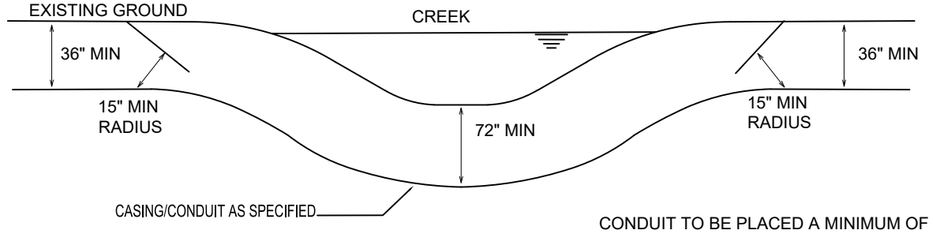
DIRECTIONAL BORE UNDER SECONDARY ROADWAY

NOT TO SCALE



DIRECTIONAL BORE UNDER CREEK BED

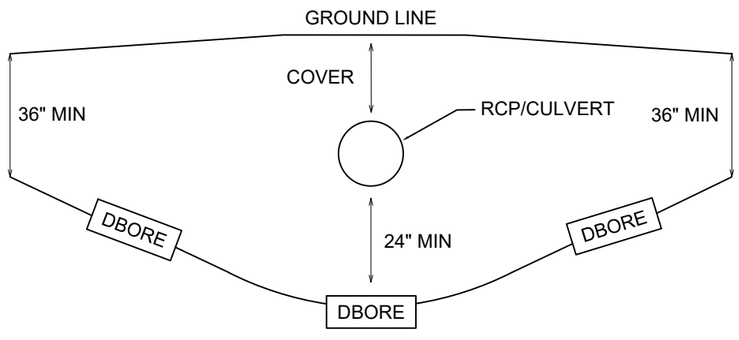
NOT TO SCALE



CONDUIT TO BE PLACED A MINIMUM OF 6 FEET BELOW CREEK BED

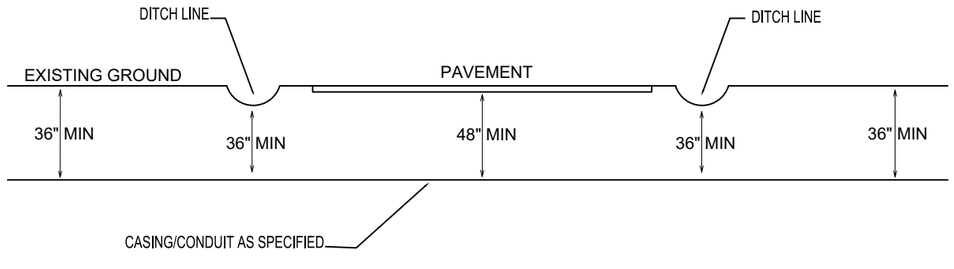
CULVERT CROSSING DETAIL

NOT TO SCALE



DRY BORE UNDER ROADWAY

NOT TO SCALE



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	04/28/2026

TEP OPCO, LLC FL COA# 31011

JOSHUA H. CARDEN LICENSE No 83511 STATE OF FLORIDA PROFESSIONAL ENGINEER

April 28th, 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: TYPICALS

PROJECT MANAGER:	SHAINE HERRICK
PROJECT ENGINEER:	DARIA COSTIN
PROJECT NUMBER:	U38566
DESCRIPTION:	1520 RICHMOND AVE N
DRAWING NAME:	U38566 - WEST EASY CANAL - 1520 RICHMOND AVE N-LA-MSID-1

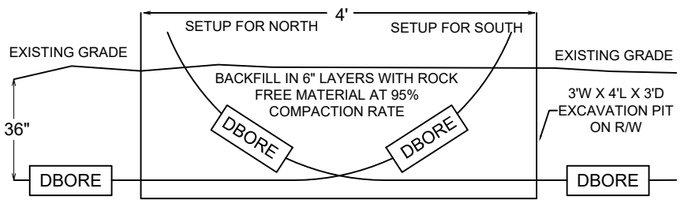
SHEET: G of 1

CONFIDENTIAL/PROPRIETARY

TYPICALS

DIRECTIONAL BORE TIE-IN DETAIL

NOT TO SCALE

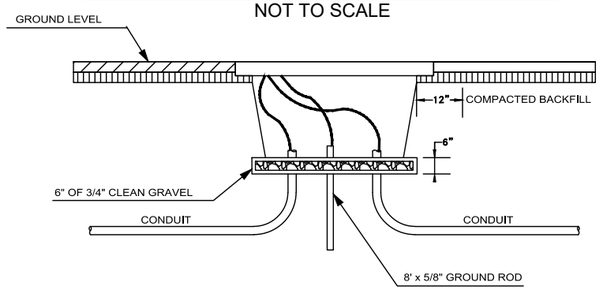


TIE-IN STATION

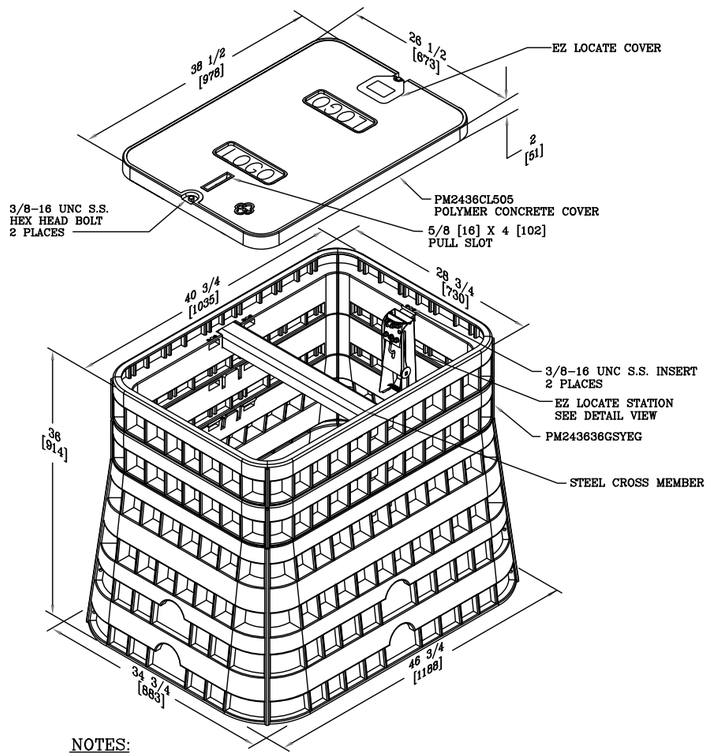
- BORE FROM EACH DIRECTION IS RUN AT DESIGN DEPTH TO 2 FEET PAST THE INTENDED TIE-IN. THEN TURNED UP TO DAYLIGHT.
- THE TIE-IN POINT IS EXCAVATED. THE CONDUITS CUT OFF WHERE THEY CROSS EACH OTHER AT DESIGN DEPTH, AND A COUPLER IS INSTALLED TO CONNECT THE TWO CONDUITS AT THE DESIGN DEPTH.
- ALL EXCAVATIONS 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



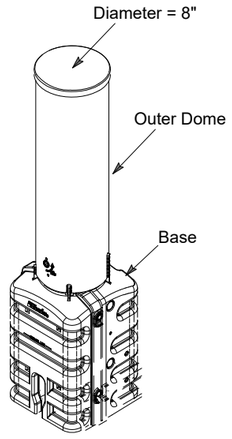
ALL EXCAVATIONS OR TRENCHES 4 FEET OR GREATER IN DEPTH SHALL BE APPROPRIATELY BENCHED, SHORED, OR SLOPED ACCORDING TO THE PROCEDURES AND REQUIREMENTS SET FORTH IN OSHA'S EXCAVATION STANDARD, 29 CFR 1926.650, .651, AND .652.



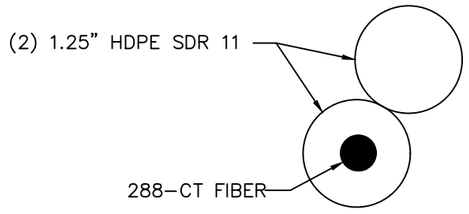
NOTES:

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

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	04/28/2026

TEP OPCO, LLC FL COA# 31011

JOSHUA H. CARDEN LICENSE No 83511 STATE OF FLORIDA PROFESSIONAL ENGINEER

April 28th, 2026

This item has been digitally signed and sealed by JOSHUA H. CARDEN on the date adjacent to the seal.

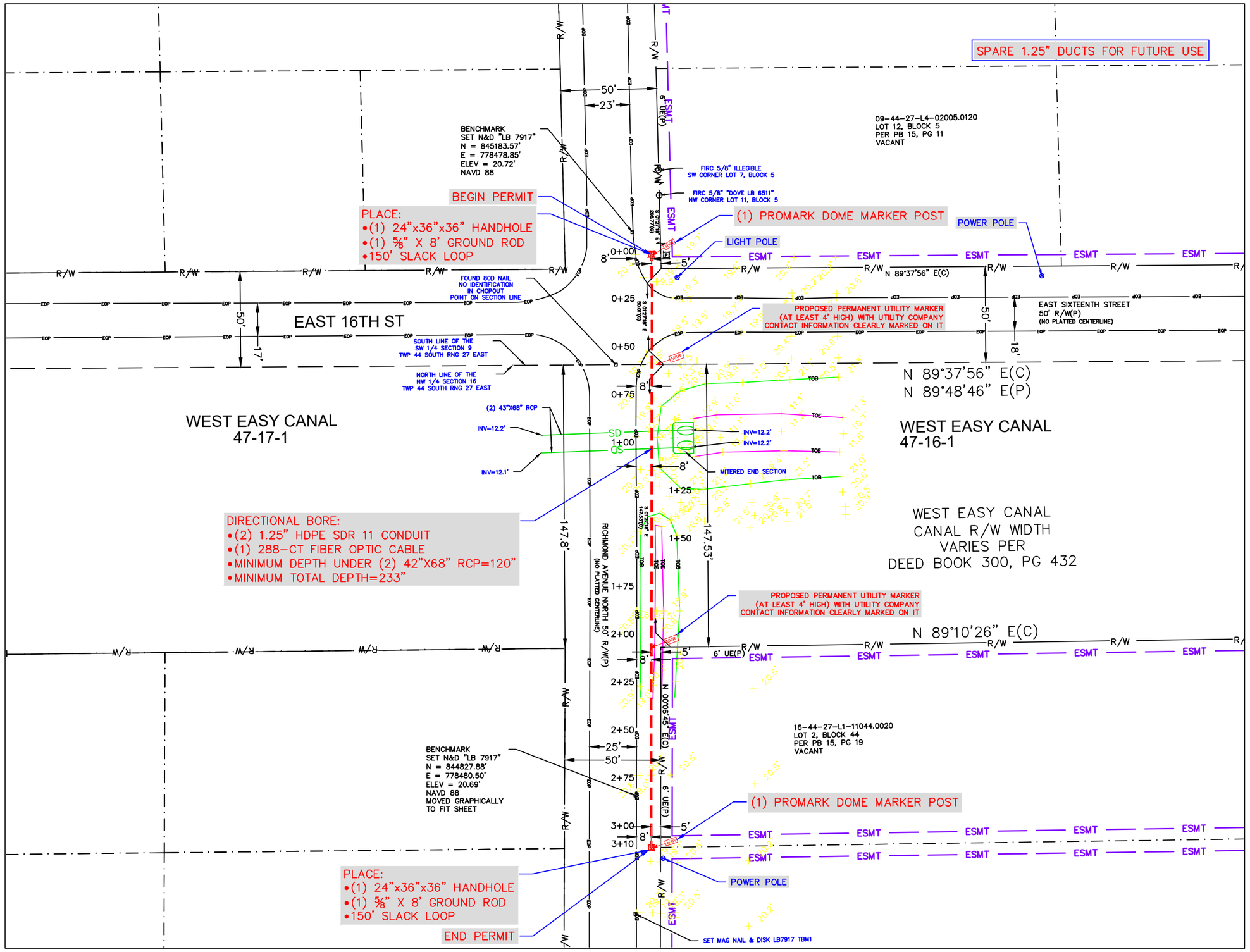
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

SHEET TITLE: TYPICALS

PROJECT MANAGER:	SHAINE HERRICK
PROJECT ENGINEER:	DARIA COSTIN
PROJECT NUMBER:	U38566
DESCRIPTION:	1520 RICHMOND AVE N
DRAWING NAME:	U38566 - WEST EASY CANAL - 1520 RICHMOND AVE N-LA-MSID-1

SHEET: H of 1

CONFIDENTIAL/PROPRIETARY



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' 40' 50'
SCALE: 1"=50'

N

811 Know what's below Call before you dig.

REV	DESCRIPTION	INITIALS	DATE
0	ORIGINAL	DC	04/28/2026

TEP OPCO, LLC FL COA# 31011

JOSHUA H. CARDEN LICENSE No 83511 STATE OF FLORIDA PROFESSIONAL ENGINEER

April 28th, 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.

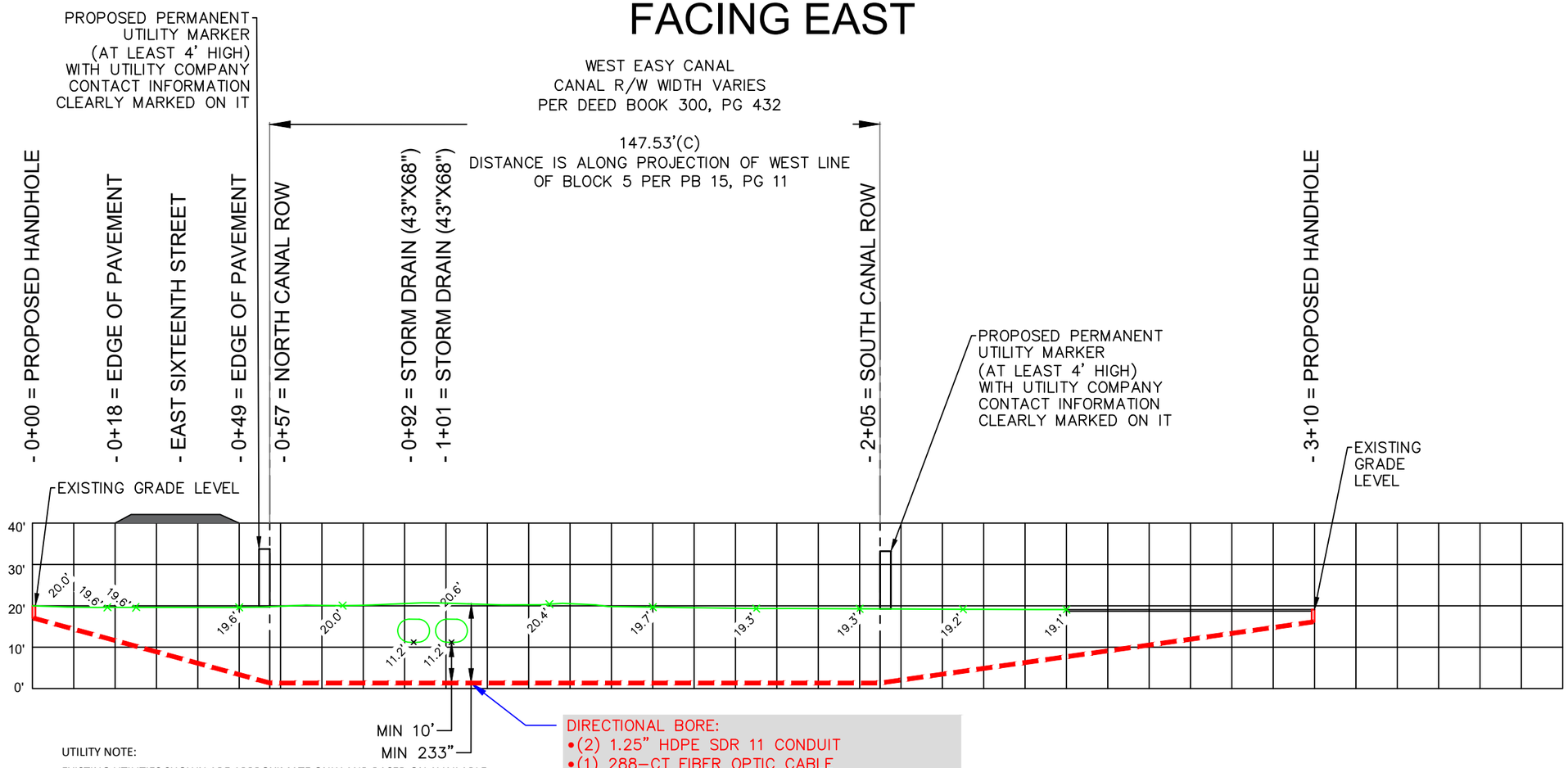
SHEET TITLE:
PROJECT SHEET

PROJECT MANAGER:	SHAINE HERRICK
PROJECT ENGINEER:	DARIA COSTIN
PROJECT NUMBER:	U38566
DESCRIPTION:	1520 RICHMOND AVE N
DRAWING NAME:	U38566 - WEST EASY CANAL - 1520 RICHMOND AVE N-LA-MSID-1

SHEET: 1 of 1

CONFIDENTIAL/PROPRIETARY

SUB-GRADE VERTICAL PROFILE VIEW
RICHMOND AVENUE NORTH
FACING EAST



UTILITY NOTE:

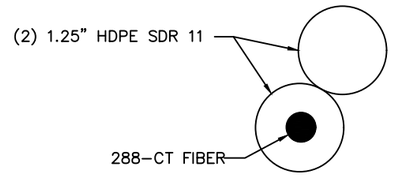
EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND BASED ON AVAILABLE RECORDS, VERBAL INFORMATION AND/OR PHYSICAL FEATURES. PRIOR TO CONSTRUCTION (AT LEAST 72 HOURS OR THE MORE RESTRICTIVE MINIMUM NOTIFICATION PERIOD), THE CONTRACTOR SHALL CONTACT SUNSHINE 811 TO ALLOW MARKING OF EXISTING BURIED UTILITIES 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 147.53' 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	04/28/2026

TEP OPCO, LLC FL COA# 31011

JOSHUA H. CARDEN LICENSE No 83511 STATE OF FLORIDA PROFESSIONAL ENGINEER

April 28th, 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:	U38566
DESCRIPTION:	1520 RICHMOND AVE N
DRAWING NAME:	U38566 - WEST EASY CANAL - 1520 RICHMOND AVE N-LA-MSID-1
SHEET:	1A of 1

CONFIDENTIAL/PROPRIETARY

STREET LEVEL VIEW
STA 0+00
FACING SOUTH



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	04/28/2026

TEP OPCO, LLC FL COA# 31011

JOSHUA H. CARDEN LICENSE No 83511 STATE OF FLORIDA PROFESSIONAL ENGINEER

April 28th, 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:	U38566
DESCRIPTION:	1520 RICHMOND AVE N
DRAWING NAME:	U38566 - WEST EASY CANAL - 1520 RICHMOND AVE N-LA-MSID-1

SHEET:
I1 of 1

CONFIDENTIAL/PROPRIETARY

STREET LEVEL VIEW
STA 2+00
FACING NORTH



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	04/28/2026

TEP OPCO, LLC FL COA# 31011

JOSHUA H. CARDEN LICENSE No 83511 STATE OF FLORIDA PROFESSIONAL ENGINEER

April 28th, 2026

This item has been digitally signed and sealed by JOSHUA H. CARDEN on the date adjacent to the seal.

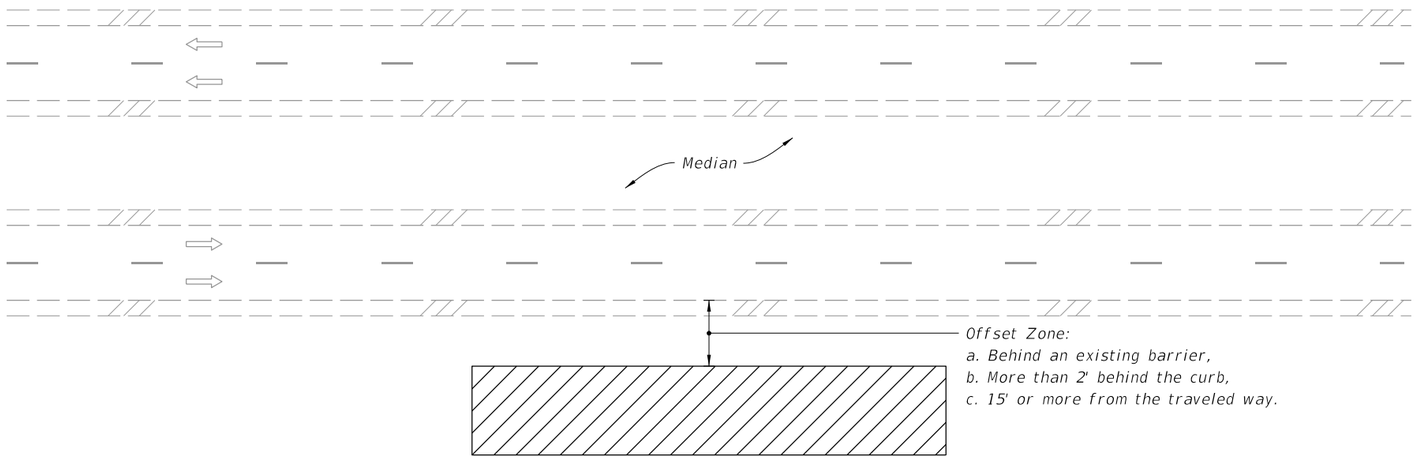
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

SHEET TITLE:
PROJECT SHEET

PROJECT MANAGER:	SHAINE HERRICK
PROJECT ENGINEER:	DARIA COSTIN
PROJECT NUMBER:	U38566
DESCRIPTION:	1520 RICHMOND AVE N
DRAWING NAME:	U38566 - WEST EASY CANAL - 1520 RICHMOND AVE N-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.

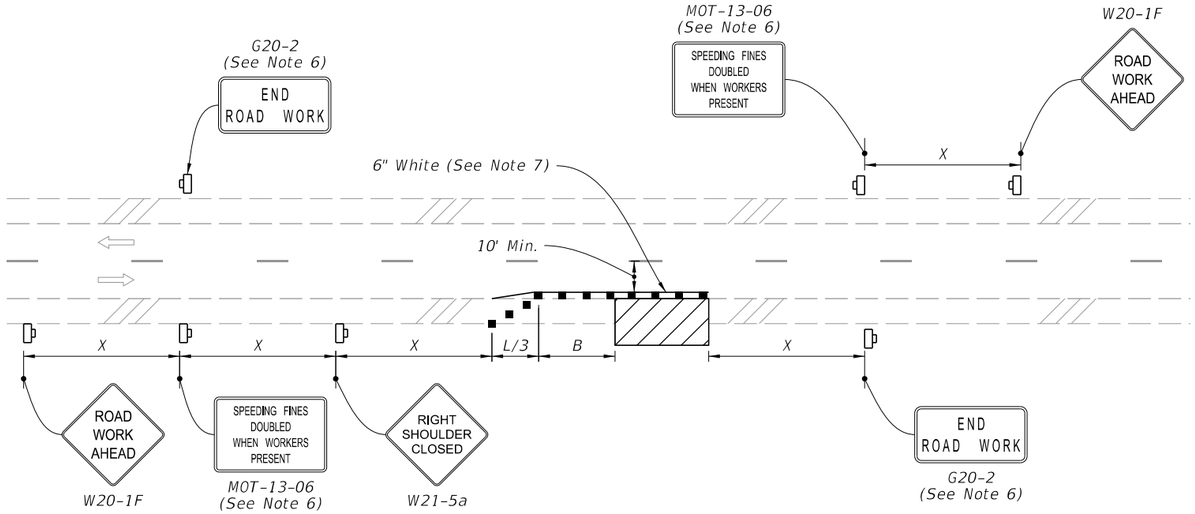
7. Temporary pavement markings may be omitted when the work operation is in place for 3 days or less.

8. Omit "Shoulder Closed" signs (W21-5a) along with associated work zone sign spacing distances for work on the median.

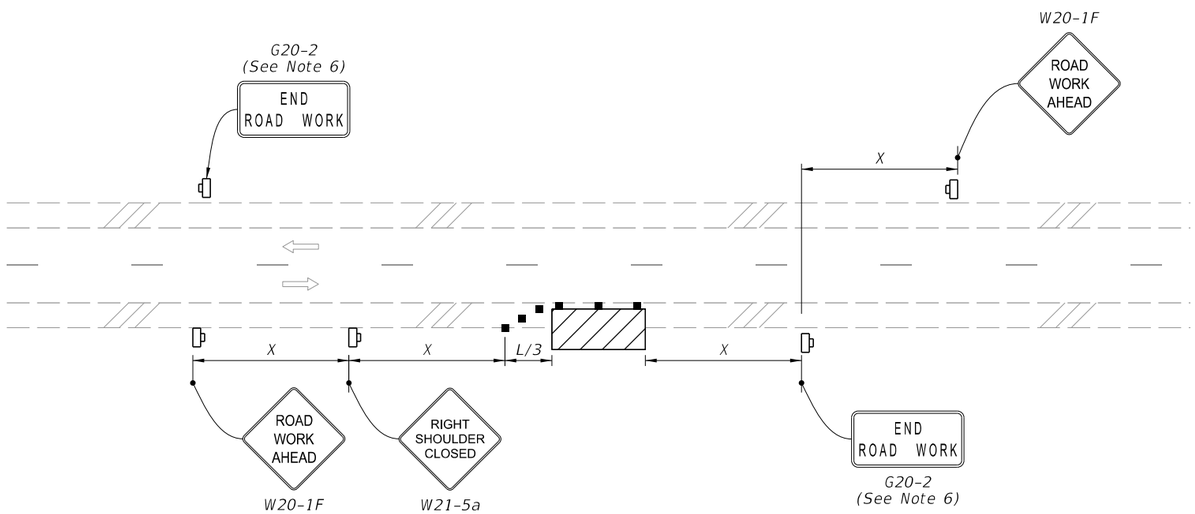
9. When there is no paved shoulder, the "Worker" sign (W21-1) may be used instead of the "Shoulder Closed" sign (W21-5a).

SYMBOLS:

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Lane Identification and Direction of Traffic



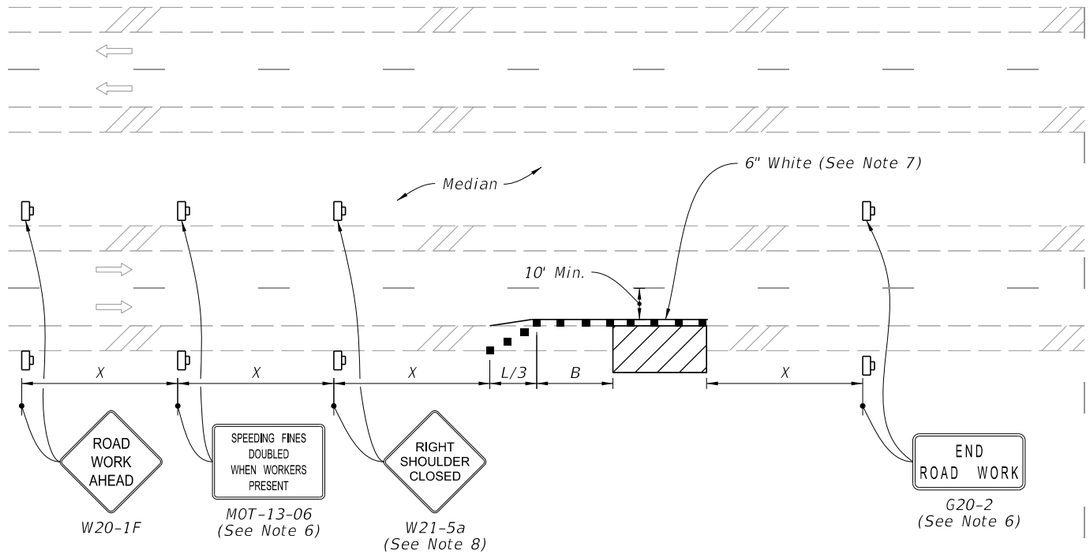
TWO-LANE ROADWAY
SHOULDER WORK LESS THAN 2' FROM THE TRAVELED WAY
WITH WORK ZONE SPEED OF 45 MPH OR LESS



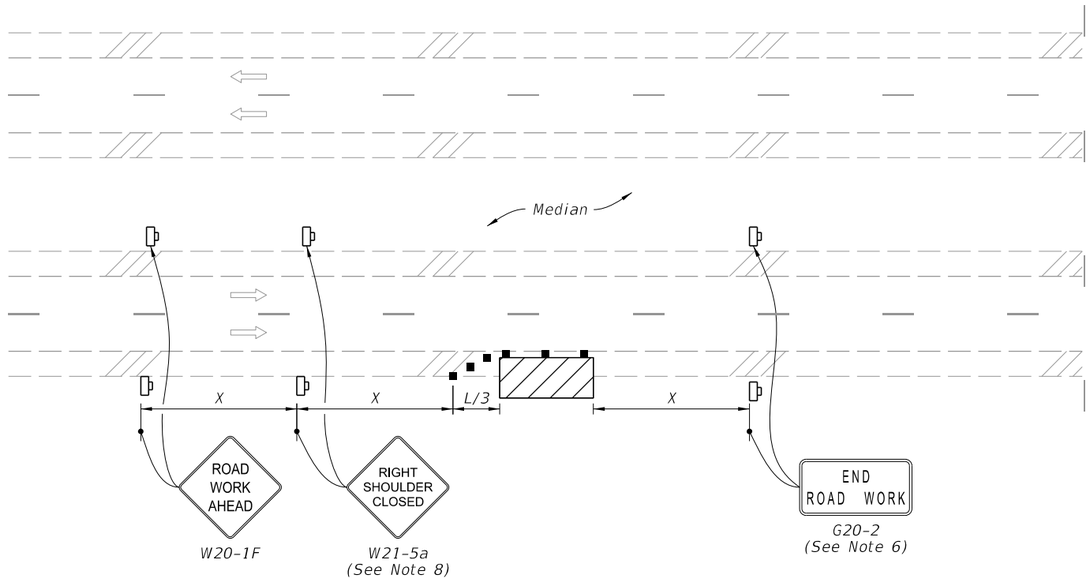
TWO-LANE ROADWAY
SHOULDER WORK BETWEEN 2' AND 15' FROM THE TRAVELED WAY

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.

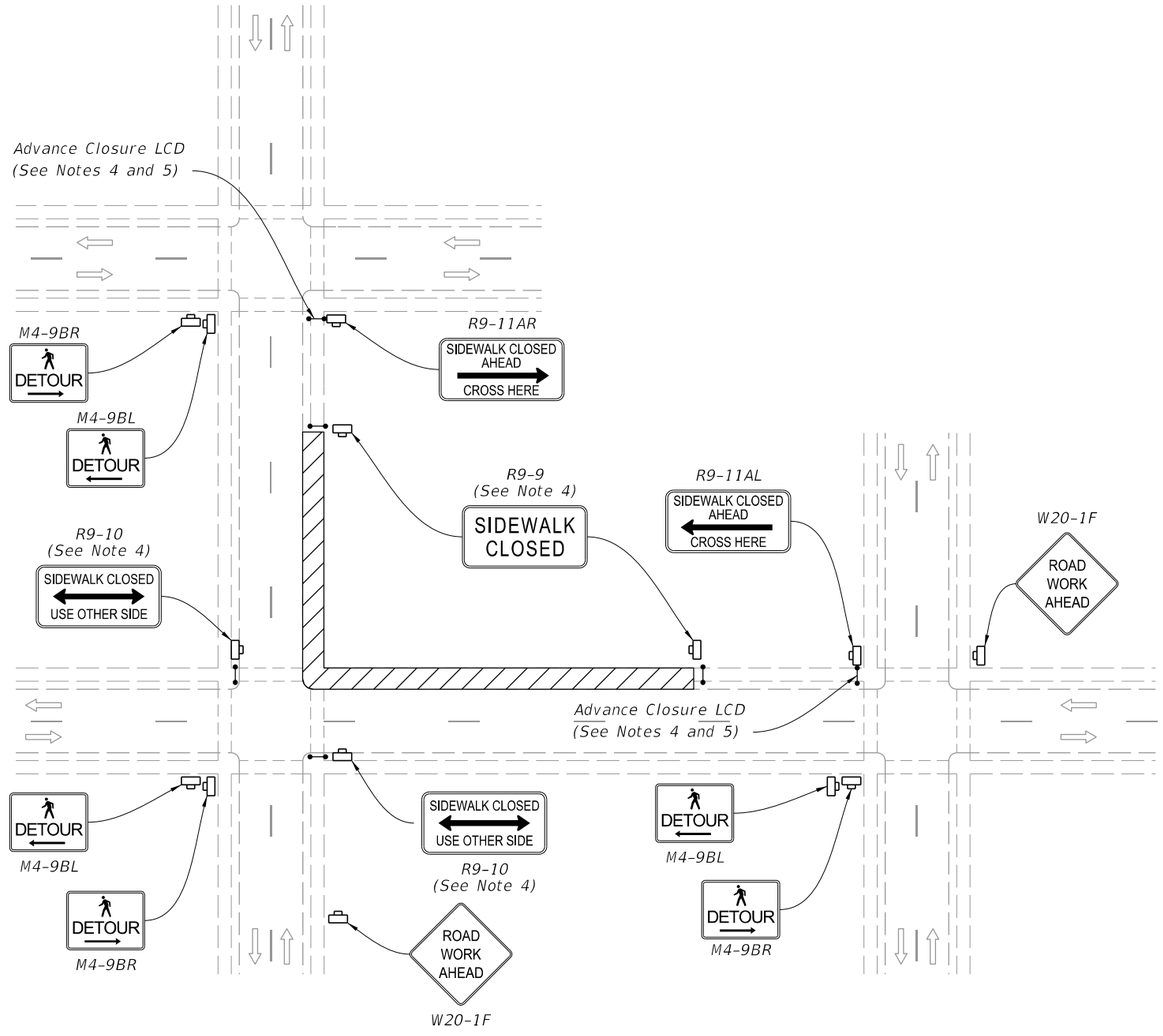
3. For post mounted signs located near or adjacent to a sidewalk, maintain a minimum 7' clearance from the bottom of the sign panel to the surface of the sidewalk.

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'.

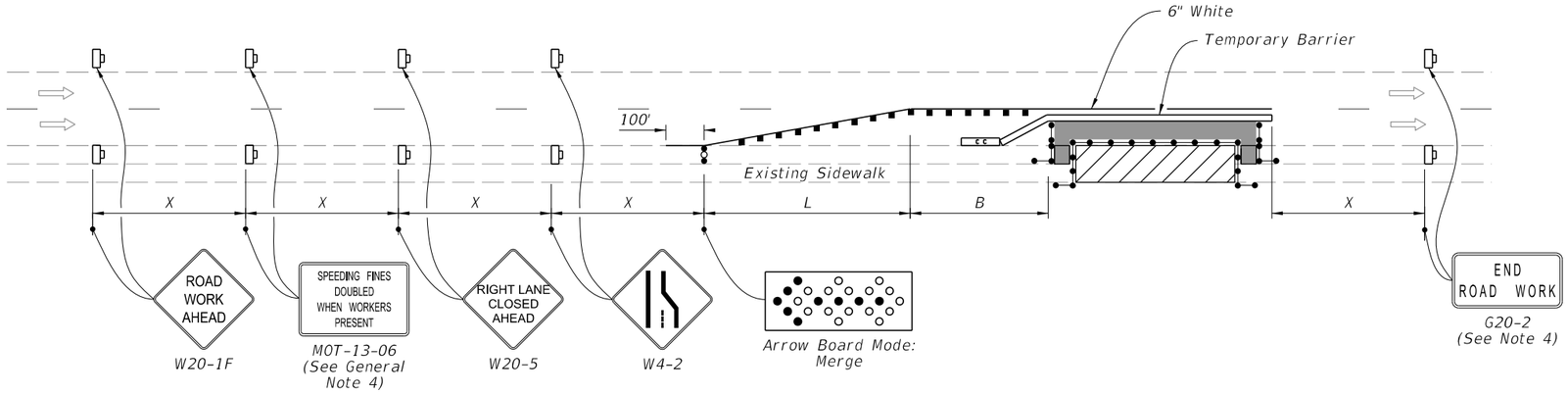
3. When temporary pedestrian ways require curb ramps, meet the requirements of Index 522-002. Detectable warnings are not required for curb ramps diverting pedestrian traffic into a closed lane.

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.

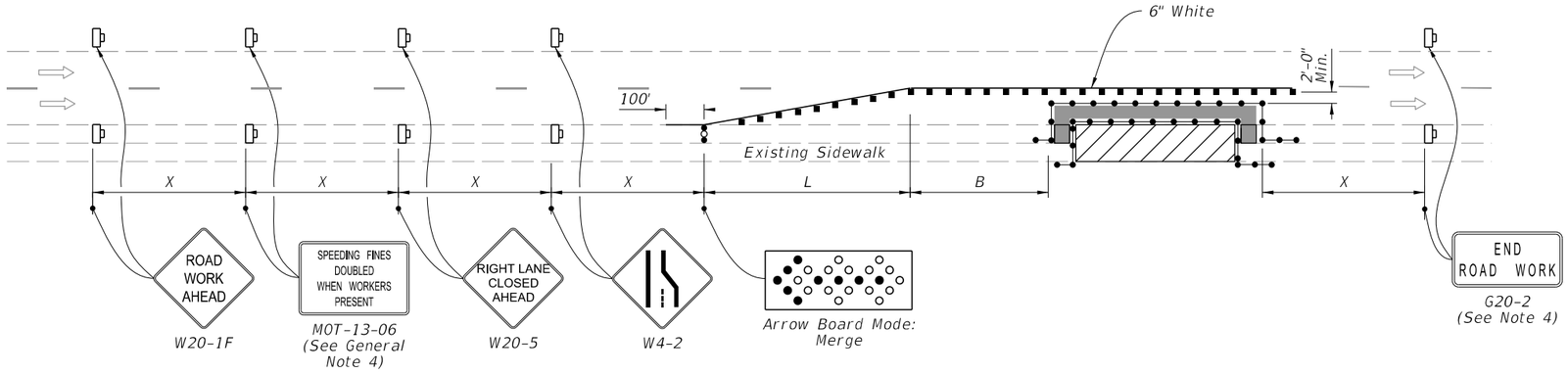
SYMBOLS:

- 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



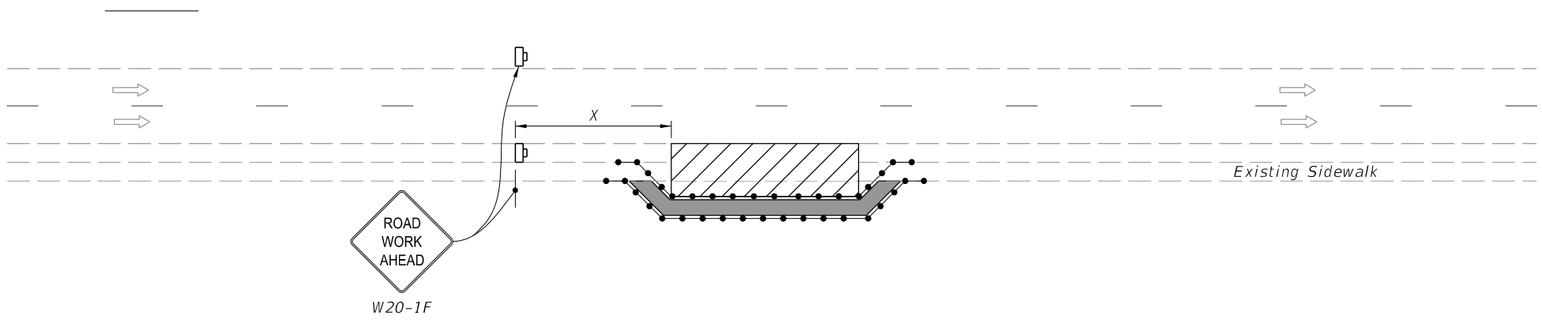
PEDESTRIAN DIVERSION - OPTION 1

(Temporary Barrier Shown, Low Profile Barrier Similar)



PEDESTRIAN DIVERSION - OPTION 2

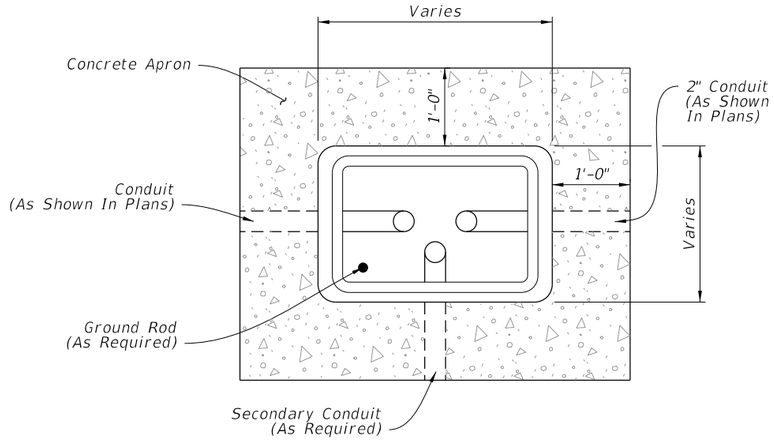
(Work Zone Speed 45 mph or Less)



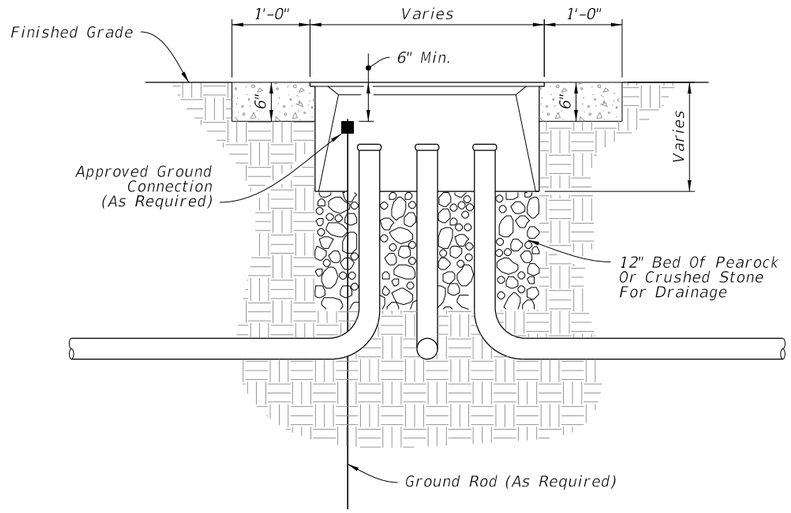
PEDESTRIAN SPECIAL DETOUR

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

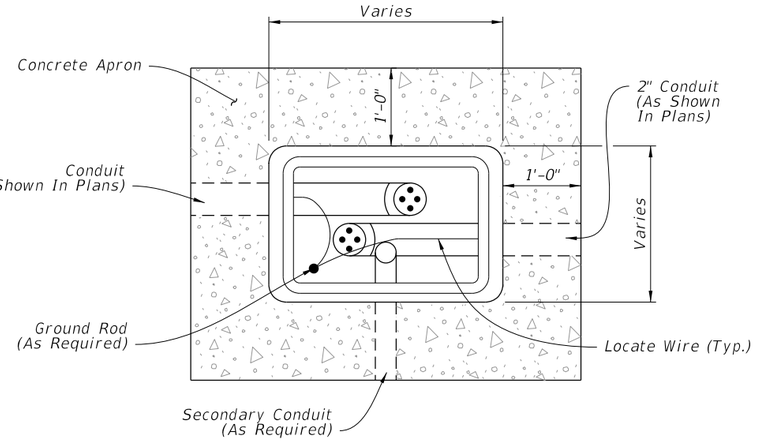


PLAN

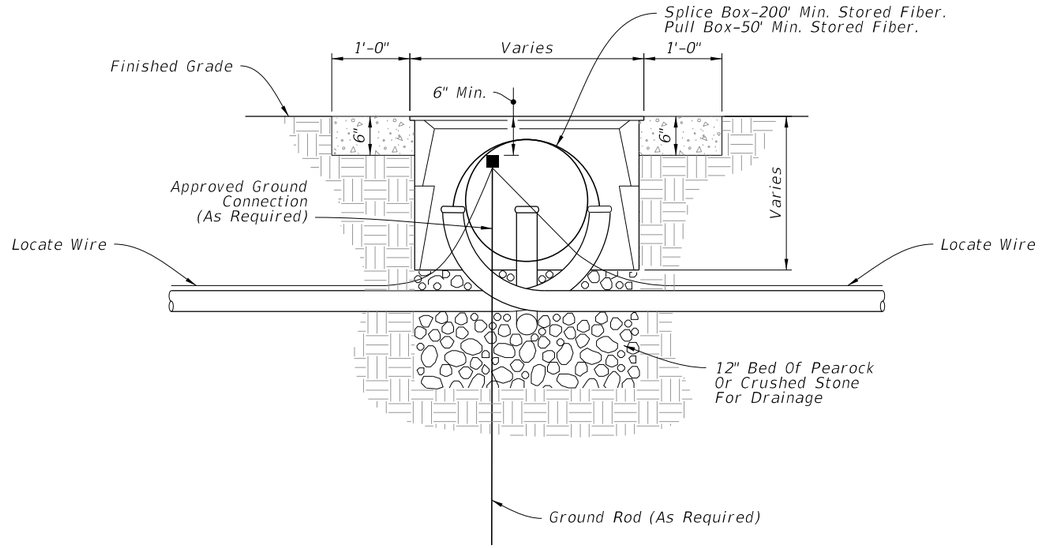


ELEVATION

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

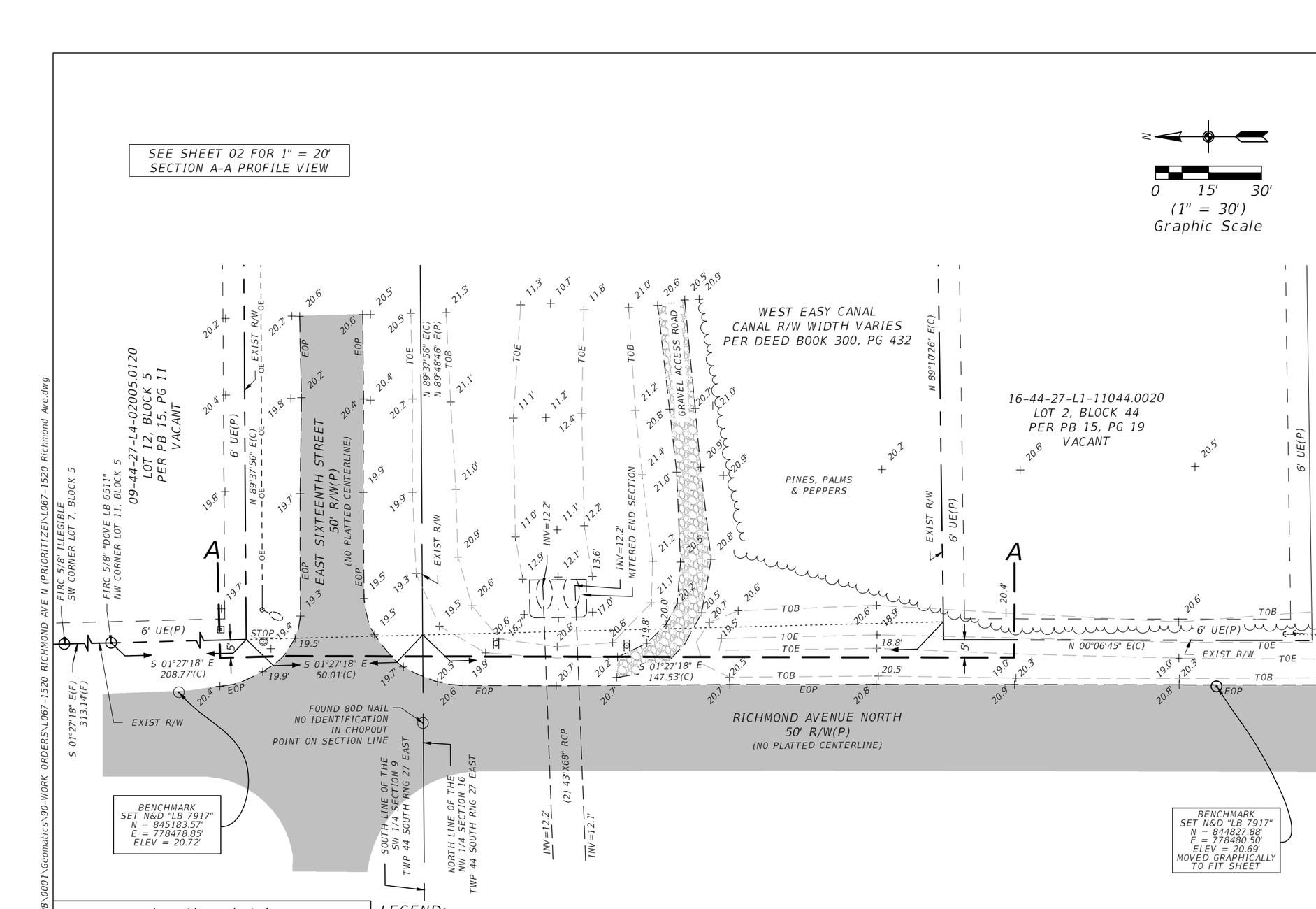
\\mckimcreed.com\nasuni\Data\Pro\10698\0001\Geomatics\90-WORK ORDERS\L067-1520 RICHMOND AVE N (PRIORITIZE)\L067-1520 Richmond Ave.dwg

SEE SHEET 02 FOR 1" = 20'
SECTION A-A PROFILE VIEW

Topographic Survey of a Subject Project Site

LYING WITHIN

Section 16 & 9, Township 44 South, Range 27 East
Lehigh Acres, Lee County, Florida



NOTES:

Survey based on the plat of Plat of Section 16 a Subdivision of Lehigh Acres as recorded in Plat Book 15 Page 19 & Plat of South 1/2 Section 9 a Subdivision of Lehigh Acres as recorded in Plat Book 15 Page 11, 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 Richmond Avenue North between East Sixteenth Street and East Fifteenth 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 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: 01/07/2026

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.

Richmond Avenue N, Lehigh Acres

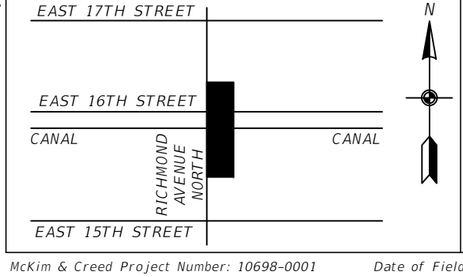
TOPOGRAPHIC SURVEY-PLAN VIEW

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.:
L067-1520 Richmond Ave.dwg	106981-4/14	106980001-L067

Survey date:	Drawn by:	Checked by:	Sheet No.:
01/07/2026	BWL	TJH	01 OF 02

Location sketch
(Not to scale)

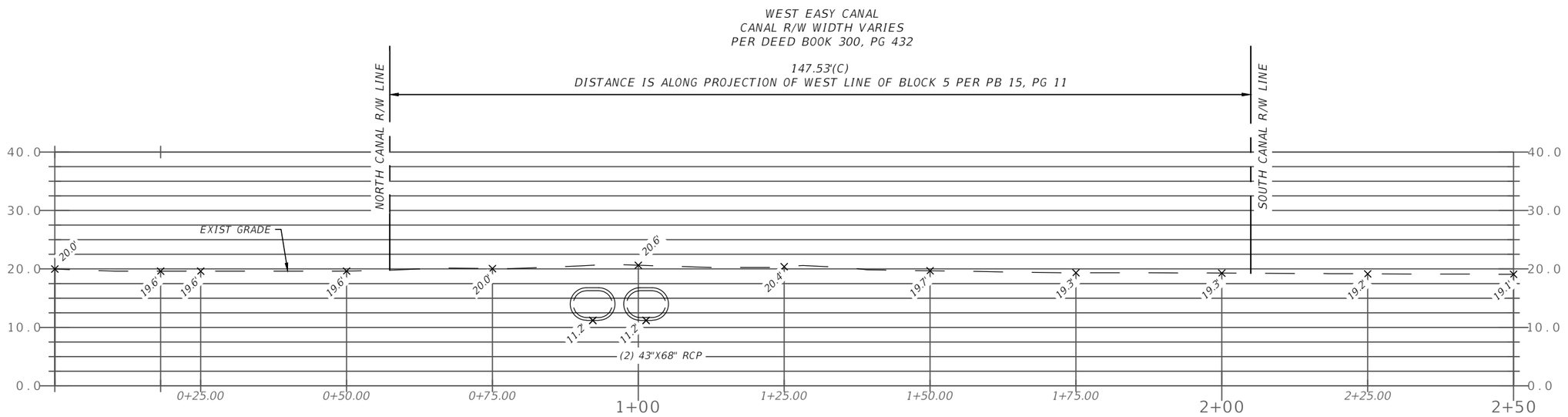


LEGEND:

(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
UE	= 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
	= TELEPHONE PEDESTAL
	= SINGLE SUPPORT SIGN
	= GUY ANCHOR
	= SINGLE SUPPORT SIGN
	= UTILITY POLE
	= LIGHT POLE
	= DELINEATOR POST

Topographic Survey of a
Subject Project Site
Section 16 & 9, 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

Richmond Avenue N, Lehigh Acres

TOPOGRAPHIC SURVEY-PROFILE VIEW

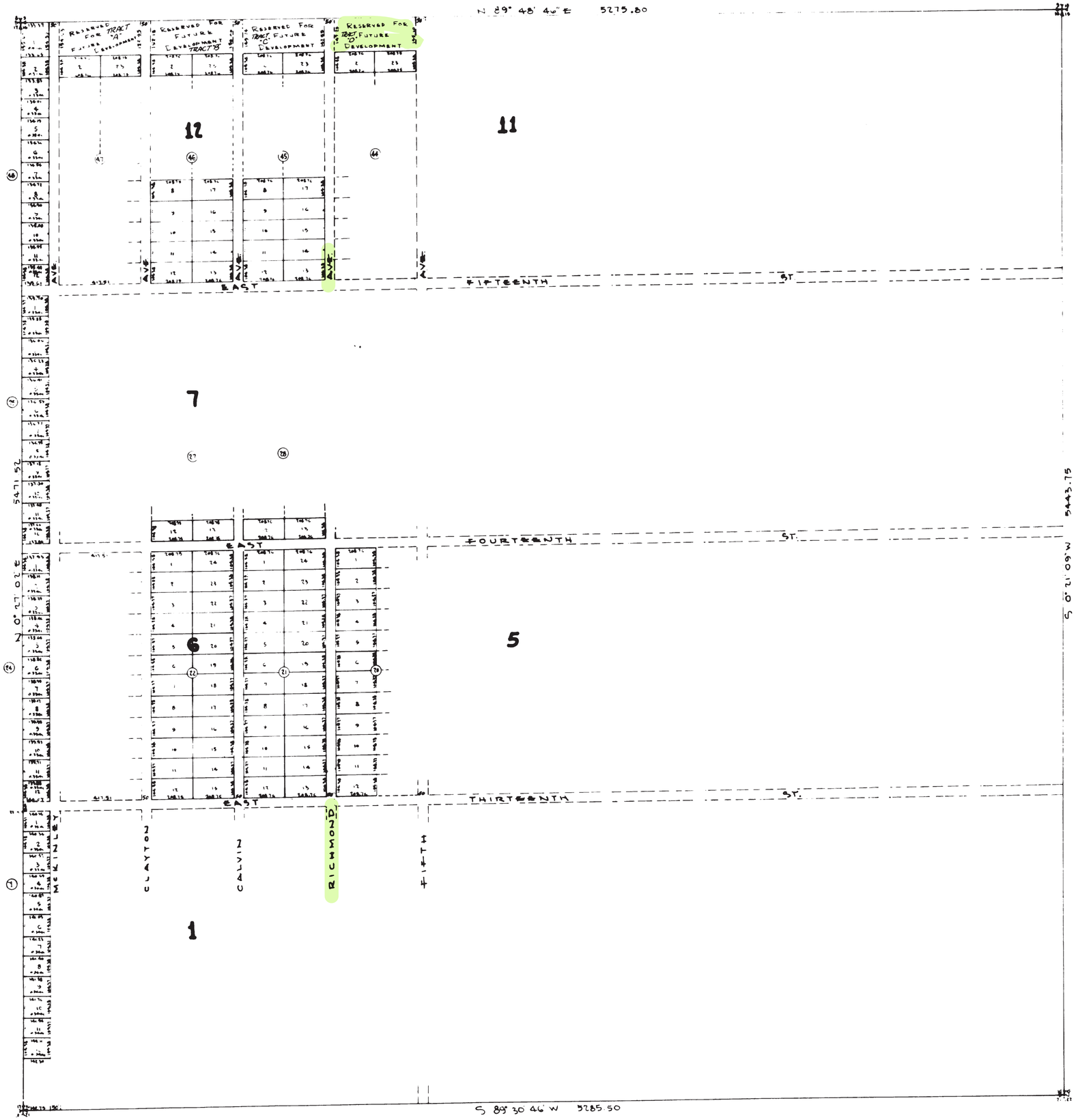
McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name:	Field book/page:	Project No.:
L067-1520 Richmond Ave.dwg	106981-4/14	106980001-L067

Survey date:	Drawn by:	Checked by:	Sheet No.:
01/07/2026	BWL	TJH	02 OF 02

\\mckimcreed.com\nasuni\Data\Proj\10698\0001\Geomatics\90-WORK ORDERS\L067-1520 RICHMOND AVE N (PRIORITIZE)\L067-1520 Richmond Ave.dwg

Petition to Vacate
Petition No:90-37
Description:Drainage & DUE
Date of Approval:06/06/91
Resolution No:91-02-11
CCMB:209 Page:2332



PLAT OF SEC. 16

TWP. 44 S. RGE. 27 E.
LEE COUNTY
FLORIDA

A SUBDIVISION OF

"LEHIGH ACRES"

SHOWING DEVELOPMENT OF RESERVED AREAS

LEE COUNTY LAND & TITLE CO. DEVELOPERS

SCALE 0 100 200 300 400 SEPT 27, 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.

William E. Humphries
FLORIDA REG'D LAND SURVEYOR NO. 1092

NOTE:
ALL LOTS SUBJECT TO 10 FT UTILITY EASEMENT ON ALL SIDES OF LOT. INTERIOR CORNERS ARE 4"x4"x24" CONCRETE.
SECTION CORNERS ARE CONCRETE MONUMENTS.
ALL LOTS EQUAL 1/4 ACRE EXCEPT UNNUMBERED.

NOTE:
DIMENSIONS, BEARINGS, LOT AND LAND LINES ON DRAWING OF LATEST DATE SHALL GOVERN.

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 Welchle
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 George S. Hunter
Chairman

D. L. Farahee
Clerk

County Attorney

Stacey Bruce
County Road Superintendent

360798

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 46, 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 86°-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 #26-20

Recommended Action

Engineering Review:

By: _____5/7/2026 **Approved _X_ Denied __**

District Field Review:

By: _____ Approved ___ Denied ___

District Manager: _____ Date: _____

Comments:

The referenced permit application for a boring under West Easy Canal (47-16-1)at Richmond Ave, in Lehigh Acres, submitted by Lumos, 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
PERMIT

THIS PERMIT is granted this 18th day of May, 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 Webworm Canal (47-3-3), along the north side of Ridgemont Dr., between Welby Ln. & Sanborn 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. 26-21

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 #26-21 is approved according to the revised plans submitted April 30th, 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' width of 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 Ridgemont Drive.

PART I

DATE SUBMITTED: 04 - 28 - 26

PERMIT #: 26 - 21

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: U38569 - WEBWORM CANAL - 138 RIDGEMONT DR

TOTAL ACREAGE: N/A

Property Address (STRAP associated with this address will be used as the primary STRAP for this project): 138 RIDGEMONT DR					
Mailing Address:					
City:	LEHIGH ACRES	**State:**	FL	**Zip:**	33972

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

0	3	-	4	4	-	2	7	-	L	3	-	0	4	0	2	0	-	0	1	5	0

Brief description of proposed project:

Application for:

Directional bore placing 80' of (1) 1.25" HDPE SDR 11 Conduit Equipped with (1) 288-CT Microfiber Optic cable under Webworm Canal along the North side of Ridgemont Dr between Welby Ln and Sanborn 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.

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 28th day of April (m) 2026 (y), by William Kiefer who is personally know to me or has produced _____ as identification.

NOTARY PUBLIC STATE OF FLORIDA
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.

GRIDIRON
P.O. BOX 1028
WAYNESBORO, VA 22980

FIFTH THIRD BANK
13-31/420

60002678

02/12/2026

PAY TO THE ORDER OF LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT $ **$1,950.00

one thousand nine hundred fifty and 00/100********** DOLLARS

VOID IF NOT CASHED IN 90 DAYS

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRI
601 East County Ln
Lehigh Acres FL 33936
United States

MEMO

MP

⑈60002678⑈ ⑆042000314⑆70291001125⑈

GRIDIRON 60002678

02/12/2026 404662 LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

Type	Ref. No.	Date	Description	Orig. Amt.	Amt. Due	Credit	Payment
Bill	42			$1,950.00	$1,950.00		$1,950.00

GRIDIRON 60002678

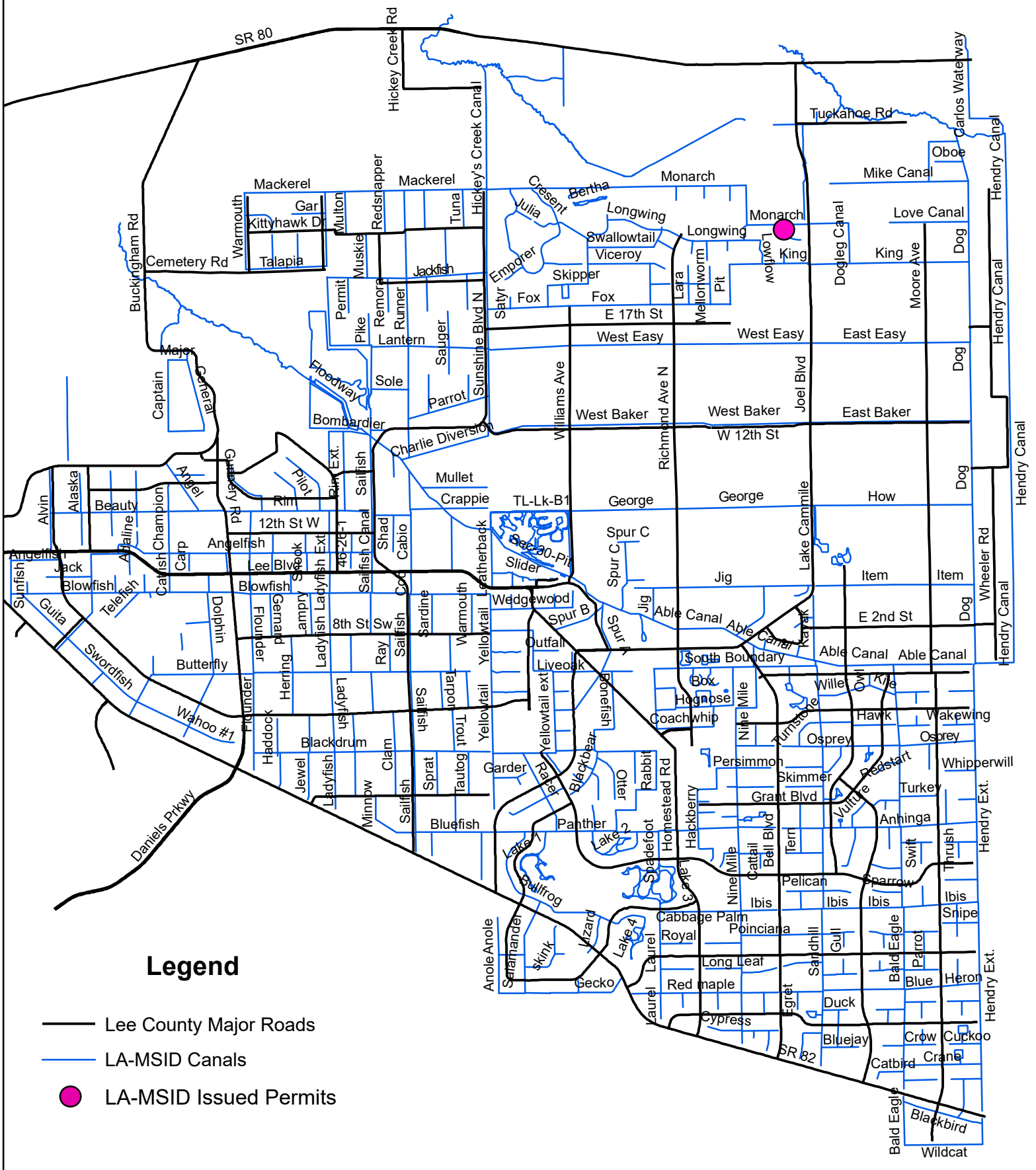
02/12/2026 404662 LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

Type	Ref. No.	Date	Description	Orig. Amt.	Amt. Due	Credit	Payment
Bill	42			$1,950.00	$1,950.00		$1,950.00

Permit # 26-21

Scanned with CamScanner

Permit # 2026-21

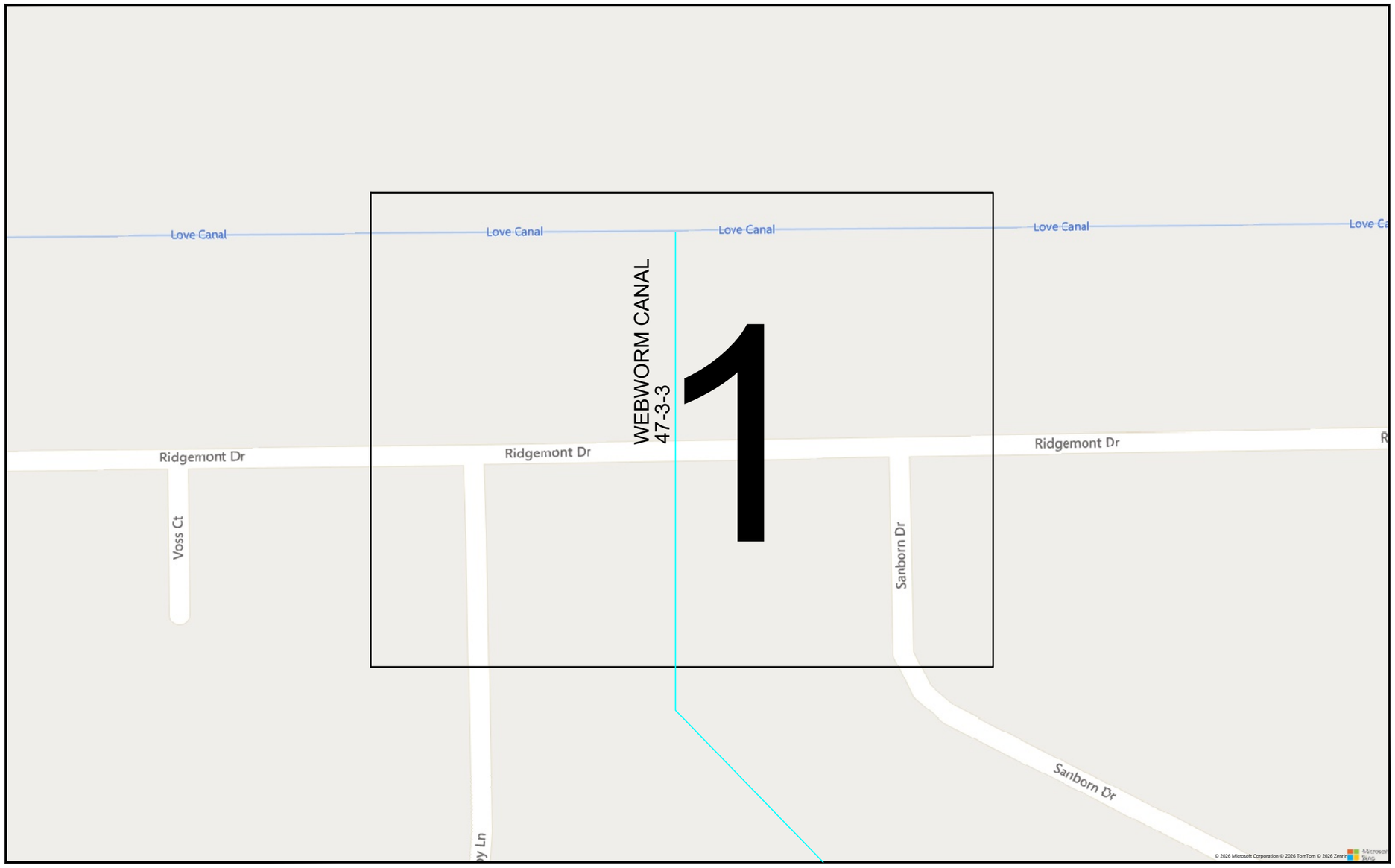


Legend

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

U38569 - WEBWORM CANAL - 138 RIDGEMONT DR-LA-MSID-1

138 RIDGEMONT DR, LEHIGH ACRES, FL 33972 (26.679067, -81.603611)



Know what's below
Call before you dig.

N

PERMIT #:

PROJECT DESCRIPTION

- BURIED PLACEMENT OF 280' OF (1) 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
SHERRICK@TEPGROUP.NET

LUMOS
William Kiefer - OSP Project Engineer
william.kiefer@lumosfiber.com
Phone: (515) 306-3403

REV	DESCRIPTION	INITIALS	DATE
0	ORIGINAL	DC	04/28/2026

TEP OPCO, LLC FL COA# 31011

JOSHUA H. CARDEN LICENSE No 83511 STATE OF FLORIDA PROFESSIONAL ENGINEER

April 28th, 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:	U38569
DESCRIPTION:	138 RIDGEMONT DR
DRAWING NAME:	U38569 - WEBWORM CANAL - 138 RIDGEMONT DR-LA-MSID-1
SHEET:	A of 1

CONFIDENTIAL/PROPRIETARY

SCOPE OF WORK

- BURIED PLACEMENT OF 280' OF (1) 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

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

CROWN CASTLE NG
FIBER DIG TEAM
(800) 654-3110

FLORIDA POWER & LIGHT--LEE
FPL CABLE LOCATIONS-DISTRIBUTION SDD/MPE - EDGAR.AGUILAR@FPL.COM, JAMIE.PURNELL@FPL.COM

LUMOS FIBER OF FLORIDA, LLC
BRIAN HARTZ
(239) 253-9844

TECO PEOPLES GAS- FT MYERS HP
PGHSW

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

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	04/28/2026

TEP OPCO, LLC FL COA# 31011

JOSHUA H. CARDEN LICENSE No 83511 STATE OF FLORIDA PROFESSIONAL ENGINEER

April 28th, 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:
SOW & CONTACTS

PROJECT MANAGER:	SHAINE HERRICK
PROJECT ENGINEER:	DARIA COSTIN
PROJECT NUMBER:	U38569
DESCRIPTION:	138 RIDGEMONT DR
DRAWING NAME:	U38569 - WEBWORM CANAL - 138 RIDGEMONT 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

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	04/28/2026

TEP OPCO, LLC — FL COA# 31011

JOSHUA H. CARDEN LICENSE No 83511 STATE OF FLORIDA PROFESSIONAL ENGINEER

April 28th, 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:	U38569
DESCRIPTION:	138 RIDGEMONT DR
DRAWING NAME:	U38569 - WEBWORM CANAL - 138 RIDGEMONT 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

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	04/28/2026

TEP OPCO, LLC FL COA# 31011

JOSHUA H. CARDEN LICENSE No 83511 STATE OF FLORIDA PROFESSIONAL ENGINEER

April 28th, 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:	U38569
DESCRIPTION:	138 RIDGEMONT DR
DRAWING NAME:	U38569 - WEBWORM CANAL - 138 RIDGEMONT 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

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	04/28/2026

TEP OPCO, LLC FL COA# 31011

JOSHUA H. CARDEN LICENSE No 83511 STATE OF FLORIDA PROFESSIONAL ENGINEER

April 28th, 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:	U38569
DESCRIPTION:	138 RIDGEMONT DR
DRAWING NAME:	U38569 - WEBWORM CANAL - 138 RIDGEMONT 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.

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	04/28/2026

TEP OPCO, LLC FL COA# 31011

JOSHUA H. CARDEN LICENSE No 83511 STATE OF FLORIDA PROFESSIONAL ENGINEER

April 28th, 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:
CONSTRUCTION NOTES

PROJECT MANAGER:	SHAINE HERRICK
PROJECT ENGINEER:	DARIA COSTIN
PROJECT NUMBER:	U38569
DESCRIPTION:	138 RIDGEMONT DR
DRAWING NAME:	U38569 - WEBWORM CANAL - 138 RIDGEMONT DR-LA-MSID-1

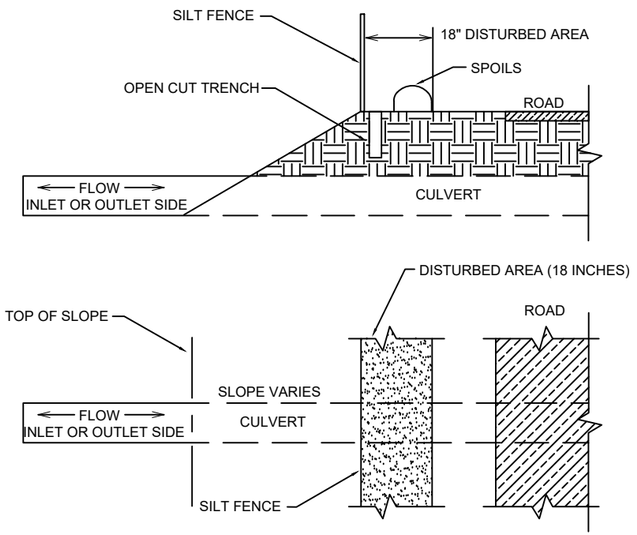
SHEET:
E of 1

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.

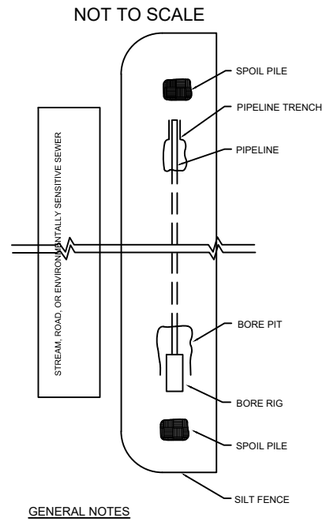
MAINTENANCE NOTES

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

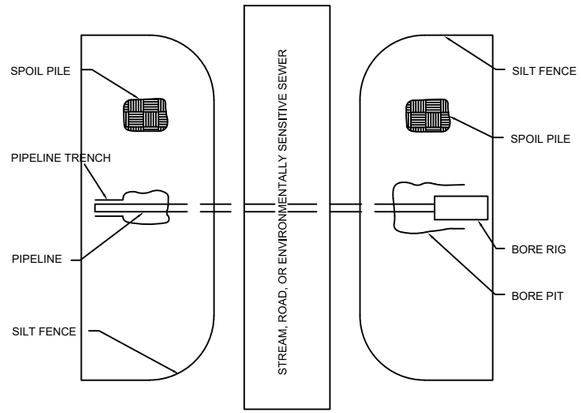


GENERAL NOTES

1. BORE PITS AND SPOILS PILES SHALL BE ENCLOSED ON THREE SIDES AS SHOWN WITH SILT FENCE

DIRECTIONAL BORE DETAIL (TRAVERSE)

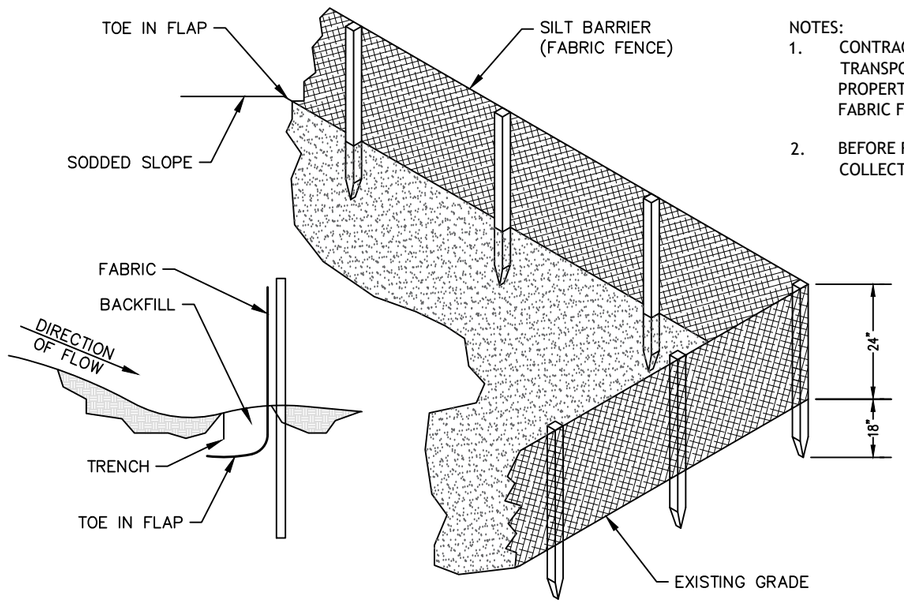
NOT TO SCALE



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.

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	04/28/2026

TEP OPCO, LLC FL COA# 31011

JOSHUA H. CARDEN LICENSE No 83511 STATE OF FLORIDA PROFESSIONAL ENGINEER

April 28th, 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: TYPICALS

PROJECT MANAGER:	SHAINE HERRICK
PROJECT ENGINEER:	DARIA COSTIN
PROJECT NUMBER:	U38569
DESCRIPTION:	138 RIDGEMONT DR
DRAWING NAME:	U38569 - WEBWORM CANAL - 138 RIDGEMONT DR-LA-MSID-1

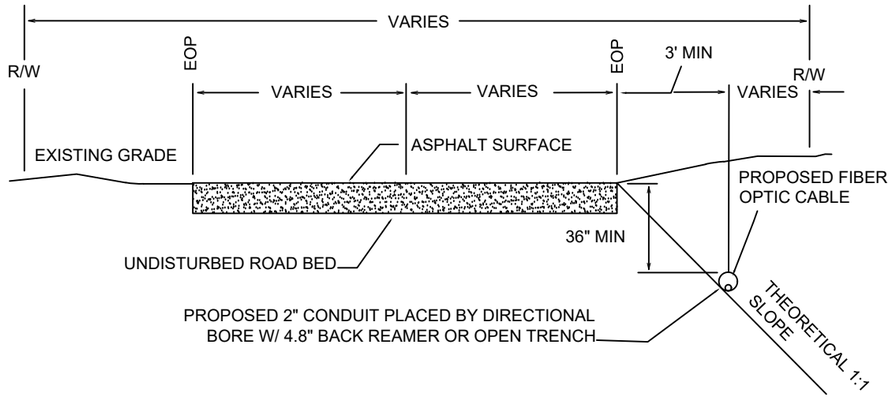
SHEET: F of 1

CONFIDENTIAL/PROPRIETARY

TYPICALS

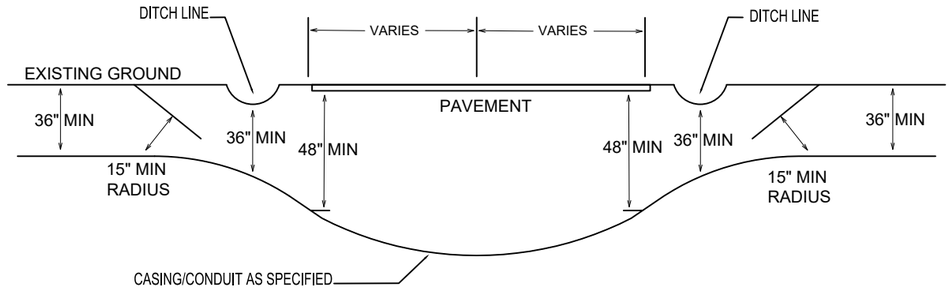
PARALLEL CONDUIT DETAIL FOR FDOT RIGHT-OF-WAY

NOT TO SCALE



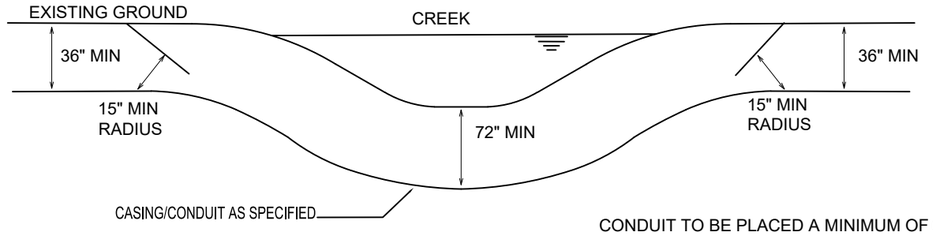
DIRECTIONAL BORE UNDER SECONDARY ROADWAY

NOT TO SCALE



DIRECTIONAL BORE UNDER CREEK BED

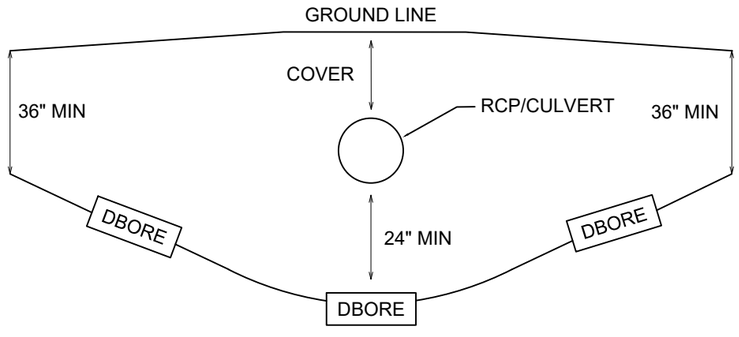
NOT TO SCALE



CONDUIT TO BE PLACED A MINIMUM OF 6 FEET BELOW CREEK BED

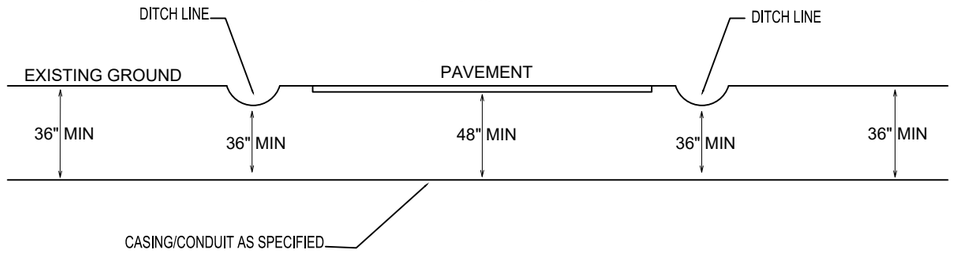
CULVERT CROSSING DETAIL

NOT TO SCALE



DRY BORE UNDER ROADWAY

NOT TO SCALE



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	04/28/2026

TEP OPCO, LLC FL COA# 31011

JOSHUA H. CARDEN LICENSE No 83511 STATE OF FLORIDA PROFESSIONAL ENGINEER

April 28th, 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: TYPICALS

PROJECT MANAGER:	SHAINE HERRICK
PROJECT ENGINEER:	DARIA COSTIN
PROJECT NUMBER:	U38569
DESCRIPTION:	138 RIDGEMONT DR
DRAWING NAME:	U38569 - WEBWORM CANAL - 138 RIDGEMONT DR-LA-MSID-1

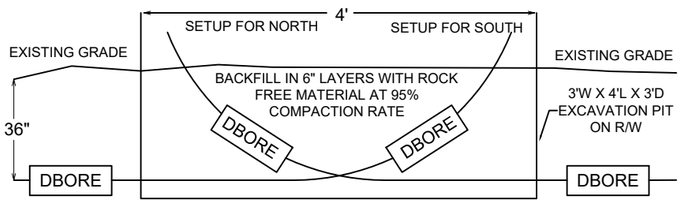
SHEET: G of 1

CONFIDENTIAL/PROPRIETARY

TYPICALS

DIRECTIONAL BORE TIE-IN DETAIL

NOT TO SCALE

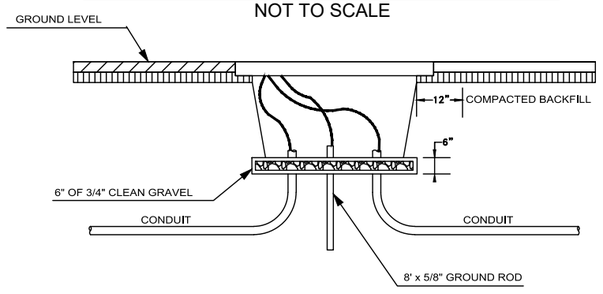


TIE-IN STATION

- 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

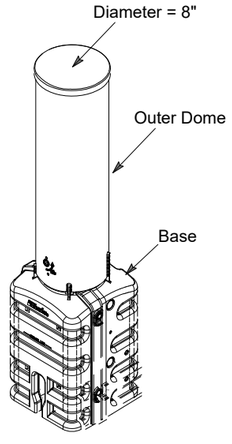
PULL BOX HANDHOLE

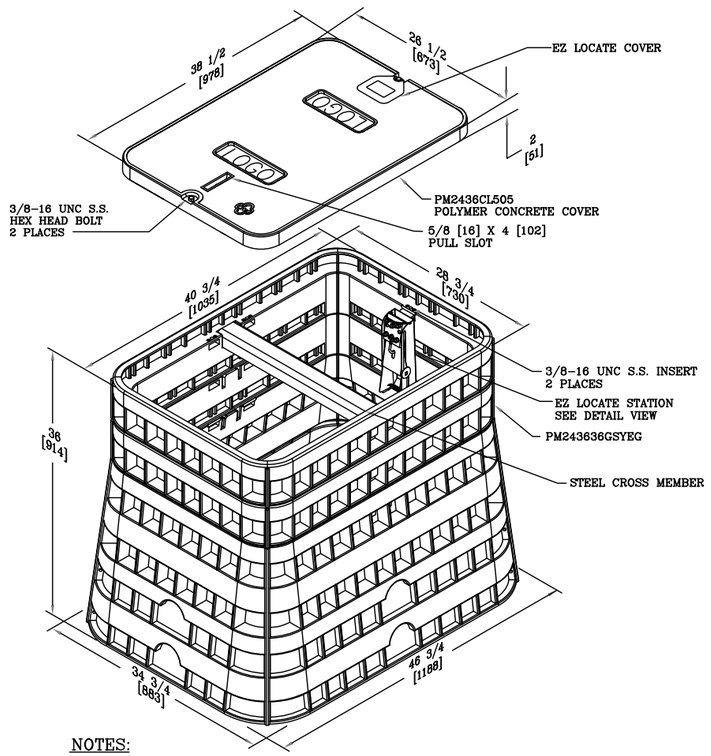
NOT TO SCALE



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.

BDO204-EG

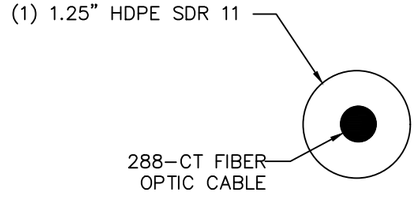




NOTES:

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



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	04/28/2026

TEP OPCO, LLC FL COA# 31011

JOSHUA H. CARDEN LICENSE No 83511 STATE OF FLORIDA PROFESSIONAL ENGINEER

April 28th, 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: TYPICALS

PROJECT MANAGER:	SHAINE HERRICK
PROJECT ENGINEER:	DARIA COSTIN
PROJECT NUMBER:	U38569
DESCRIPTION:	138 RIDGEMONT DR
DRAWING NAME:	U38569 - WEBWORM CANAL - 138 RIDGEMONT DR-LA-MSID-1

SHEET: H of 1

CONFIDENTIAL/PROPRIETARY

SPARE 1.25" DUCTS FOR FUTURE USE

(1) PROMARK DOME MARKER POST
BEGIN PERMIT
PLACE:
•(1) 24"x36"x36" HANDHOLE
•(1) ⅝" X 8' GROUND ROD
•150' SLACK LOOP

(1) PROMARK DOME MARKER POST
END PERMIT
PLACE:
•(1) 24"x36"x36" HANDHOLE
•(1) ⅝" X 8' GROUND ROD
•150' SLACK LOOP

WEBWORM CANAL
47-3-3

80'

WEBWORM CANAL
80' RESERVED FOR CANAL R/W
PB 27, PG 4

03-44-27-L3-04020.0150
LOT 15, BLOCK 20
PB 27, PG 7

03-44-27-L3-01001.0010
LOT 1, BLOCK 1
PB 27, PG 4

RIDGEMONT DR

RIDGEMONT DRIVE
60' R/W(P)

WELBY LN

SANBORN DR

60'

18'

15'

FOUND 5/8" IRON ROD
NO IDENTIFICATION

POWER POLE

19"x12" RCP
INV = 16.3'

19"x12" RCP
INV = 16.9'

19"x12" RCP
INV = 17.0'

INV = 13.5'
INV = 13.4'

INV = 13.4'
INV = 13.3'

N 89°08'00" E 100.00'(F)(P)

N 89°08'00" E (C)
N 89°17'32" E (P)

N 89°08'00" E 125.00'(C)

FMND IN CHOP
OUT NO ID

FIR 5/8" NO ID

FND 10PENNY
W/DISK "LB 7373"

FOUND 5/8" IRON ROD WITH CAP
"WILSON LB 43"

BENCHMARK
SET N&D "LB 7917"
N = 852715.41'
E = 785472.44'
ELEV = 17.69'
NAVD 88

BENCHMARK
SET N&D "LB 7917"
N = 852719.39'
E = 785692.67'
ELEV = 18.22'
NAVD 88

PROPOSED PERMANENT UTILITY MARKER
(AT LEAST 4' HIGH) WITH UTILITY COMPANY
CONTACT INFORMATION CLEARLY MARKED ON IT

DIRECTIONAL BORE:
•(1) 1.25" HDPE SDR 11 CONDUIT
•(1) 288-CT FIBER OPTIC CABLE
•MINIMUM DEPTH UNDER (2) 30" CPP = 120"
•MINIMUM TOTAL DEPTH = 172"

0 10' 20' 30' 40' 50'
SCALE: 1"=50'

N

Know what's below
Call before you dig.

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	04/28/2026

TEP OPCO, LLC FL COA# 31011

JOSHUA H. CARDEN
LICENSE
No 83511
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

April 28th, 2026

This item has been digitally signed and sealed by JOSHUA H. CARDEN on the date adjacent to the seal.

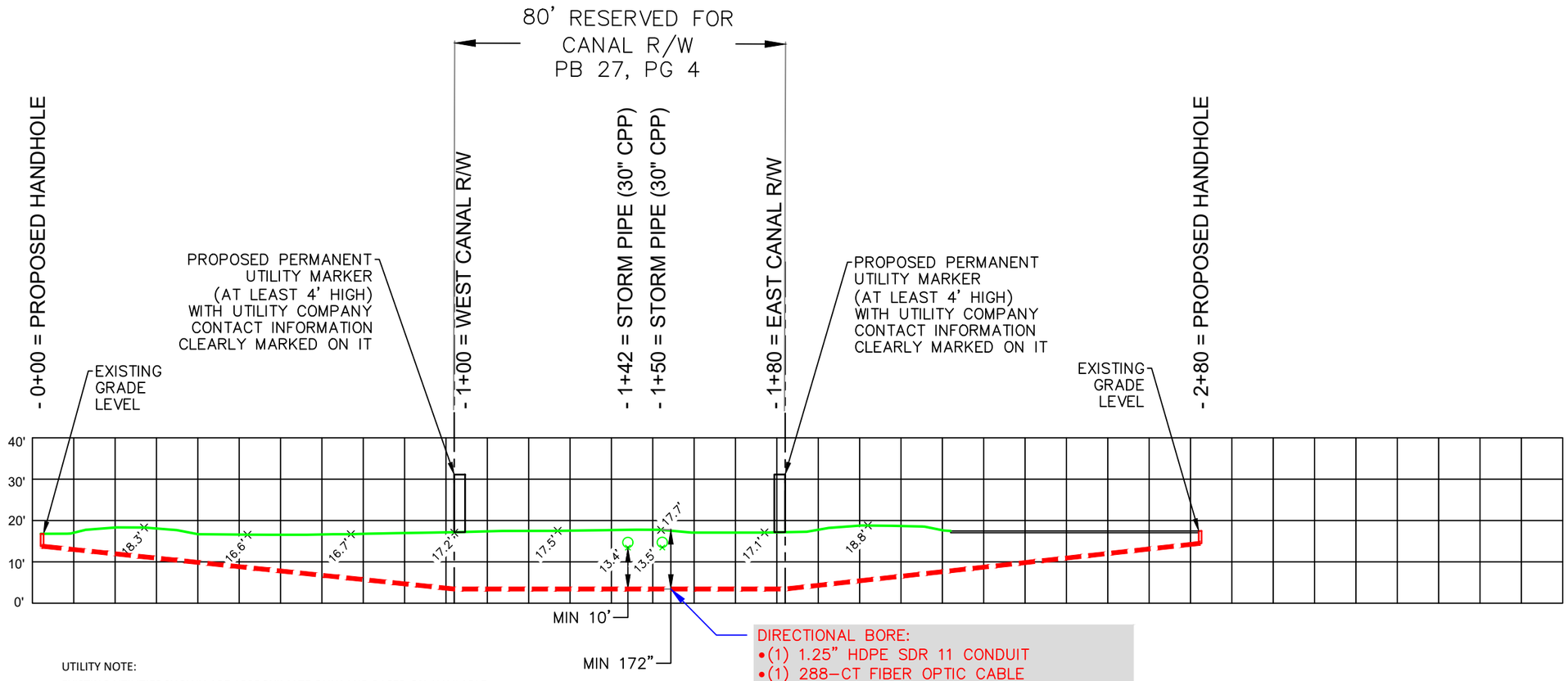
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

SHEET TITLE:
PROJECT SHEET

PROJECT MANAGER:	SHAINE HERRICK
PROJECT ENGINEER:	DARIA COSTIN
PROJECT NUMBER:	U38569
DESCRIPTION:	138 RIDGEMONT DR
DRAWING NAME:	U38569 - WEBWORM CANAL - 138 RIDGEMONT DR-LA-MSID-1
SHEET:	1 of 1

CONFIDENTIAL/PROPRIETARY

SUB-GRADE VERTICAL PROFILE VIEW
RIDGEMONT DR
FACING NORTH



UTILITY NOTE:

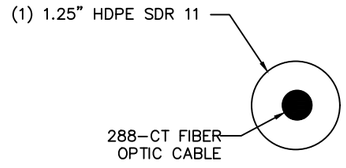
EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND BASED ON AVAILABLE RECORDS, VERBAL INFORMATION AND/OR PHYSICAL FEATURES. PRIOR TO CONSTRUCTION (AT LEAST 72 HOURS OR THE MORE RESTRICTIVE MINIMUM NOTIFICATION PERIOD), THE CONTRACTOR SHALL CONTACT SUNSHINE 811 TO ALLOW MARKING OF EXISTING BURIED UTILITIES 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 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	04/28/2026

TEP OPCO, LLC FL COA# 31011

JOSHUA H. CARDEN LICENSE No 83511 STATE OF FLORIDA PROFESSIONAL ENGINEER

April 28th, 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:	U38569
DESCRIPTION:	138 RIDGEMONT DR
DRAWING NAME:	U38569 - WEBWORM CANAL - 138 RIDGEMONT DR-LA-MSID-1
SHEET:	1A of 1

CONFIDENTIAL/PROPRIETARY

STREET LEVEL VIEW
STA 1+00
FACING EAST



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	04/28/2026

TEP OPCO, LLC — FL COA# 31011

JOSHUA H. CARDEN LICENSE No 83511 STATE OF FLORIDA PROFESSIONAL ENGINEER

April 28th, 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.

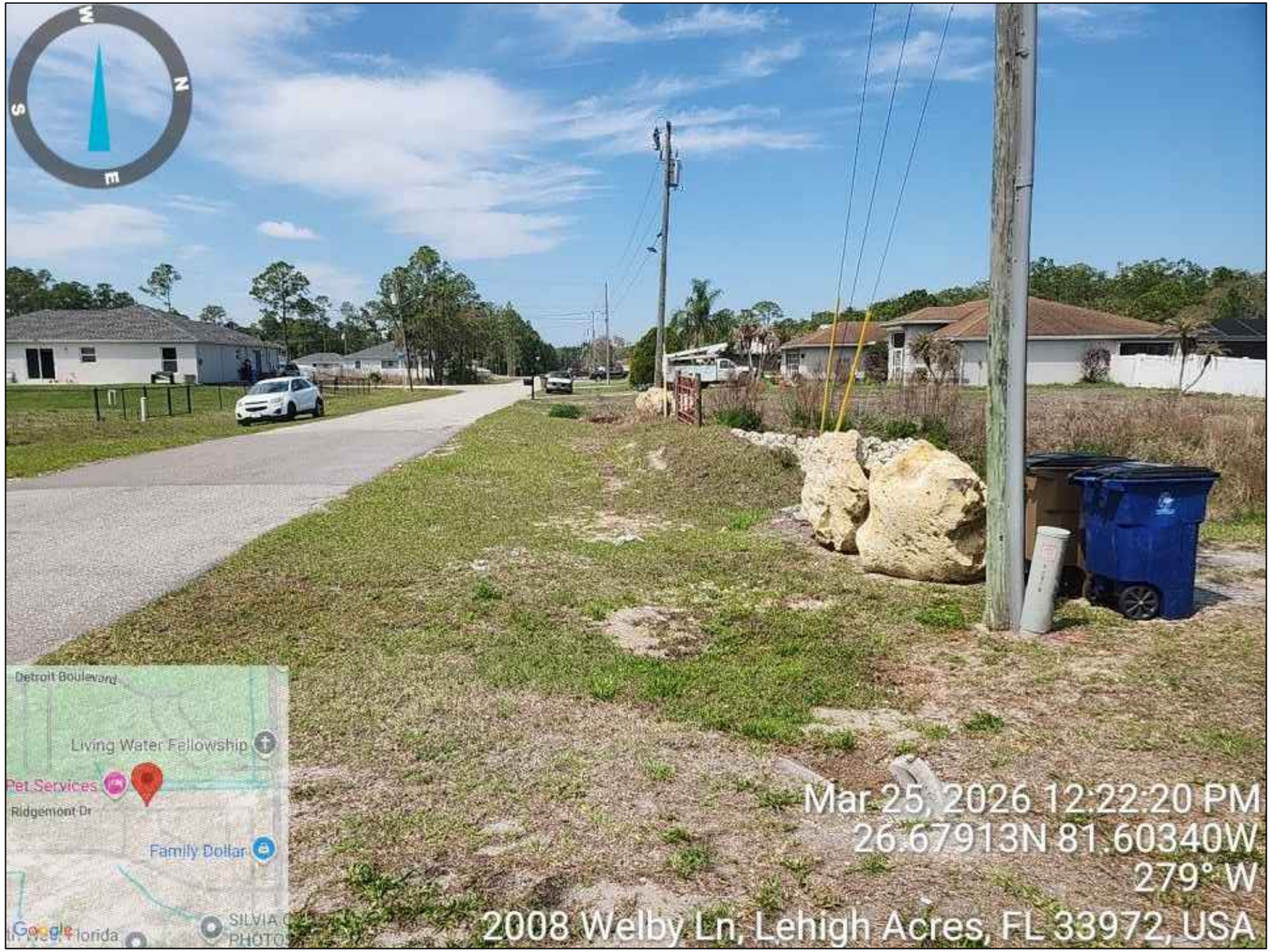
SHEET TITLE: PROJECT SHEET

PROJECT MANAGER:	SHAINE HERRICK
PROJECT ENGINEER:	DARIA COSTIN
PROJECT NUMBER:	U38569
DESCRIPTION:	138 RIDGEMONT DR
DRAWING NAME:	U38569 - WEBWORM CANAL - 138 RIDGEMONT DR-LA-MSID-1

SHEET: I1 of 1

CONFIDENTIAL/PROPRIETARY

STREET LEVEL VIEW
STA 1+75
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	04/28/2026

TEP OPCO, LLC FL COA# 31011

JOSHUA H. CARDEN LICENSE No 83511 STATE OF FLORIDA PROFESSIONAL ENGINEER

April 28th, 2026

This item has been digitally signed and sealed by JOSHUA H. CARDEN on the date adjacent to the seal.

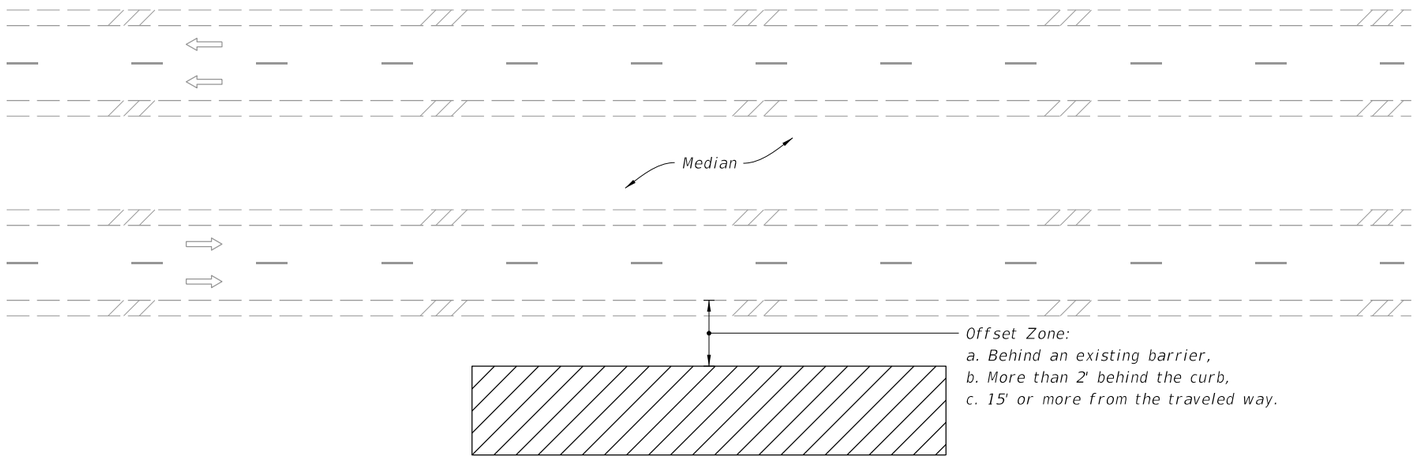
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

SHEET TITLE: PROJECT SHEET

PROJECT MANAGER:	SHAINE HERRICK
PROJECT ENGINEER:	DARIA COSTIN
PROJECT NUMBER:	U38569
DESCRIPTION:	138 RIDGEMONT DR
DRAWING NAME:	U38569 - WEBWORM CANAL - 138 RIDGEMONT 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.

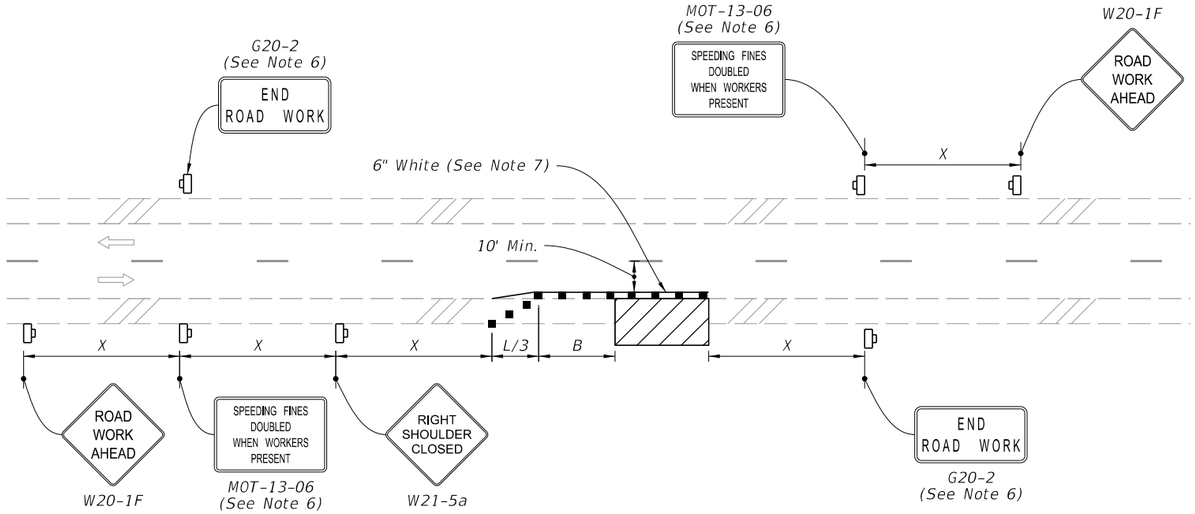
7. Temporary pavement markings may be omitted when the work operation is in place for 3 days or less.

8. Omit "Shoulder Closed" signs (W21-5a) along with associated work zone sign spacing distances for work on the median.

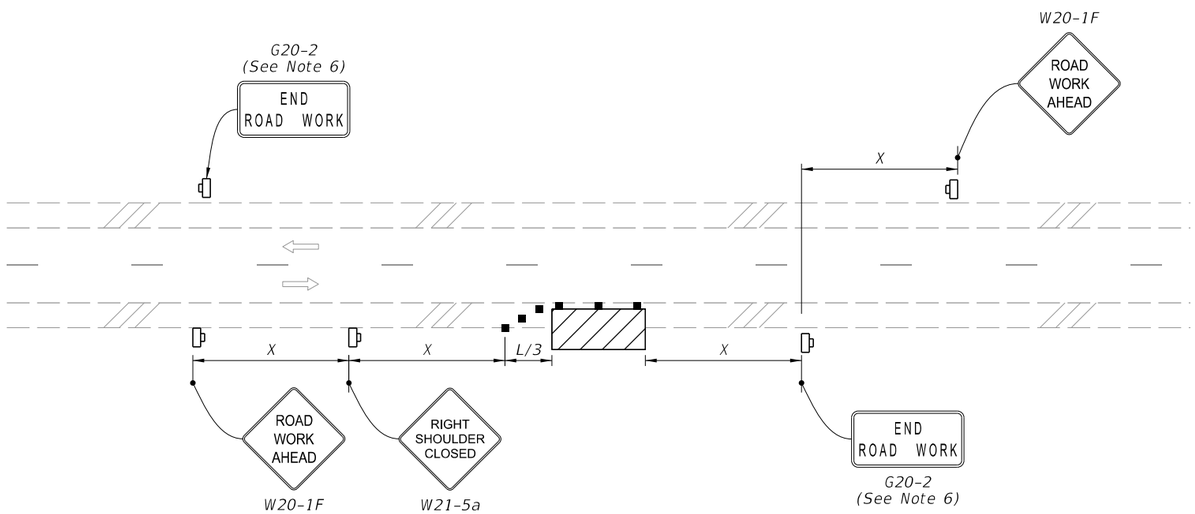
9. When there is no paved shoulder, the "Worker" sign (W21-1) may be used instead of the "Shoulder Closed" sign (W21-5a).

SYMBOLS:

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Lane Identification and Direction of Traffic



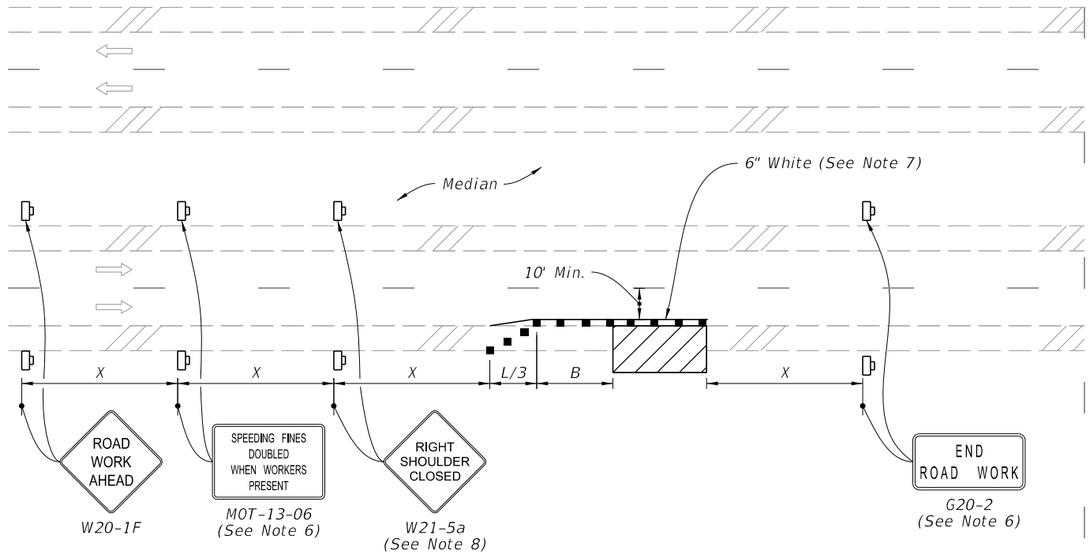
TWO-LANE ROADWAY
SHOULDER WORK LESS THAN 2' FROM THE TRAVELED WAY
WITH WORK ZONE SPEED OF 45 MPH OR LESS



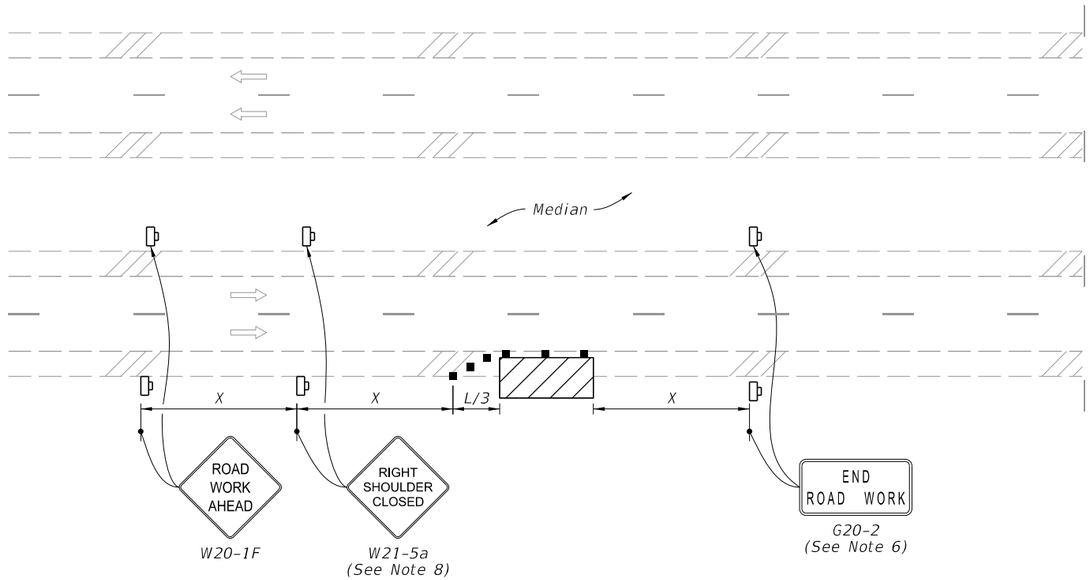
TWO-LANE ROADWAY
SHOULDER WORK BETWEEN 2' AND 15' FROM THE TRAVELED WAY

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.

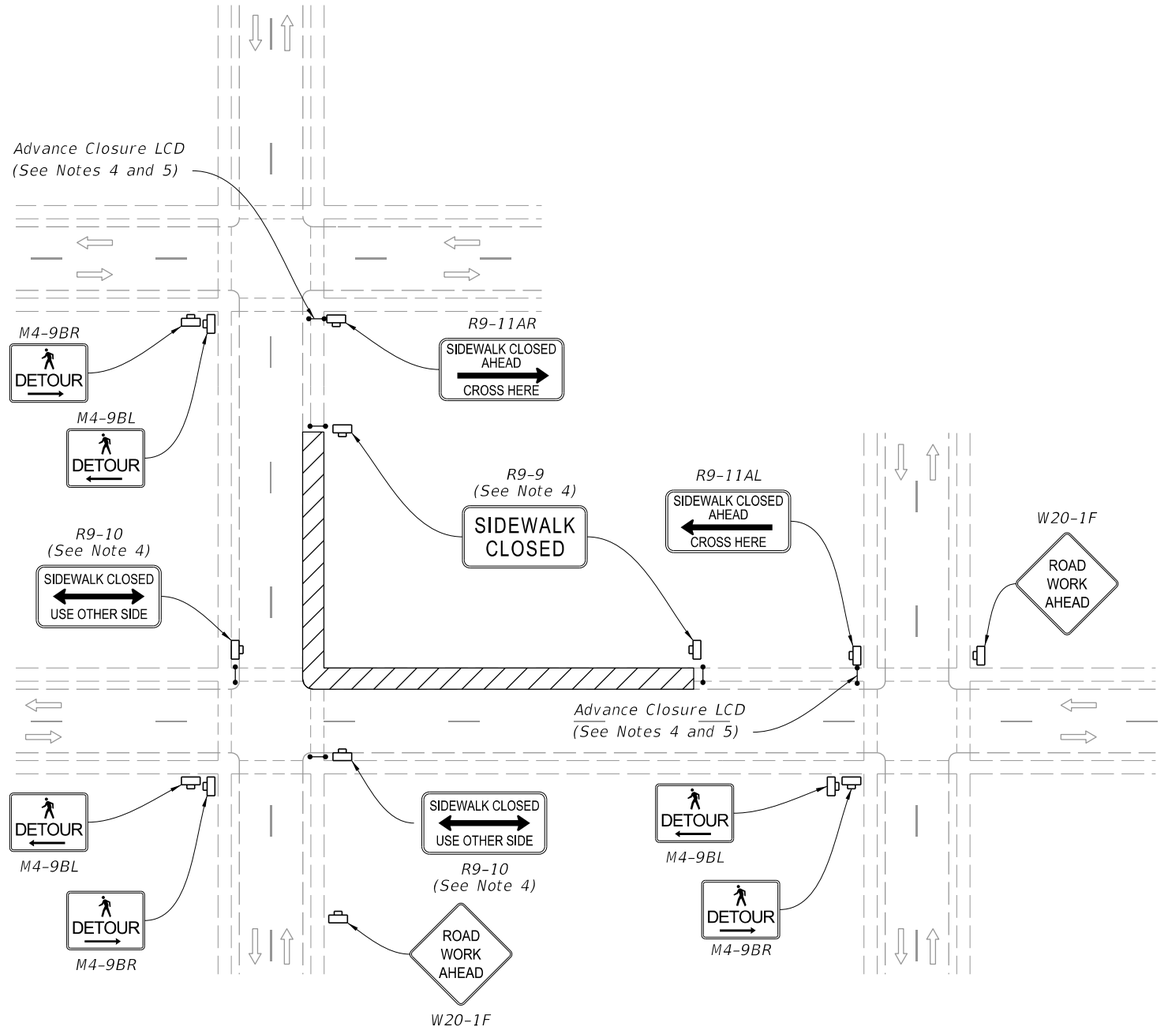
3. For post mounted signs located near or adjacent to a sidewalk, maintain a minimum 7' clearance from the bottom of the sign panel to the surface of the sidewalk.

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'.

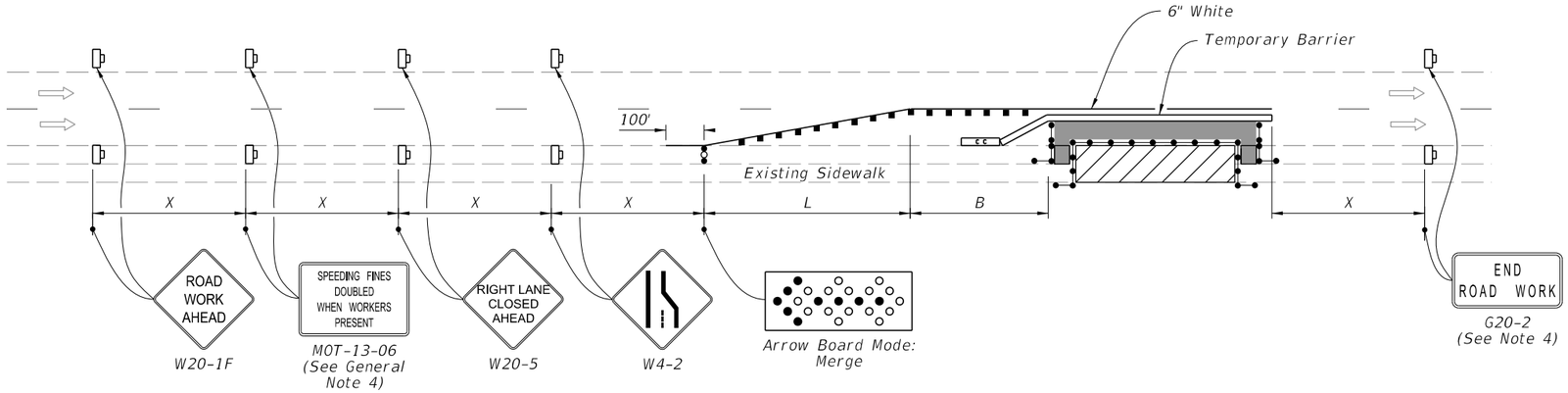
3. When temporary pedestrian ways require curb ramps, meet the requirements of Index 522-002. Detectable warnings are not required for curb ramps diverting pedestrian traffic into a closed lane.

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.

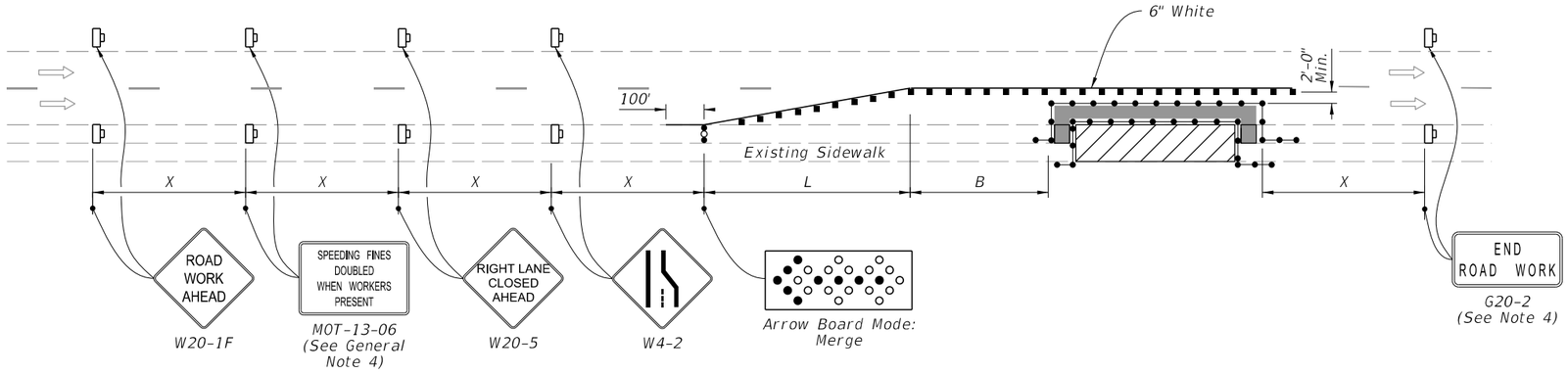
SYMBOLS:

- 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



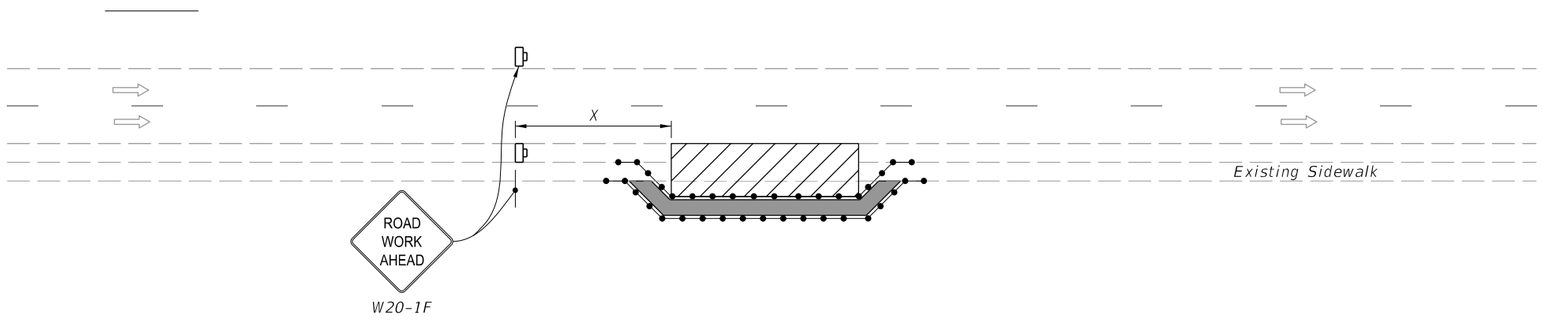
PEDESTRIAN DIVERSION - OPTION 1

(Temporary Barrier Shown, Low Profile Barrier Similar)



PEDESTRIAN DIVERSION - OPTION 2

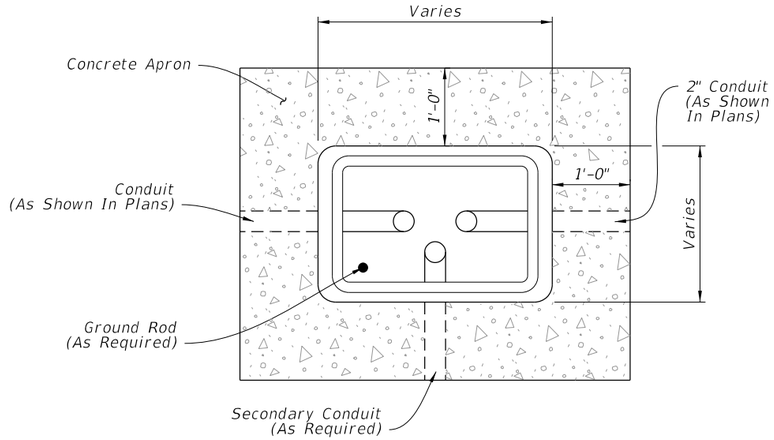
(Work Zone Speed 45 mph or Less)



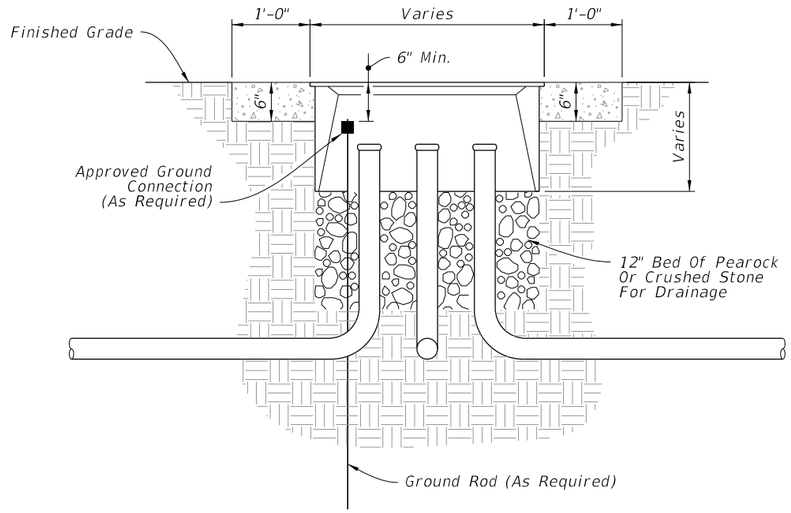
PEDESTRIAN SPECIAL DETOUR

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

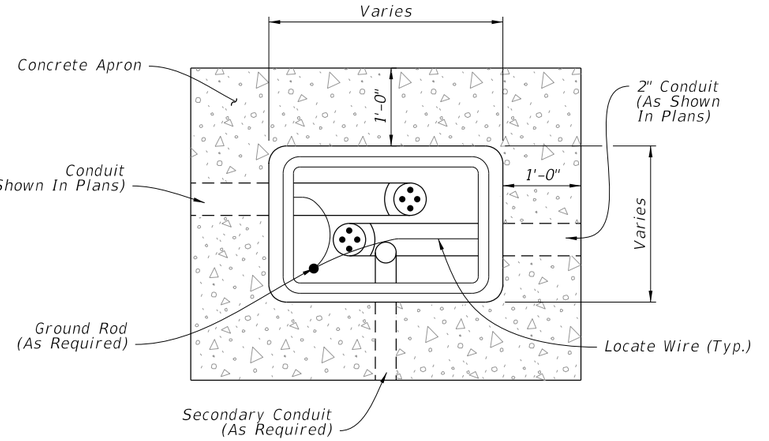


PLAN

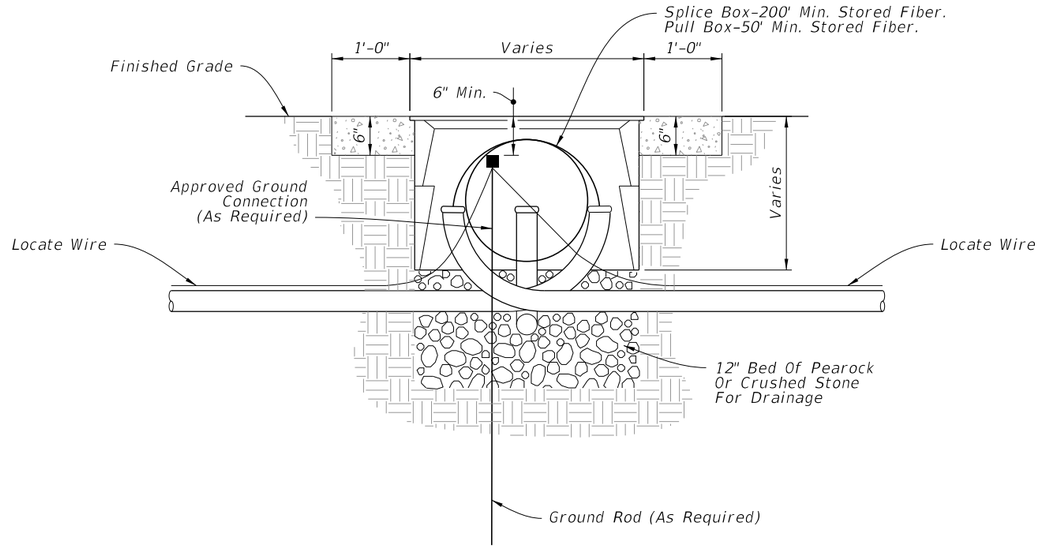


ELEVATION

PULL BOX



PLAN



ELEVATION

FIBER OPTIC BOX

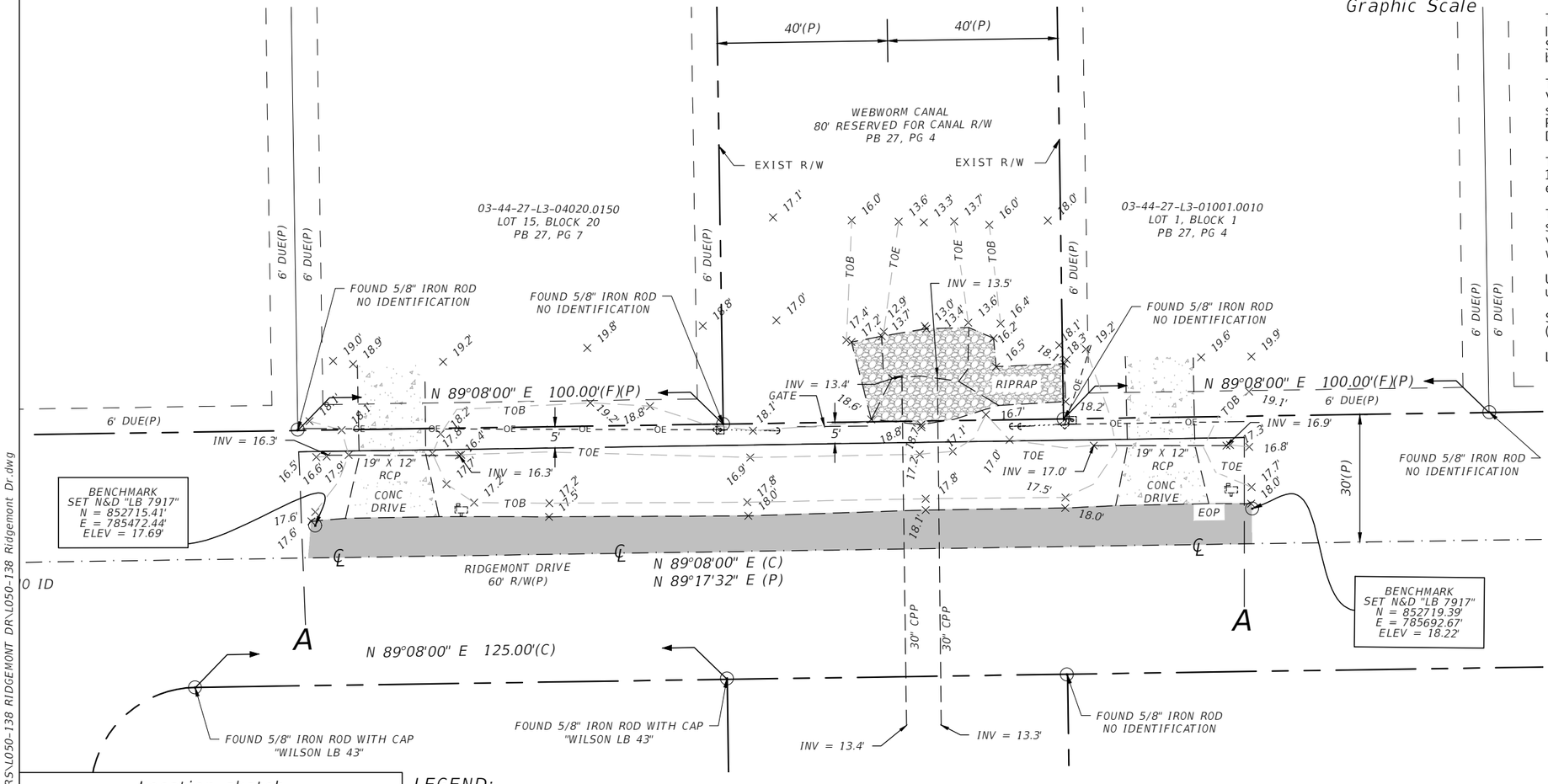
NOTES:

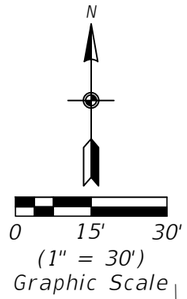
1. Provide fiber optic splice boxes with cable hanger racks designed to support cables and splice enclosures.
2. Install a 1'-0" wide (Min.) concrete apron around all boxes using Class NS concrete. Slope the apron away from the box.
3. Where multiple pull boxes are placed side by side, maintain at least 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





Topographic Survey of a Subject Project Site

lying within

Section 3, Township 44 South, Range 27 East
Lehigh Acres, Lee County, Florida

NOTES:

Survey based on the plat of Unit 1 - Greenbriar as recorded in Plat Book 27 Page 4 and plat of Unit 4 - Greenbriar as recorded in Plat Book 27 Page 1, 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 North of Ridgemont Drive between Welby Lane and Sanborn 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 0336F (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.

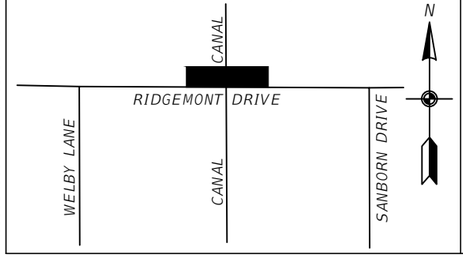
This survey is only for the lands as described. It is not a certificate of title, zoning, easements or freedom of encumbrances.

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.

Ridgemont Drive, Lehigh Acres

Location sketch
(Not to scale)



LEGEND:

(P)	= PER PLAT	INV	= INVERT ELEVATION
(C)	= CALCULATED	N&D	= NAIL AND DISK
(F)	= FIELD MEASURE	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
= TELEPHONE PEDESTAL
= MAILBOX
= GUY ANCHOR
= ELECTRICAL POLE

TOPOGRAPHIC SURVEY-PLAN VIEW

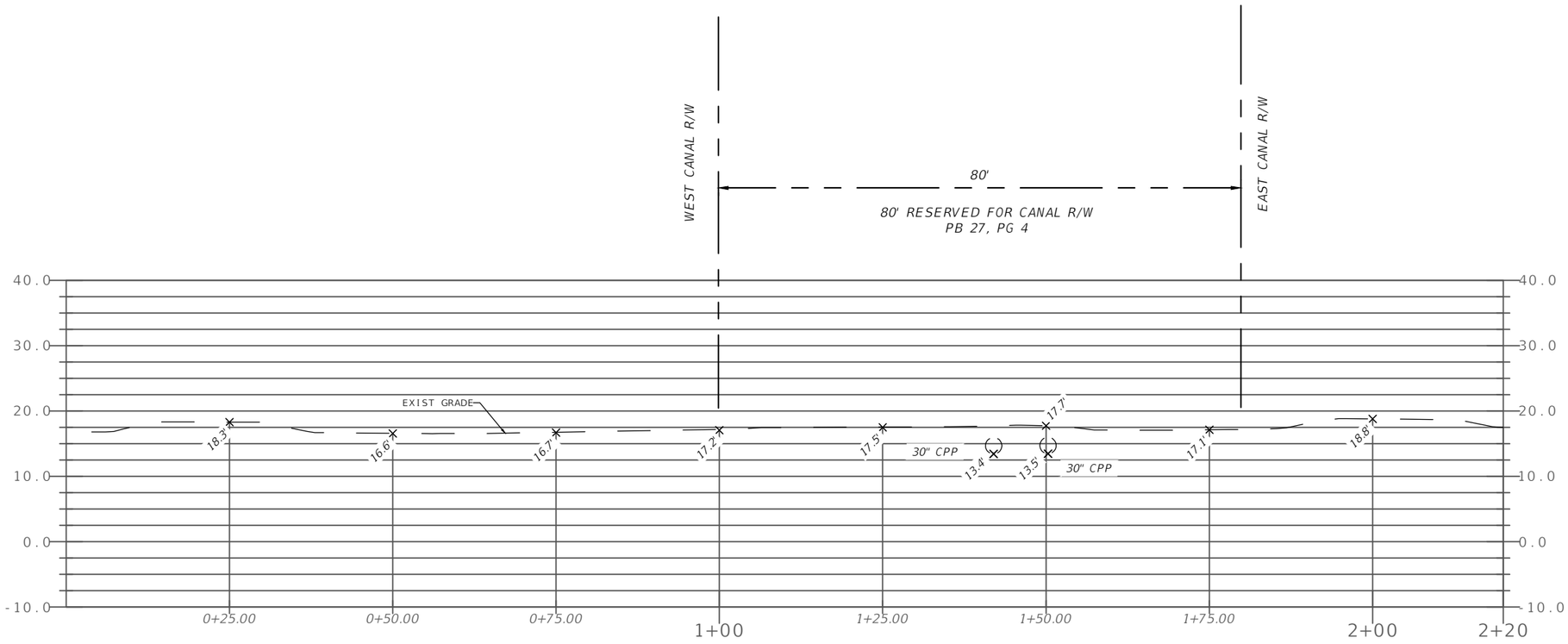
McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name:	Field book/page:	Project No.:
L050-138 Ridgemont Dr.dwg	106981-3/25	106980001-L050

Survey date:	Drawn by:	Checked by:	Sheet No.:
12/18/2025	KB	TJH	01 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L050-138 RIDGEMONT DR\L050-138 Ridgemont Dr.dwg

Topographic Survey of a
Subject Project Site
Section 3, 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

Ridgemont 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.:
L050-138 Ridgemont Dr.dwg	106981-3/25	106980001-L050

Survey date:	Drawn by:	Checked by:	Sheet No.:
12/18/2025	KB	TJH	02 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L050-138 RIDGEMONT DR\L050-138 Ridgemont Dr.dwg

PLAT OF

UNIT 1 - GREENBRIAR

PLAT BOOK 27 PAGE 4

SECTION 3, TWP. 44 S., RGE. 27 E.

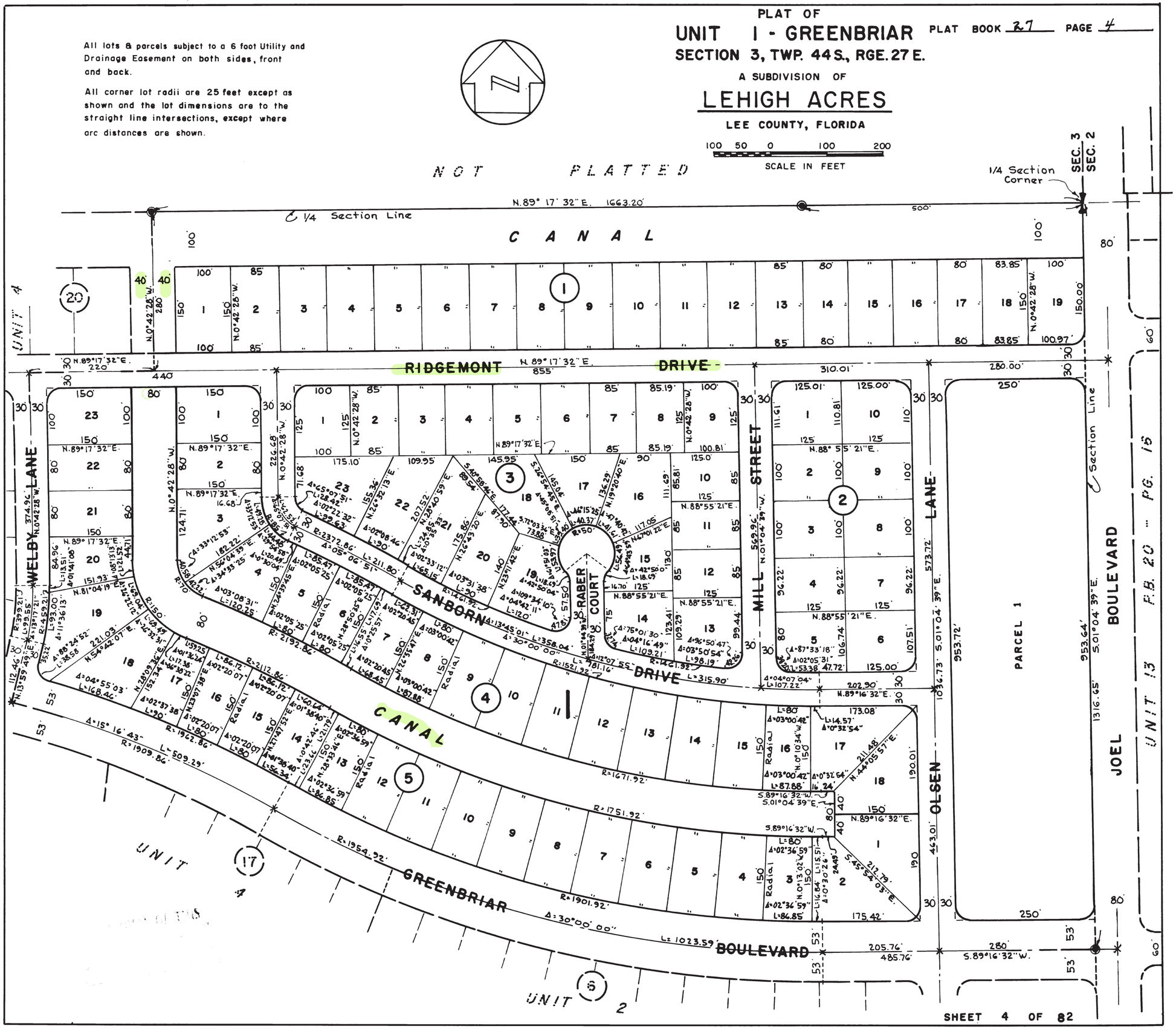
A SUBDIVISION OF

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 #26-21

Recommended Action

Engineering Review:

By: _____5/7/2026 **Approved _X_ Denied __**

District Field Review:

By: _____ Approved ___ Denied ___

District Manager: _____ Date: _____

Comments:

The referenced permit application for a boring under Webworm Canal (47-3-3) at Ridgemont Dr, in Lehigh Acres, submitted by Lumos, 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 PERMIT

THIS PERMIT is granted this 18th day of May, 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 Hawk Canal (57-2-3), along the east side of Andalucia Ave. S., between Belmont St. E. & Binkley 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. 26-24

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 #26-24 is approved according to the revised plans submitted April 30th, 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' width of 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 Andalucia Ave. S.

PART I

DATE SUBMITTED: 04 - 30 - 26

PERMIT #: 26 - 24

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_13-221 Andalucia Ave S -Hawk Canal #57-2-3

TOTAL ACREAGE: NA

Property Address (STRAP associated with this address will be used as the primary STRAP for this project): **221 Andalucia Ave S**					
Mailing Address:	**NA**				
City:	**Lehigh Acres**	**State:**	**FL**	**Zip:**	**33974**

STRAP NUMBERS (attach additional sheet if necessary):

0	2	-	4	5	-	2	7	-	L	3	-	1	3	0	8	8	-	0	0	1	0

Brief description of proposed project:

Application for: Lumos proposes to install (1) 1.25" conduit(s) with an 80.16' UG bore utilizing a 2" bore head to cross the Hawk Canal (57-2-3) at Andalucia Ave S within MSID easement boundaries. This application covers the permanent underground installation only.

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

Estimated # of Phases:	1	
***Permit Fee:**	$ 1,952.4	**(to be verified by staff)**

RECEIVED
APR 30 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	**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:	**Milenium Directional Drilling, Inc**						
Mailing Address:	**Street:**	**5395 Cogswell Dr**					
City:	**Wayne**	**State:**	**MI**		**Zip:**	**48184**	
Phone No.	**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:**	**GA**		**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:	**NA**						
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 April (m), 2026 (y), by Wiliam Kiefer who is personally know to me or has produced N/A as identification.

OFFICIAL SEAL
KYLE LEWIS PARKEY
NOTARY PUBLIC - ARIZONA
MARICOPA COUNTY
COMM# 691029
My Comm. Expires December 15, 2029

Kyle Parkey
SIGNATURE OF NOTARY PUBLIC

Kyle Lewis Parkey

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	**The thumb drives only have AutoCAD files of the plans** **Need the survey sheets as well and PDF files of plans and surveys**
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.

GRIDIRON
P.O. BOX 1028
WAYNESBORO, VA 22980

FIFTH THIRD BANK
13-31/420

60002677

02/12/2026

PAY TO THE ORDER OF LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT $ **$1,950.00

one thousand nine hundred fifty and 00/100********** DOLLARS

VOID IF NOT CASHED IN 90 DAYS

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRI
601 East County Ln
Lehigh Acres FL 33936
United States

MP

MEMO

⑈60002677⑈ ⑆042000314⑆ 70291001125⑈

GRIDIRON

60002677

02/12/2026 404662 LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

Type	Ref. No.	Date	Description	Orig. Amt.	Amt. Due	Credit	Payment
Bill	27			$1,950.00	$1,950.00		$1,950.00

GRIDIRON

60002677

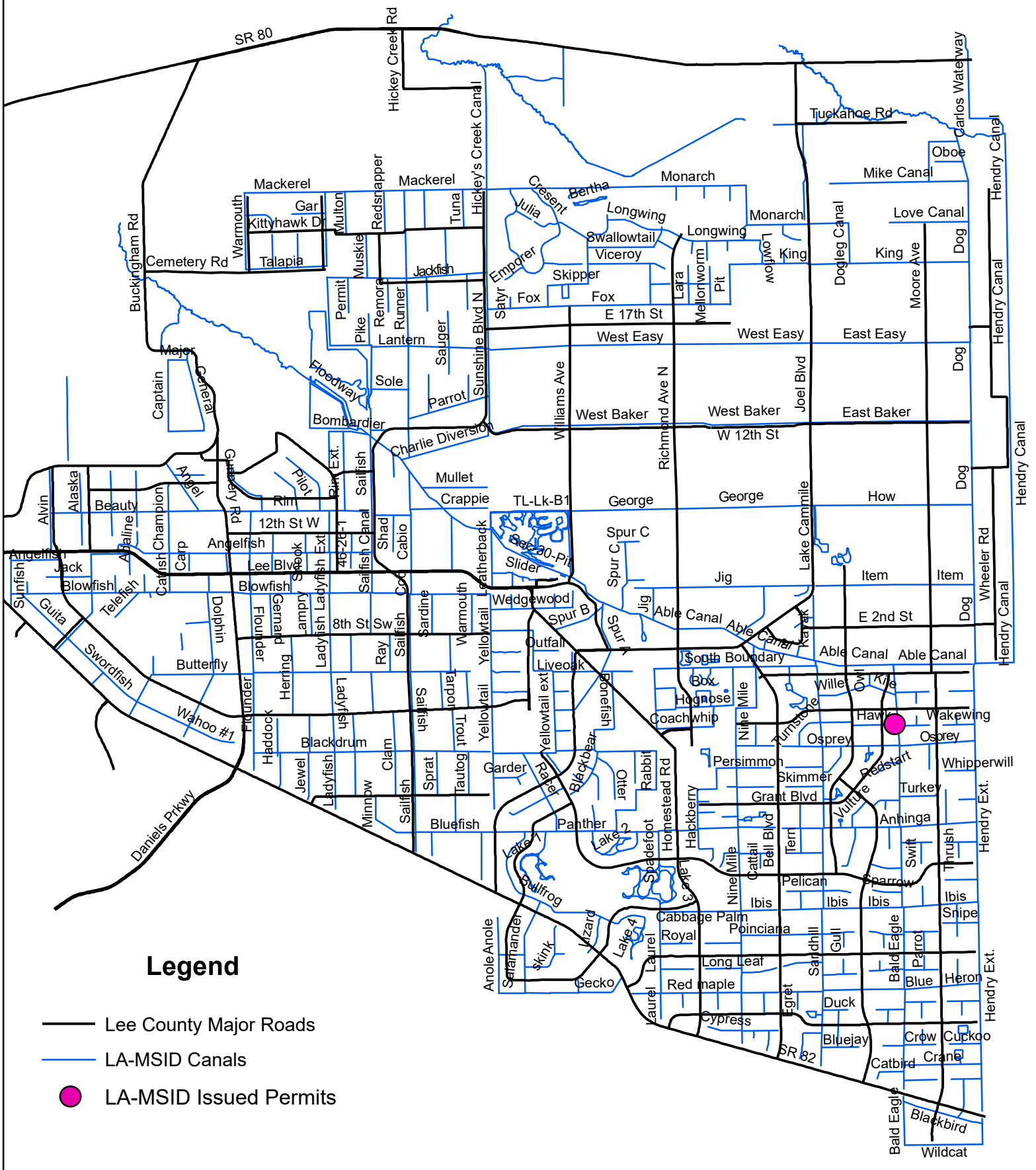
02/12/2026 404662 LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

Type	Ref. No.	Date	Description	Orig. Amt.	Amt. Due	Credit	Payment
Bill	27			$1,950.00	$1,950.00		$1,950.00

Permit #26-24

Scanned with CamScanner

Permit # 2026-24



Legend

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

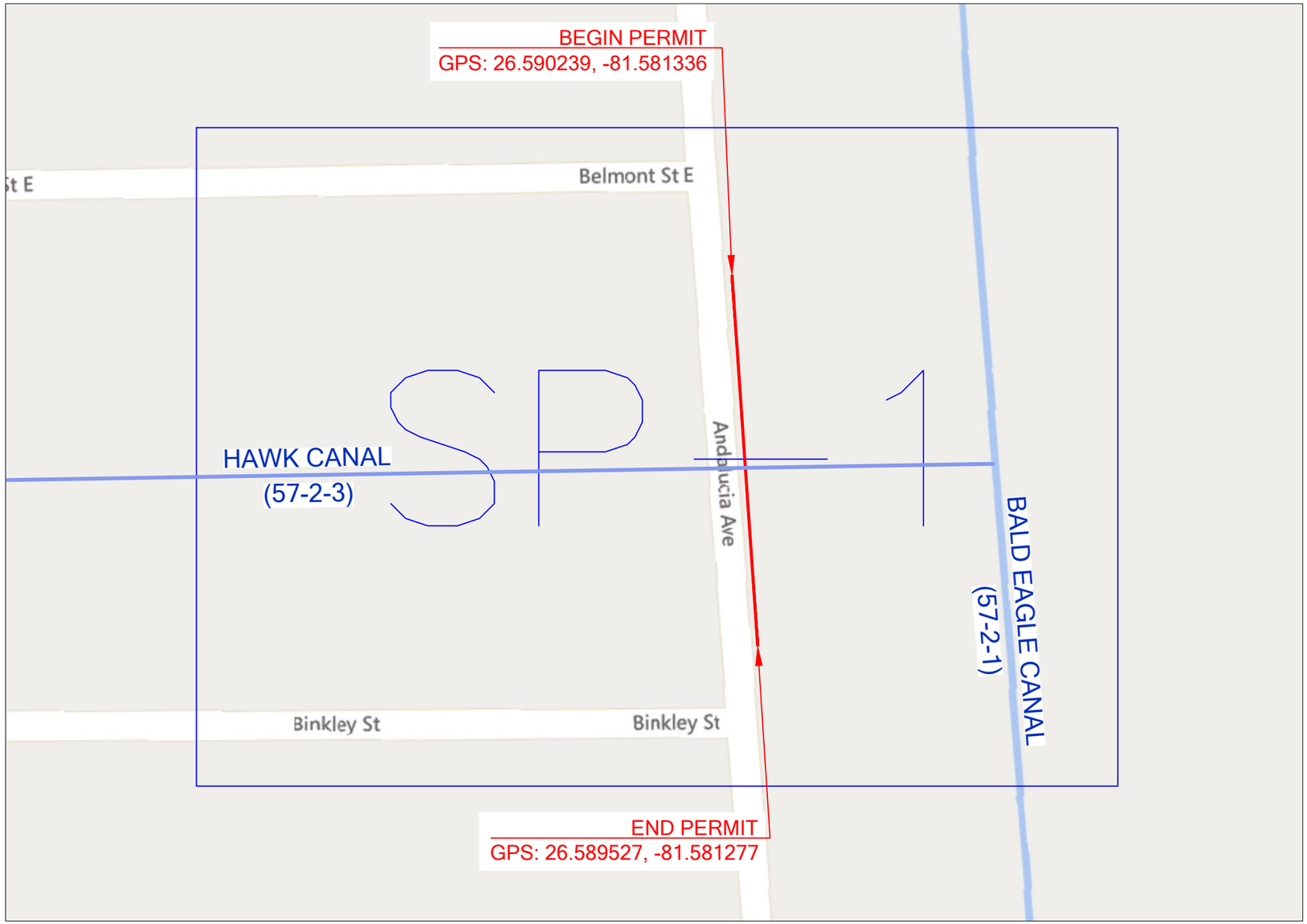
LUMOS NETWORKS
JOB NUMBER: R0LEEFL-07-13
ROUTE NAME: LE1_07_FDH_13

LUMOS PROPOSED FIBER OPTIC NETWORK PLACEMENT

CONSTRUCTION METHOD	FOOTAGE
UNDERGROUND	80.16′
AERIAL	0'

TOTAL PROPOSED FOOTAGE = 80.16′

INDEX TO SHEET	
SHEET	TITLE
CV-1	LOCATION MAP
GN-1	LEGEND
GN-2	GENERAL NOTES AND CONSTRUCTION NOTE
SP-1	CONSTRUCTION PLANS
SP-A	PROFILE VIEW
SP-B	IMAGE



INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

PREPARED BY:6030 BETHELVIEW RD,SUITE #301
CUMMING, GA 30040.USA

PROJECT INFORMATION	
SITE NAME:	LE1_07_FDH_13
SITE ADDRESS:	221 ANDALUCIA AVE S
COUNTY:	LEE
APPROVER:	

SUBMITTAL INFORMATION			
REV	DATE	DESCRIPTION	INIT
0	02/26/2026	PERMIT DRAWING	CENT
1	03/12/2026	PERMIT DRAWING	CENT
2	03/26/2026	PERMIT DRAWING	CENT
3	04/10/2026	PERMIT DRAWING	CENT

CONSTRUCTION NOTES:

N

SHEET TITLE
LOCATION MAP

SHEET NUMBER
CV-1

DRAWING SHEET
1 OF 6

LUMOS:

NAME: JASON BUSH
CELL: (850)428 - 1313

UTILITIES:

FL811 (800-432-4770)

CENTILLION:

CRAIG BLACK - PROJECT MANAGER
(CELL)720-597-5320

PERMITS:

LEHIGH ACRES MSID - PERMIT NUMBER / DATE: TBD

LINETYPE LEGEND

EOP	= EX. EDGE OF PAVEMENT
C/L	= EX. CENTER LINE
R/W	= EX. RIGHT OF WAY
ESMT	= EX. EASEMENT
	= EX. PROPERTY LINE
	= EX. BUILDING EDGE
OHF OHF	= EX. OVERHEAD FIBER
BFO BFO	= EX. BURIED FIBER
EX_STRAND	= EX. STRAND
	= EX. FENCE
GR GR	= EX. GUARDRAIL
	= RAILROAD
DB	= DIRECTIONAL BORE
	= WATER BODY
	= CULVERT
OHF OHF	= PROP. OVERHEAD FIBER
BFO BFO	= PROP. BURIED FIBER
	= PROP. CONDUIT
Strand Strand	= PROP. STRAND
	= PROP. MULTIPORT TAIL
SD	= STORM DRAINAGE
SS	= SEWER LINE
W	= WATER LINE
T	= TELCO LINE
TV	= CABLE TV LINE
E	= ELECTRIC LINE
TRAFF	= TRAFFIC LINE
G	= GAS LINE
	= DITCH LINE

SYMBOL LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	PROPOSED ANCHOR & GUY		DUCT COUNT
	FOREIGN/EXISTING ANCHOR & GUY		FIRE HYDRANT
	MGNV		WATER VALVE / METER
	JOINT USE POLE	W	WATER MANHOLE
	POWER POLE	S	SEWER MANHOLE
	COMMUNICATION POLE	SD	STORM MANHOLE
S	STEEL POLE		STORM INLET / CATCH BASIN
	CATV POLE	G	GAS VALVE / METER
	PROPOSED POLE	P	ELECTRIC MANHOLE
R	RISER	P	ELECTRIC HANDHOLE
	PROPOSED STORAGE LOOP		STREET LIGHT
	FIBER SPLICE	ELEC BOX	BURIED TRANSFORMER
	MIDSHEATH SPLICE	TRAF	TRAFFIC HANDHOLE
	TO C.O.		TRAFFIC POLE / SIGNAL
SPLT	SPLITTER HANDHOLE (13"X24"X18")	T	TELCO MANHOLE
SM	SMALL HANDHOLE (17"X30"X24")	TL	TELCO HANDHOLE
MED	MEDIUM HANDHOLE (24"X36"X24")	T	TELCO PEDESTAL
LHH	LARGE HANDHOLE (30"X48"X24")	CV	CABLE TV HANDHOLE
HH	EXISTING HANDHOLE	CV	CABLE TV PEDESTAL
P	PROPOSED PEDESTAL	1X8	PROPOSED 1x8 SPLITTER
P	EXISTING PEDESTAL	1X4	PROPOSED 1x4 SPLITTER
	PROPOSED FP		SIGN
3	TREE		BORE PIT

lumos™
INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

PREPARED BY:6030 BETHELVIEW RD,SUITE #301
CUMMING, GA 30040.USA
CENTILLION SOLUTIONS

PROJECT INFORMATION	
SITE NAME:	LE1_07_FDH_13
SITE ADDRESS:	221 ANDALUCIA AVE S
COUNTY:	LEE
APPROVER:	

SUBMITTAL INFORMATION			
REV	DATE	DESCRIPTION	INIT
0	02/26/2026	PERMIT DRAWING	CENT
1	03/12/2026	PERMIT DRAWING	CENT
2	03/26/2026	PERMIT DRAWING	CENT
3	04/10/2026	PERMIT DRAWING	CENT

CONSTRUCTION NOTES:

N

SHEET TITLE
LEGEND

SHEET NUMBER
GN-1

DRAWING SHEET
2 OF 6

AERIAL & U/G NOTES

ALL PROPOSED CONSTRUCTION WILL BE PER FDOT SPECIFICATIONS AS WELL AS ALL NESC SAFETY CODES.

ALL PROPOSED CATV WILL BE WITHIN THE FDOT RIGHT-OF-WAY.

ALL AERIAL CANAL RIGHT-OF-WAY CROSSINGS MUST BE A MINIMUM 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 BURIED A MINIMUM OF 40" 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 PARALLEL 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 FDOT RIGHT-OF-WAY.

ALL WORK PERFORMED WITHIN THE FDOT RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH FDOT 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.

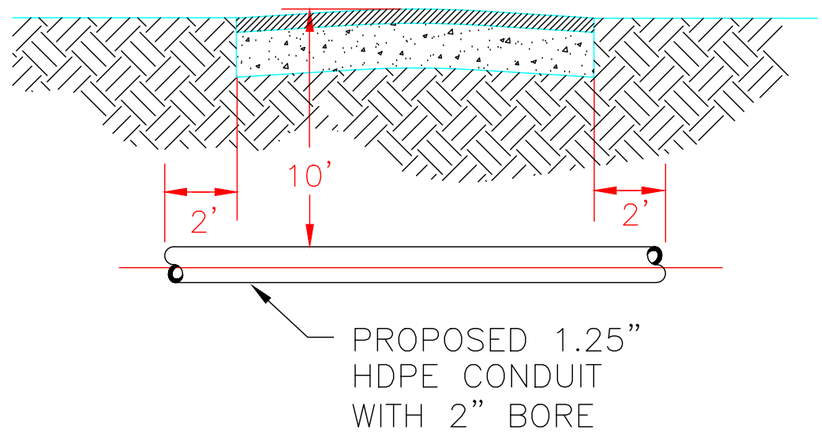
IT WILL BE THE RESPONSIBILITY OF THE PERMITTEE TO REPAIR ANY DAMAGE TO FDOT FACILITIES CAUSED BY THE CONSTRUCTION OF THE PROJECT.

ALL CONCRETE SHALL BE 3,000 PSI. APPROVED FDOT MIX DESIGN.

UTILITIES CONTACT

LEHIGH ACRES MUNICIPAL SERVICES
IMPROVEMENT DISTRICT
MICHAEL COOK
(239) 366-0044 Ext. 16
MCOOK@LA-MSID.COM
STORM WATER/CANALS

LUMOS
JASON BUSH
CONSTRUCTION MANAGER
(JASON.BUSH@LUMOSFIBER.COM)
941-812-2913



TYPICAL DRIVEWAY DIRECTIONAL BORE

N.T.S.

MOT NOTES

TRAFFIC CONTROL SHALL COMPLY WITH FEDERAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND F.D.O.T. DESIGN STANDARD #NO. 600.

lumos™
INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

PREPARED BY:6030 BETHELVIEW RD,SUITE #301
CUMMING, GA 30040.USA
CENTILLION SOLUTIONS

PROJECT INFORMATION	
SITE NAME:	LE1_07_FDH_13
SITE ADDRESS:	221 ANDALUCIA AVE S
COUNTY:	LEE
APPROVER:	

SUBMITTAL INFORMATION			
REV	DATE	DESCRIPTION	INIT
0	02/26/2026	PERMIT DRAWING	CENT
1	03/12/2026	PERMIT DRAWING	CENT
2	03/26/2026	PERMIT DRAWING	CENT
3	04/10/2026	PERMIT DRAWING	CENT

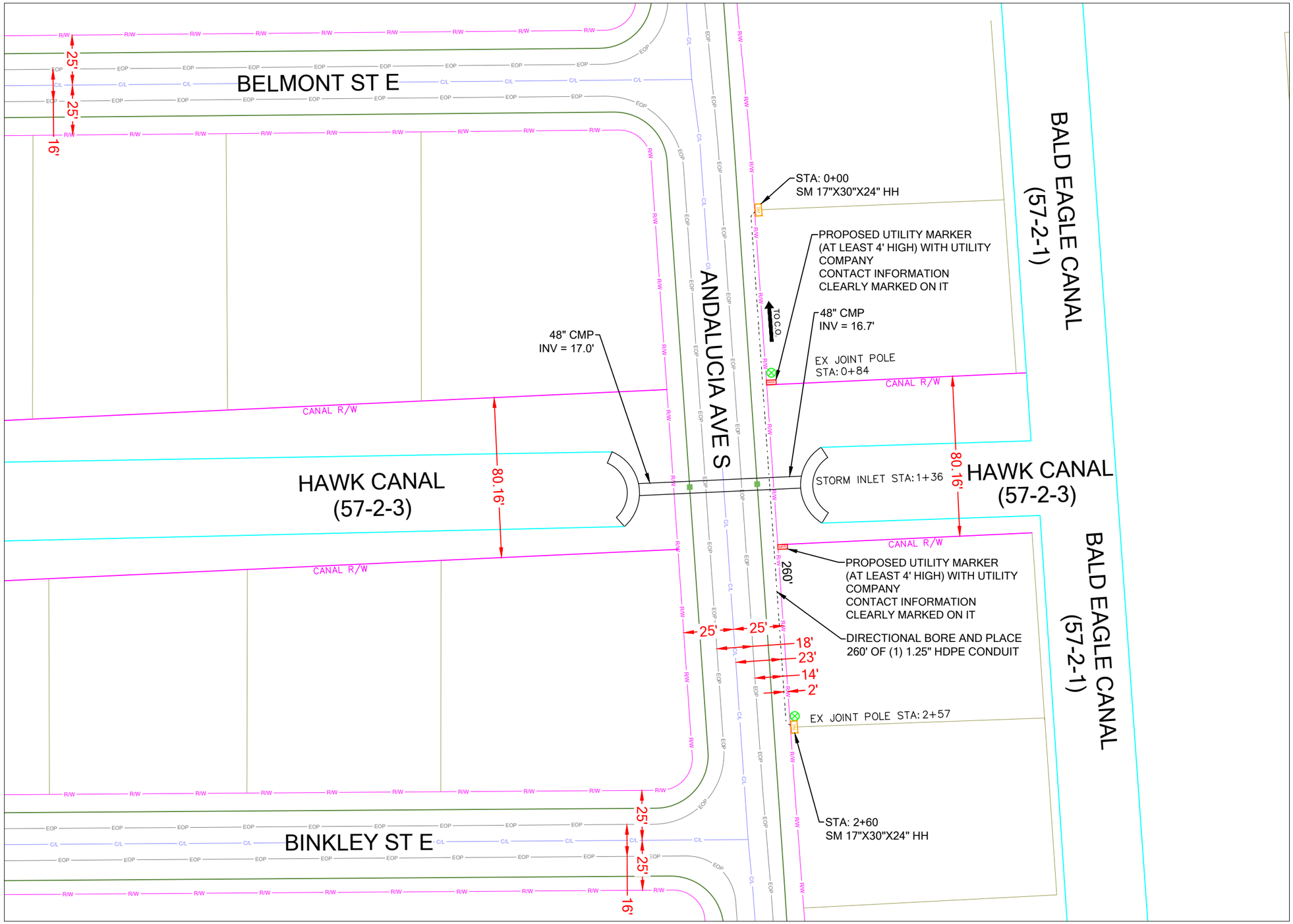
CONSTRUCTION NOTES:

N

SHEET TITLE
GENERAL NOTES

SHEET NUMBER
GN-2

DRAWING SHEET
3 OF 6

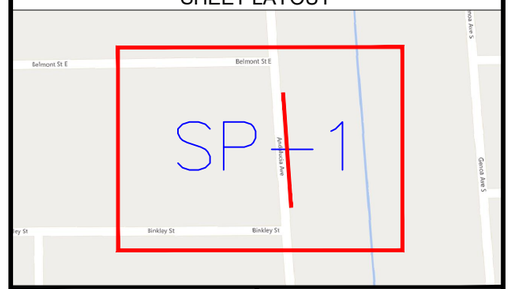


CONSTRUCTION NOTES

(1) 1.25" CONDUIT WITH 2" BORE.

BORE MUST BE 10' BELOW THE LOWEST PIPE INVERT OR THE CANAL BOTTOM, WHICHEVER IS LOWEST, FOR THE ENTIRE 80.16' 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.

SHEET LAYOUT



NOTE: LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION.

NOTE: ALL EXISTING UTILITIES PLACED ON PRINTS FOR REFERENCE ONLY. (NOT TO SCALE)

Sunshine811

INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

PREPARED BY: 6030 BETHELVIEW RD, SUITE #301 CUMMING, GA 30040. USA
CENTILLION SOLUTIONS

PROJECT INFORMATION	
SITE NAME:	LE1_07_FDH_13
SITE ADDRESS:	221 ANDALUCIA AVE S
COUNTY:	LEE
APPROVER:	

0' 25' 50'
SCALE: 1"=50'

SUBMITTAL INFORMATION			
REV	DATE	DESCRIPTION	INIT
0	02/26/2026	PERMIT DRAWING	CENT
1	03/12/2026	PERMIT DRAWING	CENT
2	03/26/2026	PERMIT DRAWING	CENT
2	04/10/2026	PERMIT DRAWING	CENT

CONSTRUCTION NOTES:

BORE ALL BURIED ROUTES
. MIN DEPTH OF 36"
. ALL CABLE PLACED IN 1.25" HDPE 2' OFF ROW UNLESS SPECIFIED
. SIDEWALKS TO BE REPLACED JOINT TO JOINT
. PLACED AT BACK OF ROW

SHEET TITLE
CONSTRUCTION PLANS

SHEET NUMBER
SP-1

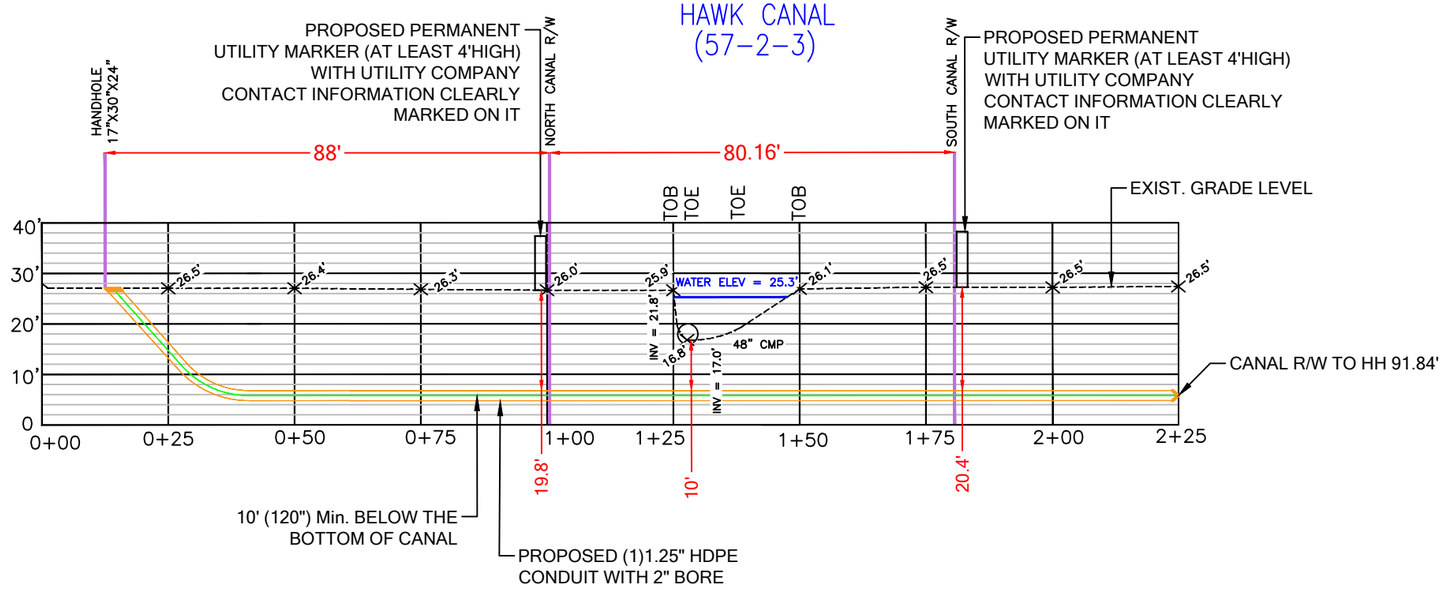
DRAWING SHEET
4 OF 6

U/G CANAL CROSS PROFILE VIEW

1" = 30' HORIZONTAL

1" = 30' VERTICAL

HAWK CANAL
(57-2-3)

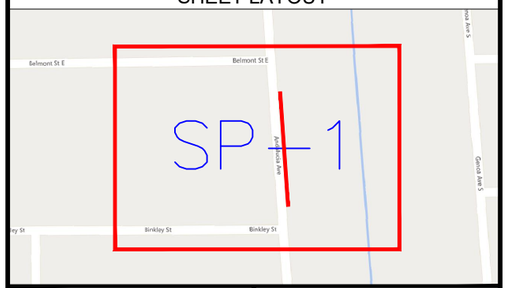


CONSTRUCTION NOTES

(1) 1.25" CONDUIT WITH 2" BORE.

BORE MUST BE 10' BELOW THE LOWEST PIPE INVERT OR THE CANAL BOTTOM, WHICHEVER IS LOWEST, FOR THE ENTIRE 80.16' 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.

SHEET LAYOUT



NOTE: LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION.

NOTE: ALL EXISTING UTILITIES PLACED ON PRINTS FOR REFERENCE ONLY. (NOT TO SCALE)

Sunshine811

lumos™
INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

6030 BETHELVIEW RD, SUITE #301
PREPARED BY: CUMMING, GA 30040. USA
CENTILLION SOLUTIONS

PROJECT INFORMATION

SITE NAME:	LE1_07_FDH_13
SITE ADDRESS:	221 ANDALUCIA AVE S
COUNTY:	LEE
APPROVER:	

0' 15' 30'
SCALE: 1"=30'

SUBMITTAL INFORMATION

REV	DATE	DESCRIPTION	INIT
0	02/26/2026	PERMIT DRAWING	CENT
1	03/12/2026	PERMIT DRAWING	CENT
2	03/26/2026	PERMIT DRAWING	CENT
2	04/10/2026	PERMIT DRAWING	CENT

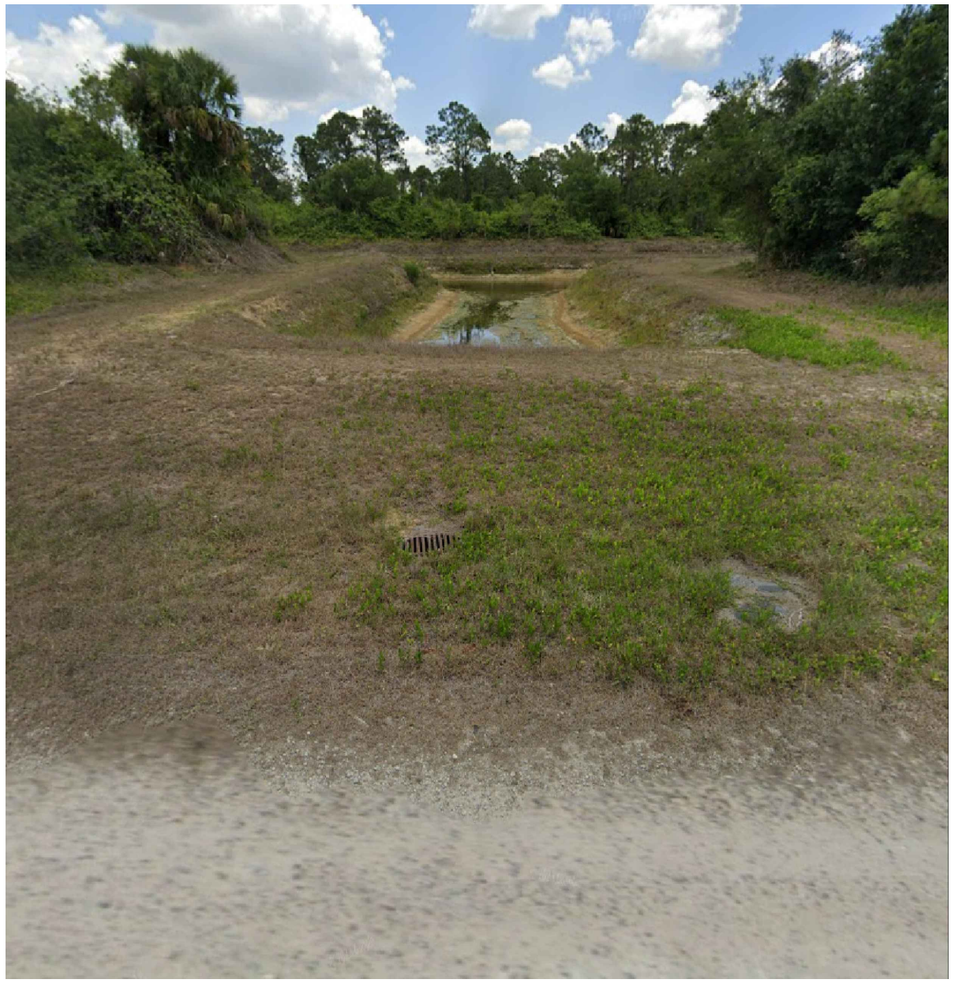
CONSTRUCTION NOTES:

BORE ALL BURIED ROUTES
. MIN DEPTH OF 36"
. ALL CABLE PLACED IN 1.25" HDPE 2' OFF ROW UNLESS SPECIFIED
. SIDEWALKS TO BE REPLACED JOINT TO JOINT
. PLACED AT BACK OF ROW

SHEET TITLE
CONSTRUCTION PLANS

SHEET NUMBER
SP-1A

DRAWING SHEET
5 OF 6



BORE CROSSING
HAWK CANAL
(57-2-3)

lumos™

INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

PREPARED BY:6030 BETHELVIEW RD,SUITE #301
CUMMING, GA 30040.USA

CENTILLION SOLUTIONS

PROJECT INFORMATION	
SITE NAME:	LE1_07_FDH_13
SITE ADDRESS:	221 ANDALUCIA AVE S
COUNTY:	LEE
APPROVER:	

SUBMITTAL INFORMATION			
REV	DATE	DESCRIPTION	INIT
0	02/26/2026	PERMIT DRAWING	CENT
1	03/12/2026	PERMIT DRAWING	CENT
2	03/26/2026	PERMIT DRAWING	CENT
3	04/10/2026	PERMIT DRAWING	CENT

CONSTRUCTION NOTES:

N

SHEET TITLE
IMAGE

SHEET NUMBER
SP-1B

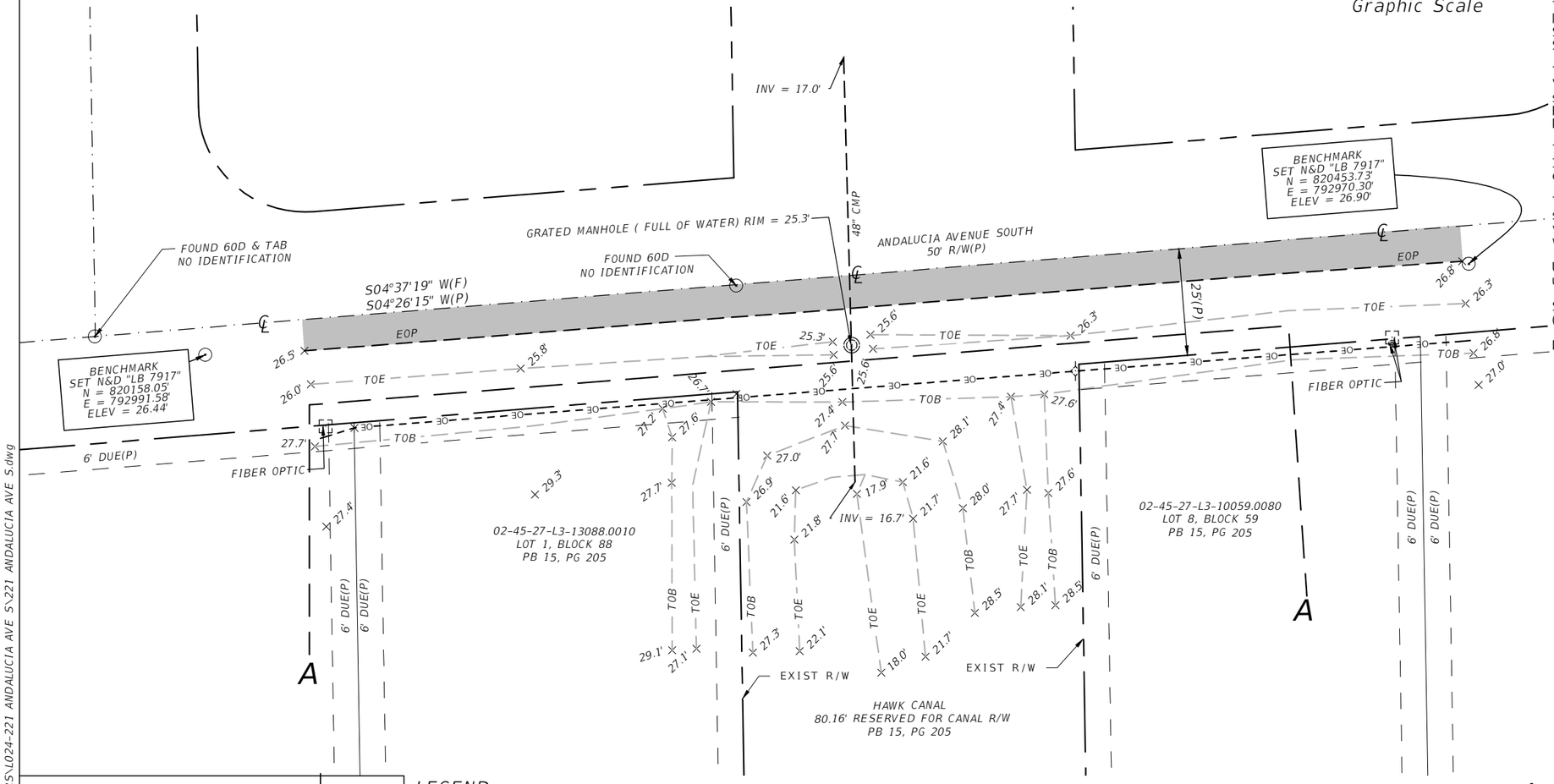
DRAWING SHEET
6 OF 6

Topographic Survey of a Subject Project Site

lying within

Section 02, Township 45 South, Range 27 East

Lehigh Acres, Lee County, Florida



NOTES:

Survey based on the plat of Unit 13 as recorded in Plat Book 15 Page 205 and Unit 10 as recorded in PLAT Book 15 Page 300, 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 Andalucia Avenue South between Belmont Street East and Binkley 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: 12/09/2025

TAYLOR J. HENNINGE
License Number
7279
STATE OF FLORIDA
Professional Surveyor and Mapper

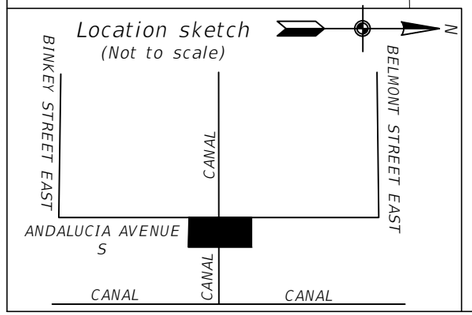
TAYLOR J. HENNINGE
PROFESSIONAL SURVEYOR AND MAPPER
FLORIDA CERTIFICATE NO. LS# 7279

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
(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
	= MANHOLE STORM WATER
	= SUBSURFACE UTILITY MARKER

Andalucia Avenue South, Lehigh Acres

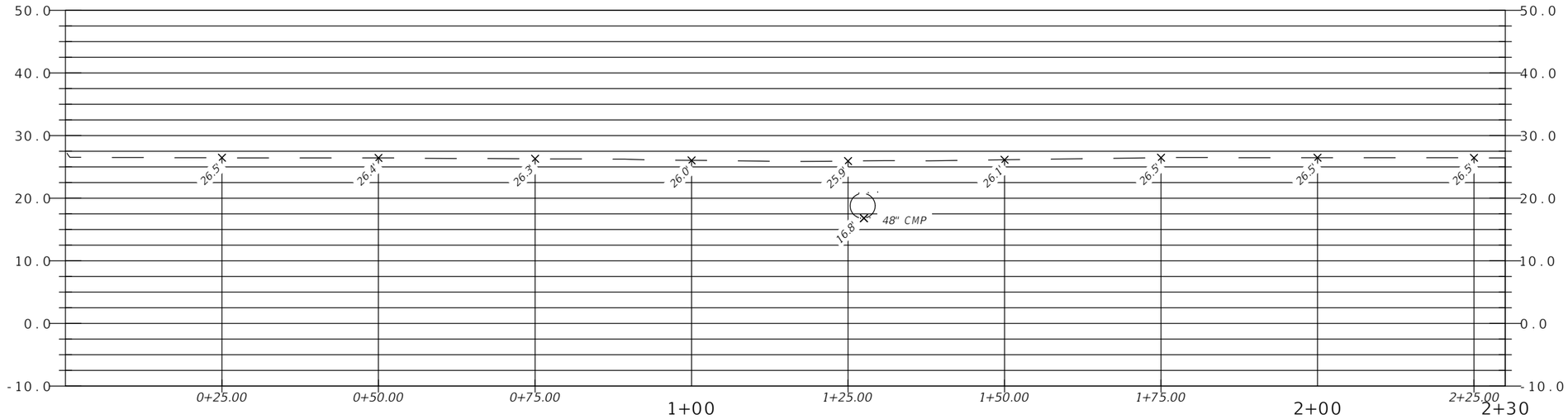
TOPOGRAPHIC SURVEY-PLAN VIEW

McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name: 221 ANDALUCIA AVE S.dwg	Field book/page: 106981-1/24	Project No.: 106980001-L024	
Survey date: 12/09/2025	Drawn by: KB	Checked by: TJH	Sheet No.: 01 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L024-221 ANDALUCIA AVE S\221 ANDALUCIA AVE S.dwg

Topographic Survey of a
Subject Project Site
Section 02, 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

Andalucia Avenue South, 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.:
221 ANDALUCIA AVE S.dwg	106981-1/24	106980001-L024

Survey date:	Drawn by:	Checked by:	Sheet No.:
12/09/2025	KB	TJH	02 OF 02

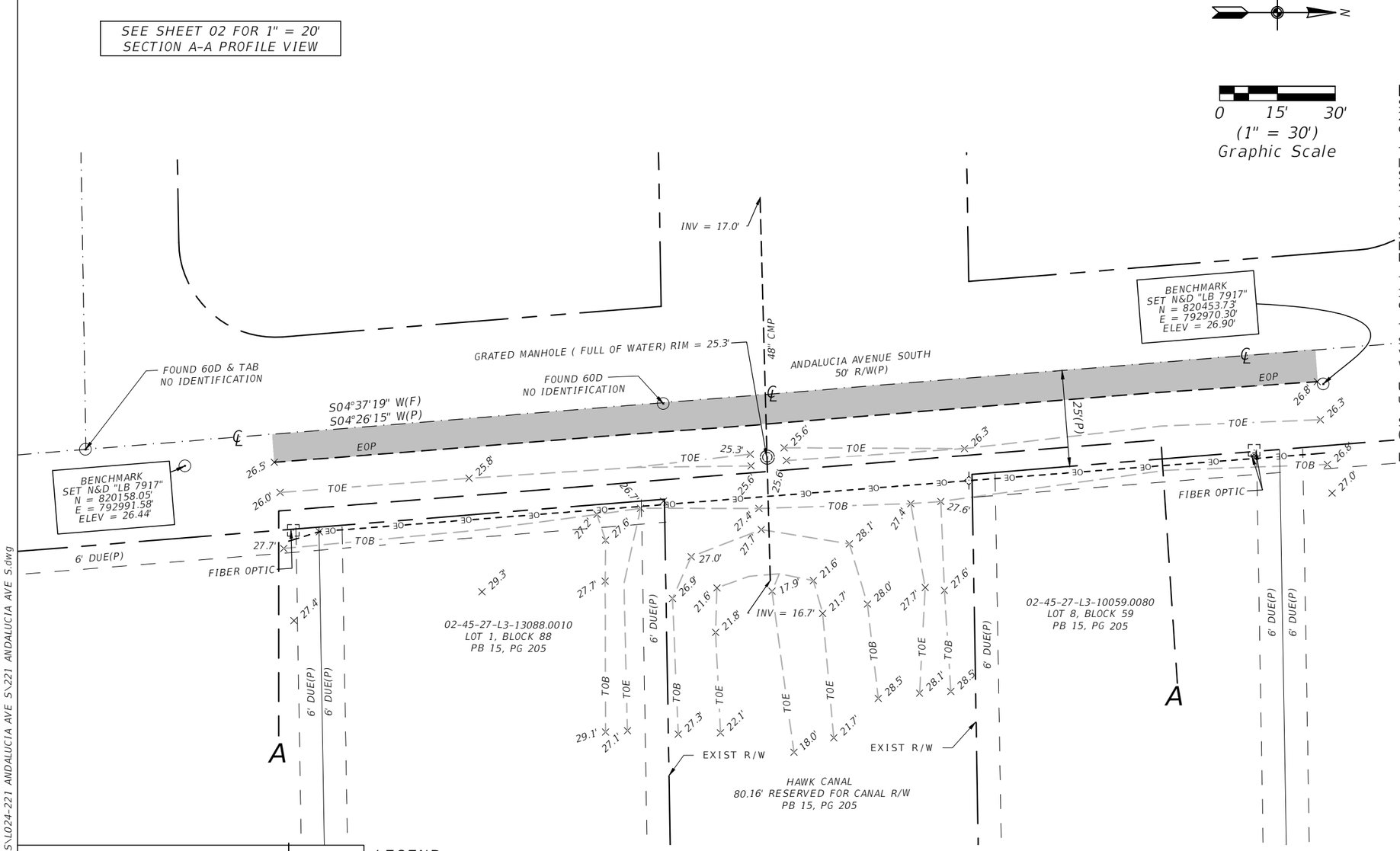
I:\10698\0001\Geomatics\90-WORK ORDERS\L024-221 ANDALUCIA AVE S\221 ANDALUCIA AVE S.dwg

Topographic Survey of a Subject Project Site

lying within

Section 02, Township 45 South, Range 27 East

Lehigh Acres, Lee County, Florida



NOTES:

Survey based on the plat of Unit 13 as recorded in Plat Book 15 Page 205 and Unit 10 as recorded in PLAT Book 15 Page 300, 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 Andalucia Avenue South between Belmont Street East and Binkley 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: 12/09/2025

TAYLOR J. HENNINGE
License Number
7279
STATE OF FLORIDA
Professional Surveyor and Mapper

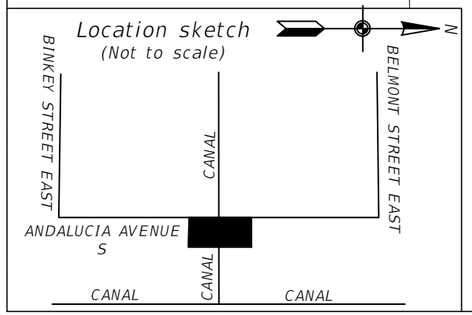
TAYLOR J. HENNINGE
PROFESSIONAL SURVEYOR AND MAPPER
FLORIDA CERTIFICATE NO. LS# 7279

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
(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
	= MANHOLE STORM WATER
	= SUBSURFACE UTILITY MARKER

Andalucia Avenue South, Lehigh Acres

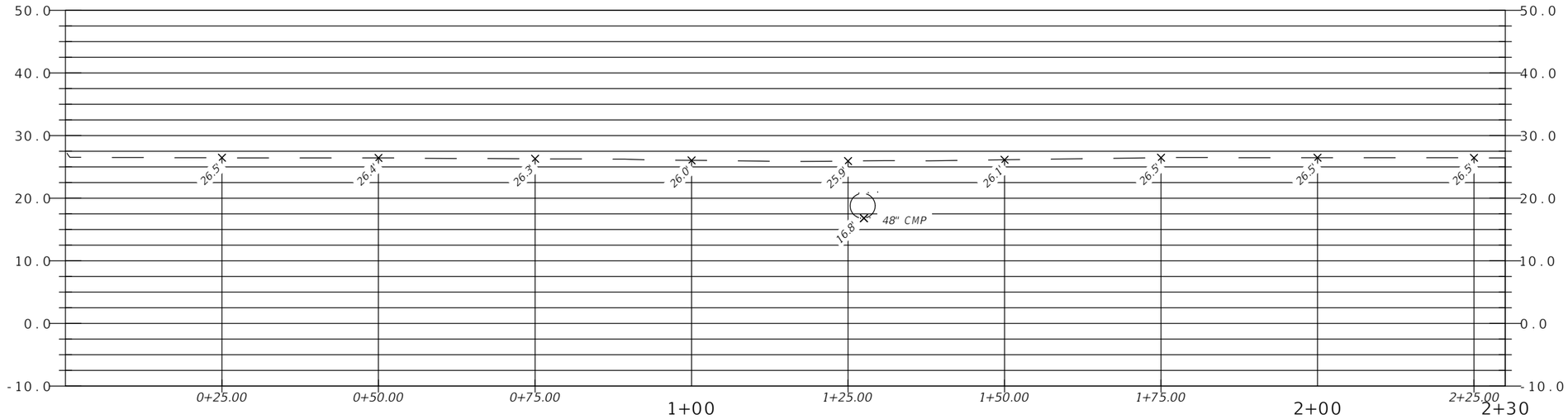
TOPOGRAPHIC SURVEY-PLAN VIEW

McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name: 221 ANDALUCIA AVE S.dwg	Field book/page: 106981-1/24	Project No.: 106980001-L024	
Survey date: 12/09/2025	Drawn by: KB	Checked by: TJH	Sheet No.: 01 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L024-221 ANDALUCIA AVE S\221 ANDALUCIA AVE S.dwg

Topographic Survey of a
Subject Project Site
Section 02, 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

Andalucia Avenue South, Lehigh Acres

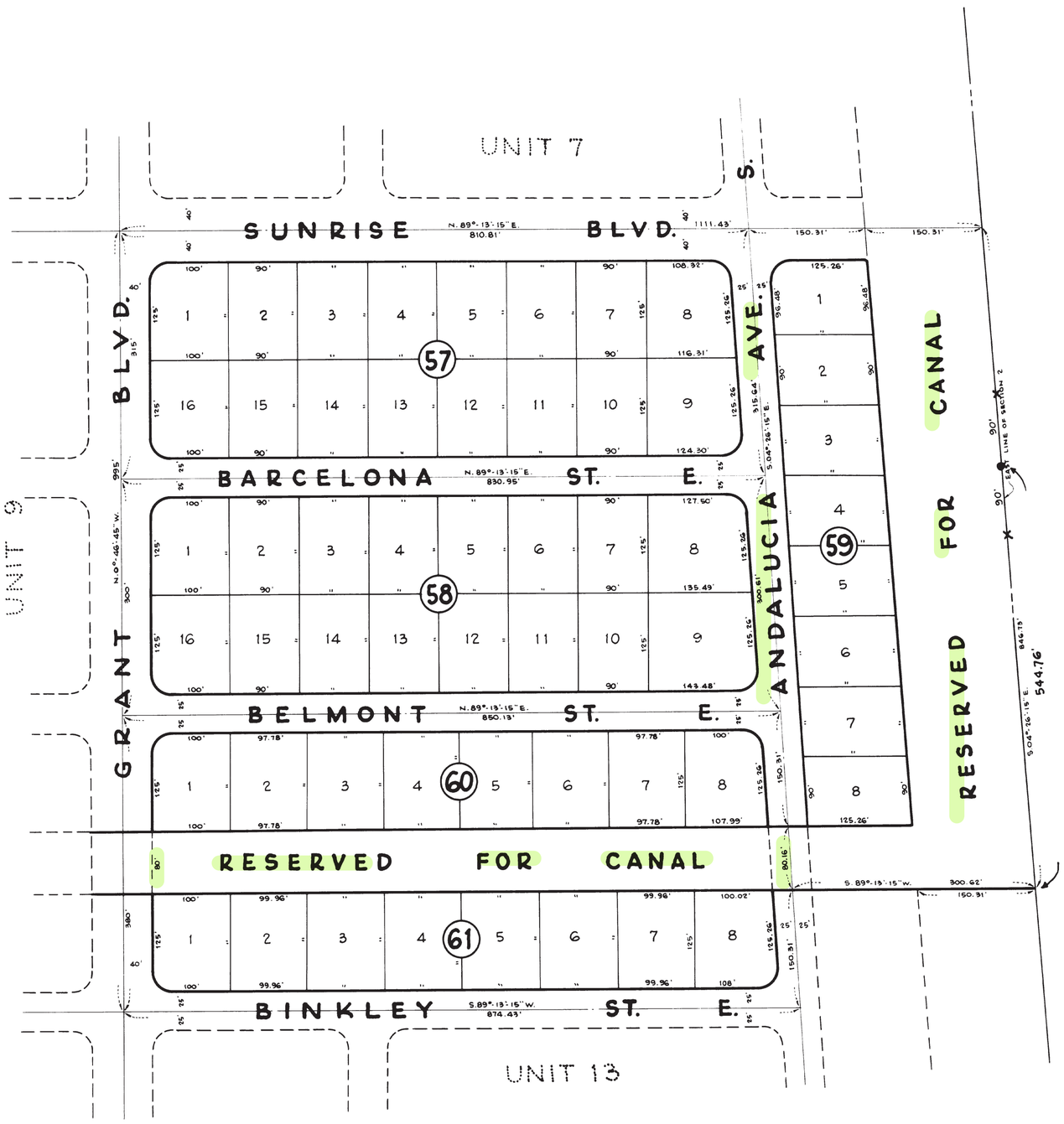
TOPOGRAPHIC SURVEY-PROFILE VIEW

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.:
221 ANDALUCIA AVE S.dwg	106981-1/24	106980001-L024

Survey date:	Drawn by:	Checked by:	Sheet No.:
12/09/2025	KB	TJH	02 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L024-221 ANDALUCIA AVE S\221 ANDALUCIA AVE S.dwg



PLAT OF UNIT 10
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.

All Canals are hereby dedicated to East County Water Control District.

x Witness Monument.

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 Wekelle
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 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. Pavere
County Attorney

[illegible]
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. 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.

[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 #26-24

Recommended Action

Engineering Review:

By: _____5/7/2026 **Approved _X_ Denied __**

District Field Review:

By: _____ Approved ___ Denied ___

District Manager: _____ Date: _____

Comments:

The referenced permit application for a boring under Hawk Canal (57-2-3) at Andalucia Ave, in Lehigh Acres, submitted by Lumos, 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 PERMIT

THIS PERMIT is granted this 18th day of May, 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 Towhee Canal (57-12-2), along the south side of Cummings St. E., between Lambda Ave. S. & Lampion 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. 26-25

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 #26-25 is approved according to the revised plans submitted April 30th, 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' width of 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 Cummings St. E.

PART I

DATE SUBMITTED: 04-10-26

PERMIT #: 26-25

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_07-1214 Cummings St -Towhee Canal #57-12-2

TOTAL ACREAGE: NA

Property Address (STRAP associated with this address will be used as the primary STRAP for this project): **1214 Cummings St**					
Mailing Address:	**NA**				
City:	**Lehigh Acres**	**State:**	**FL**	**Zip:**	**33974**

STRAP NUMBERS (attach additional sheet if necessary):

12		45		27		L3		18089		0010	

Brief description of proposed project:

Application for: Lumos proposes to install (1) 1.25" conduit(s) with an 80' UG bore utilizing a 2" bore head to cross the Towhee Canal (57-12- 2) at Cummings St within MSID easement boundaries. This application covers the permanent underground installation only.

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)**

RECEIVED
APR 30 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	**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:	**Milenium Directional Drilling, Inc**						
Mailing Address:	**Street:**	**5395 Cogswell Dr**					
City:	**Wayne**	**State:**	**MI**		**Zip:**	**48184**	
Phone No.	**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:**	**GA**		**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:	**NA**						
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 April (m), 2026 (y), by William Kiefer who is personally know to me or has produced N/A as identification.

OFFICIAL SEAL
KYLE LEWIS PARKEY
NOTARY PUBLIC - ARIZONA
MARICOPA COUNTY
COMM# 691029
My Comm. Expires December 15, 2029

Kyle Parkey
SIGNATURE OF NOTARY PUBLIC

Kyle Lewis Parkey

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	**The thumb drives only have AutoCAD files of the plans** **Need the survey sheets as well and PDF files of plans and surveys**
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.

GRIDIRON
P.O. BOX 1028
WAYNESBORO, VA 22980

FIFTH THIRD BANK
13-31/420

60002669

02/12/2026

PAY TO THE ORDER OF LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT $ **$1,950.00

one thousand nine hundred fifty and 00/100********** DOLLARS

VOID IF NOT CASHED IN 90 DAYS

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRI
601 East County Ln
Lehigh Acres FL 33936
United States

MEMO

MP

⑈60002669⑈ ⑆042000314⑆702910012 5⑈

GRIDIRON 60002669

02/12/2026 404662 LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

Type	Ref. No.	Date	Description	Orig. Amt.	Amt. Due	Credit	Payment
Bill	30			$1,950.00	$1,950.00		$1,950.00

GRIDIRON 60002669

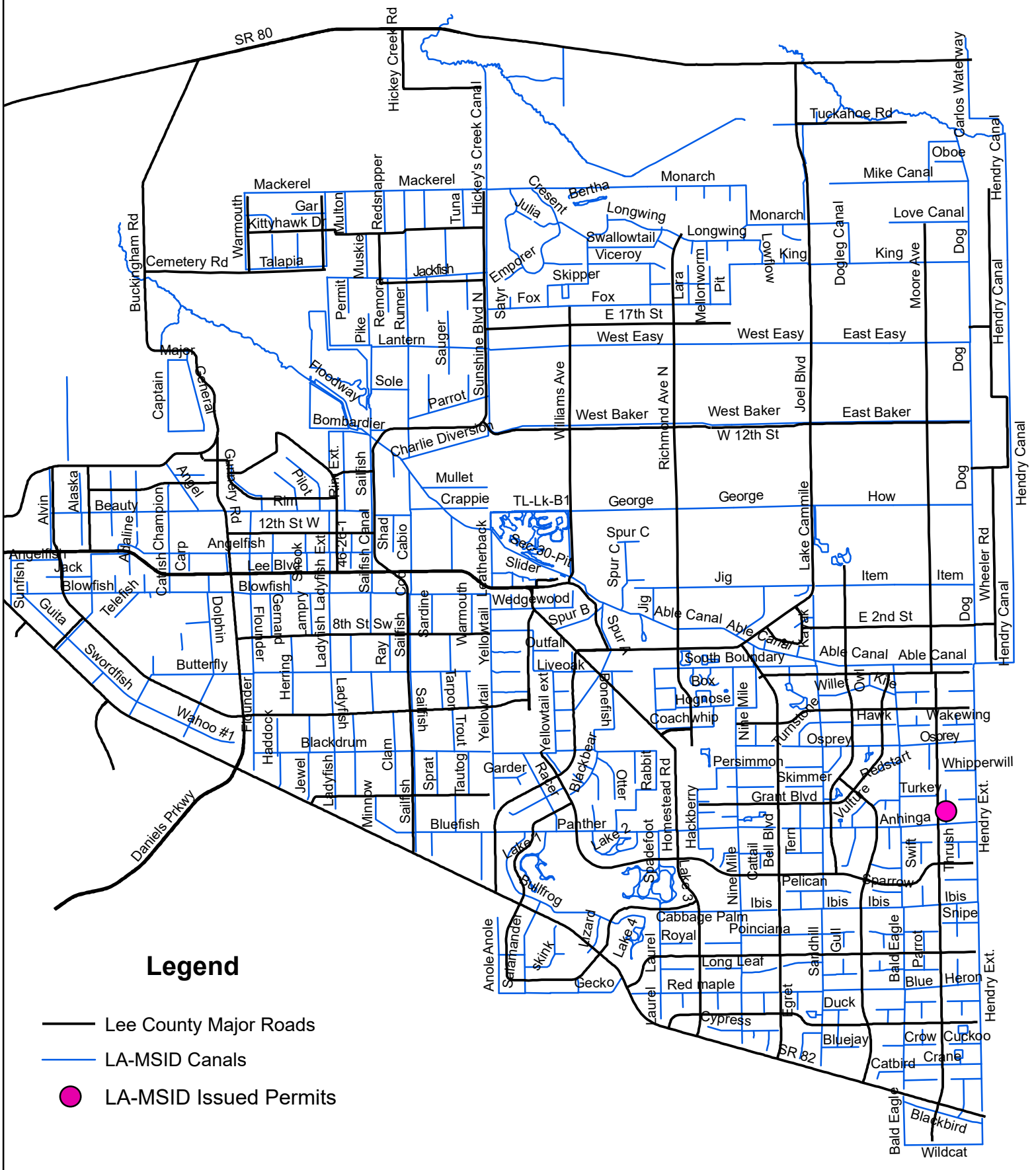
02/12/2026 404662 LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

Type	Ref. No.	Date	Description	Orig. Amt.	Amt. Due	Credit	Payment
Bill	30			$1,950.00	$1,950.00		$1,950.00

Permit #26-25

Scanned with CamScanner

Permit # 2026-25



Legend

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

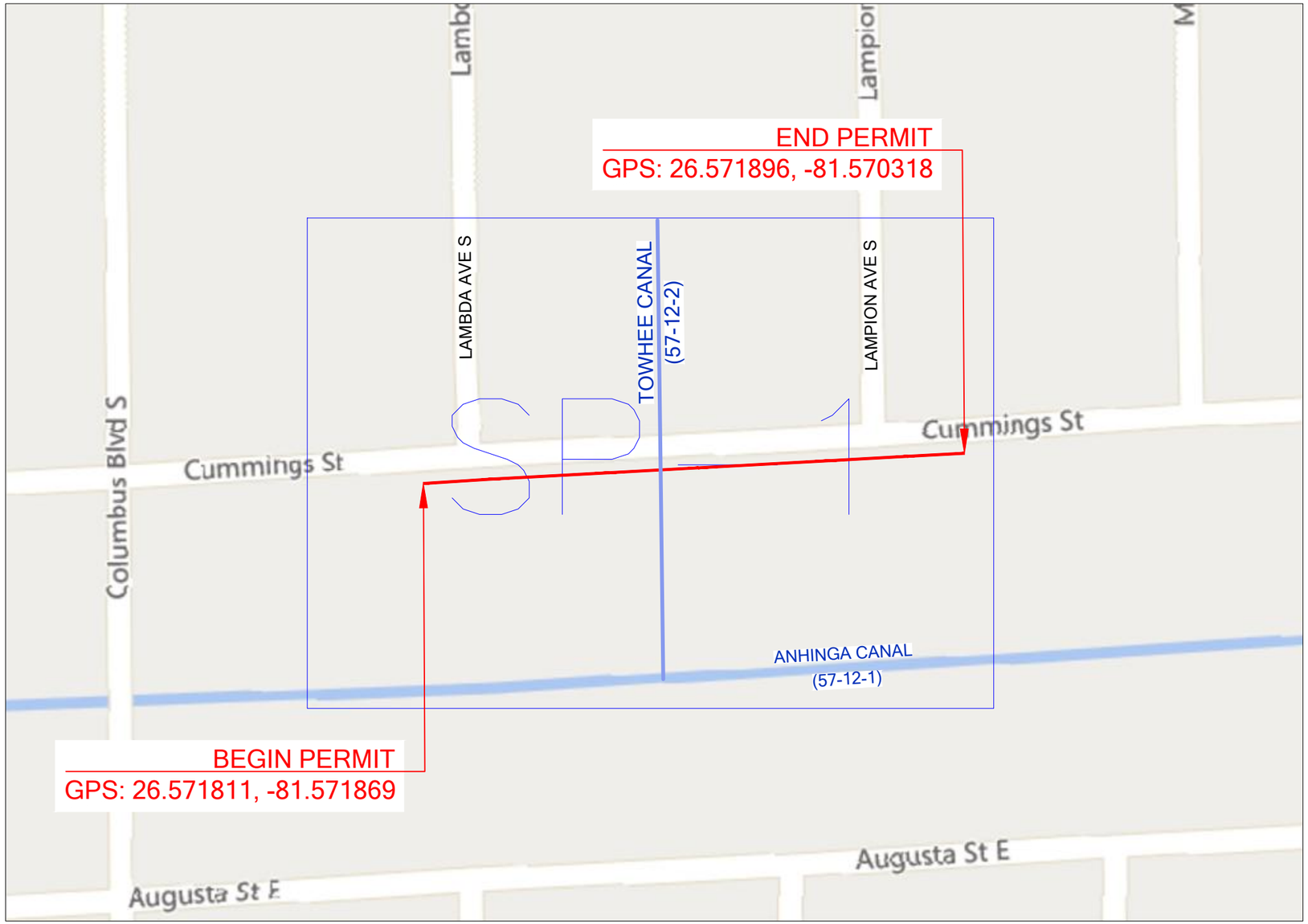
LUMOS NETWORKS
JOB NUMBER: R0LEEFL-07-07
ROUTE NAME: LE1_007_FDH_07

LUMOS PROPOSED FIBER OPTIC NETWORK PLACEMENT

CONSTRUCTION METHOD	FOOTAGE
UNDERGROUND	80′
AERIAL	0'

TOTAL PROPOSED FOOTAGE = 80′

INDEX TO SHEET	
SHEET	TITLE
CV-1	LOCATION MAP
GN-1	LEGEND
GN-2	GENERAL NOTES AND CONSTRUCTION NOTE
SP-1	CONSTRUCTION PLANS
SP-A	PROFILE VIEW
SP-B	IMAGES



INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

PREPARED BY:6030 BETHELVIEW RD,SUITE #301
CUMMING, GA 30040.USA

PROJECT INFORMATION	
SITE NAME:	LE1_007_FDH_07
SITE ADDRESS:	1214 CUMMINGS ST E
COUNTY:	LEE
APPROVER:	

SUBMITTAL INFORMATION			
REV	DATE	DESCRIPTION	INIT
0	02/04/2026	PERMIT DRAWING	CENT
1	02/25/2026	PERMIT DRAWING	CENT
2	03/12/2026	PERMIT DRAWING	CENT
3	03/26/2026	PERMIT DRAWING	CENT
4	04/10/2026	PERMIT DRAWING	CENT

CONSTRUCTION NOTES:

N

SHEET TITLE
LOCATION MAP

SHEET NUMBER
CV-1

DRAWING SHEET
1 OF 6

LUMOS:

NAME: JASON BUSH
CELL: (850)428 - 1313

UTILITIES:

FL811 (800-432-4770)

CENTILLION:

CRAIG BLACK - PROJECT MANAGER
(CELL)720-597-5320

PERMITS:

LEHIGH ACRES MSID - PERMIT NUMBER / DATE: TBD

LINETYPE LEGEND

EOP	= EX. EDGE OF PAVEMENT
C/L	= EX. CENTER LINE
R/W	= EX. RIGHT OF WAY
ESMT	= EX. EASEMENT
	= EX. PROPERTY LINE
	= EX. BUILDING EDGE
OHF OHF	= EX. OVERHEAD FIBER
BFO BFO	= EX. BURIED FIBER
EX_STRAND	= EX. STRAND
	= EX. FENCE
GR GR	= EX. GUARDRAIL
	= RAILROAD
DB	= DIRECTIONAL BORE
	= WATER BODY
	= CULVERT
OHF OHF	= PROP. OVERHEAD FIBER
BFO BFO	= PROP. BURIED FIBER
	= PROP. CONDUIT
Strand Strand	= PROP. STRAND
	= PROP. MULTIPORT TAIL
SD	= STORM DRAINAGE
SS	= SEWER LINE
W	= WATER LINE
T	= TELCO LINE
TV	= CABLE TV LINE
E	= ELECTRIC LINE
TRAFF	= TRAFFIC LINE
G	= GAS LINE
	= DITCH LINE

SYMBOL LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	PROPOSED ANCHOR & GUY		DUCT COUNT
	FOREIGN/EXISTING ANCHOR & GUY		FIRE HYDRANT
	MGNV		WATER VALVE / METER
	JOINT USE POLE	W	WATER MANHOLE
	POWER POLE	S	SEWER MANHOLE
	COMMUNICATION POLE	SD	STORM MANHOLE
S	STEEL POLE		STORM INLET / CATCH BASIN
	CATV POLE	G	GAS VALVE / METER
	PROPOSED POLE	P	ELECTRIC MANHOLE
R	RISER	P	ELECTRIC HANDHOLE
	PROPOSED STORAGE LOOP		STREET LIGHT
	FIBER SPLICE	ELEC BOX	BURIED TRANSFORMER
	MIDSHEATH SPLICE	TRAF	TRAFFIC HANDHOLE
	TO C.O.		TRAFFIC POLE / SIGNAL
SPLT	SPLITTER HANDHOLE (13"X24"X18")	T	TELCO MANHOLE
SM	SMALL HANDHOLE (17"X30"X24")	TL	TELCO HANDHOLE
MED	MEDIUM HANDHOLE (24"X36"X24")	T	TELCO PEDESTAL
LHH	LARGE HANDHOLE (30"X48"X24")	CV	CABLE TV HANDHOLE
HH	EXISTING HANDHOLE	CV	CABLE TV PEDESTAL
P	PROPOSED PEDESTAL	1X8	PROPOSED 1x8 SPLITTER
P	EXISTING PEDESTAL	1X4	PROPOSED 1x4 SPLITTER
	PROPOSED FP		SIGN
3	TREE		BORE PIT

lumos™
INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

PREPARED BY:6030 BETHELVIEW RD,SUITE #301
CUMMING, GA 30040.USA
CENTILLION SOLUTIONS

PROJECT INFORMATION	
SITE NAME:	LE1_007_FDH_07
SITE ADDRESS:	1214 CUMMINGS ST E
COUNTY:	LEE
APPROVER:	

SUBMITTAL INFORMATION			
REV	DATE	DESCRIPTION	INIT
0	02/04/2026	PERMIT DRAWING	CENT
1	02/25/2026	PERMIT DRAWING	CENT
2	03/12/2026	PERMIT DRAWING	CENT
3	03/26/2026	PERMIT DRAWING	CENT
4	04/10/2026	PERMIT DRAWING	CENT

CONSTRUCTION NOTES:

N

SHEET TITLE
LEGEND

SHEET NUMBER
GN-1

DRAWING SHEET
2 OF 6

AERIAL & U/G NOTES

ALL PROPOSED CONSTRUCTION WILL BE PER FDOT SPECIFICATIONS AS WELL AS ALL NESC SAFETY CODES.

ALL PROPOSED CATV WILL BE WITHIN THE FDOT RIGHT-OF-WAY.

ALL AERIAL CANAL RIGHT-OF-WAY CROSSINGS MUST BE A MINIMUM 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 BURIED A MINIMUM OF 40" 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 PARALLEL 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 FDOT RIGHT-OF-WAY.

ALL WORK PERFORMED WITHIN THE FDOT RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH FDOT 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.

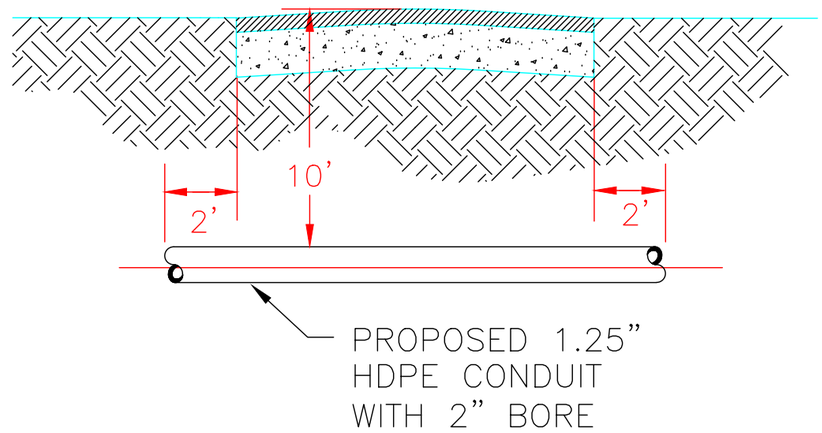
IT WILL BE THE RESPONSIBILITY OF THE PERMITTEE TO REPAIR ANY DAMAGE TO FDOT FACILITIES CAUSED BY THE CONSTRUCTION OF THE PROJECT.

ALL CONCRETE SHALL BE 3,000 PSI. APPROVED FDOT MIX DESIGN.

UTILITIES CONTACT

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT
MICHAEL COOK
(239) 366-0044 Ext. 16
MCOOK@LA-MSID.COM
STORM WATER/CANALS

LUMOS
JASON BUSH
CONSTRUCTION MANAGER
(JASON.BUSH@LUMOSFIBER.COM)
941-812-2913



TYPICAL DRIVEWAY DIRECTIONAL BORE

N.T.S.

MOT NOTES

TRAFFIC CONTROL SHALL COMPLY WITH FEDERAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND F.D.O.T. DESIGN STANDARD #NO. 600.

lumos™
INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

PREPARED BY:6030 BETHELVIEW RD,SUITE #301
CUMMING, GA 30040.USA
CENTILLION SOLUTIONS

PROJECT INFORMATION	
SITE NAME:	LE1_007_FDH_07
SITE ADDRESS:	1214 CUMMINGS ST E
COUNTY:	LEE
APPROVER:	

SUBMITTAL INFORMATION			
REV	DATE	DESCRIPTION	INIT
0	02/04/2026	PERMIT DRAWING	CENT
1	02/25/2026	PERMIT DRAWING	CENT
2	03/12/2026	PERMIT DRAWING	CENT
3	03/26/2026	PERMIT DRAWING	CENT
4	04/10/2026	PERMIT DRAWING	CENT

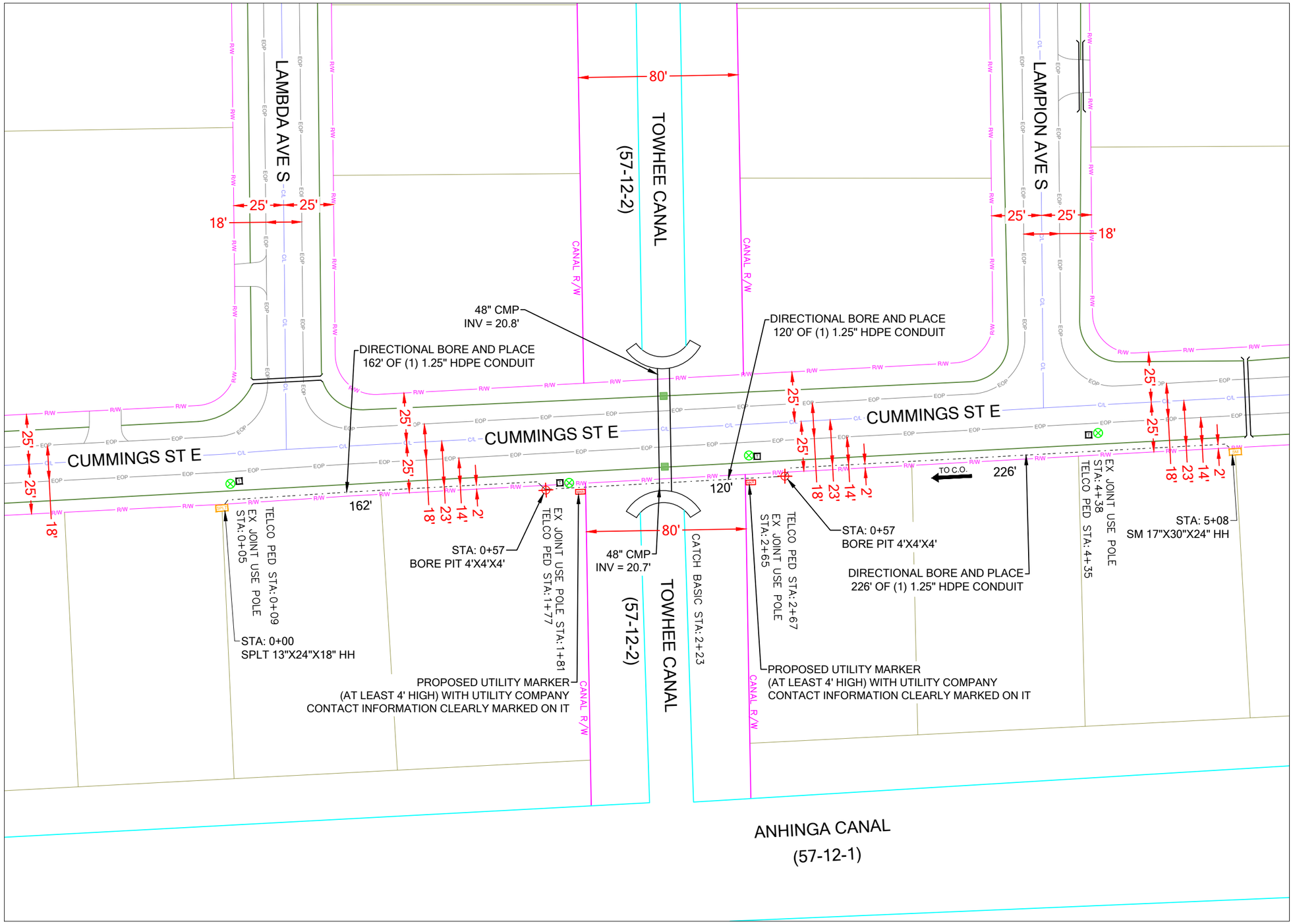
CONSTRUCTION NOTES:

N

SHEET TITLE
GENERAL NOTES

SHEET NUMBER
GN-2

DRAWING SHEET
3 OF 6



CONSTRUCTION NOTES

(1) 1.25" CONDUIT WITH 2" BORE.

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.

SHEET LAYOUT



NOTE: LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION.

NOTE: ALL EXISTING UTILITIES PLACED ON PRINTS FOR REFERENCE ONLY. (NOT TO SCALE)

Sunshine811

lumos™
INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

6030 BETHELVIEW RD, SUITE #301
PREPARED BY: CUMMING, GA 30040. USA
CENTILLION SOLUTIONS

PROJECT INFORMATION

SITE NAME:	LE1_007_FDH_07
SITE ADDRESS:	1214 CUMMINGS ST E
COUNTY:	LEE
APPROVER:	

0' 25' 50'
SCALE: 1"=50'

SUBMITTAL INFORMATION

REV	DATE	DESCRIPTION	INIT
0	02/04/2026	PERMIT DRAWING	CENT
1	02/25/2026	PERMIT DRAWING	CENT
2	03/12/2026	PERMIT DRAWING	CENT
3	03/26/2026	PERMIT DRAWING	CENT
3	04/10/2026	PERMIT DRAWING	CENT

CONSTRUCTION NOTES:

BORE ALL BURIED ROUTES
. MIN DEPTH OF 36"
. ALL CABLE PLACED IN 1.25" HDPE 2' OFF ROW UNLESS SPECIFIED
. SIDEWALKS TO BE REPLACED JOINT TO JOINT
. PLACED AT BACK OF ROW

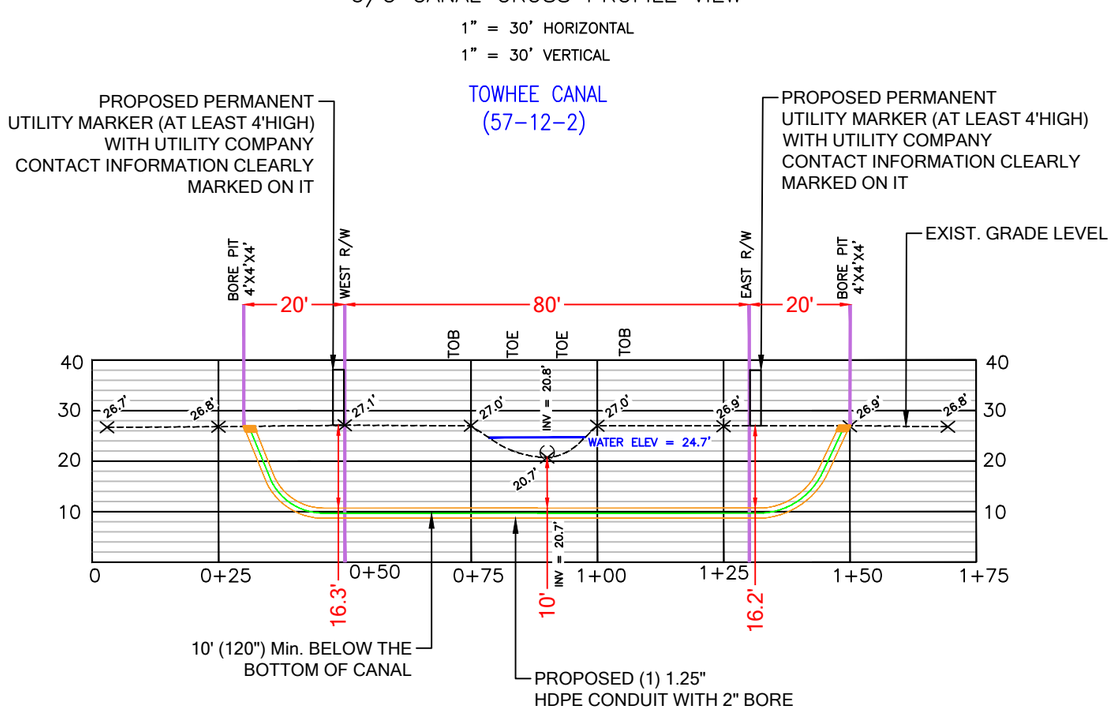
SHEET TITLE
CONSTRUCTION PLANS

SHEET NUMBER
SP-1

DRAWING SHEET
4 OF 6

U/G CANAL CROSS PROFILE VIEW

1" = 30' HORIZONTAL
1" = 30' VERTICAL



CONSTRUCTION NOTES

(1) 1.25" CONDUIT WITH 2" BORE.

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.

SHEET LAYOUT



NOTE: LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION.

NOTE: ALL EXISTING UTILITIES PLACED ON PRINTS FOR REFERENCE ONLY. (NOT TO SCALE)

Sunshine811

INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

PREPARED BY: 6030 BETHELVIEW RD, SUITE #301 CUMMING, GA 30040. USA
CENTILLION SOLUTIONS

PROJECT INFORMATION	
SITE NAME:	LE1_007_FDH_07
SITE ADDRESS:	1214 CUMMINGS ST E
COUNTY:	LEE
APPROVER:	

0' 15' 30'
SCALE: 1"=30'

SUBMITTAL INFORMATION			
REV	DATE	DESCRIPTION	INIT
0	02/04/2026	PERMIT DRAWING	CENT
1	02/25/2026	PERMIT DRAWING	CENT
2	03/12/2026	PERMIT DRAWING	CENT
3	03/26/2026	PERMIT DRAWING	CENT
3	04/10/2026	PERMIT DRAWING	CENT

CONSTRUCTION NOTES:

BORE ALL BURIED ROUTES
. MIN DEPTH OF 36"
. ALL CABLE PLACED IN 1.25" HDPE 2' OFF ROW UNLESS SPECIFIED
. SIDEWALKS TO BE REPLACED JOINT TO JOINT
. PLACED AT BACK OF ROW

SHEET TITLE
CONSTRUCTION PLANS

SHEET NUMBER
SP-1A

DRAWING SHEET
5 OF 6



BORE CROSSING
TOWHEE CANAL
(57-12-2)

lumos™

INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

PREPARED BY:6030 BETHELVIEW RD,SUITE #301
CUMMING, GA 30040.USA

CENTILLION SOLUTIONS

PROJECT INFORMATION	
SITE NAME:	LE1_007_FDH_07
SITE ADDRESS:	1214 CUMMINGS ST E
COUNTY:	LEE
APPROVER:	

SUBMITTAL INFORMATION			
REV	DATE	DESCRIPTION	INIT
0	02/04/2026	PERMIT DRAWING	CENT
1	02/25/2026	PERMIT DRAWING	CENT
2	03/12/2026	PERMIT DRAWING	CENT
3	03/26/2026	PERMIT DRAWING	CENT
4	04/10/2026	PERMIT DRAWING	CENT

CONSTRUCTION NOTES:

N

SHEET TITLE: IMAGE

SHEET NUMBER: SP-1B

DRAWING SHEET: 6 OF 6

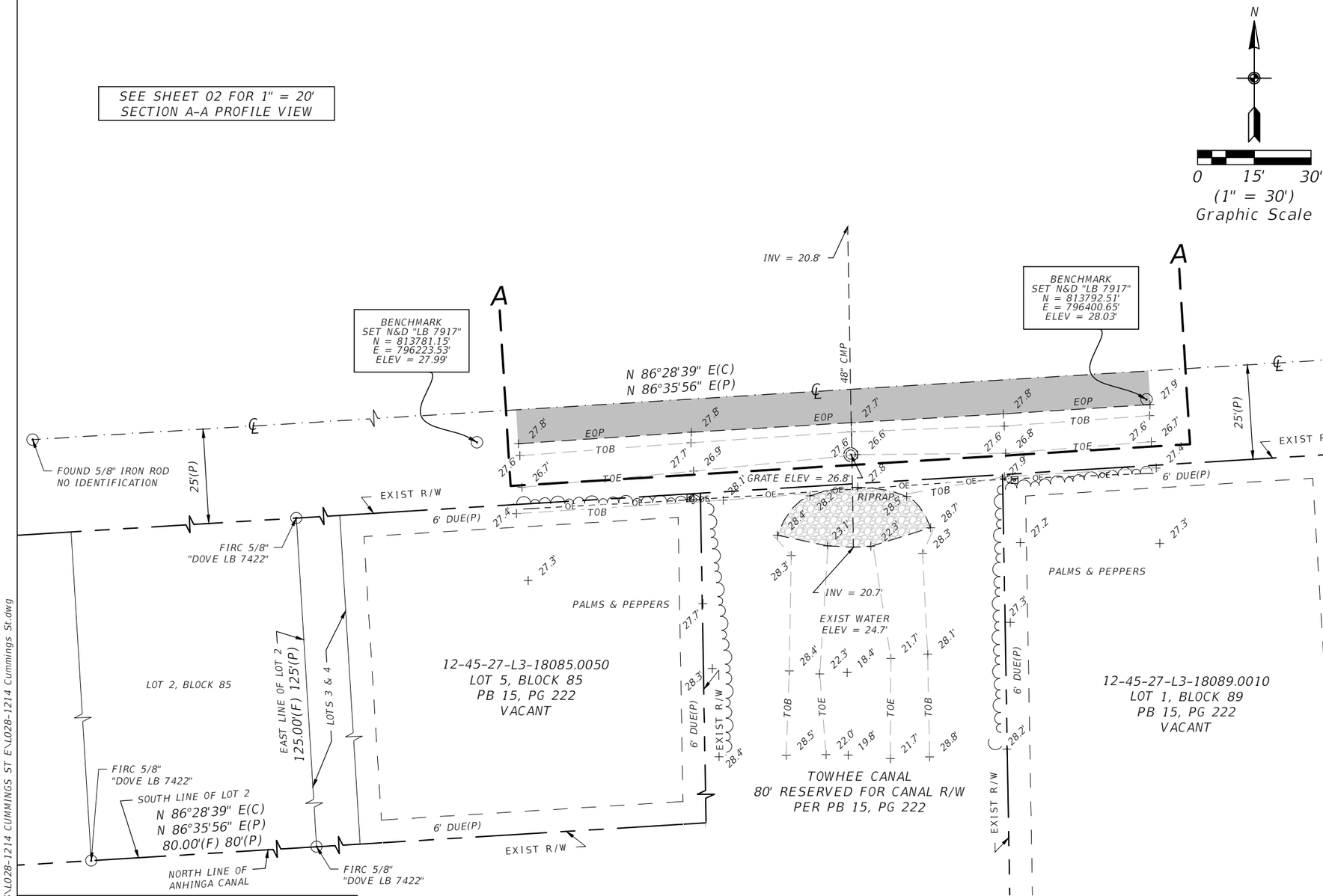
Topographic Survey of a Subject Project Site

lying within

Section 12, Township 45 South, Range 27 East

Lehigh Acres, Lee County, Florida

SEE SHEET 02 FOR 1" = 20'
SECTION A-A PROFILE VIEW



NOTES:

Survey based on the plat of Plat of Section 12, a Subdivision of Lehigh Acres as recorded in Plat Book 15 Page 222, 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 Cummings Street East between Lambda Avenue South and Lampion Avenue South.

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: 12/10/2025

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

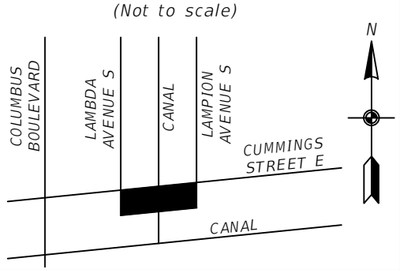
Not valid without the signature and the original seal of a Florida licensed surveyor and mapper.

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.

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

= MONUMENT
OE = OVERHEAD UTILITY LINE
+20.0' = SPOT ELEVATION
= TELEPHONE PEDESTAL
= SINGLE SUPPORT SIGN
= GUY ANCHOR
= UTILITY POLE
= MANHOLE DRAINAGE

Cummings Street E, Lehigh Acres

TOPOGRAPHIC SURVEY-PLAN VIEW

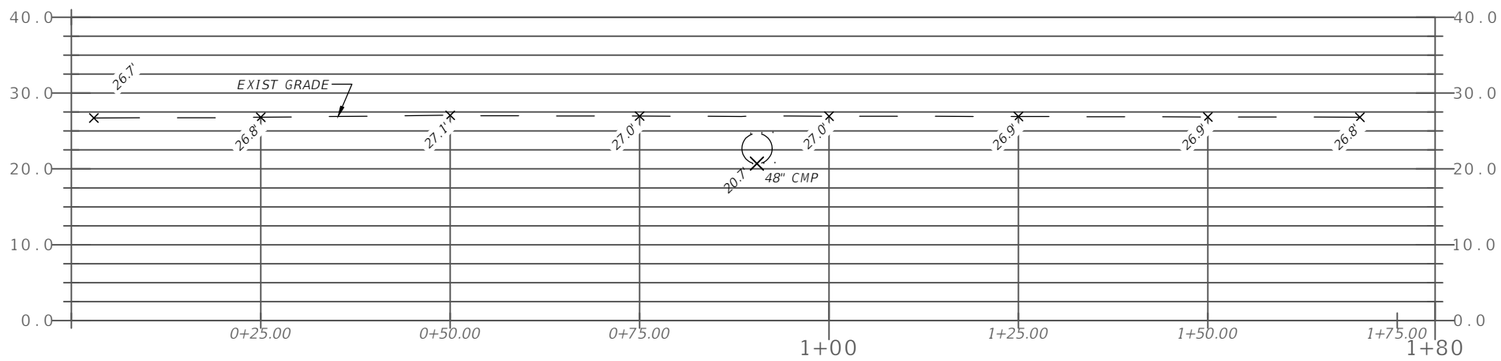
McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name:	Field book/page:	Project No.:
L028-1214 Cummings St.dwg	106981-3/16	106980001-L028

Survey date:	Drawn by:	Checked by:	Sheet No.:
12/10/2025	BWL	TJH	01 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L028-1214 CUMMINGS ST E\L028-1214 Cummings St.dwg

Topographic Survey of a
Subject Project Site
Section 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

Cummings Street E, 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.:
L028-1214 Cummings St.dwg	106981-3/16	106980001-L028

Survey date:	Drawn by:	Checked by:	Sheet No.:
12/10/2025	BWL	TJH	02 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L028-1214 CUMMINGS ST E\L028-1214 Cummings St.dwg

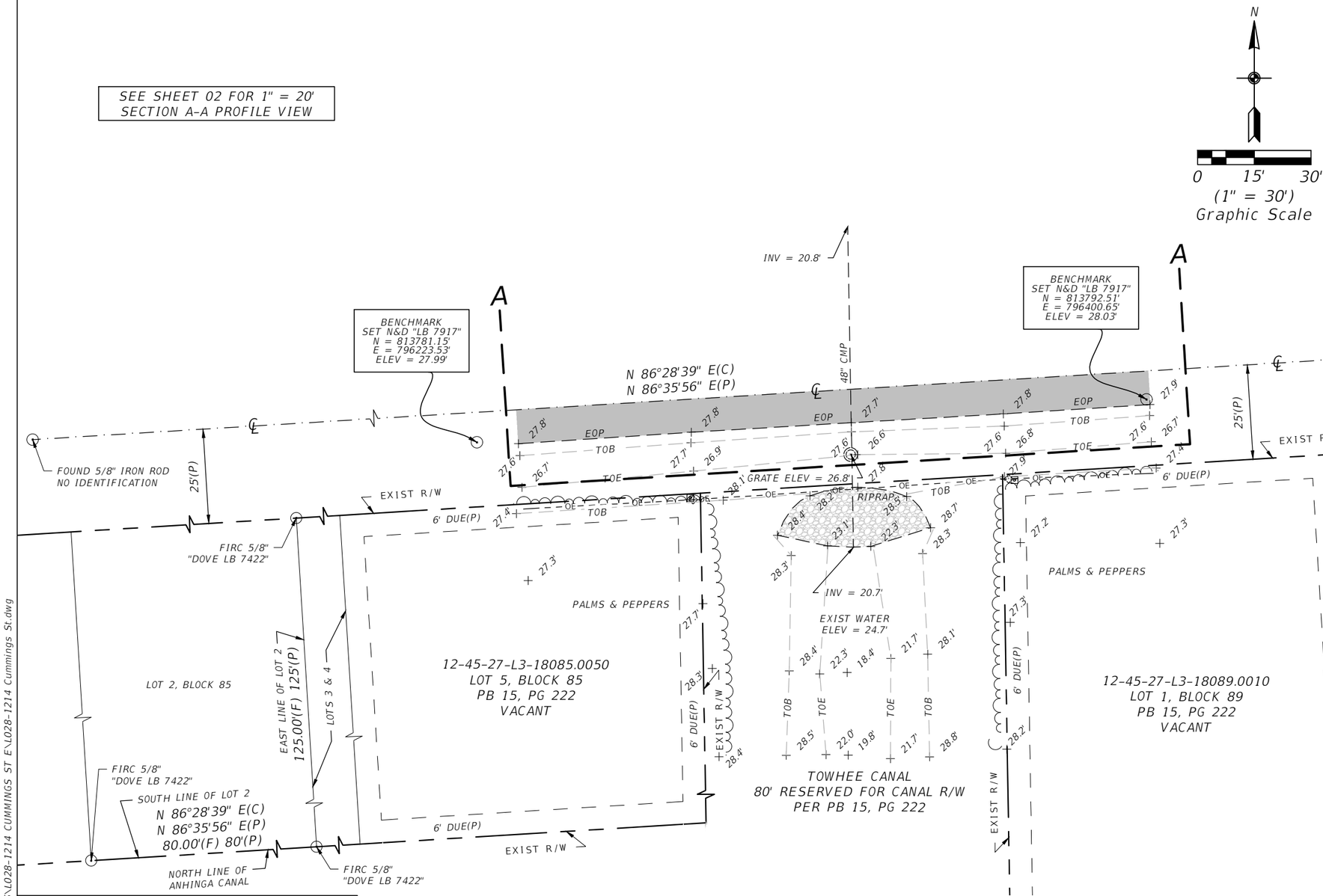
Topographic Survey of a Subject Project Site

lying within

Section 12, Township 45 South, Range 27 East

Lehigh Acres, Lee County, Florida

SEE SHEET 02 FOR 1" = 20'
SECTION A-A PROFILE VIEW



NOTES:

Survey based on the plat of Plat of Section 12, a Subdivision of Lehigh Acres as recorded in Plat Book 15 Page 222, 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 Cummings Street East between Lambda Avenue South and Lampion Avenue South.

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: 12/10/2025

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

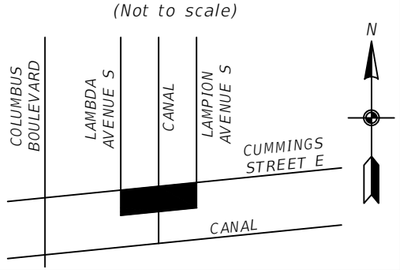
Not valid without the signature and the original seal of a Florida licensed surveyor and mapper.

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.

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

= MONUMENT
OE = OVERHEAD UTILITY LINE
+20.0' = SPOT ELEVATION
= TELEPHONE PEDESTAL
= SINGLE SUPPORT SIGN
= GUY ANCHOR
= UTILITY POLE
= MANHOLE DRAINAGE

Cummings Street E, Lehigh Acres

TOPOGRAPHIC SURVEY-PLAN VIEW

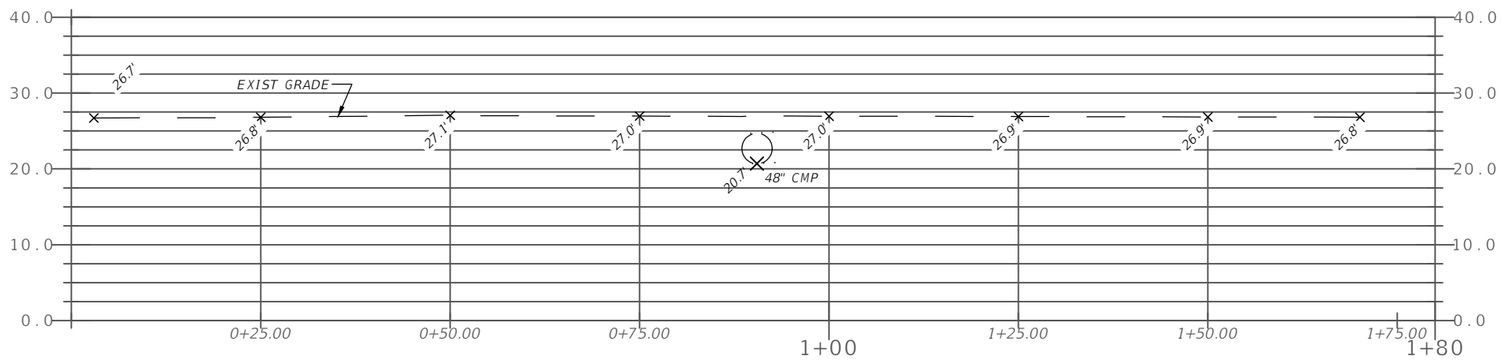
McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name:	Field book/page:	Project No.:
L028-1214 Cummings St.dwg	106981-3/16	106980001-L028

Survey date:	Drawn by:	Checked by:	Sheet No.:
12/10/2025	BWL	TJH	01 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L028-1214 CUMMINGS ST E\L028-1214 Cummings St.dwg

Topographic Survey of a
Subject Project Site
Section 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

Cummings Street E, 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.:
L028-1214 Cummings St.dwg	106981-3/16	106980001-L028

Survey date:	Drawn by:	Checked by:	Sheet No.:
12/10/2025	BWL	TJH	02 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L028-1214 CUMMINGS ST E\L028-1214 Cummings St.dwg



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

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

PLAT OF UNIT 18
SECTION 12 TWP. 45 S., RGE. 27 E.
A SUBDIVISION OF

LEHIGH ACRES

LEE COUNTY, FLORIDA

100 50 0 100 200

SCALE IN FEET

PLAT BOOK 15 PAGE 222

PLAT OF SECTION 12

A SUBDIVISION OF

LEHIGH ACRES

LEE COUNTY, FLORIDA

LEE COUNTY LAND AND TITLE COMPANY

DEVELOPERS

DESCRIPTION

ALL OF SECTION 12, 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 12, 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 4TH DAY OF June 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 5TH DAY OF June A.D. 1963

Jean Weddle
NOTARY PUBLIC STATE OF FLORIDA AT LARGE
My Commission Expires

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 June A.D. 1963 IN OPEN MEETING OF THE BOARD OF COUNTY COMMISSIONERS OF LEE COUNTY, FLORIDA.

APPROVED Herman J. Hastings
Chairman

D. J. Starkey
Clerk

Frank K. Reeves
County Attorney

County Engineer

I HEREBY CERTIFY THAT THIS PLAT OF SECTION 12, 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 6TH DAY OF June A.D. 1963, AND DULY RECORDED IN PLAT BOOK 15 ON PAGE 222-241 OF PUBLIC RECORDS OF LEE COUNTY, FLORIDA.

D. J. Starkey
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.

F. V. Zemmer
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 #26-25

Recommended Action

Engineering Review:

By: _____5/7/2026 **Approved _X_ Denied __**

District Field Review:

By: _____ Approved ___ Denied ___

District Manager: _____ Date: _____

Comments:

The referenced permit application for a boring under Towhee Canal (57-12-2) at Cummings St, in Lehigh Acres, submitted by Lumos, 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
PERMIT

THIS PERMIT is granted this 18th day of May, 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 Whipperwill Canal (57-12-5), along the east side of Naples Ave. S., between Cloplon St. E. & Cordoba 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. 26-26

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 #26-26 is approved according to the revised plans submitted April 30th, 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' width of 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 Naples Ave. S.

PART I

DATE SUBMITTED: 0 4 - 1 0 - 2 6

PERMIT #: _ _ 2 6 - 2 6 _ _ _

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_11-347 Naples Ave S- Whipperwill Canal #57-12-5

TOTAL ACREAGE: NA

Property Address (STRAP associated with this address will be used as the primary STRAP for this project): **347 Naples Ave S**					
Mailing Address:	**NA**				
City:	**Lehigh Acres**	**State:**	**FL**	**Zip:**	**33936**

STRAP NUMBERS (attach additional sheet if necessary):

1	2	-	4	5	-	2	7	-	L	2	-	0	8	0	3	9	-	0	0	1	0

Brief description of proposed project:

Application for: Lumos proposes to install (1) 1.25" conduit(s) with an 80' UG bore utilizing a 2" bore head to cross the Whipperwill Canal (57-12-5) at Naples Ave S within MSID easement boundaries. This application covers the permanent underground installation only.

RECEIVED
APR 30 2026
LEHIGH ACRES
MUNICIPAL SERVICES
IMPROVEMENT DISTRICT

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

Estimated # of Phases:	1	
***Permit Fee:**	$ 1,950.00	**(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 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:	**Milenium Directional Drilling, Inc**						
Mailing Address:	**Street:**	**5395 Cogswell Dr**					
City:	**Wayne**	**State:**	**MI**			**Zip:**	**48184**
Phone No.	**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:**	**GA**			**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:	**NA**						
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 April (m), 2026 (y), by William Kiefer who is personally know to me or has produced N/A as identification.

OFFICIAL SEAL
KYLE LEWIS PARKEY
NOTARY PUBLIC - ARIZONA
MARICOPA COUNTY
COMM# 601029
My Comm. Expires December 15, 2029

Kyle Parkey
SIGNATURE OF NOTARY PUBLIC

Kyle Lewis Parkey

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	**The thumb drives only have AutoCAD files of the plans** **Need the survey sheets as well and PDF files of plans and surveys**
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.

GRIDIRON
P.O. BOX 1028
WAYNESBORO, VA 22980

FIFTH THIRD BANK
13-31/420

60002675

02/12/2026

PAY TO THE ORDER OF LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT $ **$1,950.00

one thousand nine hundred fifty and 00/100********** DOLLARS

VOID IF NOT CASHED IN 90 DAYS

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRI
601 East County Ln
Lehigh Acres FL 33936
United States

MP

MEMO

⑈60002675⑈ ⑆042000314⑆ 7029100125⑈

GRIDIRON

60002675

02/12/2026 404662 LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

Type	Ref. No.	Date	Description	Orig. Amt.	Amt. Due	Credit	Payment
Bill	28			$1,950.00	$1,950.00		$1,950.00

GRIDIRON

60002675

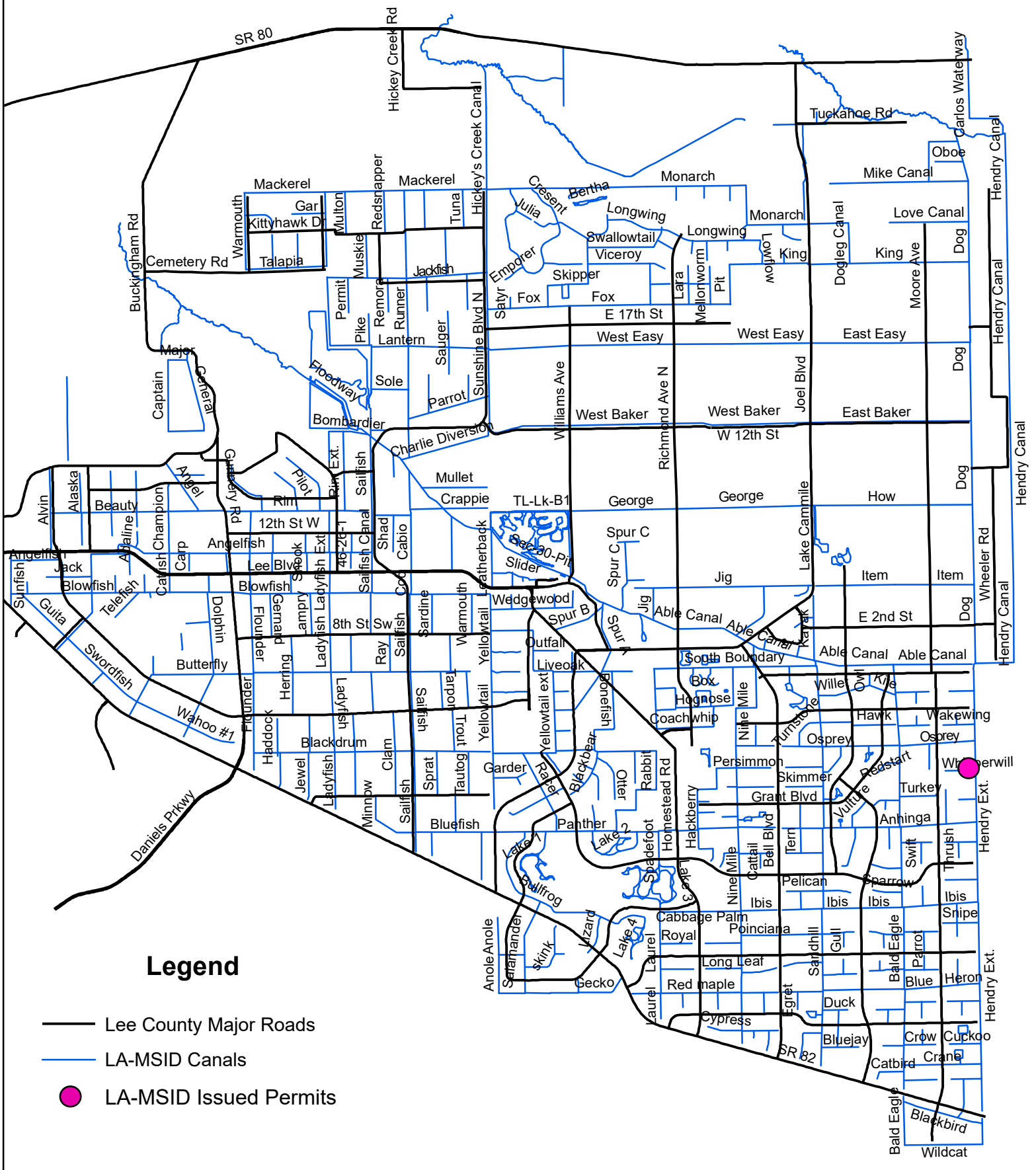
02/12/2026 404662 LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

Type	Ref. No.	Date	Description	Orig. Amt.	Amt. Due	Credit	Payment
Bill	28			$1,950.00	$1,950.00		$1,950.00

Permit # 26-26

Scanned with CamScanner

Permit # 2026-26



Legend

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

LUMOS NETWORKS
JOB NUMBER: R0LEEFL-07-11
ROUTE NAME: LE1_007_FDH_11

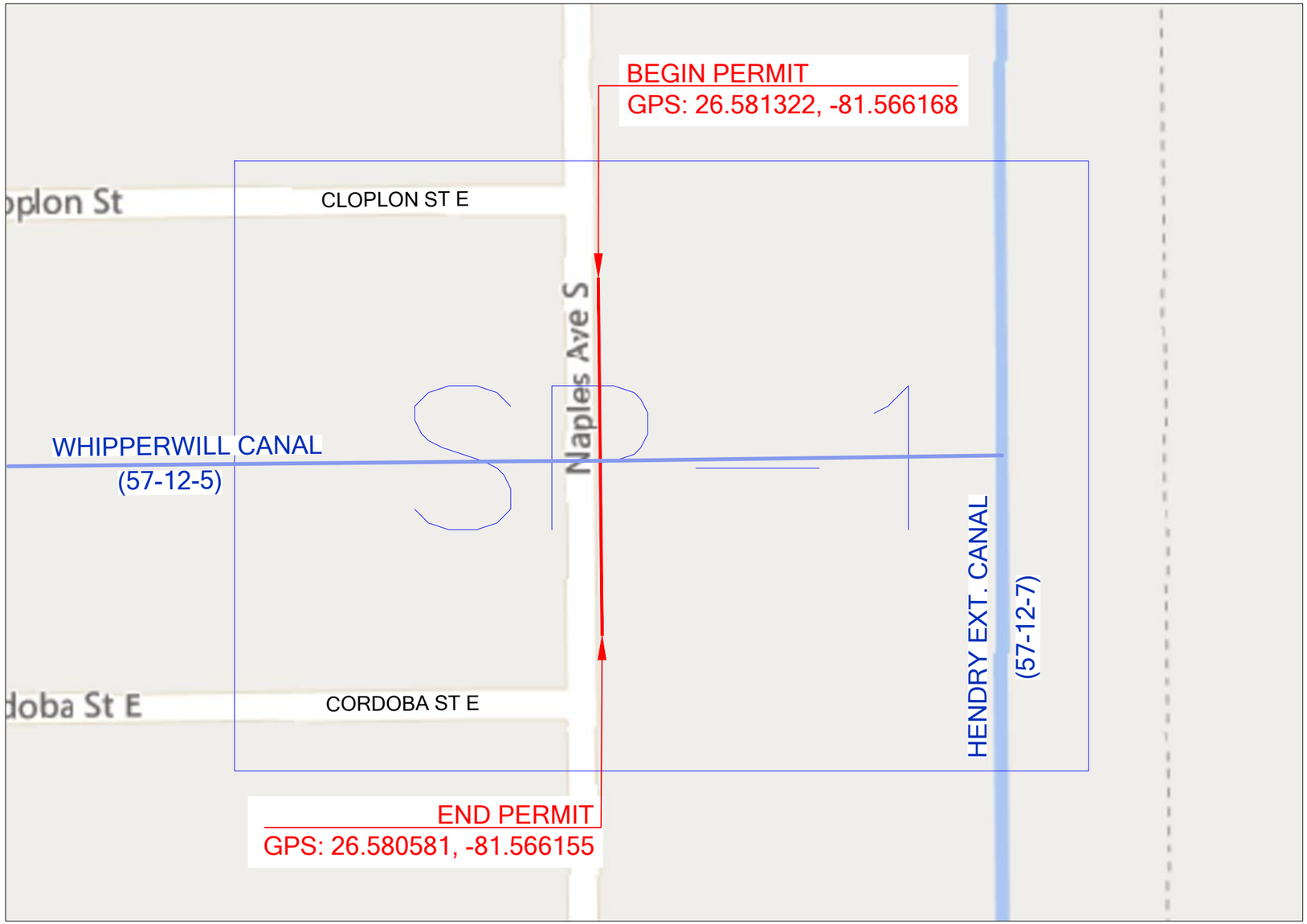
LUMOS PROPOSED FIBER OPTIC NETWORK PLACEMENT

CONSTRUCTION METHOD	FOOTAGE
UNDERGROUND	80′
AERIAL	0'

TOTAL PROPOSED FOOTAGE = 80′

INDEX TO SHEET

SHEET	TITLE
CV-1	LOCATION MAP
GN-1	LEGEND
GN-2	GENERAL NOTES AND CONSTRUCTION NOTE
SP-1	CONSTRUCTION PLANS
SP-A	PROFILE VIEW
SP-B	IMAGE



INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

PREPARED BY:6030 BETHELVIEW RD,SUITE #301
CUMMING, GA 30040.USA

PROJECT INFORMATION	
SITE NAME:	LE1_007_FDH_11
SITE ADDRESS:	347 NAPLES AVE S
COUNTY:	LEE
APPROVER:	

SUBMITTAL INFORMATION

REV	DATE	DESCRIPTION	INIT
0	02/26/2026	PERMIT DRAWING	CENT
1	03/12/2026	PERMIT DRAWING	CENT
2	03/26/2026	PERMIT DRAWING	CENT
3	04/10/2026	PERMIT DRAWING	CENT

CONSTRUCTION NOTES:

N

SHEET TITLE
LOCATION MAP

SHEET NUMBER
CV-1

DRAWING SHEET
1 OF 6

LUMOS:

NAME: JASON BUSH
CELL: (850)428 - 1313

UTILITIES:

FL811 (800-432-4770)

CENTILLION:

CRAIG BLACK - PROJECT MANAGER
(CELL)720-597-5320

PERMITS:

LEHIGH ACRES MSID - PERMIT NUMBER / DATE: TBD

LINETYPE LEGEND

EOP	= EX. EDGE OF PAVEMENT
C/L	= EX. CENTER LINE
R/W	= EX. RIGHT OF WAY
ESMT	= EX. EASEMENT
	= EX. PROPERTY LINE
	= EX. BUILDING EDGE
OHF OHF	= EX. OVERHEAD FIBER
BFO BFO	= EX. BURIED FIBER
EX_STRAND	= EX. STRAND
	= EX. FENCE
GR GR	= EX. GUARDRAIL
	= RAILROAD
DB	= DIRECTIONAL BORE
	= WATER BODY
	= CULVERT
OHF OHF	= PROP. OVERHEAD FIBER
BFO BFO	= PROP. BURIED FIBER
	= PROP. CONDUIT
Strand Strand	= PROP. STRAND
	= PROP. MULTIPORT TAIL
SD	= STORM DRAINAGE
SS	= SEWER LINE
W	= WATER LINE
T	= TELCO LINE
TV	= CABLE TV LINE
E	= ELECTRIC LINE
TRAFF	= TRAFFIC LINE
G	= GAS LINE
	= DITCH LINE

SYMBOL LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	PROPOSED ANCHOR & GUY		DUCT COUNT
	FOREIGN/EXISTING ANCHOR & GUY		FIRE HYDRANT
	MGNV		WATER VALVE / METER
	JOINT USE POLE	W	WATER MANHOLE
	POWER POLE	S	SEWER MANHOLE
	COMMUNICATION POLE	SD	STORM MANHOLE
S	STEEL POLE		STORM INLET / CATCH BASIN
	CATV POLE	G	GAS VALVE / METER
	PROPOSED POLE	P	ELECTRIC MANHOLE
R	RISER	P	ELECTRIC HANDHOLE
	PROPOSED STORAGE LOOP		STREET LIGHT
	FIBER SPLICE	ELEC BOX	BURIED TRANSFORMER
	MIDSHEATH SPLICE	TRAF	TRAFFIC HANDHOLE
	TO C.O.		TRAFFIC POLE / SIGNAL
SPLT	SPLITTER HANDHOLE (13"X24"X18")	T	TELCO MANHOLE
SM	SMALL HANDHOLE (17"X30"X24")	TL	TELCO HANDHOLE
MED	MEDIUM HANDHOLE (24"X36"X24")	T	TELCO PEDESTAL
LHH	LARGE HANDHOLE (30"X48"X24")	CV	CABLE TV HANDHOLE
HH	EXISTING HANDHOLE	CV	CABLE TV PEDESTAL
P	PROPOSED PEDESTAL	1X8	PROPOSED 1x8 SPLITTER
P	EXISTING PEDESTAL	1X4	PROPOSED 1x4 SPLITTER
	PROPOSED FP		SIGN
3	TREE		BORE PIT

INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

PREPARED BY:6030 BETHELVIEW RD,SUITE #301
CUMMING, GA 30040.USA

PROJECT INFORMATION	
SITE NAME:	LE1_007_FDH_11
SITE ADDRESS:	347 NAPLES AVE S
COUNTY:	LEE
APPROVER:	

SUBMITTAL INFORMATION			
REV	DATE	DESCRIPTION	INIT
0	02/26/2026	PERMIT DRAWING	CENT
1	03/12/2026	PERMIT DRAWING	CENT
2	03/26/2026	PERMIT DRAWING	CENT
3	04/10/2026	PERMIT DRAWING	CENT

CONSTRUCTION NOTES:

N

SHEET TITLE
LEGEND

SHEET NUMBER
GN-1

DRAWING SHEET
2 OF 6

AERIAL & U/G NOTES

ALL PROPOSED CONSTRUCTION WILL BE PER FDOT SPECIFICATIONS AS WELL AS ALL NESC SAFETY CODES.

ALL PROPOSED CATV WILL BE WITHIN THE FDOT RIGHT-OF-WAY.

ALL AERIAL CANAL RIGHT-OF-WAY CROSSINGS MUST BE A MINIMUM 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 BURIED A MINIMUM OF 40" 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 PARALLEL 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 FDOT RIGHT-OF-WAY.

ALL WORK PERFORMED WITHIN THE FDOT RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH FDOT 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.

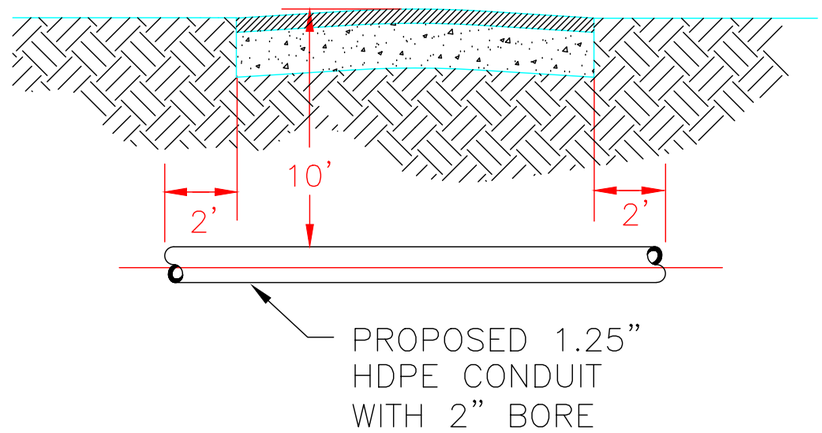
IT WILL BE THE RESPONSIBILITY OF THE PERMITTEE TO REPAIR ANY DAMAGE TO FDOT FACILITIES CAUSED BY THE CONSTRUCTION OF THE PROJECT.

ALL CONCRETE SHALL BE 3,000 PSI. APPROVED FDOT MIX DESIGN.

UTILITIES CONTACT

LEHIGH ACRES MUNICIPAL SERVICES
IMPROVEMENT DISTRICT
MICHAEL COOK
(239) 366-0044 Ext. 16
MCOOK@LA-MSID.COM
STORM WATER/CANALS

LUMOS
JASON BUSH
CONSTRUCTION MANAGER
(JASON.BUSH@LUMOSFIBER.COM)
941-812-2913



TYPICAL DRIVEWAY DIRECTIONAL BORE

N.T.S.

MOT NOTES

TRAFFIC CONTROL SHALL COMPLY WITH FEDERAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND F.D.O.T. DESIGN STANDARD #NO. 600.

lumos™
INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

PREPARED BY:6030 BETHELVIEW RD,SUITE #301
CUMMING, GA 30040.USA
CENTILLION SOLUTIONS

PROJECT INFORMATION	
SITE NAME:	LE1_007_FDH_11
SITE ADDRESS:	347 NAPLES AVE S
COUNTY:	LEE
APPROVER:	

SUBMITTAL INFORMATION			
REV	DATE	DESCRIPTION	INIT
0	02/26/2026	PERMIT DRAWING	CENT
1	03/12/2026	PERMIT DRAWING	CENT
2	03/26/2026	PERMIT DRAWING	CENT
3	04/10/2026	PERMIT DRAWING	CENT

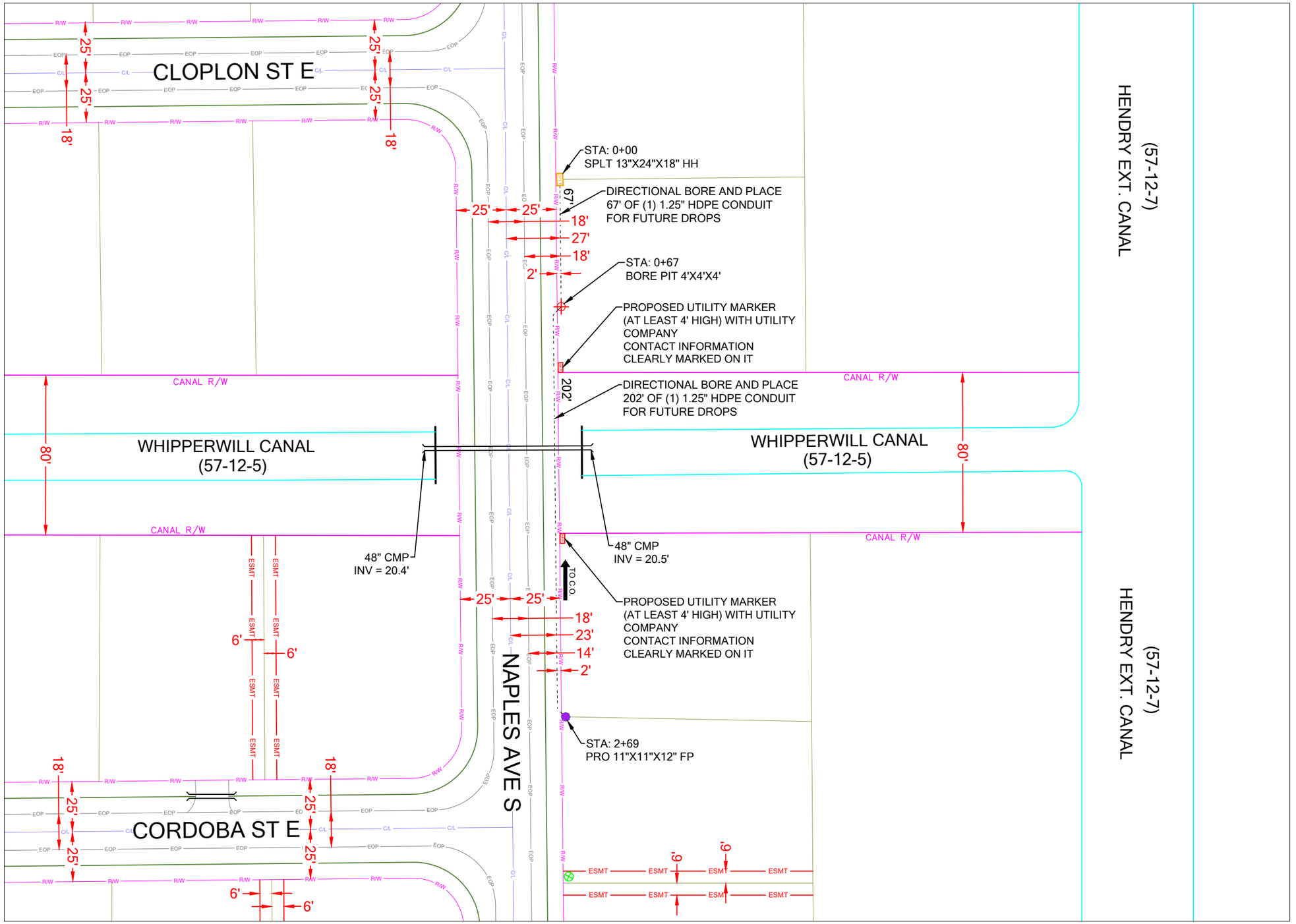
CONSTRUCTION NOTES:

N

SHEET TITLE
GENERAL NOTES

SHEET NUMBER
GN-2

DRAWING SHEET
3 OF 6

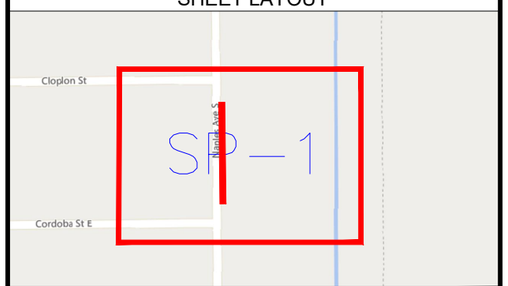


CONSTRUCTION NOTES

(1) 1.25" CONDUIT WITH 2" BORE.

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.

SHEET LAYOUT



NOTE: LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION.

NOTE: ALL EXISTING UTILITIES PLACED ON PRINTS FOR REFERENCE ONLY. (NOT TO SCALE)

Sunshine811

INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

PREPARED BY: 6030 BETHELVIEW RD, SUITE #301 CUMMING, GA 30040. USA
CENTILLION SOLUTIONS

PROJECT INFORMATION

SITE NAME:	LE1_007_FDH_11
SITE ADDRESS:	347 NAPLES AVE S
COUNTY:	LEE
APPROVER:	

0' 25' 50'
SCALE: 1"=50'

SUBMITTAL INFORMATION

REV	DATE	DESCRIPTION	INIT
0	02/26/2026	PERMIT DRAWING	CENT
1	03/12/2026	PERMIT DRAWING	CENT
2	03/26/2026	PERMIT DRAWING	CENT
2	04/10/2026	PERMIT DRAWING	CENT

CONSTRUCTION NOTES:

BORE ALL BURIED ROUTES
. MIN DEPTH OF 36"
. ALL CABLE PLACED IN 1.25" HDPE 2' OFF ROW UNLESS SPECIFIED
. SIDEWALKS TO BE REPLACED JOINT TO JOINT
. PLACED AT BACK OF ROW

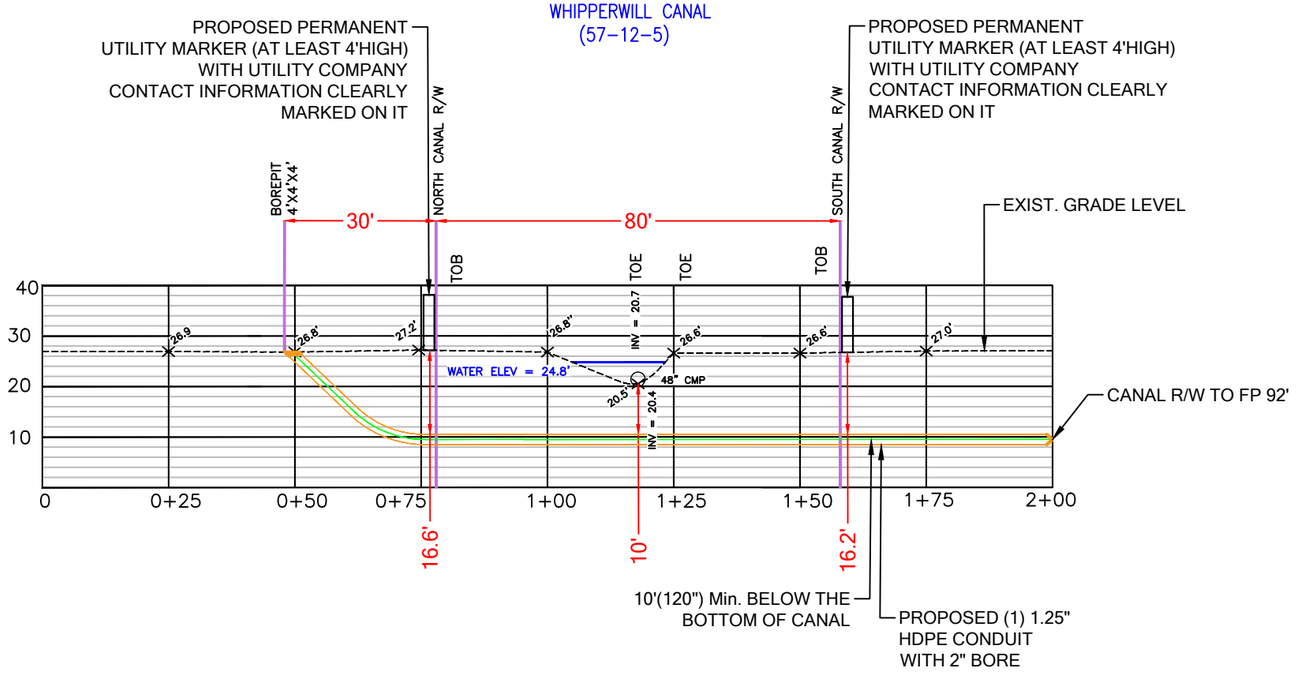
SHEET TITLE
CONSTRUCTION PLANS

SHEET NUMBER
SP-1

DRAWING SHEET
4 OF 6

U/G CANAL CROSS PROFILE VIEW

1" = 30' HORIZONTAL
1" = 30' VERTICAL

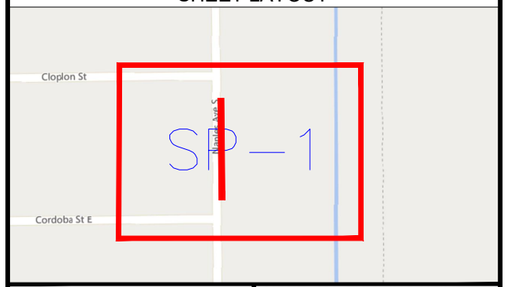


CONSTRUCTION NOTES

(1) 1.25" CONDUIT WITH 2" BORE.

BORE MUST BE 10' BELOW THE LOWEST PIPE INVERT OR THE CANAL BOTTOM, WHICHEVER IS LOWEST, FOR THE ENTIRE 80' (69' LINEAR) 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.

SHEET LAYOUT



NOTE: LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION.

NOTE: ALL EXISTING UTILITIES PLACED ON PRINTS FOR REFERENCE ONLY. (NOT TO SCALE)

Sunshine811

lumos™
INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

6030 BETHELVIEW RD, SUITE #301
PREPARED BY: CUMMING, GA 30040. USA
CENTILLION SOLUTIONS

PROJECT INFORMATION

SITE NAME:	LE1_007_FDH_11
SITE ADDRESS:	347 NAPLES AVE S
COUNTY:	LEE
APPROVER:	

0' 15' 30'
SCALE: 1"=30'

SUBMITTAL INFORMATION

REV	DATE	DESCRIPTION	INIT
0	02/26/2026	PERMIT DRAWING	CENT
1	03/12/2026	PERMIT DRAWING	CENT
2	03/26/2026	PERMIT DRAWING	CENT
2	04/10/2026	PERMIT DRAWING	CENT

CONSTRUCTION NOTES:

BORE ALL BURIED ROUTES
. MIN DEPTH OF 36"
. ALL CABLE PLACED IN 1.25" HDPE 2' OFF ROW UNLESS SPECIFIED
. SIDEWALKS TO BE REPLACED JOINT TO JOINT
. PLACED AT BACK OF ROW

SHEET TITLE
CONSTRUCTION PLANS

SHEET NUMBER
SP-1A

DRAWING SHEET
5 OF 6



BORE CROSSING
WHIPPERWILL CANAL
(57-12-5)

lumos™

INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

PREPARED BY:6030 BETHELVIEW RD,SUITE #301
CUMMING, GA 30040.USA

CENTILLION SOLUTIONS

PROJECT INFORMATION	
SITE NAME:	LE1_007_FDH_11
SITE ADDRESS:	347 NAPLES AVE S
COUNTY:	LEE
APPROVER:	

SUBMITTAL INFORMATION			
REV	DATE	DESCRIPTION	INIT
0	02/26/2026	PERMIT DRAWING	CENT
1	03/12/2026	PERMIT DRAWING	CENT
2	03/26/2026	PERMIT DRAWING	CENT
3	04/10/2026	PERMIT DRAWING	CENT

CONSTRUCTION NOTES:

N

SHEET TITLE
IMAGE

SHEET NUMBER	DRAWING SHEET
SP-1B	6 OF 6

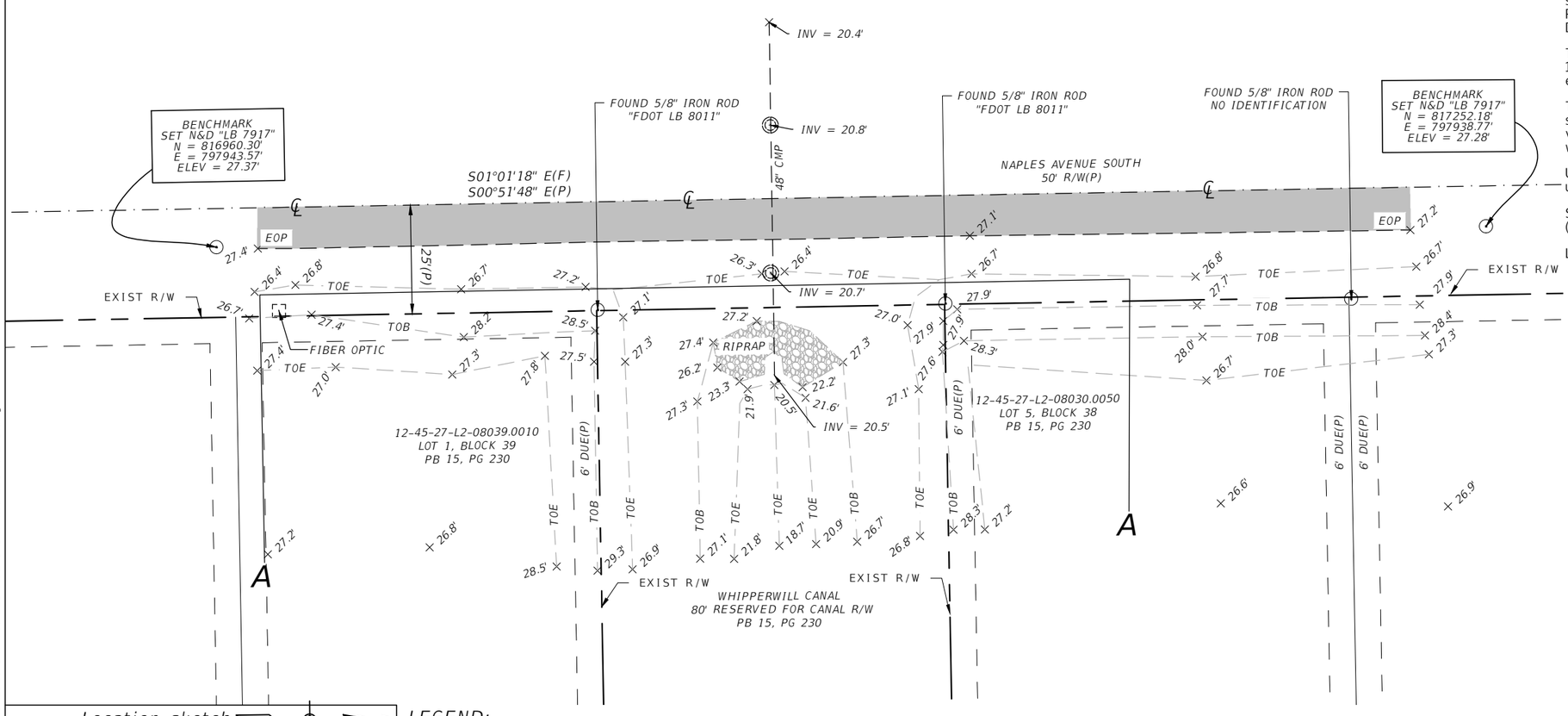
Topographic Survey of a Subject Project Site

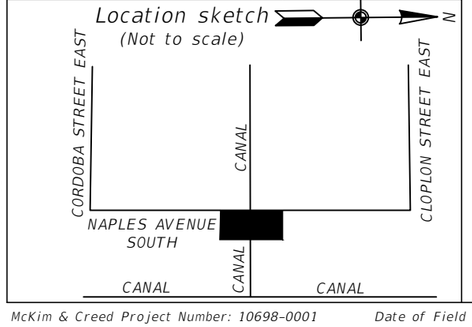
lying within

Section 12, Township 45 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
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

0 15' 30'
(1" = 30')
Graphic Scale

NOTES:
Survey based on the plat of Unit 8 as recorded in Plat Book 15 Page 230, 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 Naples Avenue South between Cordoba Street East and Cloplon 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: 12/10/2025

TAYLOR J. HENNINGE
License Number
7279
STATE OF FLORIDA
Professional Surveyor and Mapper

Taylor Henninge 2025.12.22 11:24:56-05'00'

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.

Naples Avenue South, Lehigh Acres

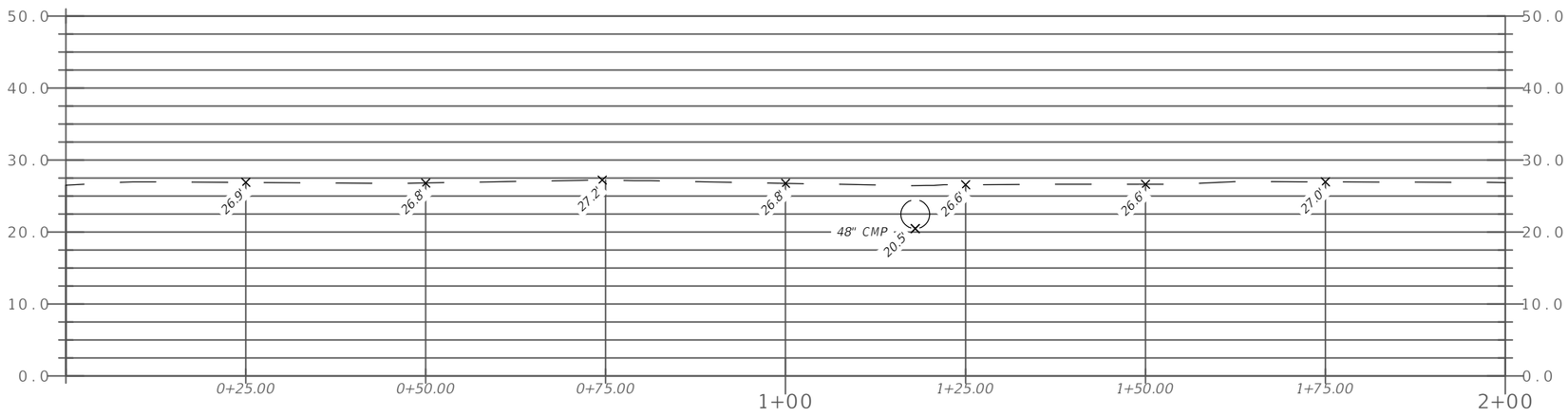
TOPOGRAPHIC SURVEY - PLAN VIEW

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.:
347 NAPLES AVE S.dwg	106981-1/26	106980001-L026
Survey date:	**Drawn by:**	**Checked by:**	**Sheet No.:**
12/10/2025	KB	TJH	01 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L026-347 NAPLES AVE S\347 NAPLES AVE S.dwg

Topographic Survey of a
Subject Project Site
Section 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

Naples Avenue South, 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.:
347 NAPLES AVE S.dwg	106981-1/26	106980001-L026

Survey date:	Drawn by:	Checked by:	Sheet No.:
12/10/2025	KB	TJH	02 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L026-347 NAPLES AVE S\347 NAPLES AVE S.dwg

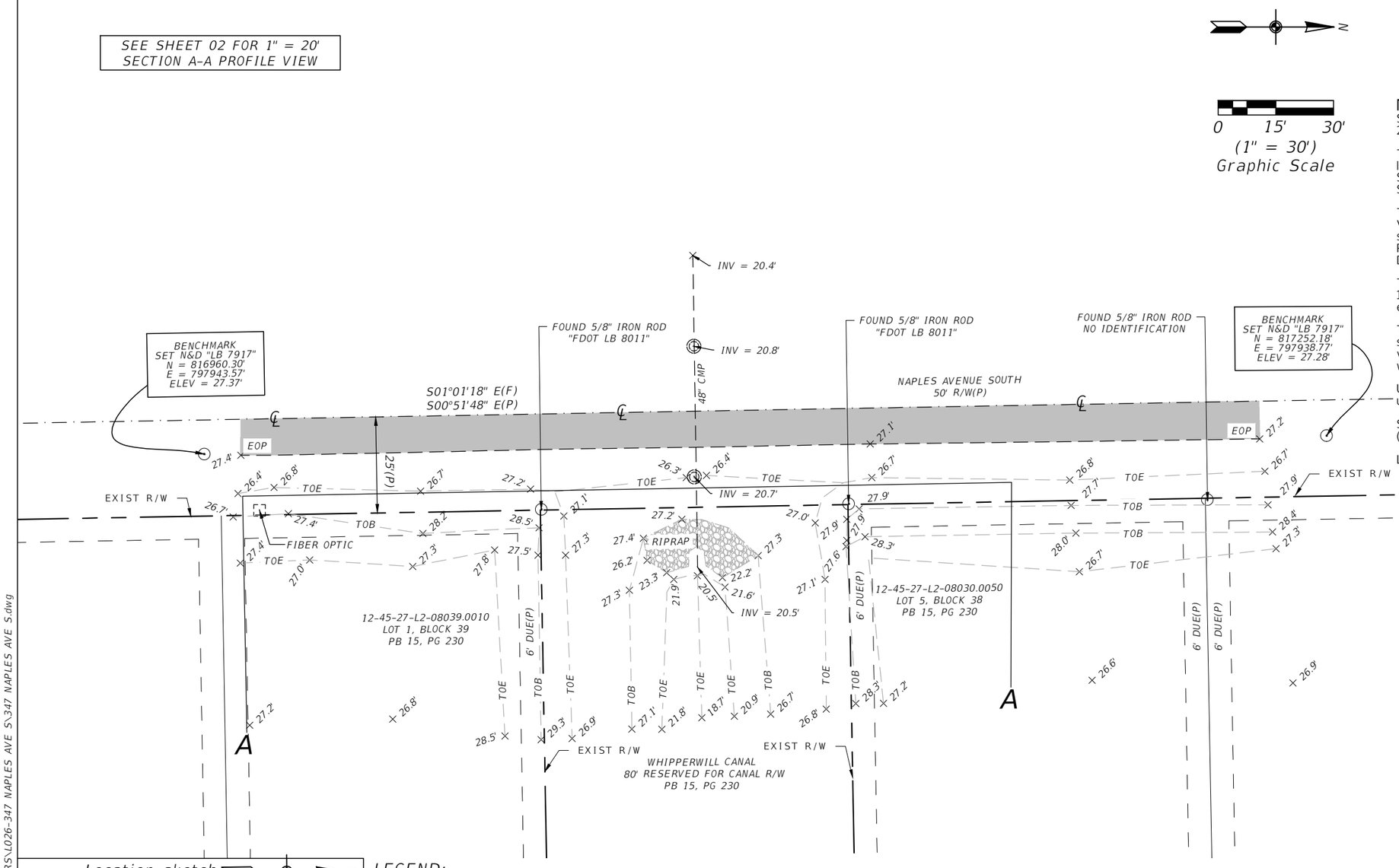
Topographic Survey of a Subject Project Site

lying within

Section 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 8 as recorded in Plat Book 15 Page 230, 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 Naples Avenue South between Cordoba Street East and Cloplon 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: 12/10/2025

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

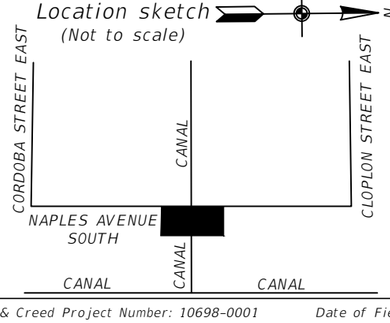
Not valid without the signature and the original seal of a Florida licensed surveyor and mapper.

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.

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
◎	= MANHOLE STORM WATER

Naples Avenue South, Lehigh Acres

TOPOGRAPHIC SURVEY - PLAN VIEW

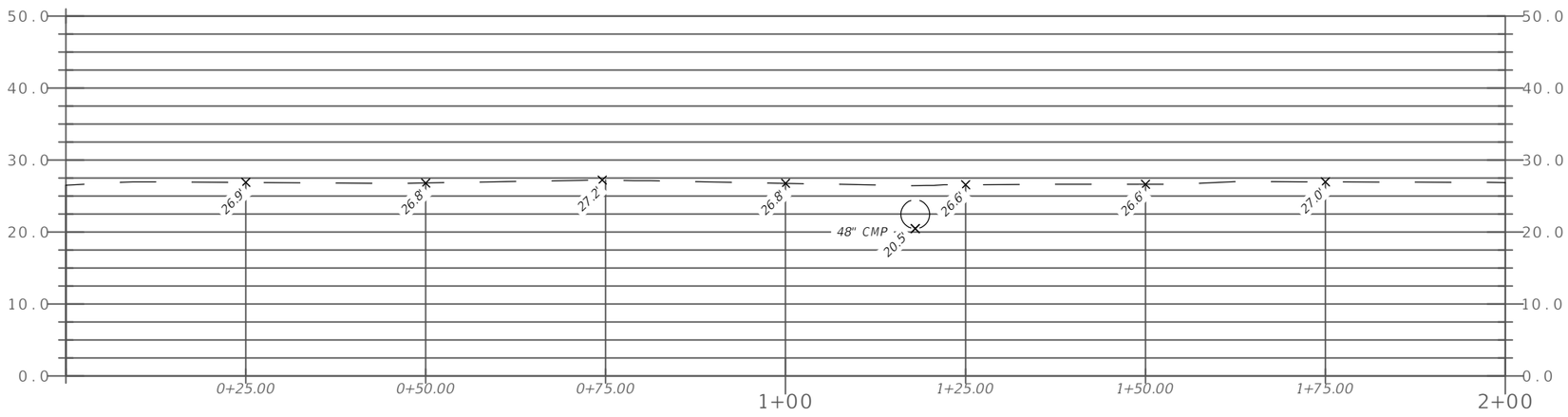
McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name:	Field book/page:	Project No.:
347 NAPLES AVE S.dwg	106981-1/26	106980001-L026

Survey date:	Drawn by:	Checked by:	Sheet No.:
12/10/2025	KB	TJH	01 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L026-347 NAPLES AVE S\347 NAPLES AVE S.dwg

Topographic Survey of a
Subject Project Site
Section 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

Naples Avenue South, 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.:
347 NAPLES AVE S.dwg	106981-1/26	106980001-L026

Survey date:	Drawn by:	Checked by:	Sheet No.:
12/10/2025	KB	TJH	02 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L026-347 NAPLES AVE S\347 NAPLES AVE S.dwg

UNIT 4

CLAREMONT ST. E.

CLOPLON ST. E.

CORDOBA ST. E.

SUMMA BLVD. E.

MERLIN AVE. S.

LEAL AVE. S.

NAPLES AVE. S.

RESERVED FOR CANAL

UNIT 7

UNIT 11

EAST LINE OF SEC. 12 S. 0°-51'-48" E. 1010.0'

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.

✕ Witness Monument

PLAT OF UNIT 8
SECTION 12, TWP. 45 S., RGE. 27 E.
A SUBDIVISION OF

LEHIGH ACRES

LEE COUNTY, FLORIDA

100 50 0 100 200

SCALE IN FEET

PLAT BOOK 15 PAGE 222

PLAT OF SECTION 12

A SUBDIVISION OF

LEHIGH ACRES

LEE COUNTY, FLORIDA

LEE COUNTY LAND AND TITLE COMPANY

DEVELOPERS

DESCRIPTION

ALL OF SECTION 12, 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 12, 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 4TH DAY OF June 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 5TH DAY OF June A.D. 1963

Jean Weddle
NOTARY PUBLIC STATE OF FLORIDA AT LARGE
My Commission Expires

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 June A.D. 1963 IN OPEN MEETING OF THE BOARD OF COUNTY COMMISSIONERS OF LEE COUNTY, FLORIDA.

APPROVED Herman J. Hastings
Chairman

D. J. Starkey
Clerk

Frank K. Reeves
County Attorney

County Engineer

I HEREBY CERTIFY THAT THIS PLAT OF SECTION 12, 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 6TH DAY OF June A.D. 1963, AND DULY RECORDED IN PLAT BOOK 15 ON PAGE 222-241 OF PUBLIC RECORDS OF LEE COUNTY, FLORIDA.

D. J. Starkey
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.

F. V. Zemmer
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 #26-26

Recommended Action

Engineering Review:

By: _____5/7/2026 **Approved _X_ Denied __**

District Field Review:

By: _____ Approved ___ Denied ___

District Manager: _____ Date: _____

Comments:

The referenced permit application for a boring under Whipperwill Canal (57-12-5) at Naples Ave, in Lehigh Acres, submitted by Lumos, 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 #26-30, PER #26-32, PER #26-33, PER #26-34, PER #26-35, PER #26-36, PER #26-37, PER #26-38 Lumos Fiber Bores

Meeting Date: 18-May-26

Agenda Item # 2O

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

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

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

Recommended motion: Move to approve PER #26-30, PER #26-32, PER #26-33, PER #26-34, PER #26-35, PER #26-36, PER #26-37, PER #26-38 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 #26-30=$3,900.00, PER #26-32=$3,900.00, PER #26-33=$4,410.00, PER #26-34=$3,900.00, PER #26-35=$3,900.00, PER #26-36=$7,630.80, PER #26-37=$2,640.30, PER #26-38=$3,900.00

Staff comments: Approved according to the revised plans for each crossing submitted April 30, 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 18th day of May, 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 Item Canal (47-36-2), along the east side of Moore Ave., between E. 5th St. & E. 3rd 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. 26-30

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 #26-30 is approved according to the revised plans submitted April 30th, 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' width of 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.

PART I

DATE SUBMITTED: 04 - 30 - 26

PERMIT #: 26 - 30

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_006_FDH_02_325 Moore Ave - Item Canal (47-36-2)

TOTAL ACREAGE: NA

Property Address (STRAP associated with this address will be used as the primary STRAP for this project): **325 MOORE AVE**					
Mailing Address:	**NA**				
City:	**Lehigh Acres**	**State:**	**FL**	**Zip:**	**33936**

STRAP NUMBERS (attach additional sheet if necessary):

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

Brief description of proposed project:

Application for: : Lumos proposes to install (3) 1.25" conduit(s) with an 80' UG bore utilizing a 4" bore head to cross the Item Canal (47-36-2) at Moore Ave within MSID easement boundaries. This application covers the permanent underground installation only

RECEIVED
APR 30 2026
LEHIGH ACRES
MUNICIPAL SERVICES
IMPROVEMENT DISTRICT

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

Estimated # of Phases:	1	
***Permit Fee:**	$1,950.00	**(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 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:	**Milenium Directional Drilling, Inc**					
Mailing Address:	**Street:**	**5395 Cogswell Dr**				
City:	**Wayne**	**State:**	**MI**		**Zip:**	**48184**
Phone No.	**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:**	**GA**		**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:	**NA**					
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 April (m), 2026 (y), by William Kiefer who is personally know to me or has produced N/A as identification.

OFFICIAL SEAL
KYLE LEWIS PARKEY
NOTARY PUBLIC - ARIZONA
MARICOPA COUNTY
COMM# 691029
My Comm. Expires December 15, 2026

Kyle Parkey
SIGNATURE OF NOTARY PUBLIC

Kyle Lewis Parkey
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:	McKim & Creed						
Mailing Address:	5701 Division Dr. Ste A						
City:	Fort Myers	**State:**	FL			**Zip:**	33905
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).
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.

GRIDIRON
P.O. BOX 1028
WAYNESBORO, VA 22980

FIFTH THIRD BANK
13-31/420

60002672

02/12/2026

PAY TO THE ORDER OF LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

$ **$1,650.00

one thousand six hundred fifty and 00/100********** DOLLARS

VOID IF NOT CASHED IN 90 DAYS

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRI
601 East County Ln
Lehigh Acres FL 33936
United States

MEMO

MP

⑈60002672⑈ ⑆042000314⑆ 7029100125⑈

GRIDIRON 60002672

02/12/2026 404662 LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

Type	Ref. No.	Date	Description	Orig. Amt.	Amt. Due	Credit	Payment
Bill	37			$1,650.00	$1,650.00		$1,650.00

GRIDIRON 60002672

02/12/2026 404662 LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

Type	Ref. No.	Date	Description	Orig. Amt.	Amt. Due	Credit	Payment
Bill	37			$1,650.00	$1,650.00		$1,650.00

Permit # 26-30

Scanned with CamScanner

GRIDIRON
P.O. BOX 1028
WAYNESBORO, VA 22980

FIFTH THIRD BANK
13-31/420

60002719

03/05/2026

PAY TO THE ORDER OF LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

$ **$300.00

three hundred and 00/100**********

DOLLARS

VOID IF NOT CASHED IN 90 DAYS

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRI
601 East County Ln
Lehigh Acres FL 33936
United States

MEMO

MP

⑈60002719⑈ ⑆042000314⑆70291001125⑈

GRIDIRON 60002719

03/05/2026 404662 LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

Type	Ref. No.	Date	Description	Orig. Amt.	Amt. Due	Credit	Payment
Bill	26-30			$300.00	$300.00		$300.00

Permit # 26-30

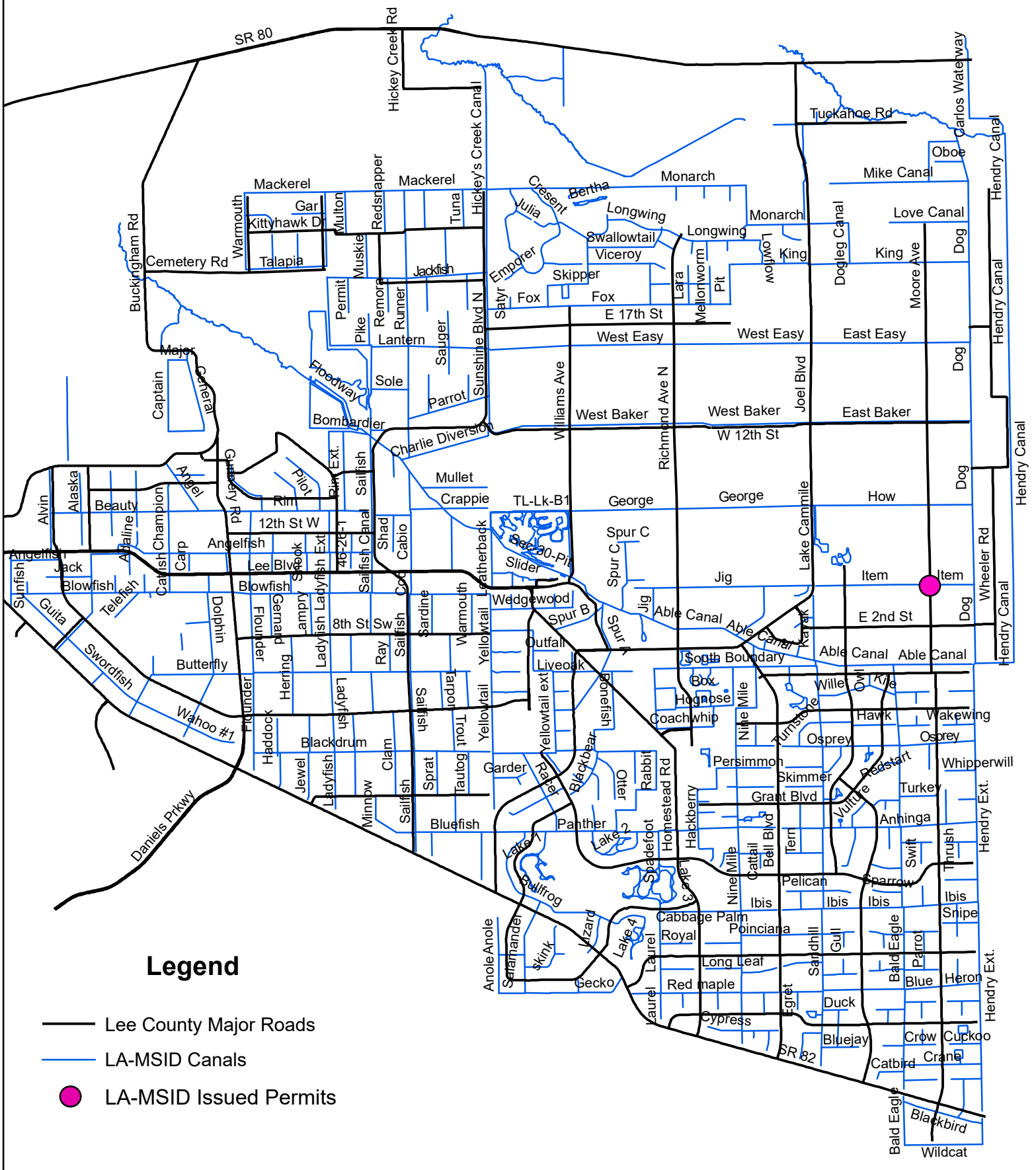
GRIDIRON 60002719

03/05/2026 404662 LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

Type	Ref. No.	Date	Description	Orig. Amt.	Amt. Due	Credit	Payment
Bill	26-30			$300.00	$300.00		$300.00

RECEIVED
MAR 09 2026
LEHIGH ACRES
MUNICIPAL SERVICES
IMPROVEMENT DISTRICT

Permit # 2026-30



Legend

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

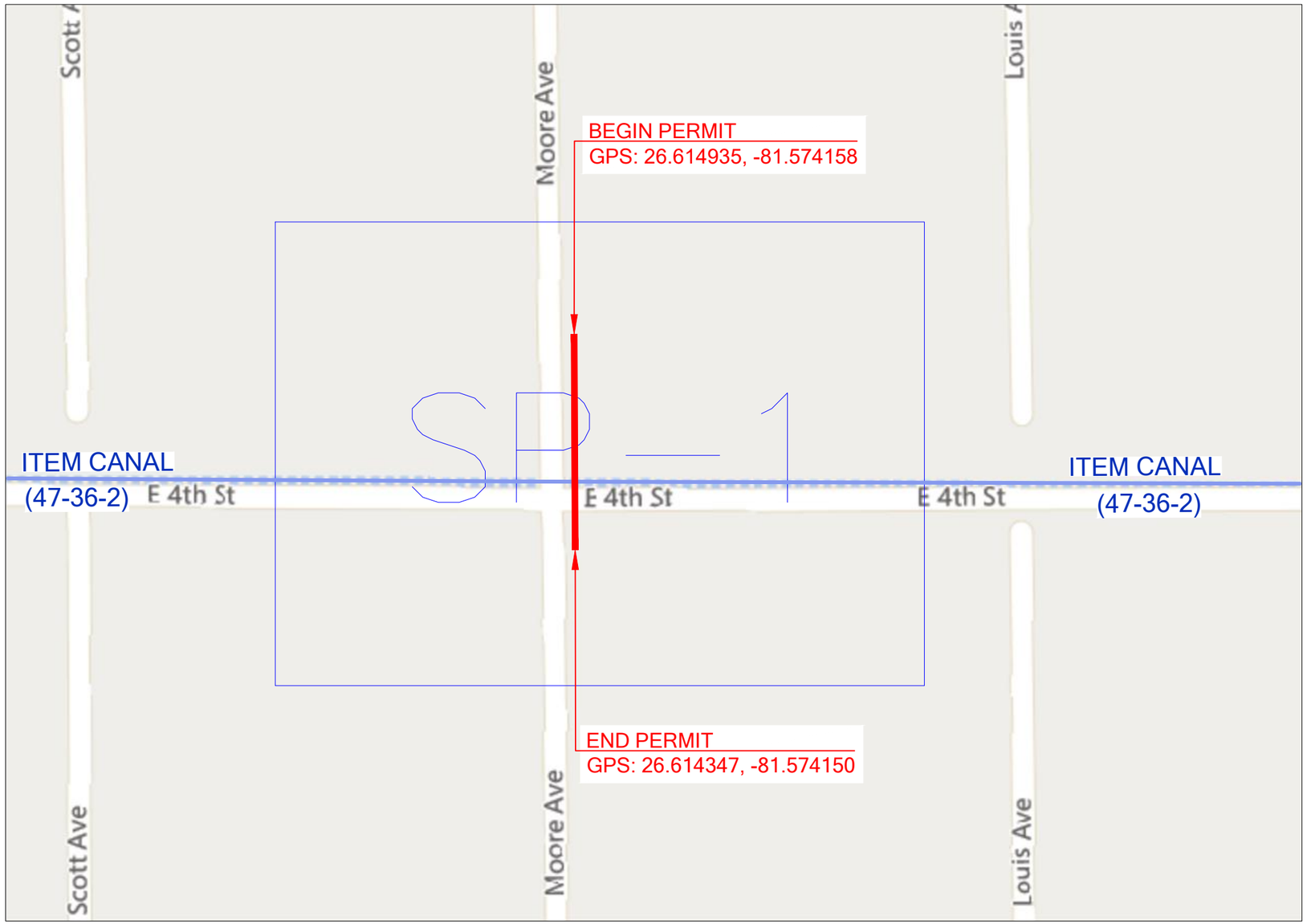
LUMOS NETWORKS
JOB NUMBER: R0LEEFL-06-02
ROUTE NAME: LE1_006_FDH_02

LUMOS PROPOSED FIBER OPTIC NETWORK PLACEMENT

CONSTRUCTION METHOD	FOOTAGE
UNDERGROUND	80′
AERIAL	0'

TOTAL PROPOSED FOOTAGE = 80′

INDEX TO SHEET	
SHEET	TITLE
CV-1	LOCATION MAP
GN-1	LEGEND
GN-2	GENERAL NOTES AND CONSTRUCTION NOTE
SP-1	CONSTRUCTION PLANS
SP-A	PROFILE VIEW
SP-B	IMAGE



INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

PREPARED BY:6030 BETHELVIEW RD,SUITE #301
CUMMING, GA 30040.USA

PROJECT INFORMATION	
SITE NAME:	LE1_006_FDH_02
SITE ADDRESS:	325 MOORE AVE
COUNTY:	LEE
APPROVER:	

SUBMITTAL INFORMATION			
REV	DATE	DESCRIPTION	INIT
0	02/20/2026	PERMIT DRAWING	CENT
1	03/11/2026	PERMIT DRAWING	CENT
2	03/26/2026	PERMIT DRAWING	CENT
3	04/09/2026	PERMIT DRAWING	CENT

CONSTRUCTION NOTES:

N

SHEET TITLE
LOCATION MAP

SHEET NUMBER
CV-1

DRAWING SHEET
1 OF 6

LUMOS:

NAME: JASON BUSH
CELL: (850)428 - 1313

UTILITIES:

FL811 (800-432-4770)

CENTILLION:

CRAIG BLACK - PROJECT MANAGER
(CELL)720-597-5320

PERMITS:

LEHIGH ACRES MSID - PERMIT NUMBER / DATE: TBD

LINETYPE LEGEND

EOP	= EX. EDGE OF PAVEMENT
C/L	= EX. CENTER LINE
R/W	= EX. RIGHT OF WAY
ESMT	= EX. EASEMENT
	= EX. PROPERTY LINE
	= EX. BUILDING EDGE
OHF OHF	= EX. OVERHEAD FIBER
BFO BFO	= EX. BURIED FIBER
EX_STRAND	= EX. STRAND
	= EX. FENCE
GR GR	= EX. GUARDRAIL
	= RAILROAD
DB	= DIRECTIONAL BORE
	= WATER BODY
	= CULVERT
OHF OHF	= PROP. OVERHEAD FIBER
BFO BFO	= PROP. BURIED FIBER
	= PROP. CONDUIT
Strand Strand	= PROP. STRAND
	= PROP. MULTIPORT TAIL
SD	= STORM DRAINAGE
SS	= SEWER LINE
W	= WATER LINE
T	= TELCO LINE
TV	= CABLE TV LINE
E	= ELECTRIC LINE
TRAFF	= TRAFFIC LINE
G	= GAS LINE
	= DITCH LINE

SYMBOL LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	PROPOSED ANCHOR & GUY		DUCT COUNT
	FOREIGN/EXISTING ANCHOR & GUY		FIRE HYDRANT
	MGNV		WATER VALVE / METER
	JOINT USE POLE	W	WATER MANHOLE
	POWER POLE	S	SEWER MANHOLE
	COMMUNICATION POLE	SD	STORM MANHOLE
S	STEEL POLE		STORM INLET / CATCH BASIN
	CATV POLE	G	GAS VALVE / METER
	PROPOSED POLE	P	ELECTRIC MANHOLE
R	RISER	P	ELECTRIC HANDHOLE
	PROPOSED STORAGE LOOP		STREET LIGHT
	FIBER SPLICE	ELEC BOX	BURIED TRANSFORMER
	MIDSHEATH SPLICE	TRAF	TRAFFIC HANDHOLE
	TO C.O.		TRAFFIC POLE / SIGNAL
SPLT	SPLITTER HANDHOLE (13"X24"X18")	T	TELCO MANHOLE
SM	SMALL HANDHOLE (17"X30"X24")	TL	TELCO HANDHOLE
MED	MEDIUM HANDHOLE (24"X36"X24")	T	TELCO PEDESTAL
LHH	LARGE HANDHOLE (30"X48"X24")	CV	CABLE TV HANDHOLE
HH	EXISTING HANDHOLE	CV	CABLE TV PEDESTAL
P	PROPOSED PEDESTAL	1X8	PROPOSED 1x8 SPLITTER
P	EXISTING PEDESTAL	1X4	PROPOSED 1x4 SPLITTER
	PROPOSED FP		SIGN
3	TREE		BORE PIT

lumos™
INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

PREPARED BY:6030 BETHELVIEW RD,SUITE #301
CUMMING, GA 30040.USA
CENTILLION SOLUTIONS

PROJECT INFORMATION	
SITE NAME:	LE1_006_FDH_02
SITE ADDRESS:	325 MOORE AVE
COUNTY:	LEE
APPROVER:	

SUBMITTAL INFORMATION			
REV	DATE	DESCRIPTION	INIT
0	02/20/2026	PERMIT DRAWING	CENT
1	03/11/2026	PERMIT DRAWING	CENT
2	03/26/2026	PERMIT DRAWING	CENT
3	04/09/2026	PERMIT DRAWING	CENT

CONSTRUCTION NOTES:

N

SHEET TITLE
LEGEND

SHEET NUMBER
GN-1

DRAWING SHEET
2 OF 6

AERIAL & U/G NOTES

ALL PROPOSED CONSTRUCTION WILL BE PER FDOT SPECIFICATIONS AS WELL AS ALL NESC SAFETY CODES.

ALL PROPOSED CATV WILL BE WITHIN THE FDOT RIGHT-OF-WAY.

ALL AERIAL CANAL RIGHT-OF-WAY CROSSINGS MUST BE A MINIMUM 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 BURIED A MINIMUM OF 40" 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 PARALLEL 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 FDOT RIGHT-OF-WAY.

ALL WORK PERFORMED WITHIN THE FDOT RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH FDOT 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.

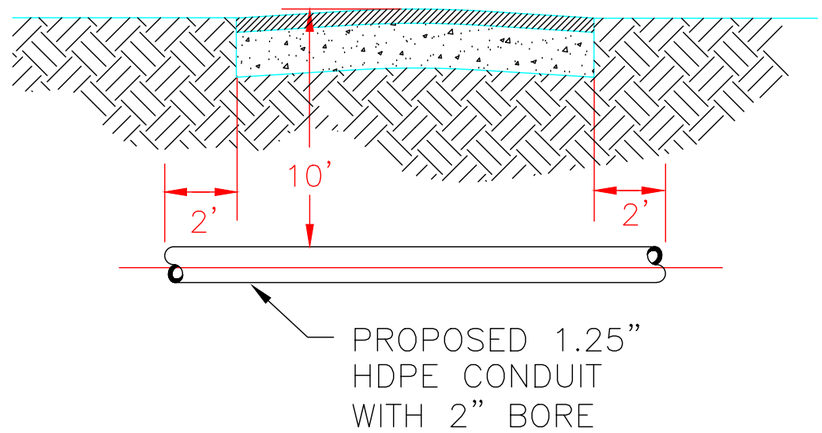
IT WILL BE THE RESPONSIBILITY OF THE PERMITTEE TO REPAIR ANY DAMAGE TO FDOT FACILITIES CAUSED BY THE CONSTRUCTION OF THE PROJECT.

ALL CONCRETE SHALL BE 3,000 PSI. APPROVED FDOT MIX DESIGN.

UTILITIES CONTACT

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT
MICHAEL COOK
(239) 366-0044 Ext. 16
MCOOK@LA-MSID.COM
STORM WATER/CANALS

LUMOS
JASON BUSH
CONSTRUCTION MANAGER
(JASON.BUSH@LUMOSFIBER.COM)
941-812-2913



TYPICAL DRIVEWAY DIRECTIONAL BORE

N.T.S.

MOT NOTES

TRAFFIC CONTROL SHALL COMPLY WITH FEDERAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND F.D.O.T. DESIGN STANDARD #NO. 600.

INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

PREPARED BY:6030 BETHELVIEW RD,SUITE #301
CUMMING, GA 30040.USA

PROJECT INFORMATION	
SITE NAME:	LE1_006_FDH_02
SITE ADDRESS:	325 MOORE AVE
COUNTY:	LEE
APPROVER:	

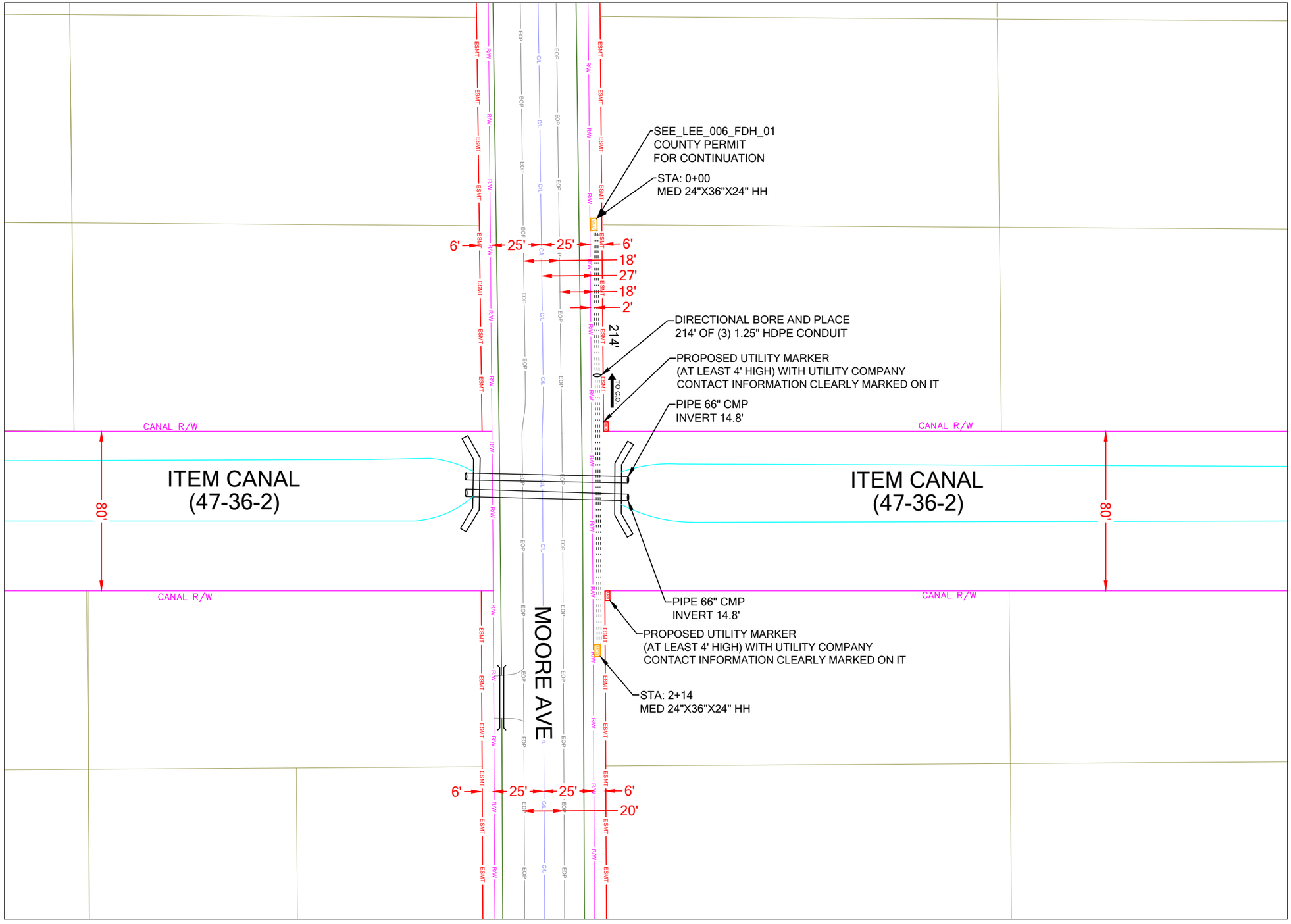
SUBMITTAL INFORMATION			
REV	DATE	DESCRIPTION	INIT
0	02/20/2026	PERMIT DRAWING	CENT
1	03/11/2026	PERMIT DRAWING	CENT
2	03/26/2026	PERMIT DRAWING	CENT
3	04/09/2026	PERMIT DRAWING	CENT

CONSTRUCTION NOTES:

SHEET TITLE: GENERAL NOTES

SHEET NUMBER: GN-2

DRAWING SHEET: 3 OF 6

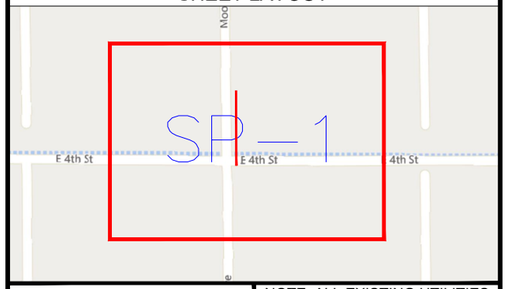


CONSTRUCTION NOTES

(3) 1.25" CONDUIT WITH 4" BORE.

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.

SHEET LAYOUT



NOTE: LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION.

NOTE: ALL EXISTING UTILITIES PLACED ON PRINTS FOR REFERENCE ONLY. (NOT TO SCALE)

Sunshine811

lumos™
INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

PREPARED BY: 6030 BETHELVIEW RD, SUITE #301 CUMMING, GA 30040. USA
CENTILLION SOLUTIONS

PROJECT INFORMATION	
SITE NAME:	LE1_006_FDH_02
SITE ADDRESS:	325 MOORE AVE
COUNTY:	LEE
APPROVER:	

0' 25' 50'
SCALE: 1"=50'

SUBMITTAL INFORMATION			
REV	DATE	DESCRIPTION	INIT
0	02/20/2026	PERMIT DRAWING	CENT
1	03/11/2026	PERMIT DRAWING	CENT
2	03/26/2026	PERMIT DRAWING	CENT
3	04/09/2026	PERMIT DRAWING	CENT

CONSTRUCTION NOTES:

BORE ALL BURIED ROUTES
. MIN DEPTH OF 36"
. ALL CABLE PLACED IN 1.25" HDPE 2' OFF ROW UNLESS SPECIFIED
. SIDEWALKS TO BE REPLACED JOINT TO JOINT
. PLACED AT BACK OF ROW

SHEET TITLE
CONSTRUCTION PLANS

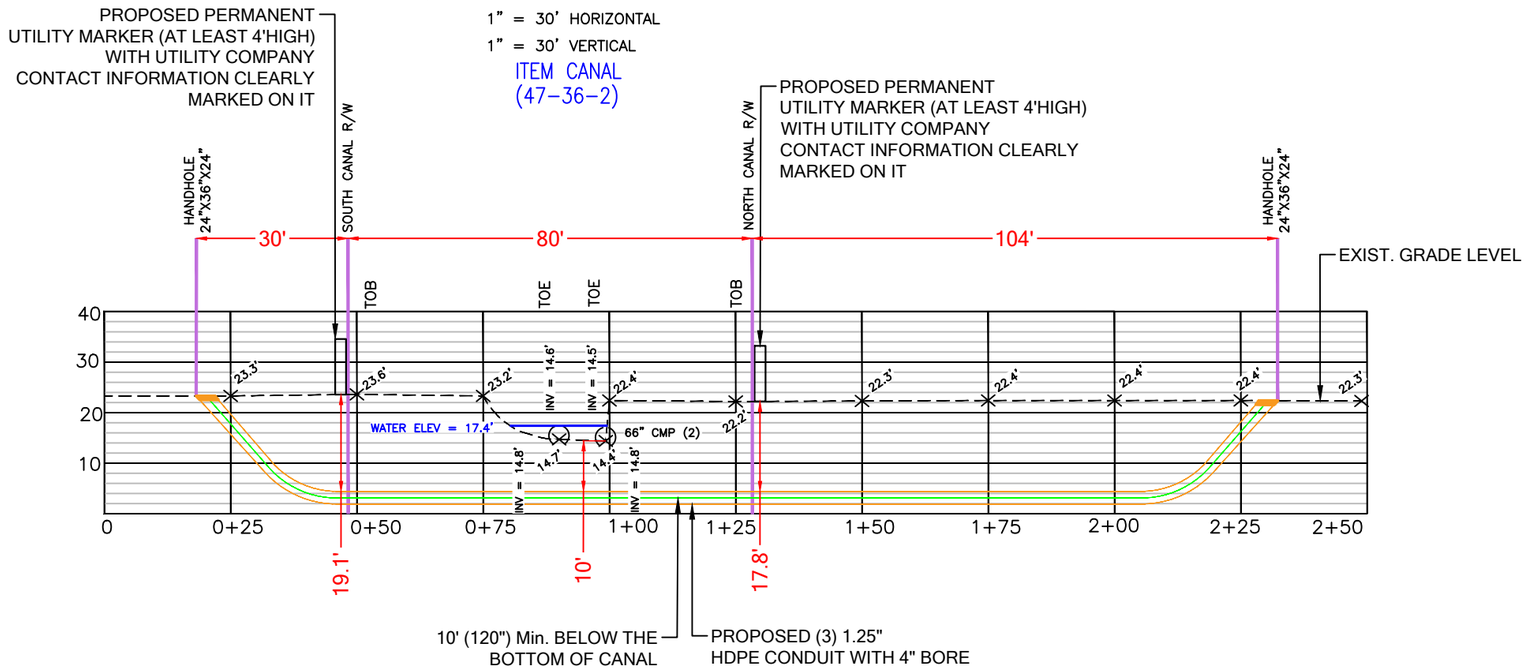
SHEET NUMBER
SP-1

DRAWING SHEET
4 OF 6

U/G CANAL CROSS PROFILE VIEW

1" = 30' HORIZONTAL
1" = 30' VERTICAL

ITEM CANAL
(47-36-2)

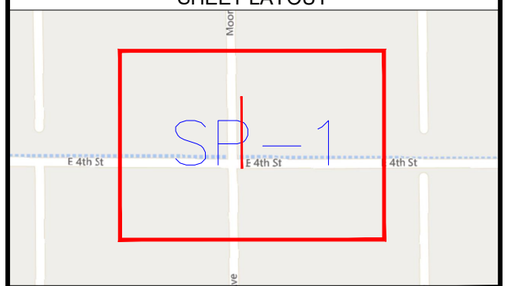


CONSTRUCTION NOTES

(3) 1.25" CONDUIT WITH 4" BORE.

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.

SHEET LAYOUT



NOTE: LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION.

NOTE: ALL EXISTING UTILITIES PLACED ON PRINTS FOR REFERENCE ONLY. (NOT TO SCALE)

Sunshine811

INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

6030 BETHELVIEW RD, SUITE #301
PREPARED BY: CUMMING, GA 30040. USA
CENTILLION SOLUTIONS

PROJECT INFORMATION

SITE NAME:	LE1_006_FDH_02
SITE ADDRESS:	325 MOORE AVE
COUNTY:	LEE
APPROVER:	

0' 15' 30'
SCALE: 1"=30'

SUBMITTAL INFORMATION

REV	DATE	DESCRIPTION	INIT
0	02/20/2026	PERMIT DRAWING	CENT
1	03/11/2026	PERMIT DRAWING	CENT
2	03/26/2026	PERMIT DRAWING	CENT
3	04/09/2026	PERMIT DRAWING	CENT

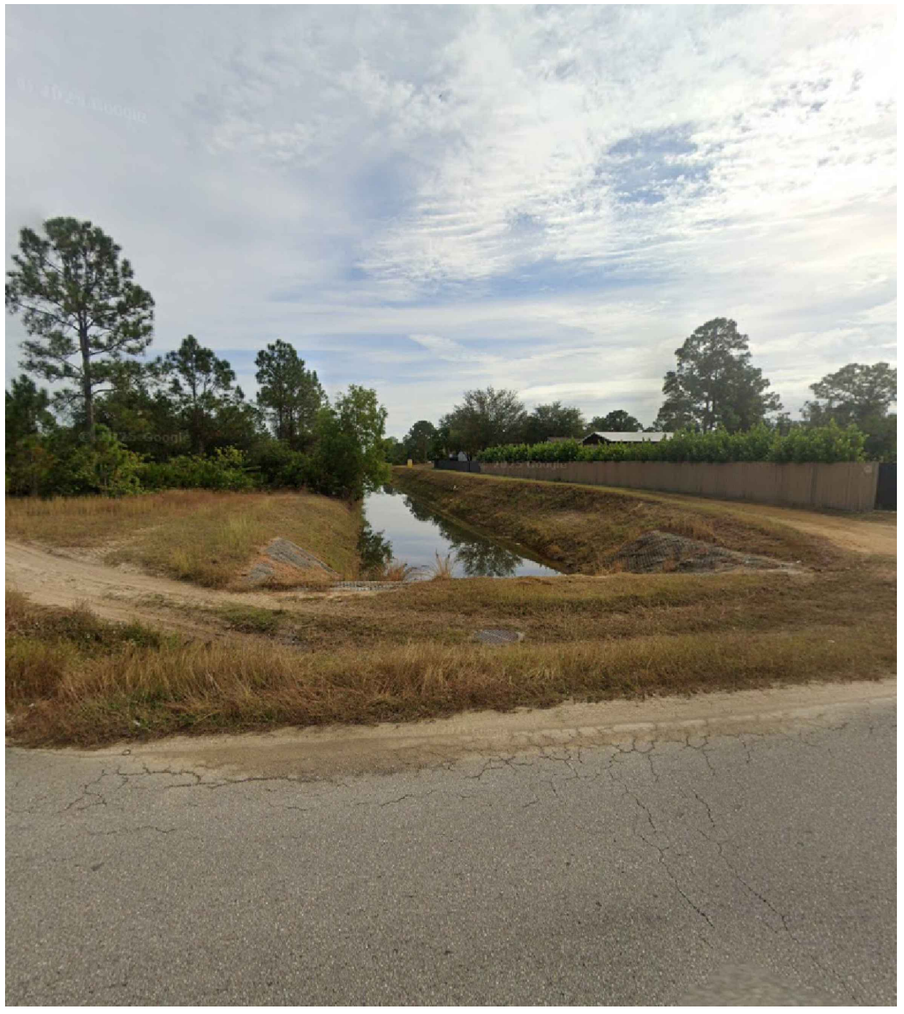
CONSTRUCTION NOTES:

BORE ALL BURIED ROUTES
. MIN DEPTH OF 36"
. ALL CABLE PLACED IN 1.25" HDPE 2' OFF ROW UNLESS SPECIFIED
. SIDEWALKS TO BE REPLACED JOINT TO JOINT
. PLACED AT BACK OF ROW

SHEET TITLE
CONSTRUCTION PLANS

SHEET NUMBER
SP-1A

DRAWING SHEET
5 OF 6



BORE CROSSING
ITEM CANAL
(47-36-2)

lumos™

INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

PREPARED BY:6030 BETHELVIEW RD,SUITE #301
CUMMING, GA 30040.USA

CENTILLION SOLUTIONS

PROJECT INFORMATION	
SITE NAME:	LE1_006_FDH_02
SITE ADDRESS:	325 MOORE AVE
COUNTY:	LEE
APPROVER:	

SUBMITTAL INFORMATION			
REV	DATE	DESCRIPTION	INIT
0	02/20/2026	PERMIT DRAWING	CENT
1	03/11/2026	PERMIT DRAWING	CENT
2	03/26/2026	PERMIT DRAWING	CENT
3	04/09/2026	PERMIT DRAWING	CENT

CONSTRUCTION NOTES:

N

SHEET TITLE
IMAGE

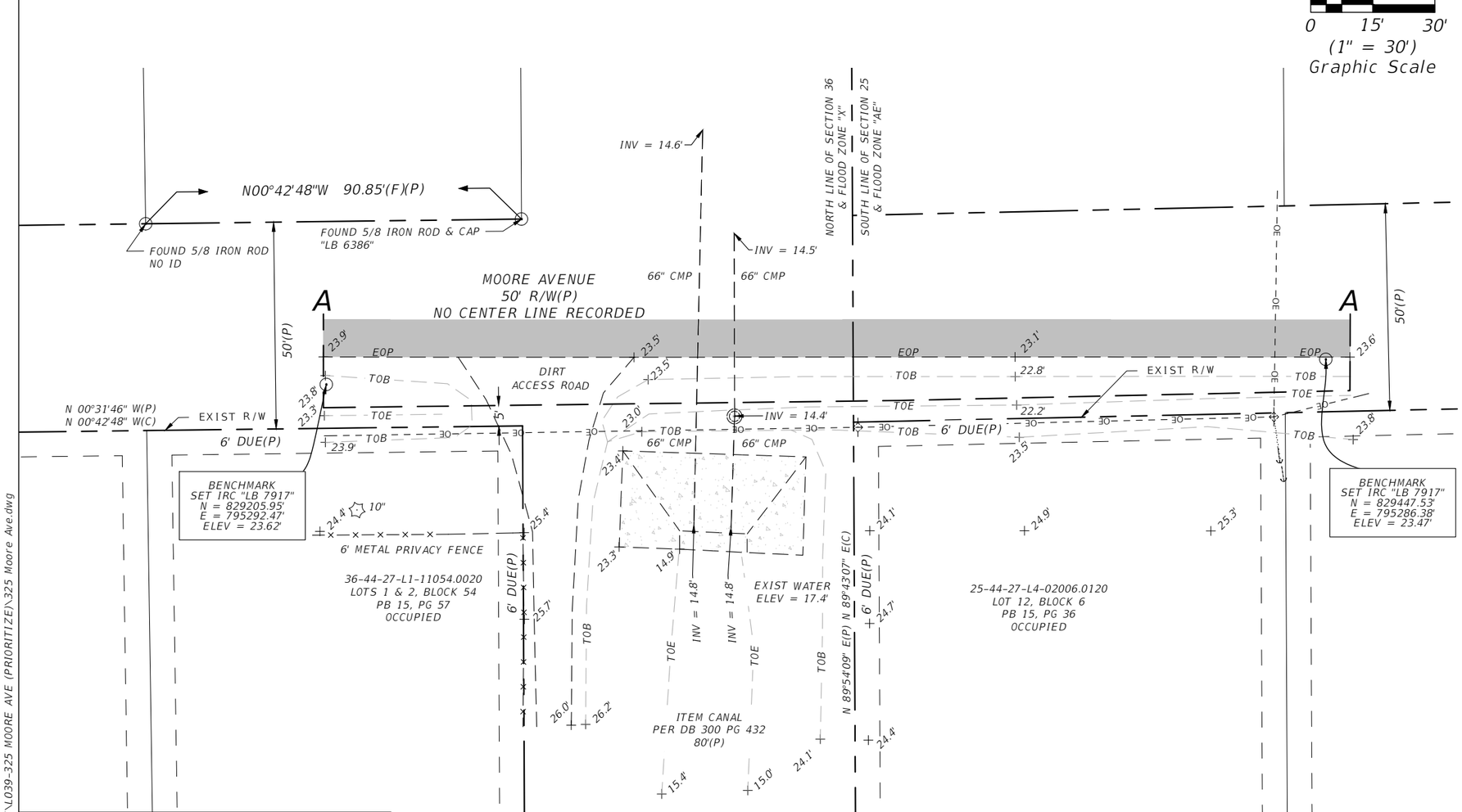
SHEET NUMBER
SP-1B

DRAWING SHEET
6 OF 6

Topographic Survey of a Subject Project Site

lying within

Section 25 & 36, Township 44 South, Range 27 East
Lehigh Acres, Lee County, Florida



NOTES:

Survey based on the plat of Lehigh Acres as recorded in Plat Book 15 Page 01, 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 Moore Avenue between East 5th Street and East 3rd 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 canal right of way lies within Zone "X" per FEMA insurance rate map 12124 0477F (Published 08/28/2008), therefore has no base flood elevation. The area lying within the portion of section 25 lies within flood zone "AE" having a base flood elevation of 24.8 feet (NAVD 88)

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: 12/16/2025

TAYLOR J. HENNINGE License Number 7279 STATE OF FLORIDA Professional Surveyor and Mapper

Taylor Henninge 2026.01.14 16:42:06-05'00'

TAYLOR J. HENNINGE
PROFESSIONAL SURVEYOR AND MAPPER
FLORIDA CERTIFICATE NO. LS# 7279

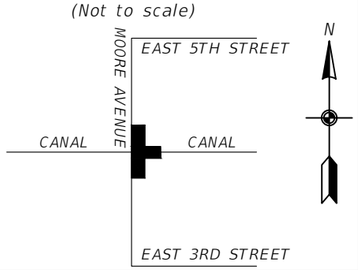
Not valid without the signature and the original seal of a Florida licensed surveyor and mapper.

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.

Moore Avenue, Lehigh Acres



LEGEND:

(P)	= PER PLAT
(F)	= FIELD MEASURED
(C)	= CALCULATED
CB	= CATCH BASIN
Δ	= DELTA ANGLE
℄	= CENTER LINE
CONC	= CONCRETE
CMP	= CORRUGATED METAL PIPE
CPP	= CORRUGATED PLASTIC PIPE
DUE	= DRAINAGE AND UTILITY EASEMENT
ELEV	= ELEVATION
EOP	= EDGE OF PAVEMENT
EXIST	= EXISTING
FIRC	= FOUND IRON ROD AND CAP
INST#	= INSTRUMENT NUMBER
INV	= INVERT ELEVATION
IRC	= IRON ROD AND CAP
N&D	= NAIL AND DISK
NAVD 88	= NORTH AMERICAN VERTICAL DATUM 1988
OR	= OFFICIAL RECORDS BOOK
PB	= PLAT BOOK
PG	= PAGE
R/W	= RIGHT OF WAY
RCP	= REINFORCED CONCRETE PIPE
RNG	= RANGE
S/W	= SIDEWALK
SEC	= SECTION
TOB	= TOP OF BANK
TOE	= TOE OF SLOPE
TWP	= TOWNSHIP
(TYP)	= TYPICAL

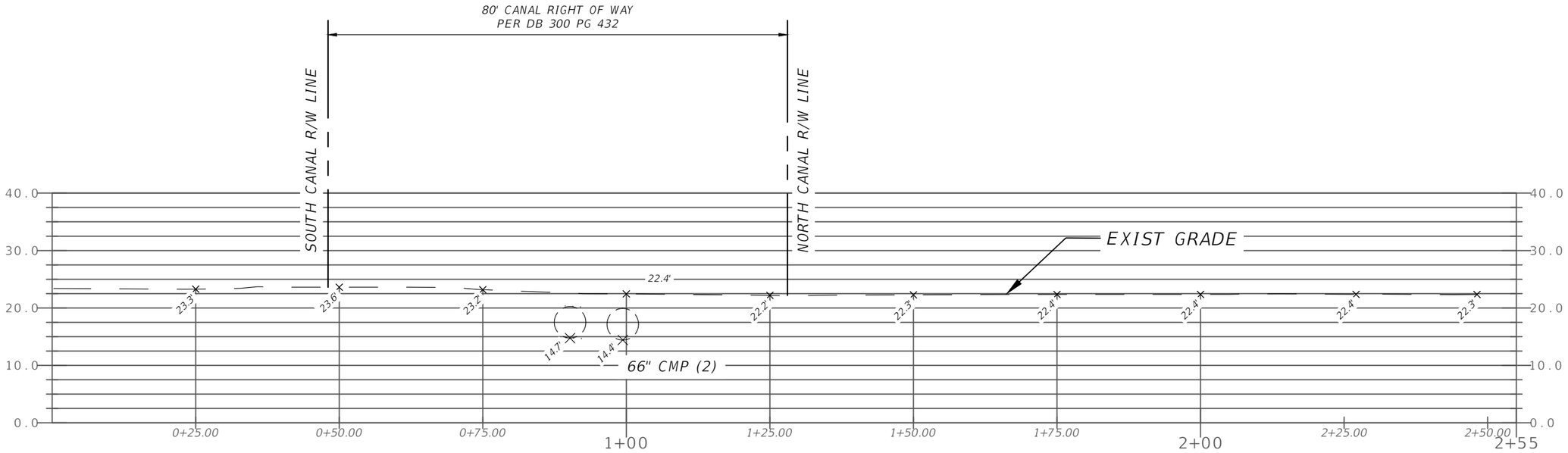
⊙	= FOUND MONUMENT
OE	= OVERHEAD UTILITY LINE
+20.0	= SPOT ELEVATION
	= WIRE PULL BOX
	= SINGLE SUPPORT SIGN
	= GUY ANCHOR
	= POWER POLE
	= STORM MANHOLE
	= VALVE
	= PINE TREE

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: 325 Moore Ave.dwg	Field book/page: 10698-3/18	Project No.: 106980001-L039	
Survey date: 12/16/2025	Drawn by: JRB	Checked by: TJH	Sheet No.: 01 OF 02

Topographic Survey of a
Subject Project Site
Section 25 & 36, 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

Moore 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.:
325 Moore Ave.dwg	10698-3/18	106980001-L039

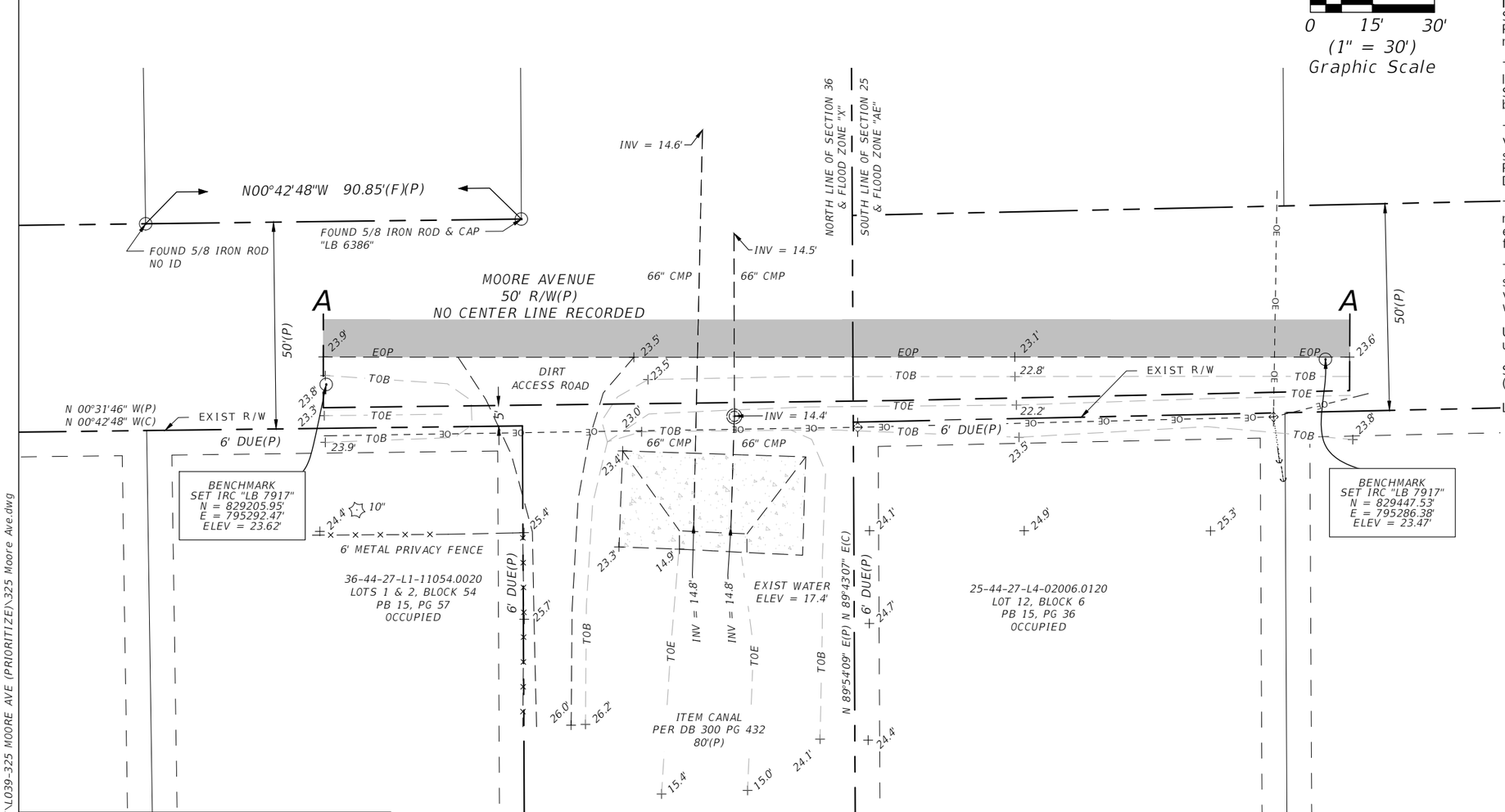
Survey date:	Drawn by:	Checked by:	Sheet No.:
12/16/2025	JRB	TJH	02 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L039-325 MOORE AVE (PRIORITIZE)\325 Moore Ave.dwg

Topographic Survey of a Subject Project Site

lying within

Section 25 & 36, Township 44 South, Range 27 East
Lehigh Acres, Lee County, Florida



NOTES:

Survey based on the plat of Lehigh Acres as recorded in Plat Book 15 Page 01, 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 Moore Avenue between East 5th Street and East 3rd 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 canal right of way lies within Zone "X" per FEMA insurance rate map 12124 0477F (Published 08/28/2008), therefore has no base flood elevation. The area lying within the portion of section 25 lies within flood zone "AE" having a base flood elevation of 24.8 feet (NAVD 88)

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: 12/16/2025

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

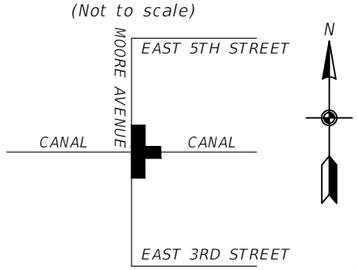
Not valid without the signature and the original seal of a Florida licensed surveyor and mapper.

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.

Location sketch
(Not to scale)



LEGEND:

(P)	= PER PLAT
(F)	= FIELD MEASURED
(C)	= CALCULATED
CB	= CATCH BASIN
Δ	= DELTA ANGLE
℄	= CENTER LINE
CONC	= CONCRETE
CMP	= CORRUGATED METAL PIPE
CPP	= CORRUGATED PLASTIC PIPE
DUE	= DRAINAGE AND UTILITY EASEMENT
ELEV	= ELEVATION
EOP	= EDGE OF PAVEMENT
EXIST	= EXISTING
FIRC	= FOUND IRON ROD AND CAP
INST#	= INSTRUMENT NUMBER
INV	= INVERT ELEVATION
IRC	= IRON ROD AND CAP
N&D	= NAIL AND DISK
NAVD 88	= NORTH AMERICAN VERTICAL DATUM 1988
OR	= OFFICIAL RECORDS BOOK
PB	= PLAT BOOK
PG	= PAGE
R/W	= RIGHT OF WAY
RCP	= REINFORCED CONCRETE PIPE
RNG	= RANGE
S/W	= SIDEWALK
SEC	= SECTION
TOB	= TOP OF BANK
TOE	= TOE OF SLOPE
TWP	= TOWNSHIP
(TYP)	= TYPICAL

⊙	= FOUND MONUMENT
OE	= OVERHEAD UTILITY LINE
+20.0	= SPOT ELEVATION
	= WIRE PULL BOX
	= SINGLE SUPPORT SIGN
	= GUY ANCHOR
	= POWER POLE
	= STORM MANHOLE
	= VALVE
	= PINE TREE

Moore Avenue, Lehigh Acres

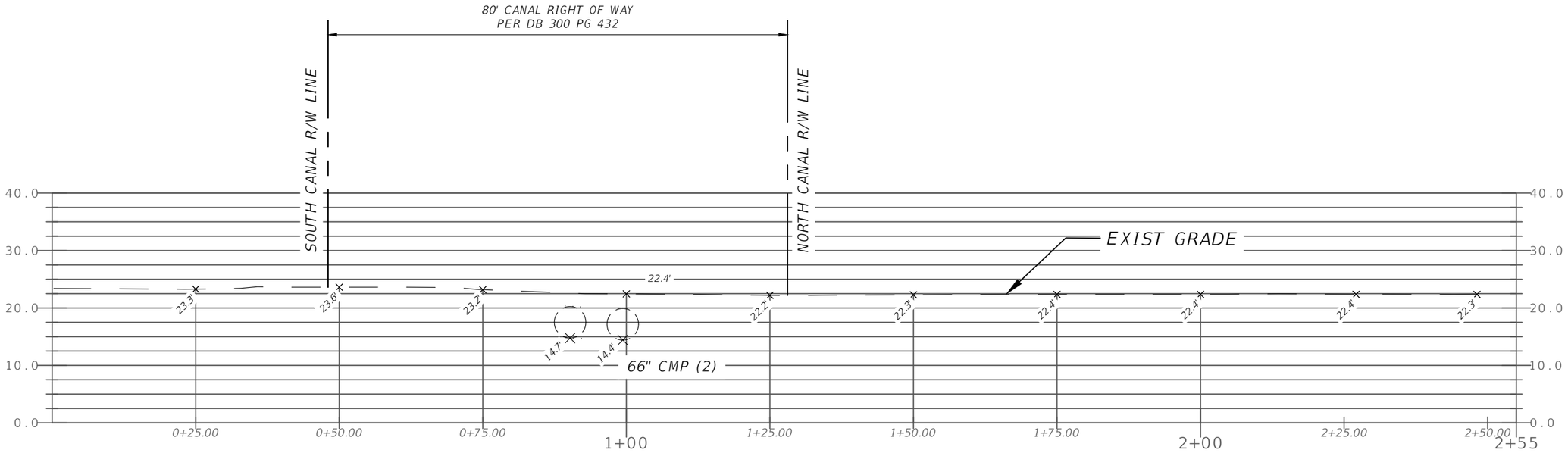
TOPOGRAPHIC SURVEY-PLAN VIEW

McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name: 325 Moore Ave.dwg	Field book/page: 10698-3/18	Project No.: 106980001-L039	
Survey date: 12/16/2025	Drawn by: JRB	Checked by: TJH	Sheet No.: 01 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L039-325 MOORE AVE (PRIORITIZE)\325 Moore Ave.dwg

Topographic Survey of a
Subject Project Site
Section 25 & 36, 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

Moore Avenue, Lehigh Acres

TOPOGRAPHIC SURVEY-PROFILE VIEW

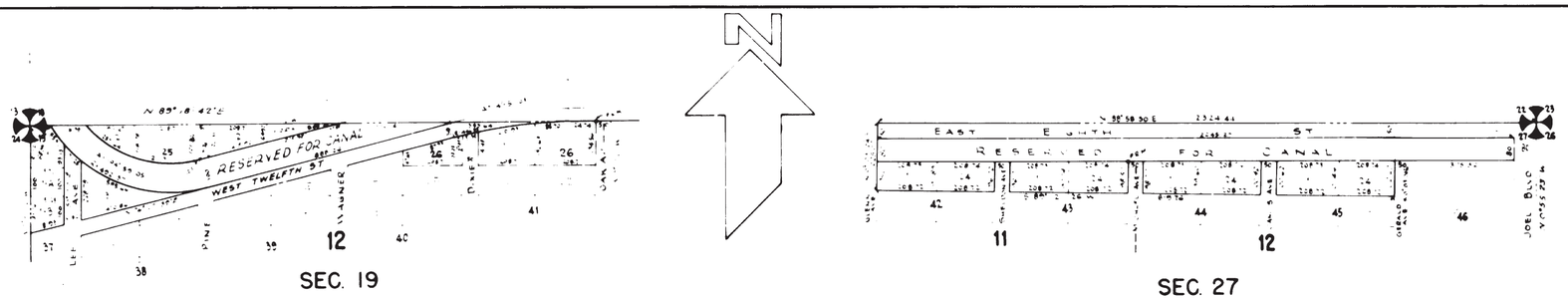
McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name:	Field book/page:	Project No.:
325 Moore Ave.dwg	10698-3/18	106980001-L039

Survey date:	Drawn by:	Checked by:	Sheet No.:
12/16/2025	JRB	TJH	02 OF 02

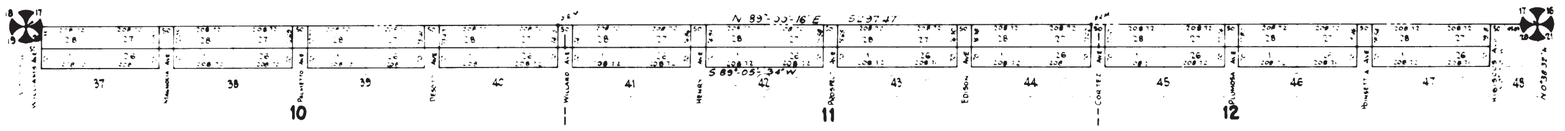
I:\10698\0001\Geomatics\90-WORK ORDERS\L039-325 MOORE AVE (PRIORITIZE)\325 Moore Ave.dwg

PLAT OF PART OF

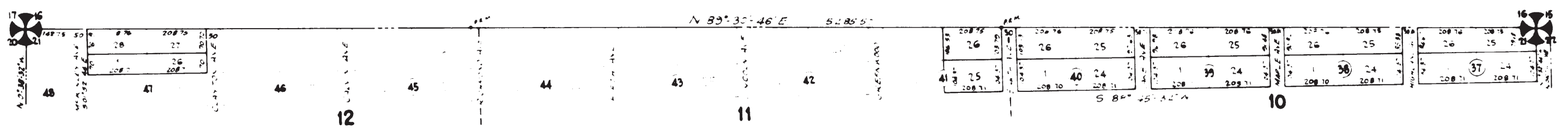


SEC. 19

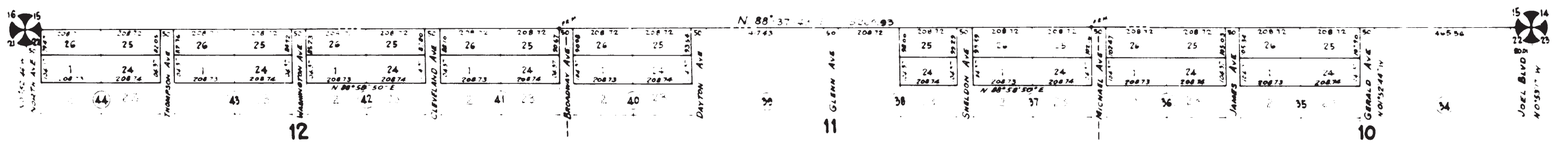
SEC. 27



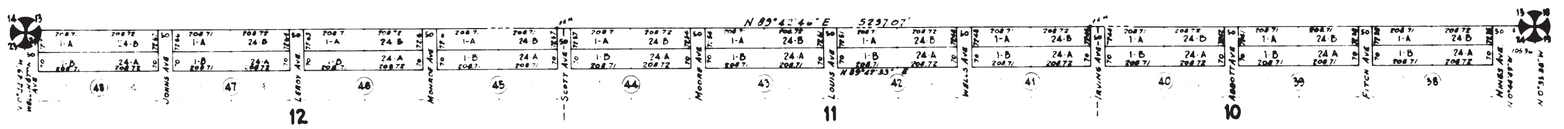
SEC. 20



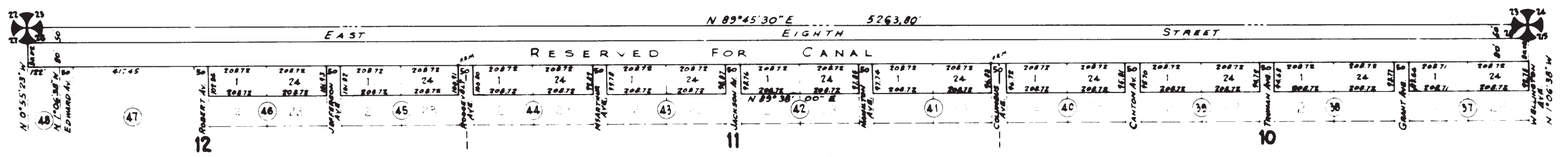
SEC. 21



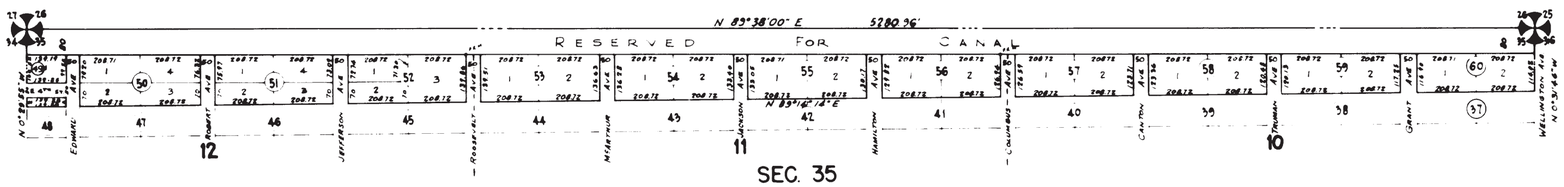
SEC. 22



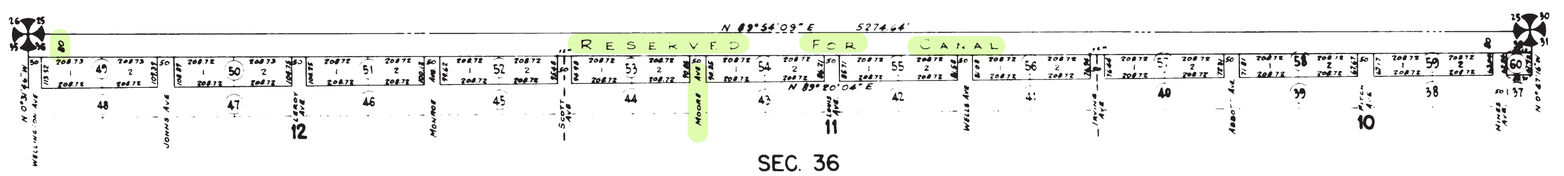
SEC. 24



SEC. 26



SEC. 35



SEC. 36

NOTE:
DIMENSIONS, BEARINGS, LOT AND LAND LINES ON DRAWING OF LATEST DATE SHALL GOVERN.

BLOCKS 37, 38, 39, 40 & 41 UNIT 12
SEC. 19, TWP 44 S., RGE 27 E.

BLOCKS 42 & 43 UNIT 11
BLOCKS 44 & 45 UNIT 12
SEC. 27, TWP 44 S., RGE 27 E.

BLOCKS 37, 38, 39 & 40 UNIT 10
BLOCKS 41, 42, 43 & 44 UNIT 11
BLOCKS 45, 46 & 47 UNIT 12
SEC. 20, TWP 44 S., RGE 27 E.

BLOCKS 37, 38, 39 & 40 UNIT 10
BLOCK 41 UNIT 11
BLOCK 47 UNIT 12
SEC. 21, TWP 44 S., RGE 27 E.

BLOCKS 35 & 36 UNIT 10
BLOCKS 37, 38 & 40 UNIT 11
BLOCKS 41, 42, 43 & 44 UNIT 12
SEC. 22, TWP 44 S., RGE 27 E.

BLOCKS 38, 39 & 40 UNIT 10
BLOCKS 41, 42, 43 & 44 UNIT 11
BLOCKS 45, 46, 47 & 48 UNIT 12
SEC. 24, TWP 44 S., RGE 27 E.

BLOCKS 37, 38, 39 & 40 UNIT 10
BLOCKS 41, 42, 43 & 44 UNIT 11
BLOCKS 45 & 46 UNIT 12
SEC. 26, TWP 44 S., RGE 27 E.

BLOCKS 57, 58, 59 & 60 UNIT 10
BLOCKS 53, 54, 55 & 56 UNIT 11
BLOCKS 49, 50, 51 & 52 UNIT 12
SEC. 35, TWP 44 S., RGE 27 E.

BLOCKS 57, 58 & 59 UNIT 10
BLOCKS 53, 54, 55 & 56 UNIT 11
BLOCKS 49, 50, 51 & 52 UNIT 12
SEC. 36, TWP 44 S., RGE 27 E.

A SUBDIVISION OF

LEHIGH ACRES

LEE COUNTY, FLORIDA

SHOWING DEVELOPMENT OF RESERVED AREAS

LEE COUNTY LAND & TITLE CO., DEVELOPERS

Scale: 0 100 200 300 400

Unit Boundary - - -

March 1959

SURVEYORS CERTIFICATE

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.

Florida Registered Land Surveyor No. 1198

NOTE
All lots subject to a 6' Utility 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

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 Welchle
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 George S. Hunter
Chairman

D. L. Farahee
Clerk

County Attorney

Stacey Bruce
County Road Superintendent

360798

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 46, 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 86°-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 #26-30

Recommended Action

Engineering Review:

By: _____5/7/2026 **Approved _X_ Denied __**

District Field Review:

By: _____ Approved ___ Denied ___

District Manager: _____ Date: _____

Comments:

The referenced permit application for a boring under Item Canal (47-36-2) at Moore Ave , in Lehigh Acres, submitted by Lumos, 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 PERMIT

THIS PERMIT is granted this 18th day of May, 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 Kayak Canal (47-34-1), along the north side of E. 2nd St. between Sebring Cir. & Edward 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. 26-32

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 #26-32 is approved according to the revised plans submitted April 30th, 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' width of 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. 2nd St.

PART I

DATE SUBMITTED: 0 4 - 3 0 - 2 6

PERMIT #: 26 - 32

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_006_FDH_09 - 2305 E 2nd St - Kayak Canal #47-34-1

TOTAL ACREAGE: NA

Property Address (STRAP associated with this address will be used as the primary STRAP for this project): **2305 E 2nd St**					
Mailing Address:	**NA**				
City:	**Lehigh Acres**	**State:**	**FL**	**Zip:**	**33936**

STRAP NUMBERS (attach additional sheet if necessary):

3	5	4	4	2	7	L	1	0	7	0	2	5	.	1	2	0			

Brief description of proposed project:

Application for: Lumos proposes to install (1) 1.25" Conduit(s) with an 80' UG bore utilizing a 2" bore head to cross the Kayak Canal (47-34-1) at E 2nd St within MSID easement boundaries. This application covers the permanent underground installation only

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)**

RECEIVED
APR 30 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	**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:	**Milenium Directional Drilling, Inc**						
Mailing Address:	**Street:**	**5395 Cogswell Dr**					
City:	**Wayne**	**State:**	**MI**		**Zip:**	**48184**	
Phone No.	**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:**	**GA**		**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:	**NA**						
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 April (m), 2026 (y), by William Kiefer who is personally know to me or has produced N/A as identification.

OFFICIAL SEAL
KYLE LEWIS PARKEY
NOTARY PUBLIC - ARIZONA
MARICOPA COUNTY
COMM# 601029
My Comm. Expires December 15, 2029

Kyle Parkey
SIGNATURE OF NOTARY PUBLIC

Kyle Lewis Parkey

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	**The thumb drives only have AutoCAD files of the plans** **Need the survey sheets as well and PDF files of plans and surveys**
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.

GRIDIRON
P.O. BOX 1028
WAYNESBORO, VA 22980

FIFTH THIRD BANK
13-31/420

60002670

02/12/2026

PAY TO THE ORDER OF LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT $ **$1,575.00

one thousand five hundred seventy-five and 00/100********** DOLLARS

VOID IF NOT CASHED IN 90 DAYS

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRI
601 East County Ln
Lehigh Acres FL 33936
United States

MEMO

⑈60002670⑈ ⑆042000314⑆70291001125⑈

GRIDIRON

60002670

02/12/2026 404662 LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

Type	Ref. No.	Date	Description	Orig. Amt.	Amt. Due	Credit	Payment
Bill	33			$1,575.00	$1,575.00		$1,575.00

GRIDIRON

60002670

02/12/2026 404662 LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

Type	Ref. No.	Date	Description	Orig. Amt.	Amt. Due	Credit	Payment
Bill	33			$1,575.00	$1,575.00		$1,575.00

Permit # 26-32

Scanned with CamScanner

GRIDIRON
P.O. BOX 1028
WAYNESBORO, VA 22980

FIFTH THIRD BANK
13-31/420

60002730

03/05/2026

PAY TO THE ORDER OF LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT $ **$375.00

three hundred seventy-five and 00/100**********DOLLARS

VOID IF NOT CASHED IN 90 DAYS

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRI
601 East County Ln
Lehigh Acres FL 33936
United States

MEMO

MP

⑈60002730⑈ ⑆042000314⑆70291001125⑈

GRIDIRON 60002730

03/05/2026 404662 LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

Type	Ref. No.	Date	Description	Orig. Amt.	Amt. Due	Credit	Payment
Bill	26-32			$375.00	$375.00		$375.00

Permit #26-32

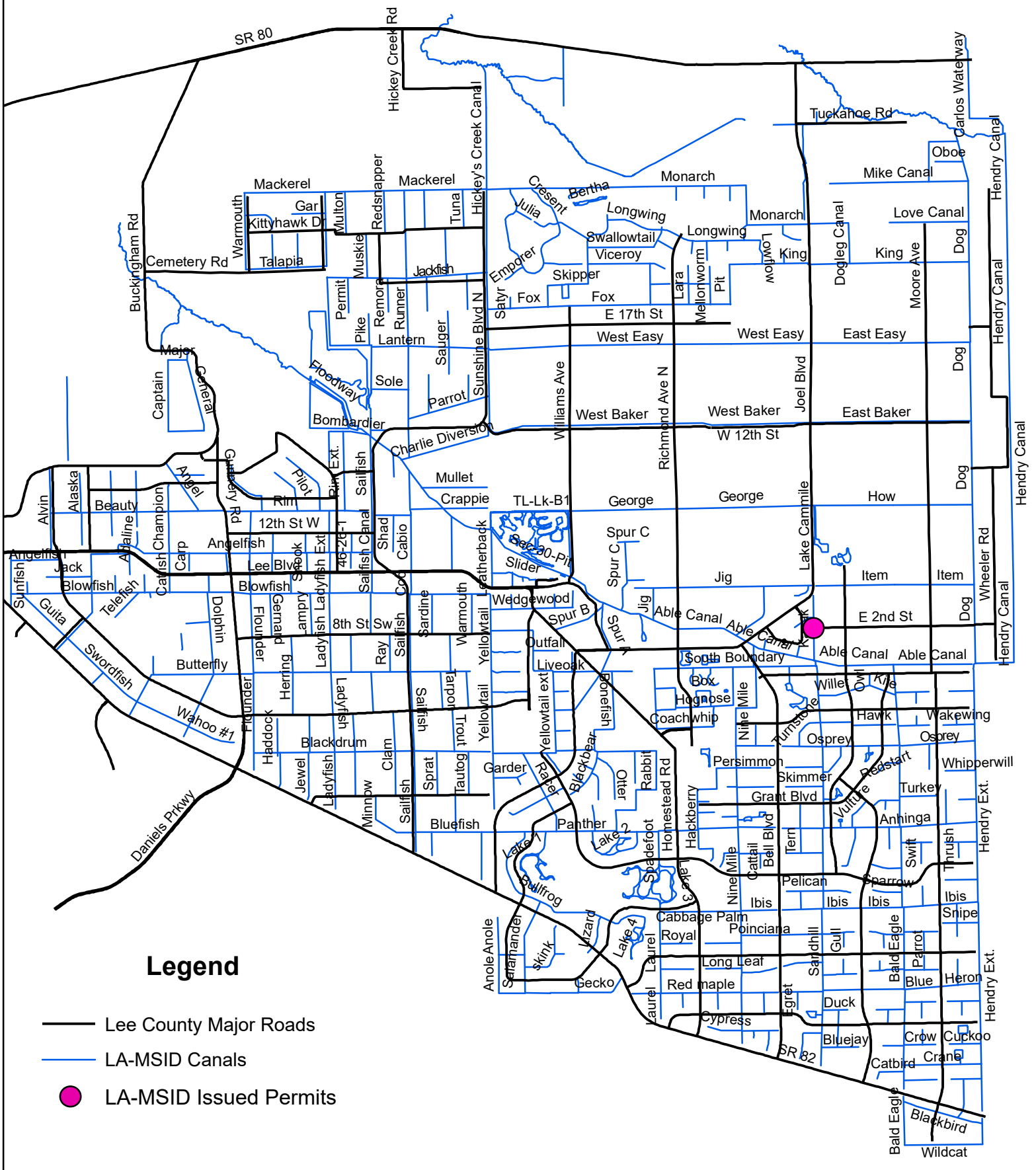
GRIDIRON 60002730

03/05/2026 404662 LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

Type	Ref. No.	Date	Description	Orig. Amt.	Amt. Due	Credit	Payment
Bill	26-32			$375.00	$375.00		$375.00

RECEIVED
MAR 09 2026
LEHIGH ACRES
MUNICIPAL SERVICES
IMPROVEMENT DISTRICT

Permit # 2026-32



Legend

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

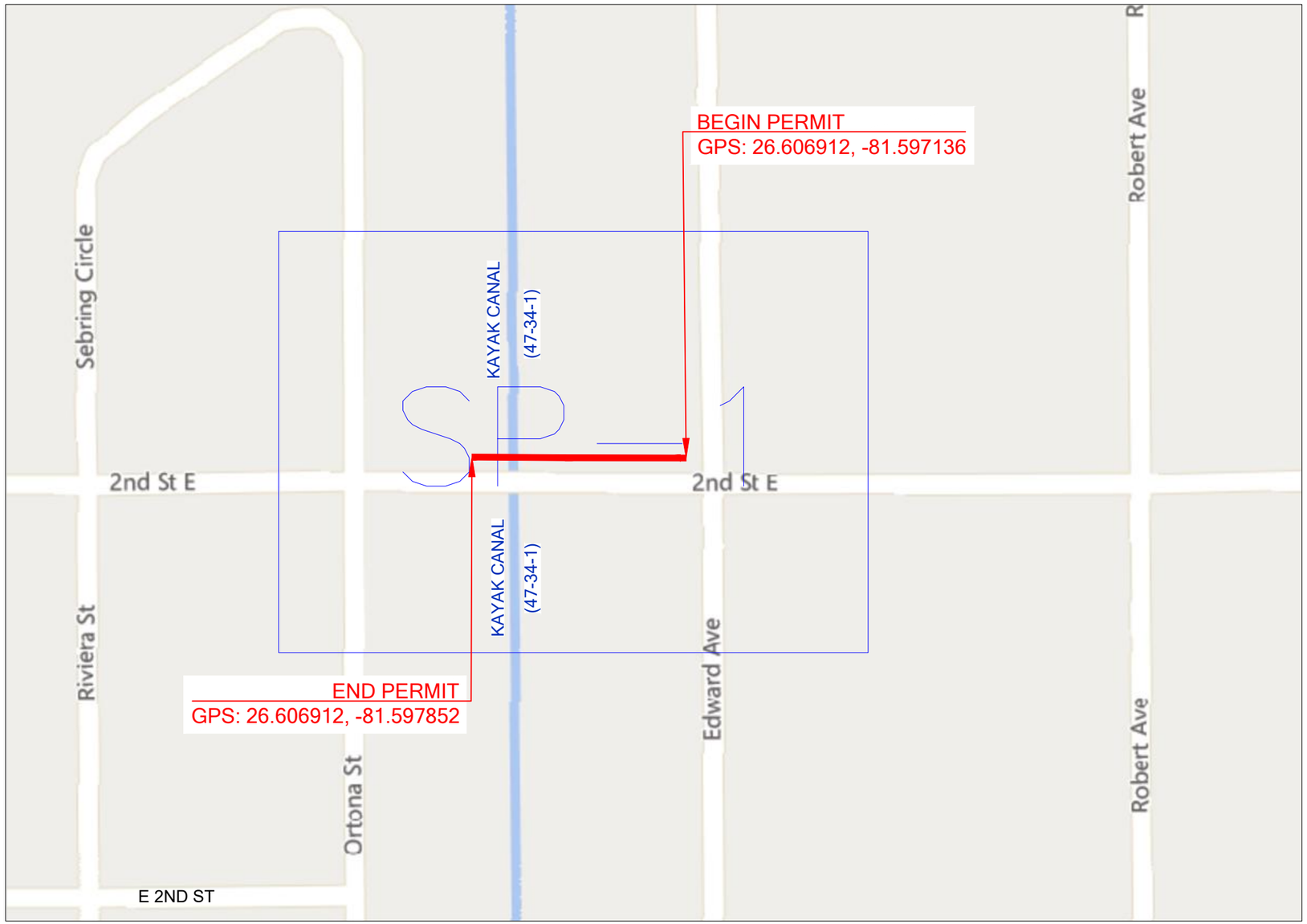
LUMOS NETWORKS
JOB NUMBER: R0LEEFL-006-09
ROUTE NAME: LE1_006_FDH_09

LUMOS PROPOSED FIBER OPTIC NETWORK PLACEMENT

CONSTRUCTION METHOD	FOOTAGE
UNDERGROUND	80′
AERIAL	0'

TOTAL PROPOSED FOOTAGE = 80′

INDEX TO SHEET	
SHEET	TITLE
CV-1	LOCATION MAP
GN-1	LEGEND
GN-2	GENERAL NOTES AND CONSTRUCTION NOTE
SP-1	CONSTRUCTION PLANS
SP-A	PROFILE VIEW
SP-B	IMAGES



INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

PREPARED BY:6030 BETHELVIEW RD,SUITE #301
CUMMING, GA 30040.USA

PROJECT INFORMATION	
SITE NAME:	LE1_006_FDH_09
SITE ADDRESS:	123 EDWARD ST
COUNTY:	LEE
APPROVER:	

SUBMITTAL INFORMATION			
REV	DATE	DESCRIPTION	INIT
0	02/19/2026	PERMIT DRAWING	CENT
1	03/11/2026	PERMIT DRAWING	CENT
2	03/26/2026	PERMIT DRAWING	CENT
3	04/10/2026	PERMIT DRAWING	CENT
4	04/14/2026	PERMIT DRAWING	CENT

CONSTRUCTION NOTES:

N

SHEET TITLE
LOCATION MAP

SHEET NUMBER
CV-1

DRAWING SHEET
1 OF 6

LUMOS:

NAME: JASON BUSH
CELL: (850)428 - 1313

UTILITIES:

FL811 (800-432-4770)

CENTILLION:

CRAIG BLACK - PROJECT MANAGER
(CELL)720-597-5320

PERMITS:

LEHIGH ACRES MSID - PERMIT NUMBER / DATE: TBD

LINETYPE LEGEND

EOP	= EX. EDGE OF PAVEMENT
C/L	= EX. CENTER LINE
R/W	= EX. RIGHT OF WAY
ESMT	= EX. EASEMENT
	= EX. PROPERTY LINE
	= EX. BUILDING EDGE
OHF OHF	= EX. OVERHEAD FIBER
BFO BFO	= EX. BURIED FIBER
EX_STRAND	= EX. STRAND
	= EX. FENCE
GR GR	= EX. GUARDRAIL
	= RAILROAD
DB	= DIRECTIONAL BORE
	= WATER BODY
	= CULVERT
OHF OHF	= PROP. OVERHEAD FIBER
BFO BFO	= PROP. BURIED FIBER
	= PROP. CONDUIT
Strand Strand	= PROP. STRAND
	= PROP. MULTIPORT TAIL
SD	= STORM DRAINAGE
SS	= SEWER LINE
W	= WATER LINE
T	= TELCO LINE
TV	= CABLE TV LINE
E	= ELECTRIC LINE
TRAFF	= TRAFFIC LINE
G	= GAS LINE
	= DITCH LINE

SYMBOL LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	PROPOSED ANCHOR & GUY		DUCT COUNT
	FOREIGN/EXISTING ANCHOR & GUY		FIRE HYDRANT
	MGNV		WATER VALVE / METER
	JOINT USE POLE	W	WATER MANHOLE
	POWER POLE	S	SEWER MANHOLE
	COMMUNICATION POLE	SD	STORM MANHOLE
S	STEEL POLE		STORM INLET / CATCH BASIN
	CATV POLE	G	GAS VALVE / METER
	PROPOSED POLE	P	ELECTRIC MANHOLE
R	RISER	P	ELECTRIC HANDHOLE
	PROPOSED STORAGE LOOP		STREET LIGHT
	FIBER SPLICE	ELEC BOX	BURIED TRANSFORMER
	MIDSHEATH SPLICE	TRAF	TRAFFIC HANDHOLE
	TO C.O.		TRAFFIC POLE / SIGNAL
SPLT	SPLITTER HANDHOLE (13"X24"X18")	T	TELCO MANHOLE
SM	SMALL HANDHOLE (17"X30"X24")	TL	TELCO HANDHOLE
MED	MEDIUM HANDHOLE (24"X36"X24")	T	TELCO PEDESTAL
LHH	LARGE HANDHOLE (30"X48"X24")	CV	CABLE TV HANDHOLE
HH	EXISTING HANDHOLE	CV	CABLE TV PEDESTAL
P	PROPOSED PEDESTAL	1X8	PROPOSED 1x8 SPLITTER
P	EXISTING PEDESTAL	1X4	PROPOSED 1x4 SPLITTER
	PROPOSED FP		SIGN
3	TREE		BORE PIT

lumos™
INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

PREPARED BY:6030 BETHELVIEW RD,SUITE #301
CUMMING, GA 30040.USA
CENTILLION SOLUTIONS

PROJECT INFORMATION	
SITE NAME:	LE1_006_FDH_09
SITE ADDRESS:	123 EDWARD ST
COUNTY:	LEE
APPROVER:	

SUBMITTAL INFORMATION			
REV	DATE	DESCRIPTION	INIT
0	02/19/2026	PERMIT DRAWING	CENT
1	03/11/2026	PERMIT DRAWING	CENT
2	03/26/2026	PERMIT DRAWING	CENT
3	04/10/2026	PERMIT DRAWING	CENT
4	04/14/2026	PERMIT DRAWING	CENT

CONSTRUCTION NOTES:

N

SHEET TITLE
LEGEND

SHEET NUMBER
GN-1

DRAWING SHEET
2 OF 6

AERIAL & U/G NOTES

ALL PROPOSED CONSTRUCTION WILL BE PER FDOT SPECIFICATIONS AS WELL AS ALL NESC SAFETY CODES.

ALL PROPOSED CATV WILL BE WITHIN THE FDOT RIGHT-OF-WAY.

ALL AERIAL CANAL RIGHT-OF-WAY CROSSINGS MUST BE A MINIMUM 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 BURIED A MINIMUM OF 40" 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 PARALLEL 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 FDOT RIGHT-OF-WAY.

ALL WORK PERFORMED WITHIN THE FDOT RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH FDOT 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.

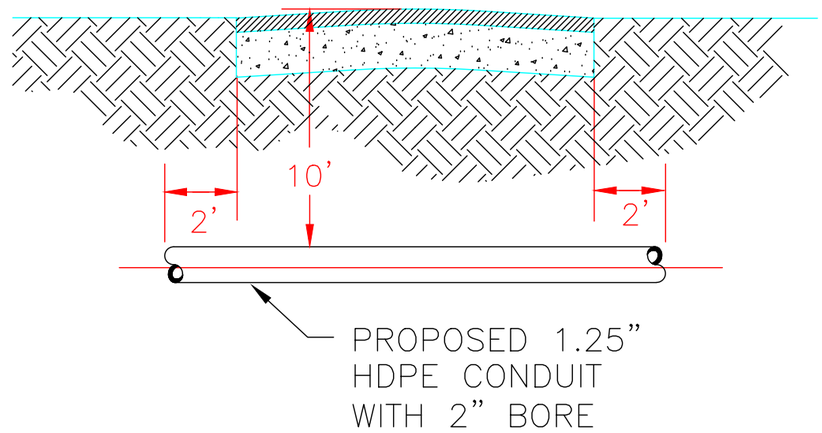
IT WILL BE THE RESPONSIBILITY OF THE PERMITTEE TO REPAIR ANY DAMAGE TO FDOT FACILITIES CAUSED BY THE CONSTRUCTION OF THE PROJECT.

ALL CONCRETE SHALL BE 3,000 PSI. APPROVED FDOT MIX DESIGN.

UTILITIES CONTACT

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT
MICHAEL COOK
(239) 366-0044 Ext. 16
MCOOK@LA-MSID.COM
STORM WATER/CANALS

LUMOS
JASON BUSH
CONSTRUCTION MANAGER
(JASON.BUSH@LUMOSFIBER.COM)
941-812-2913



TYPICAL DRIVEWAY DIRECTIONAL BORE

N.T.S.

MOT NOTES

TRAFFIC CONTROL SHALL COMPLY WITH FEDERAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND F.D.O.T. DESIGN STANDARD #NO. 600.

lumos™
INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

PREPARED BY:6030 BETHELVIEW RD,SUITE #301
CUMMING, GA 30040.USA
CENTILLION SOLUTIONS

PROJECT INFORMATION	
SITE NAME:	LE1_006_FDH_09
SITE ADDRESS:	123 EDWARD ST
COUNTY:	LEE
APPROVER:	

SUBMITTAL INFORMATION			
REV	DATE	DESCRIPTION	INIT
0	02/19/2026	PERMIT DRAWING	CENT
1	03/11/2026	PERMIT DRAWING	CENT
2	03/26/2026	PERMIT DRAWING	CENT
3	04/10/2026	PERMIT DRAWING	CENT
4	04/14/2026	PERMIT DRAWING	CENT

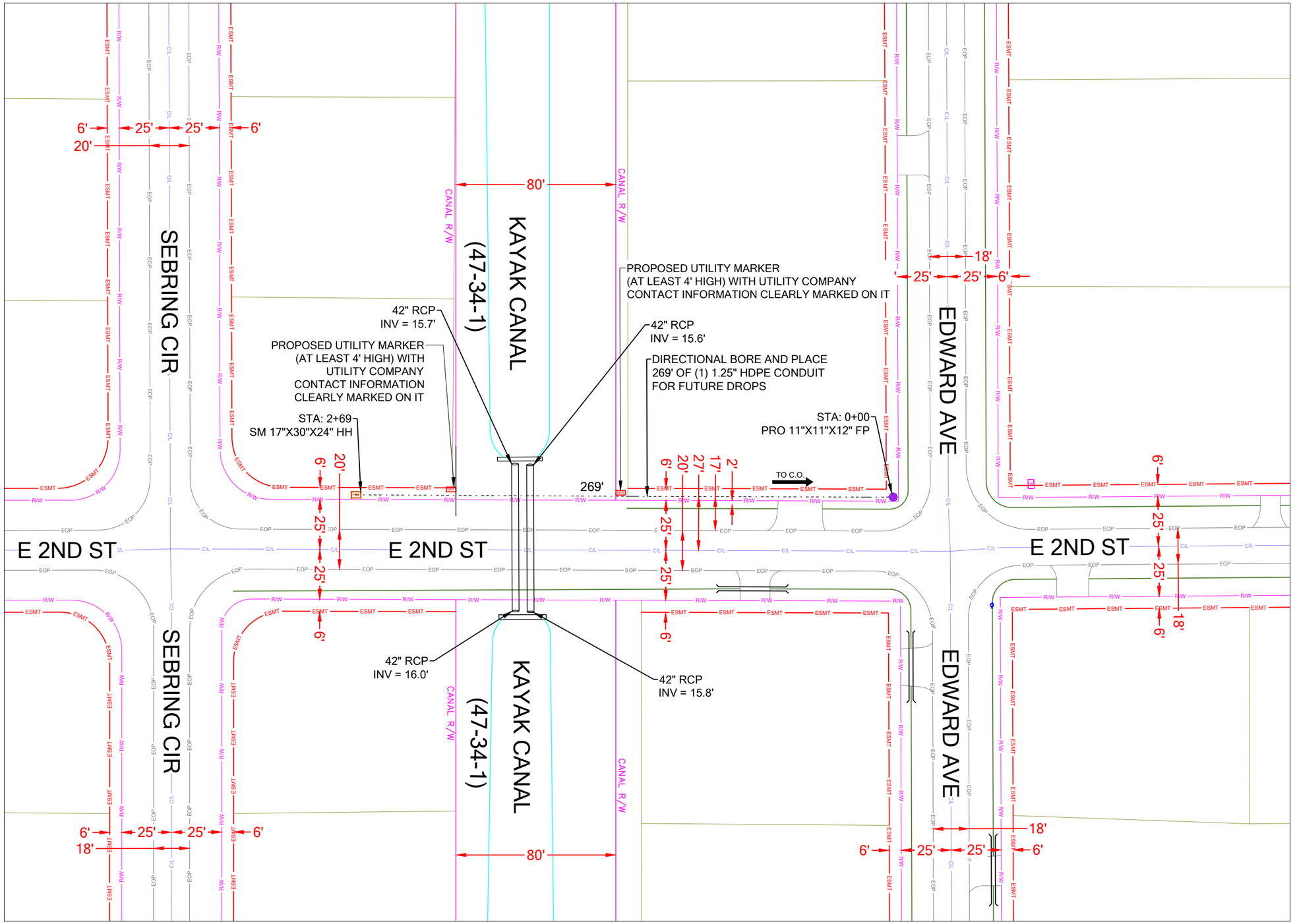
CONSTRUCTION NOTES:

N

SHEET TITLE
GENERAL NOTES

SHEET NUMBER
GN-2

DRAWING SHEET
3 OF 6

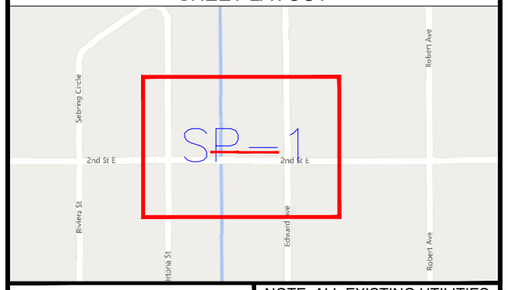


CONSTRUCTION NOTES

(1) 1.25" CONDUIT WITH 2" BORE.

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.

SHEET LAYOUT



NOTE: LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION.

NOTE: ALL EXISTING UTILITIES PLACED ON PRINTS FOR REFERENCE ONLY. (NOT TO SCALE)

Sunshine811

lumos™
INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

PREPARED BY: 6030 BETHELVIEW RD, SUITE #301 CUMMING, GA 30040. USA
CENTILLION SOLUTIONS

PROJECT INFORMATION	
SITE NAME:	LE1_006_FDH_09
SITE ADDRESS:	123 EDWARD ST
COUNTY:	LEE
APPROVER:	

0' 25' 50'
SCALE: 1"=50'

SUBMITTAL INFORMATION			
REV	DATE	DESCRIPTION	INIT
0	02/19/2026	PERMIT DRAWING	CENT
1	03/11/2026	PERMIT DRAWING	CENT
2	03/26/2026	PERMIT DRAWING	CENT
3	04/10/2026	PERMIT DRAWING	CENT
4	04/14/2026	PERMIT DRAWING	CENT

CONSTRUCTION NOTES:

BORE ALL BURIED ROUTES
. MIN DEPTH OF 36"
. ALL CABLE PLACED IN 1.25" HDPE 2' OFF ROW UNLESS SPECIFIED
. SIDEWALKS TO BE REPLACED JOINT TO JOINT
. PLACED AT BACK OF ROW

SHEET TITLE
CONSTRUCTION PLANS

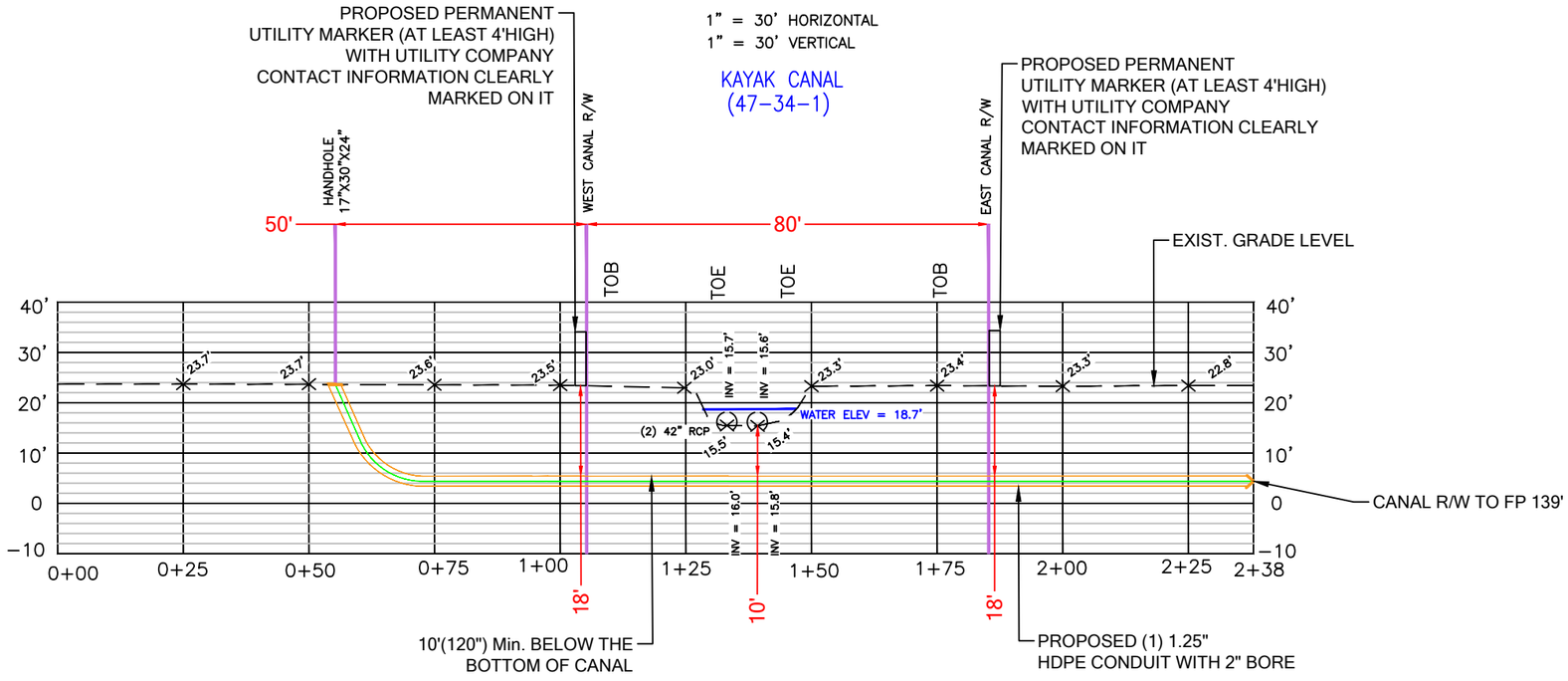
SHEET NUMBER
SP-1

DRAWING SHEET
4 OF 6

U/G CANAL CROSS PROFILE VIEW

1" = 30' HORIZONTAL
1" = 30' VERTICAL

KAYAK CANAL
(47-34-1)



CONSTRUCTION NOTES

(1) 1.25" CONDUIT WITH 2" BORE.

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.

SHEET LAYOUT



NOTE: LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION.

NOTE: ALL EXISTING UTILITIES PLACED ON PRINTS FOR REFERENCE ONLY. (NOT TO SCALE)

Sunshine 811

lumos™
INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

PREPARED BY: 6030 BETHELVIEW RD, SUITE #301 CUMMING, GA 30040. USA
CENTILLION SOLUTIONS

PROJECT INFORMATION

SITE NAME:	LE1_006_FDH_09
SITE ADDRESS:	123 EDWARD ST
COUNTY:	LEE
APPROVER:	

0' 15' 30'
SCALE: 1"=30'

SUBMITTAL INFORMATION

REV	DATE	DESCRIPTION	INIT
0	02/19/2026	PERMIT DRAWING	CENT
1	03/11/2026	PERMIT DRAWING	CENT
2	03/26/2026	PERMIT DRAWING	CENT
3	04/10/2026	PERMIT DRAWING	CENT
4	04/14/2026	PERMIT DRAWING	CENT

CONSTRUCTION NOTES:

BORE ALL BURIED ROUTES
. MIN DEPTH OF 36"
. ALL CABLE PLACED IN 1.25" HDPE 2' OFF ROW UNLESS SPECIFIED
. SIDEWALKS TO BE REPLACED JOINT TO JOINT
. PLACED AT BACK OF ROW

SHEET TITLE
CONSTRUCTION PLANS

SHEET NUMBER
SP-1A

DRAWING SHEET
5 OF 6



BORE CROSSING
KAYAK CANAL
(47-34-1)

lumos™
INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

PREPARED BY:6030 BETHELVIEW RD,SUITE #301
CUMMING, GA 30040.USA

CENTILLION SOLUTIONS

PROJECT INFORMATION	
SITE NAME:	LE1_006_FDH_09
SITE ADDRESS:	123 EDWARD ST
COUNTY:	LEE
APPROVER:	

SUBMITTAL INFORMATION			
REV	DATE	DESCRIPTION	INIT
0	02/19/2026	PERMIT DRAWING	CENT
1	03/11/2026	PERMIT DRAWING	CENT
2	03/26/2026	PERMIT DRAWING	CENT
3	04/10/2026	PERMIT DRAWING	CENT
4	04/14/2026	PERMIT DRAWING	CENT

CONSTRUCTION NOTES:

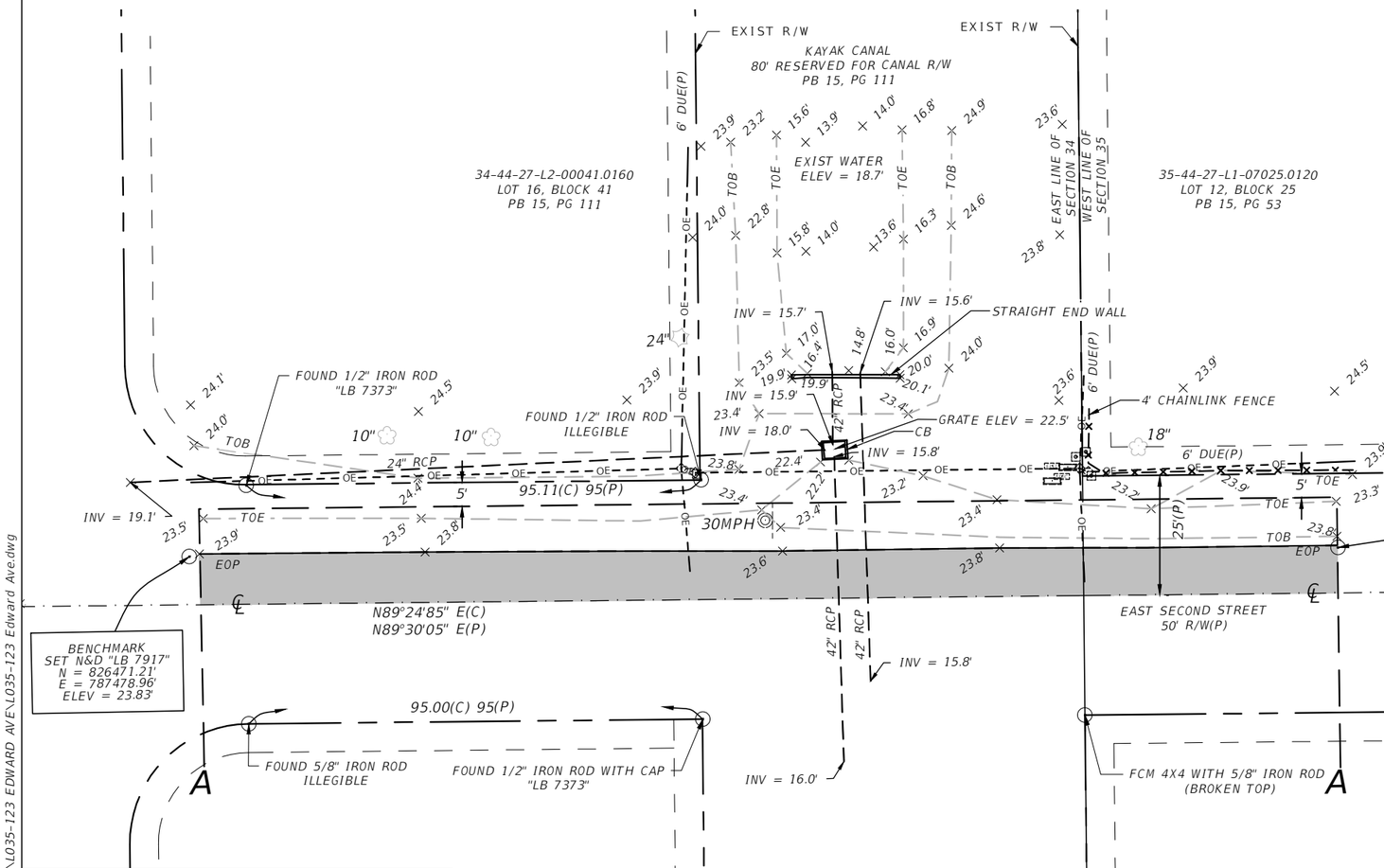
N

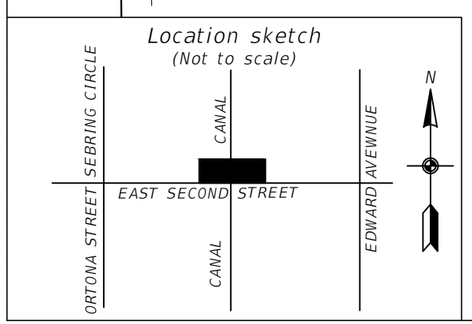
SHEET TITLE
IMAGE

SHEET NUMBER
SP-1B

DRAWING SHEET
6 OF 6

SEE SHEET 02 FOR 1" = 20'
SECTION A-A PROFILE VIEW





LEGEND:

(P)	= PER PLAT	FCM	= FOUND CONCRETE MONUMENT
(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
= METER ELECTRIC
= JUNCTION BOX
= ELECTRICAL POLE
= PINE TREE
= UNKNOWN TREE

N
0 15' 30'
(1" = 30')
Graphic Scale

Topographic Survey of a Subject Project Site

LYING WITHIN

Sections 34 & 35, Township 44 South, Range 27 East
Lehigh Acres, Lee County, Florida

NOTES:
Survey based on the plat of Country Club Estates as recorded in Plat Book 15 Page 111 and plat of Section 35 as recorded in Plat Book 15 Page 53, 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 North of East Second Street between Edward Avenue and Sebring Circle.

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 0476F (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: 12/06/2025

TAYLOR J. HENNINGE
License Number
7279
STATE OF FLORIDA
Professional Surveyor and Mapper

Taylor Henninge 2026.01.14 09:21:34-05'00'

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.

East 2nd Street, Lehigh Acres

TOPOGRAPHIC SURVEY-PLAN VIEW

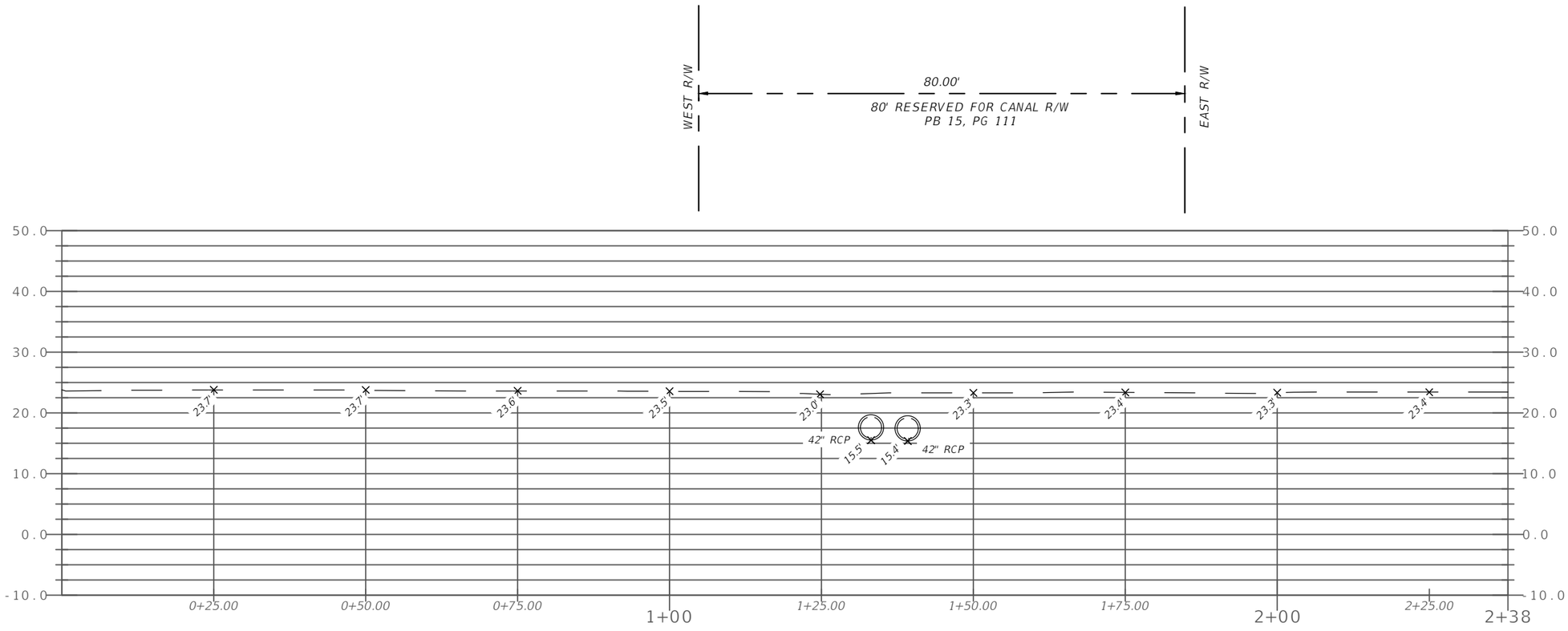
McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name:	Field book/page:	Project No.:
L035-123 Edward Ave.dwg	106981-3/21	106980001-L035

Survey date:	Drawn by:	Checked by:	Sheet No.:
12/06/2025	KB	TJH	01 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L035-123 EDWARD AVE\L035-123 Edward Ave.dwg

Topographic Survey of a
Subject Project Site
Sections 34 & 35, 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 2nd Street, Lehigh Acres

TOPOGRAPHIC SURVEY-PROFILE VIEW

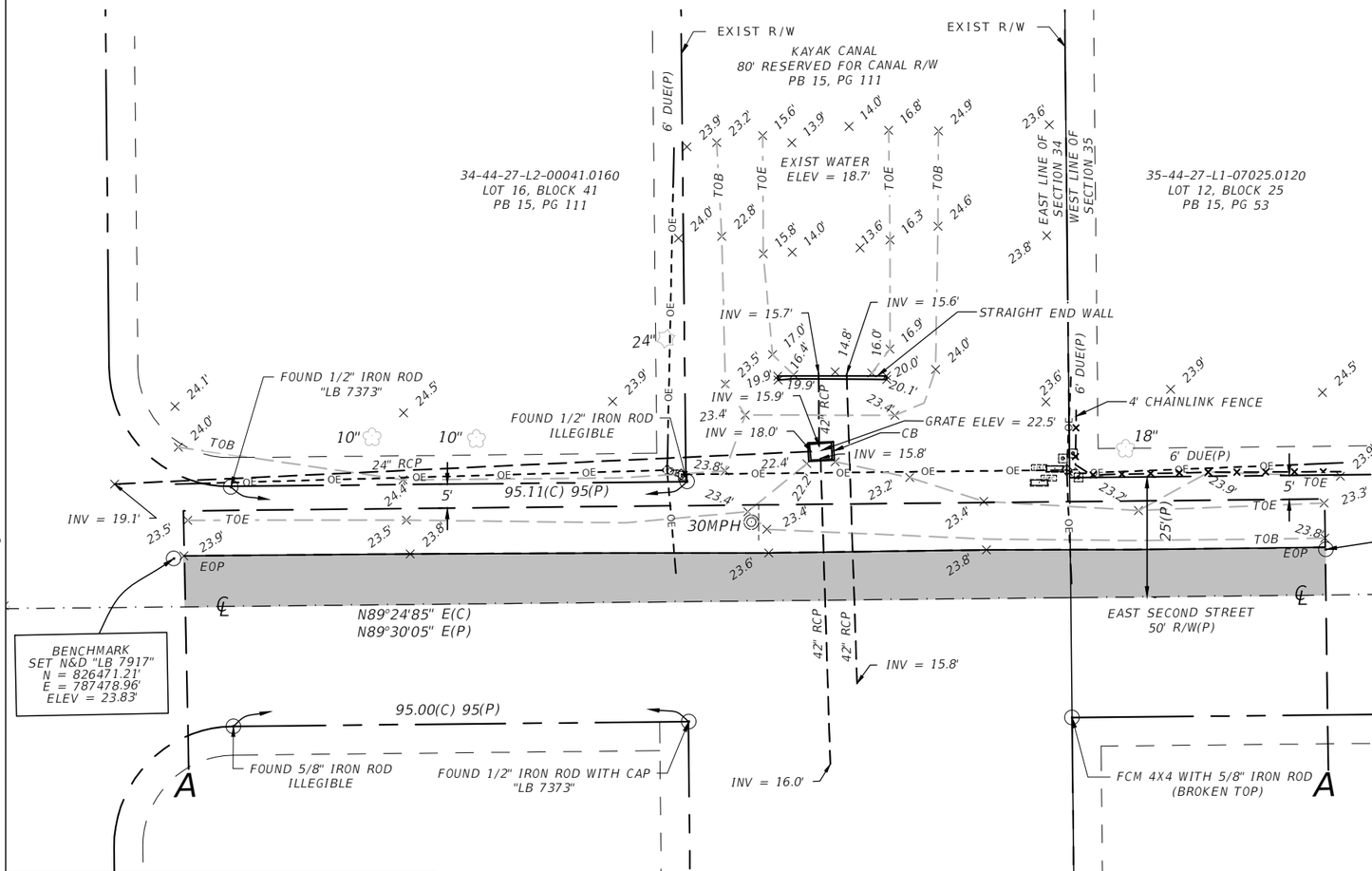
McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

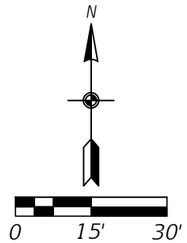
File name:	Field book/page:	Project No.:
L035-123 Edward Ave.dwg	106981-3/21	106980001-L035

Survey date:	Drawn by:	Checked by:	Sheet No.:
12/06/2025	KB	TJH	02 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L035-123 EDWARD AVE\L035-123 Edward Ave.dwg

SEE SHEET 02 FOR 1" = 20'
SECTION A-A PROFILE VIEW





Topographic Survey of a Subject Project Site

lying within

Sections 34 & 35, Township 44 South, Range 27 East
Lehigh Acres, Lee County, Florida

NOTES:

Survey based on the plat of Country Club Estates as recorded in Plat Book 15 Page 111 and plat of Section 35 as recorded in Plat Book 15 Page 53, 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 North of East Second Street between Edward Avenue and Sebring Circle.

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.

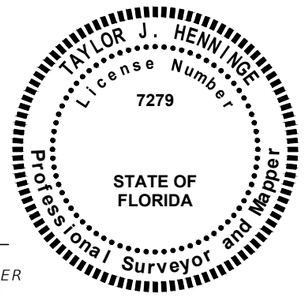
The subject site lies within Zone "X" per FEMA insurance rate map 125124 0476F (Published 08/28/2008), therefore has no base flood elevation.

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: 12/06/2025



TAYLOR J. HENNINGE
PROFESSIONAL SURVEYOR AND MAPPER
FLORIDA CERTIFICATE NO. LS# 7279

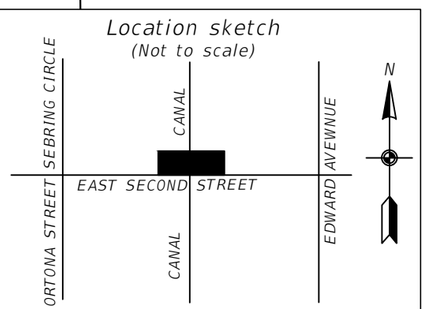
Not valid without the signature and the original seal of a Florida licensed surveyor and mapper.

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.

East 2nd Street, Lehigh Acres



LEGEND:

(P)	= PER PLAT	FCM	= FOUND CONCRETE MONUMENT
(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
= METER ELECTRIC
= JUNCTION BOX
= ELECTRICAL POLE
= PINE TREE
= UNKNOWN TREE

TOPOGRAPHIC SURVEY-PLAN VIEW

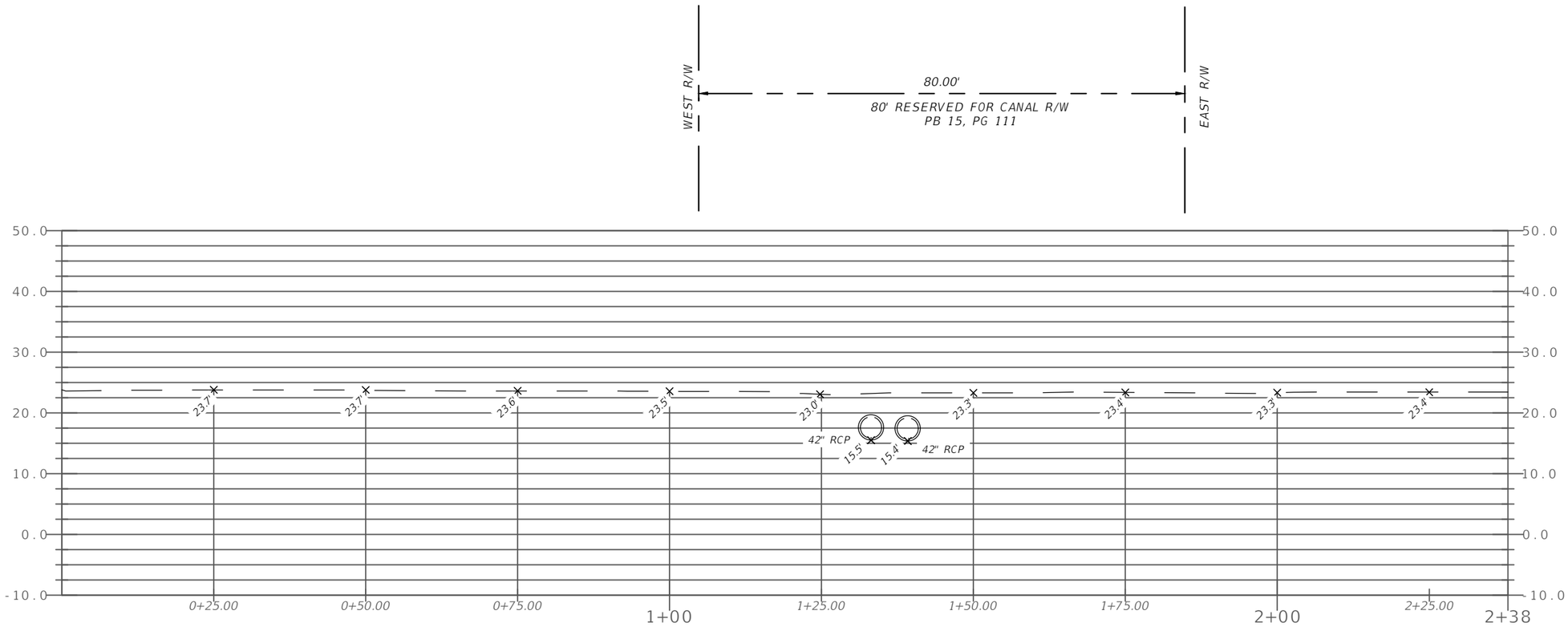
McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name:	Field book/page:	Project No.:
L035-123 Edward Ave.dwg	106981-3/21	106980001-L035

Survey date:	Drawn by:	Checked by:	Sheet No.:
12/06/2025	KB	TJH	01 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L035-123 EDWARD AVE\L035-123 Edward Ave.dwg

Topographic Survey of a
Subject Project Site
Sections 34 & 35, 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 2nd Street, Lehigh Acres

TOPOGRAPHIC SURVEY-PROFILE VIEW

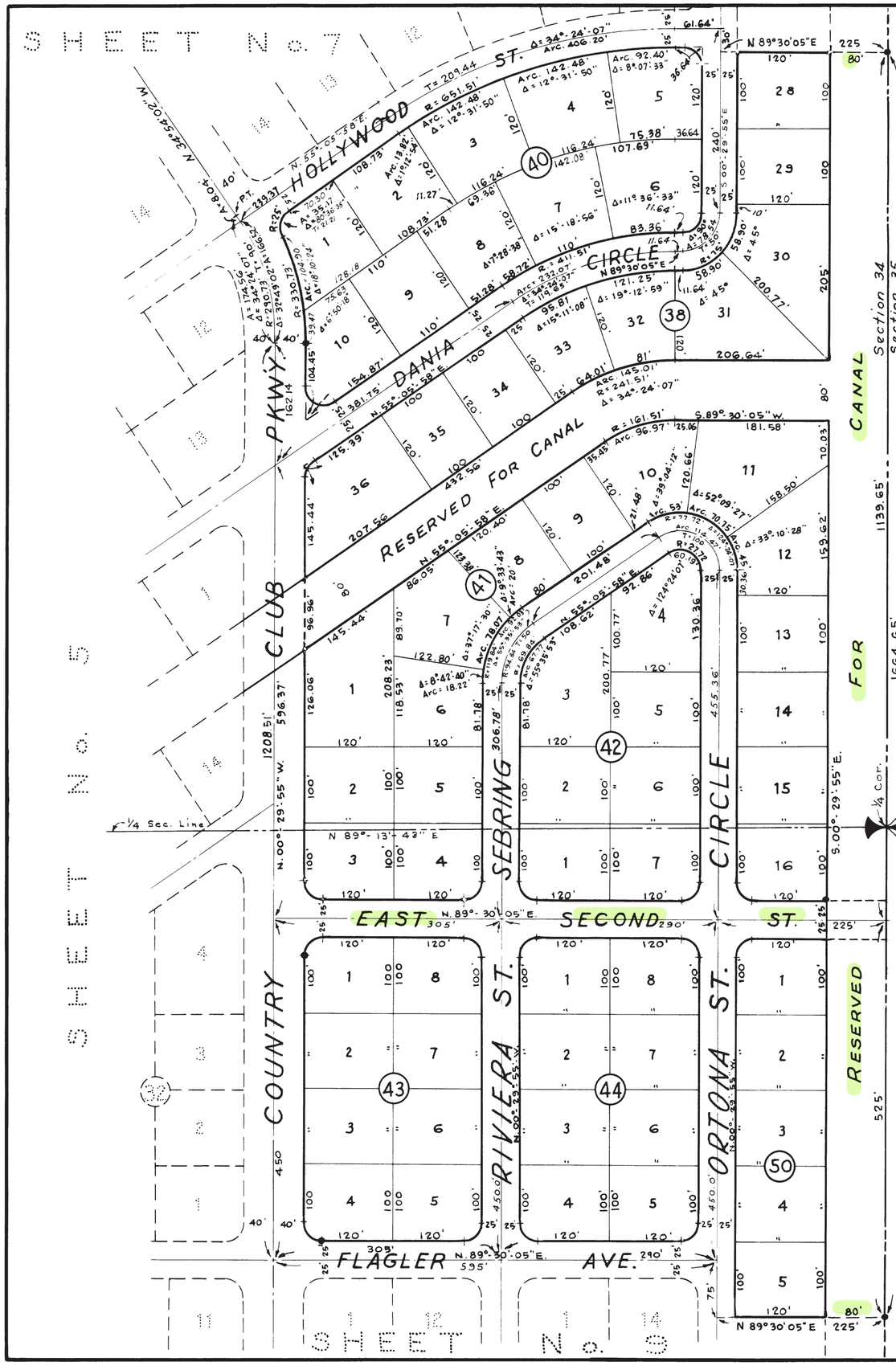
McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name:	Field book/page:	Project No.:
L035-123 Edward Ave.dwg	106981-3/21	106980001-L035

Survey date:	Drawn by:	Checked by:	Sheet No.:
12/06/2025	KB	TJH	02 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L035-123 EDWARD AVE\L035-123 Edward Ave.dwg

PLAT BOOK 15 PAGE 111



COUNTRY CLUB ESTATES

SECTION 34, 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 Drainage and Utility Easement both sides, front and back.

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 to be dedicated to East County Water Control District.

PART IV #26-32

Recommended Action

Engineering Review:

By: _____5/7/2026 **Approved _X_ Denied __**

District Field Review:

By: _____ Approved ___ Denied ___

District Manager: _____ Date: _____

Comments:

The referenced permit application for a boring under Kayak Canal (47-34-1) at 2305 E 2nd St, in Lehigh Acres, submitted by Lumos, 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
PERMIT

THIS PERMIT is granted this 18th day of May, 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 Dinghy Canal (47-34-2), along the east side of Country Club Parkway between Inman St. & Malabar 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. 26-33

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 #26-33 is approved according to the revised plans submitted April 30th, 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' width of 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 Country Club Parkway.

PART I

DATE SUBMITTED: 04 - 30 - 26

PERMIT #: 26 - 33

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_006_FDH_09_1665 Country Club Pkby-Dinghy Canal#47-34-2

TOTAL ACREAGE: NA

Property Address (STRAP associated with this address will be used as the primary STRAP for this project): **1665 Country Club Pkby**					
Mailing Address:	**NA**				
City:	**Lehigh Acres**	**State:**	**FL**	**Zip:**	**33936**

STRAP NUMBERS (attach additional sheet if necessary):

3	**4**	-	**4**	**4**	-	**2**	**7**	-	**L**	**2**	-	**0**	**0**	**0**	**4**	**1**	-	**0**	**0**	**1**	**0**
		-			-			-			-						-				
		-			-			-			-						-				
		-			-			-			-						-				

Brief description of proposed project:

Application for: : Lumos proposes to install (1) 1.25" conduit(s) with a 97' UG bore utilizing a 2" bore head to cross the Dinghy Canal (47-34-2) at Country Club Pkby within MSID easement boundaries. This application covers the permanent underground installation only

---

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

Estimated # of Phases:	1	
***Permit Fee:**	$2.205.00	**(to be verified by staff)**

RECEIVED

APR 30 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	**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:	**Milenium Directional Drilling, Inc**						
Mailing Address:	**Street:**	**5395 Cogswell Dr**					
City:	**Wayne**	**State:**	**MI**		**Zip:**	**48184**	
Phone No.	**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:**	**GA**		**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:	**NA**						
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 April (m), 2026 (y), by William Kiefer who is personally know to me or has produced N/A as identification.

OFFICIAL SEAL
KYLE LEWIS PARKEY
NOTARY PUBLIC - ARIZONA
MARICOPA COUNTY
COMM# 691029
My Comm. Expires December 15, 2029

Kyle Parkey
SIGNATURE OF NOTARY PUBLIC

Kyle Lewis Parkey
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:	McKim & Creed						
Mailing Address:	5701 Division Dr. Ste A						
City:	Fort Myers	**State:**	FL			**Zip:**	33905
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).
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.

GRIDIRON
P.O. BOX 1028
WAYNESBORO, VA 22980

FIFTH THIRD BANK
13-31/420

60002668

02/12/2026

PAY TO THE ORDER OF LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT $ **$1,575.00

one thousand five hundred seventy-five and 00/100********** DOLLARS

VOID IF NOT CASHED IN 90 DAYS

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRI
601 East County Ln
Lehigh Acres FL 33936
United States

MEMO

MP

⑈60002668⑈ ⑆042000314⑆70291001125⑈

GRIDIRON

60002668

02/12/2026 404662 LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

Type	Ref. No.	Date	Description	Orig. Amt.	Amt. Due	Credit	Payment
Bill	34			$1,575.00	$1,575.00		$1,575.00

GRIDIRON

60002668

02/12/2026 404662 LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

Type	Ref. No.	Date	Description	Orig. Amt.	Amt. Due	Credit	Payment
Bill	34			$1,575.00	$1,575.00		$1,575.00

Permit #26-33

Scanned with CamScanner

GRIDIRON
P.O. BOX 1028
WAYNESBORO, VA 22980

FIFTH THIRD BANK
13-31/420

60002740

03/05/2026

PAY TO THE ORDER OF LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

$ **$630.00

six hundred thirty and 00/100**********DOLLARS

VOID IF NOT CASHED IN 90 DAYS

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRI
601 East County Ln
Lehigh Acres FL 33936
United States

MEMO

MP

⑈60002740⑈ ⑆042000314⑆70291001125⑈

GRIDIRON 60002740

03/05/2026 404662 LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

Type	Ref. No.	Date	Description	Orig. Amt.	Amt. Due	Credit	Payment
Bill	26-33			$630.00	$630.00		$630.00

Permit #26-33

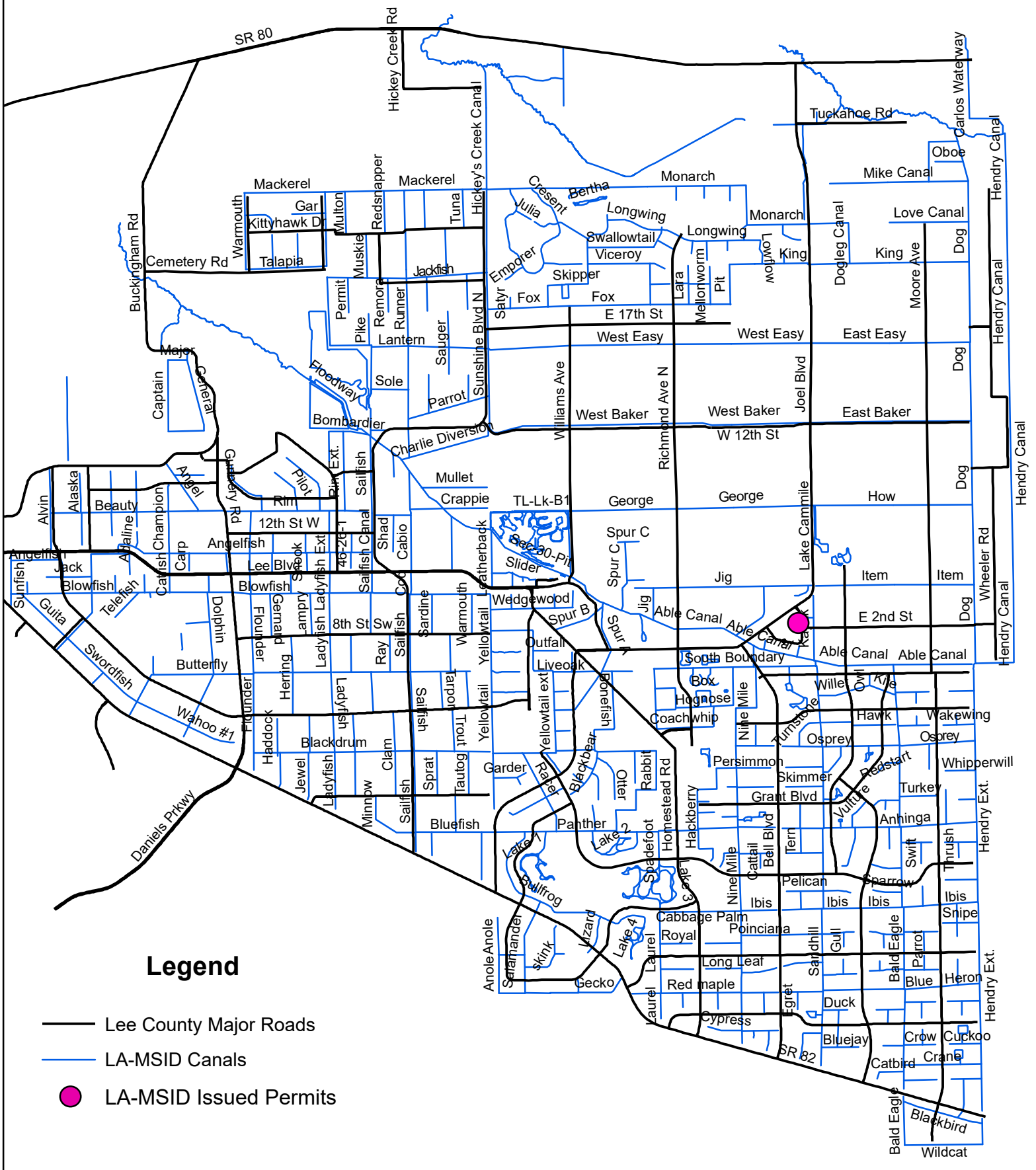
GRIDIRON 60002740

03/05/2026 404662 LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

Type	Ref. No.	Date	Description	Orig. Amt.	Amt. Due	Credit	Payment
Bill	26-33			$630.00	$630.00		$630.00

RECEIVED
MAR 09 2026
LEHIGH ACRES
MUNICIPAL SERVICES
IMPROVEMENT DISTRICT

Permit # 2026-33



Legend

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

LUMOS NETWORKS
JOB NUMBER: R0LEEFL-06-09
ROUTE NAME: LE1_006_FDH_09

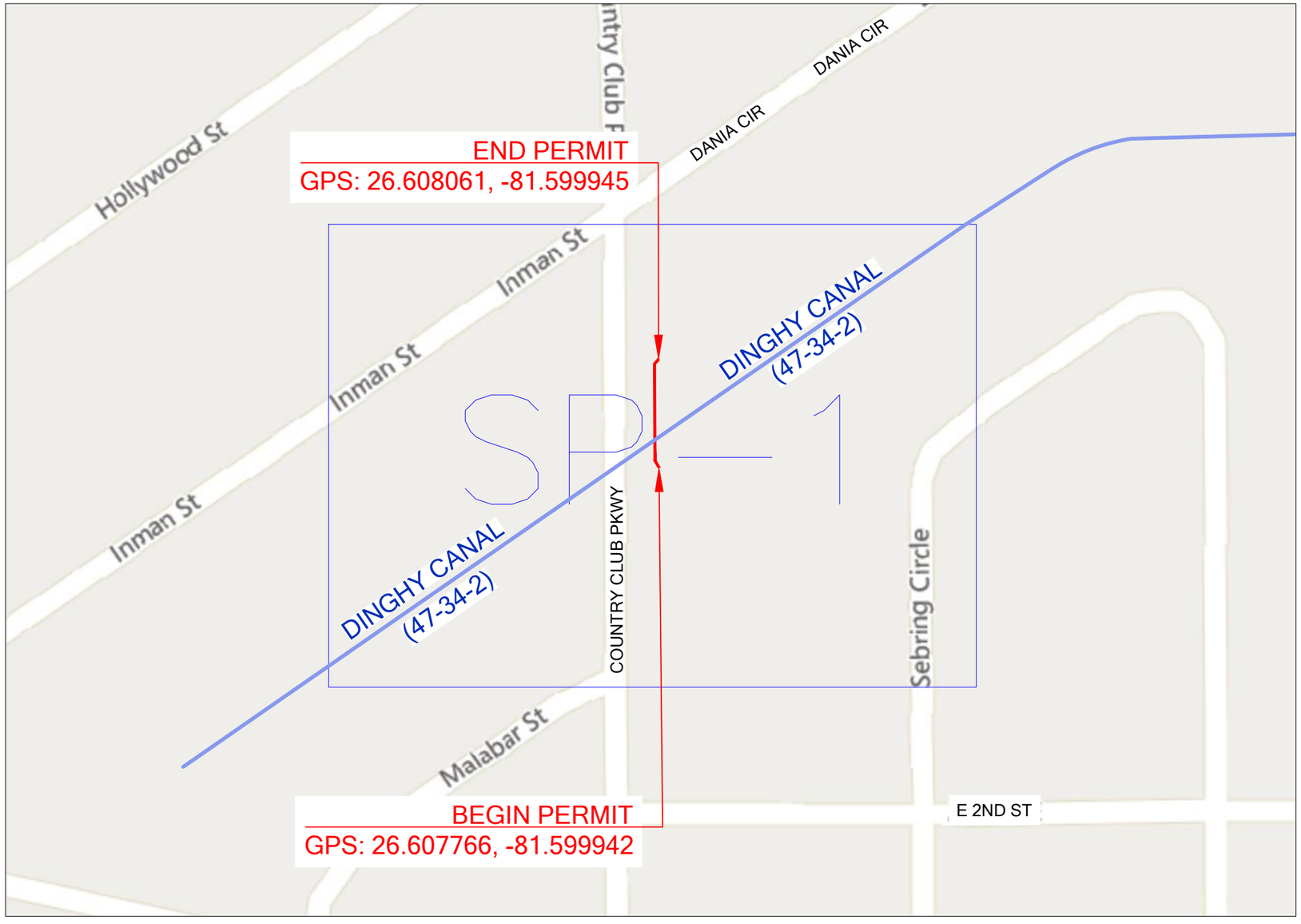
LUMOS PROPOSED FIBER OPTIC NETWORK PLACEMENT

CONSTRUCTION METHOD	FOOTAGE
UNDERGROUND	97′
AERIAL	0'

TOTAL PROPOSED FOOTAGE = 97′

INDEX TO SHEET

SHEET	TITLE
CV-1	LOCATION MAP
GN-1	LEGEND
GN-2	GENERAL NOTES AND CONSTRUCTION NOTE
SP-1	CONSTRUCTION PLANS
SP-A	PROFILE VIEW
SP-B	IMAGES



INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

PREPARED BY:6030 BETHELVIEW RD,SUITE #301
CUMMING, GA 30040.USA

PROJECT INFORMATION	
SITE NAME:	LE1_006_FDH_09
SITE ADDRESS:	1665 COUNTRY CLUB PKWY
COUNTY:	LEE
APPROVER:	

SUBMITTAL INFORMATION

REV	DATE	DESCRIPTION	INIT
0	02/23/2026	PERMIT DRAWING	CENT
1	03/02/2026	PERMIT DRAWING	CENT
2	03/26/2026	PERMIT DRAWING	CENT
3	04/10/2026	PERMIT DRAWING	CENT

CONSTRUCTION NOTES:

N

SHEET TITLE
LOCATION MAP

SHEET NUMBER
CV-1

DRAWING SHEET
1 OF 6

LUMOS:

NAME: JASON BUSH
CELL: (850)428 - 1313

UTILITIES:

FL811 (800-432-4770)

CENTILLION:

CRAIG BLACK - PROJECT MANAGER
(CELL)720-597-5320

PERMITS:

LEHIGH ACRES MSID - PERMIT NUMBER / DATE: TBD

LINETYPE LEGEND

EOP	= EX. EDGE OF PAVEMENT
C/L	= EX. CENTER LINE
R/W	= EX. RIGHT OF WAY
ESMT	= EX. EASEMENT
	= EX. PROPERTY LINE
	= EX. BUILDING EDGE
OHF OHF	= EX. OVERHEAD FIBER
BFO BFO	= EX. BURIED FIBER
EX_STRAND	= EX. STRAND
	= EX. FENCE
GR GR	= EX. GUARDRAIL
	= RAILROAD
DB	= DIRECTIONAL BORE
	= WATER BODY
	= CULVERT
OHF OHF	= PROP. OVERHEAD FIBER
BFO BFO	= PROP. BURIED FIBER
	= PROP. CONDUIT
Strand Strand	= PROP. STRAND
	= PROP. MULTIPORT TAIL
SD	= STORM DRAINAGE
SS	= SEWER LINE
W	= WATER LINE
T	= TELCO LINE
TV	= CABLE TV LINE
E	= ELECTRIC LINE
TRAFF	= TRAFFIC LINE
G	= GAS LINE
	= DITCH LINE

SYMBOL LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	PROPOSED ANCHOR & GUY		DUCT COUNT
	FOREIGN/EXISTING ANCHOR & GUY		FIRE HYDRANT
	MGNV		WATER VALVE / METER
	JOINT USE POLE	W	WATER MANHOLE
	POWER POLE	S	SEWER MANHOLE
	COMMUNICATION POLE	SD	STORM MANHOLE
S	STEEL POLE		STORM INLET / CATCH BASIN
	CATV POLE	G	GAS VALVE / METER
	PROPOSED POLE	P	ELECTRIC MANHOLE
R	RISER	P	ELECTRIC HANDHOLE
	PROPOSED STORAGE LOOP		STREET LIGHT
	FIBER SPLICE	ELEC BOX	BURIED TRANSFORMER
	MIDSHEATH SPLICE	TRAF	TRAFFIC HANDHOLE
	TO C.O.		TRAFFIC POLE / SIGNAL
SPLT	SPLITTER HANDHOLE (13"X24"X18")	T	TELCO MANHOLE
SM	SMALL HANDHOLE (17"X30"X24")	TL	TELCO HANDHOLE
MED	MEDIUM HANDHOLE (24"X36"X24")	T	TELCO PEDESTAL
LHH	LARGE HANDHOLE (30"X48"X24")	CV	CABLE TV HANDHOLE
HH	EXISTING HANDHOLE	CV	CABLE TV PEDESTAL
P	PROPOSED PEDESTAL	1X8	PROPOSED 1x8 SPLITTER
P	EXISTING PEDESTAL	1X4	PROPOSED 1x4 SPLITTER
	PROPOSED FP		SIGN
3	TREE		BORE PIT

INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

PREPARED BY:6030 BETHELVIEW RD,SUITE #301
CUMMING, GA 30040.USA

PROJECT INFORMATION	
SITE NAME:	LE1_006_FDH_09
SITE ADDRESS:	1665 COUNTRY CLUB PKWY
COUNTY:	LEE
APPROVER:	

SUBMITTAL INFORMATION			
REV	DATE	DESCRIPTION	INIT
0	02/23/2026	PERMIT DRAWING	CENT
1	03/02/2026	PERMIT DRAWING	CENT
2	03/26/2026	PERMIT DRAWING	CENT
3	04/10/2026	PERMIT DRAWING	CENT

CONSTRUCTION NOTES:

N

SHEET TITLE
LEGEND

SHEET NUMBER
GN-1

DRAWING SHEET
2 OF 6

AERIAL & U/G NOTES

ALL PROPOSED CONSTRUCTION WILL BE PER FDOT SPECIFICATIONS AS WELL AS ALL NESC SAFETY CODES.

ALL PROPOSED CATV WILL BE WITHIN THE FDOT RIGHT-OF-WAY.

ALL AERIAL CANAL RIGHT-OF-WAY CROSSINGS MUST BE A MINIMUM 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 BURIED A MINIMUM OF 40" 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 PARALLEL 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 FDOT RIGHT-OF-WAY.

ALL WORK PERFORMED WITHIN THE FDOT RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH FDOT 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.

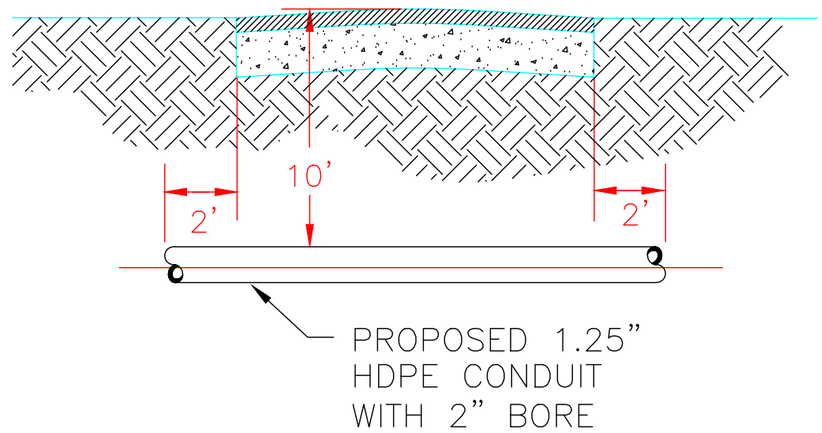
IT WILL BE THE RESPONSIBILITY OF THE PERMITTEE TO REPAIR ANY DAMAGE TO FDOT FACILITIES CAUSED BY THE CONSTRUCTION OF THE PROJECT.

ALL CONCRETE SHALL BE 3,000 PSI. APPROVED FDOT MIX DESIGN.

UTILITIES CONTACT

LEHIGH ACRES MUNICIPAL SERVICES
IMPROVEMENT DISTRICT
MICHAEL COOK
(239) 366-0044 Ext. 16
MCOOK@LA-MSID.COM
STORM WATER/CANALS

LUMOS
JASON BUSH
CONSTRUCTION MANAGER
(JASON.BUSH@LUMOSFIBER.COM)
941-812-2913



TYPICAL DRIVEWAY DIRECTIONAL BORE

N.T.S.

MOT NOTES

TRAFFIC CONTROL SHALL COMPLY WITH FEDERAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND F.D.O.T. DESIGN STANDARD #NO. 600.

INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

PREPARED BY:6030 BETHELVIEW RD,SUITE #301
CUMMING, GA 30040.USA

PROJECT INFORMATION	
SITE NAME:	LE1_006_FDH_09
SITE ADDRESS:	1665 COUNTRY CLUB PKWY
COUNTY:	LEE
APPROVER:	

SUBMITTAL INFORMATION			
REV	DATE	DESCRIPTION	INIT
0	02/23/2026	PERMIT DRAWING	CENT
1	03/02/2026	PERMIT DRAWING	CENT
2	03/26/2026	PERMIT DRAWING	CENT
3	04/10/2026	PERMIT DRAWING	CENT

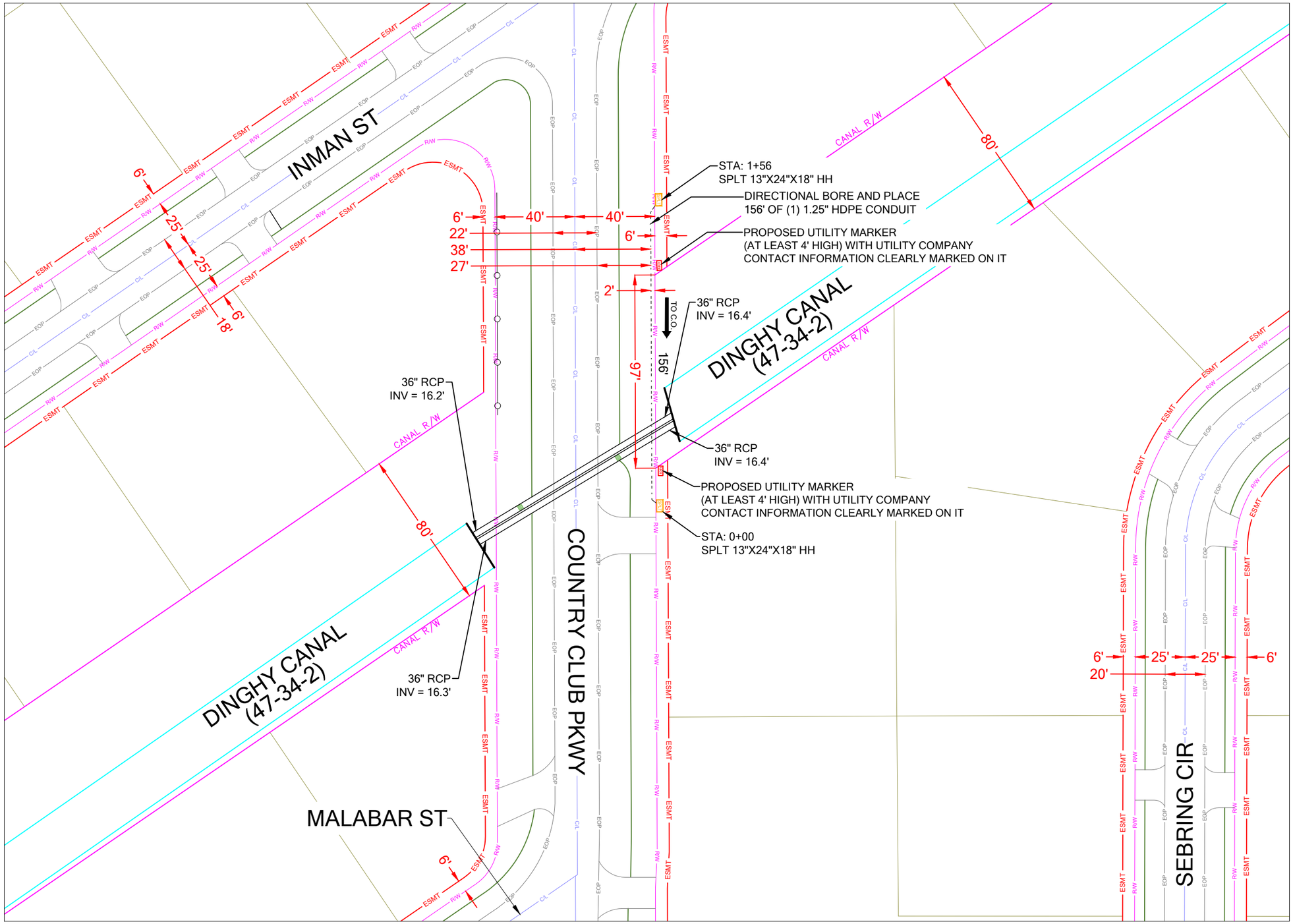
CONSTRUCTION NOTES:

N

SHEET TITLE: GENERAL NOTES

SHEET NUMBER: GN-2

DRAWING SHEET: 3 OF 6



CONSTRUCTION NOTES

(1) 1.25" CONDUIT WITH 2" BORE.

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.

SHEET LAYOUT



NOTE: LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION.

NOTE: ALL EXISTING UTILITIES PLACED ON PRINTS FOR REFERENCE ONLY. (NOT TO SCALE)

Sunshine811

lumos™
INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

PREPARED BY: 6030 BETHELVIEW RD, SUITE #301 CUMMING, GA 30040. USA
CENTILLION SOLUTIONS

PROJECT INFORMATION

SITE NAME:	LE1_006_FDH_09
SITE ADDRESS:	1665 COUNTRY CLUB PKWY
COUNTY:	LEE
APPROVER:	

0' 25' 50'
SCALE: 1"=50'

SUBMITTAL INFORMATION

REV	DATE	DESCRIPTION	INIT
0	02/23/2026	PERMIT DRAWING	CENT
1	03/02/2026	PERMIT DRAWING	CENT
2	03/26/2026	PERMIT DRAWING	CENT
3	04/10/2026	PERMIT DRAWING	CENT

CONSTRUCTION NOTES:

BORE ALL BURIED ROUTES
. MIN DEPTH OF 36"
. ALL CABLE PLACED IN 1.25" HDPE 2' OFF ROW UNLESS SPECIFIED
. SIDEWALKS TO BE REPLACED JOINT TO JOINT
. PLACED AT BACK OF ROW

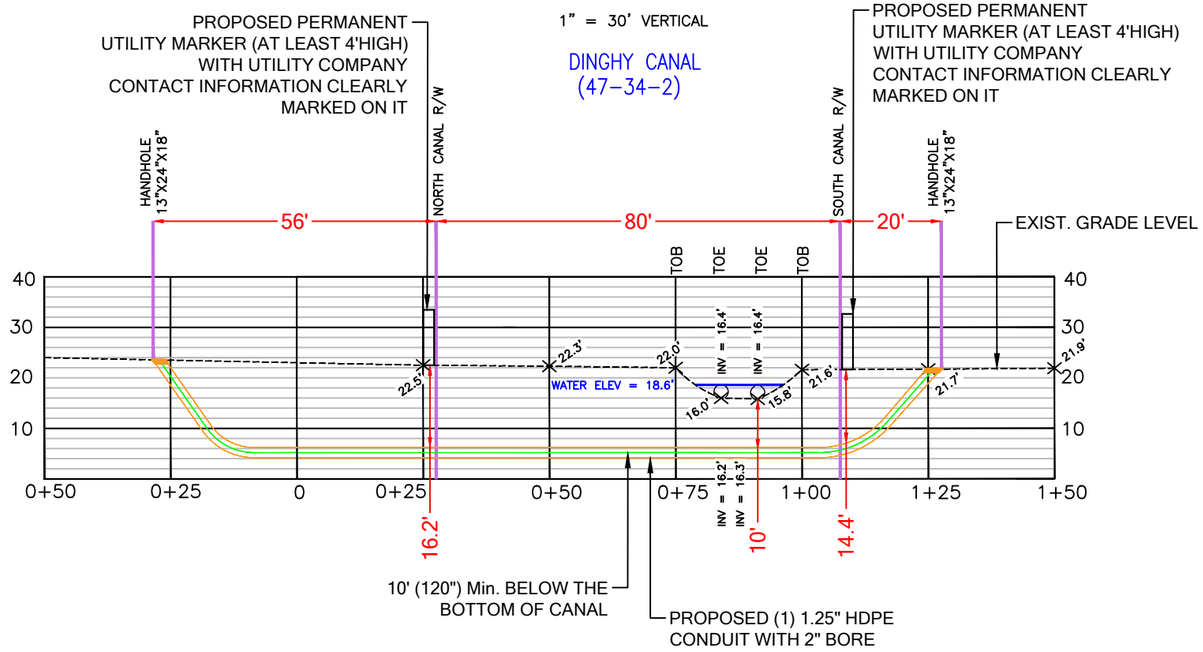
SHEET TITLE
CONSTRUCTION PLANS

SHEET NUMBER
SP-1

DRAWING SHEET
4 OF 6

U/G CANAL CROSS PROFILE VIEW

1" = 30' HORIZONTAL
1" = 30' VERTICAL



CONSTRUCTION NOTES

(1) 1.25" CONDUIT WITH 2" BORE.

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.

SHEET LAYOUT



NOTE: LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION.

NOTE: ALL EXISTING UTILITIES PLACED ON PRINTS FOR REFERENCE ONLY. (NOT TO SCALE)

Sunshine811

INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

PREPARED BY: 6030 BETHELVIEW RD, SUITE #301 CUMMING, GA 30040. USA
CENTILLION SOLUTIONS

PROJECT INFORMATION	
SITE NAME:	LE1_006_FDH_09
SITE ADDRESS:	1665 COUNTRY CLUB PKWY
COUNTY:	LEE
APPROVER:	

0' 15' 30'
SCALE: 1"=30'

SUBMITTAL INFORMATION			
REV	DATE	DESCRIPTION	INIT
0	02/23/2026	PERMIT DRAWING	CENT
1	03/02/2026	PERMIT DRAWING	CENT
2	03/26/2026	PERMIT DRAWING	CENT
3	04/10/2026	PERMIT DRAWING	CENT

CONSTRUCTION NOTES:

BORE ALL BURIED ROUTES
. MIN DEPTH OF 36"
. ALL CABLE PLACED IN 1.25" HDPE 2' OFF ROW UNLESS SPECIFIED
. SIDEWALKS TO BE REPLACED JOINT TO JOINT
. PLACED AT BACK OF ROW

SHEET TITLE
CONSTRUCTION PLANS

SHEET NUMBER
SP-1A

DRAWING SHEET
5 OF 6



BORE CROSSING
DINGHY CANAL
(47-34-2)

lumos™

INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

PREPARED BY:6030 BETHELVIEW RD,SUITE #301
CUMMING, GA 30040.USA

CENTILLION SOLUTIONS

PROJECT INFORMATION	
SITE NAME:	LE1_006_FDH_09
SITE ADDRESS:	1665 COUNTRY CLUB PKWY
COUNTY:	LEE
APPROVER:	

SUBMITTAL INFORMATION			
REV	DATE	DESCRIPTION	INIT
0	02/23/2026	PERMIT DRAWING	CENT
1	03/02/2026	PERMIT DRAWING	CENT
2	03/26/2026	PERMIT DRAWING	CENT
3	04/10/2026	PERMIT DRAWING	CENT

CONSTRUCTION NOTES:

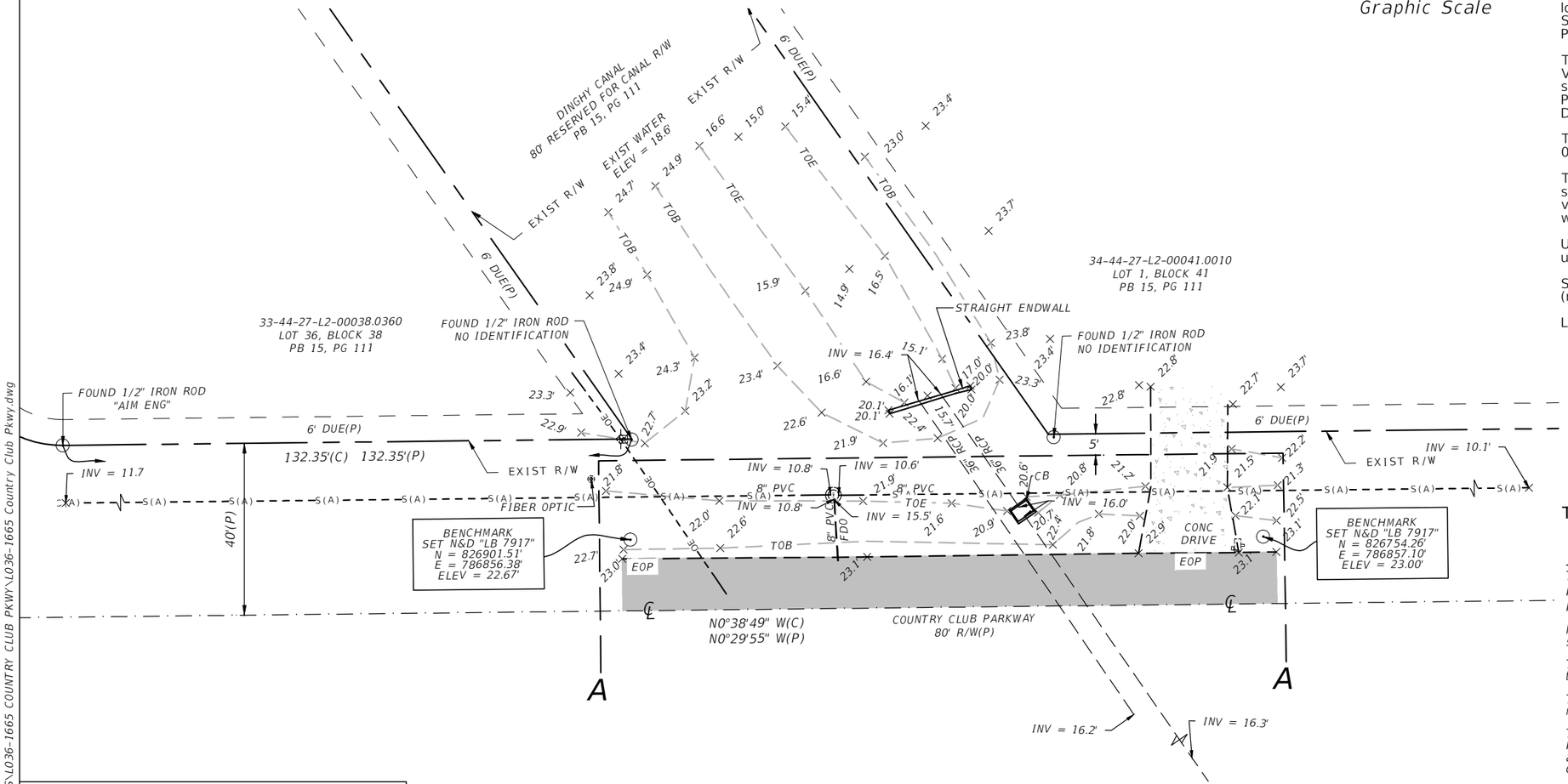
N

SHEET TITLE
IMAGE

SHEET NUMBER
SP-1B

DRAWING SHEET
6 OF 6

SEE SHEET 02 FOR 1" = 20'
SECTION A-A PROFILE VIEW





Topographic Survey of a Subject Project Site

lying within

Section 34, Township 44 South, Range 27 East
Lehigh Acres, Lee County, Florida

NOTES:

Survey based on the plat of Country Club Estates Plat Book 15 Page 111 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 Country Club Parkway between East Second Street and Dania Circle.

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.

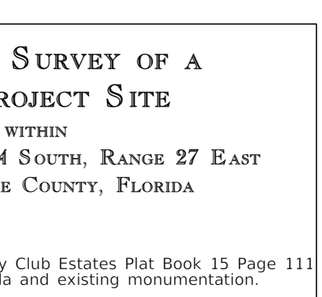
The subject site lies within Zone X per FEMA insurance rate map 125124 0476F (Published 08/28/2008), therefore has no base flood elevation.

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: 12/16/2025



Taylor Henninge 2026.01.14 08:56:31-05'00'

TAYLOR J. HENNINGE
PROFESSIONAL SURVEYOR AND MAPPER
FLORIDA CERTIFICATE NO. LS# 7279

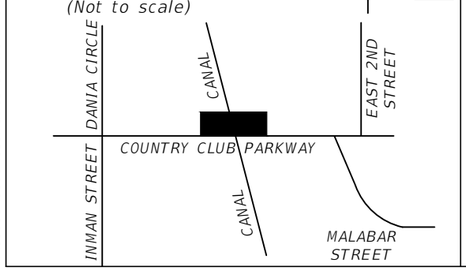
Not valid without the signature and the original seal of a Florida licensed surveyor and mapper.

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:

(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	FDO	= FOR DIRECTION ONLY

⊙	= FOUND MONUMENT
--OE--	= OVERHEAD UTILITY LINE
+20.0'	= SPOT ELEVATION
	= TELEPHONE PEDESTAL
	= MAILBOX
	= SANITARY SEWER
	= ELECTRICAL POLE
	= SUBSURFACE UTILITY MARKER
--S(A)--	= SANITARY SEWER PIPE

Country Club Parkway, Lehigh Acres

TOPOGRAPHIC SURVEY-PLAN VIEW

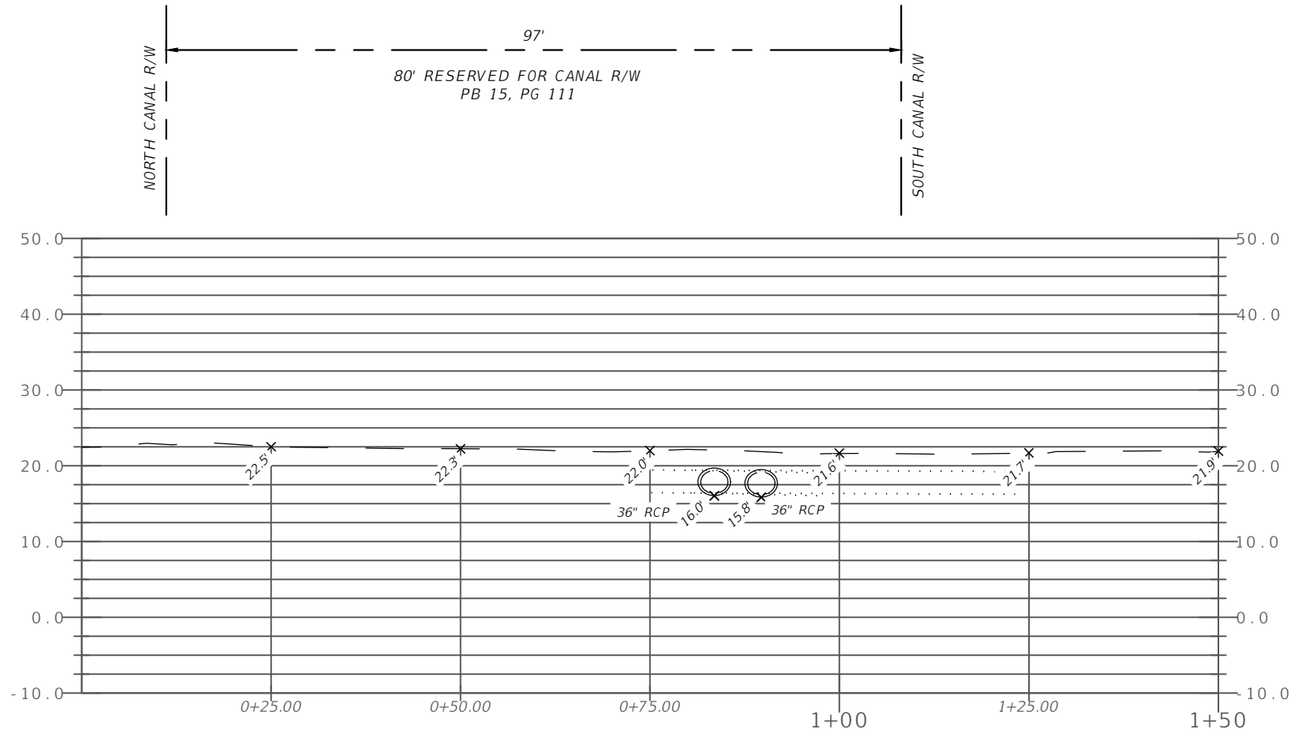
McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name:	Field book/page:	Project No.:
L036-1665 Country Club Pkwy.dwg	106981-3/20	106980001-L036

Survey date:	Drawn by:	Checked by:	Sheet No.:
12/16/2025	KB	TJH	01 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L036-1665 COUNTRY CLUB PKWY\L036-1665 Country Club Pkwy.dwg

Topographic Survey of a
Subject Project Site
Section 34, 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

Country Club Parkway, 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.:
L036-1665 Country Club Pkwy.dwg	106981-3/20	106980001-L036

Survey date:	Drawn by:	Checked by:	Sheet No.:
12/16/2025	KB	TJH	02 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L036-1665 COUNTRY CLUB PKWY\L036-1665 Country Club Pkwy.dwg

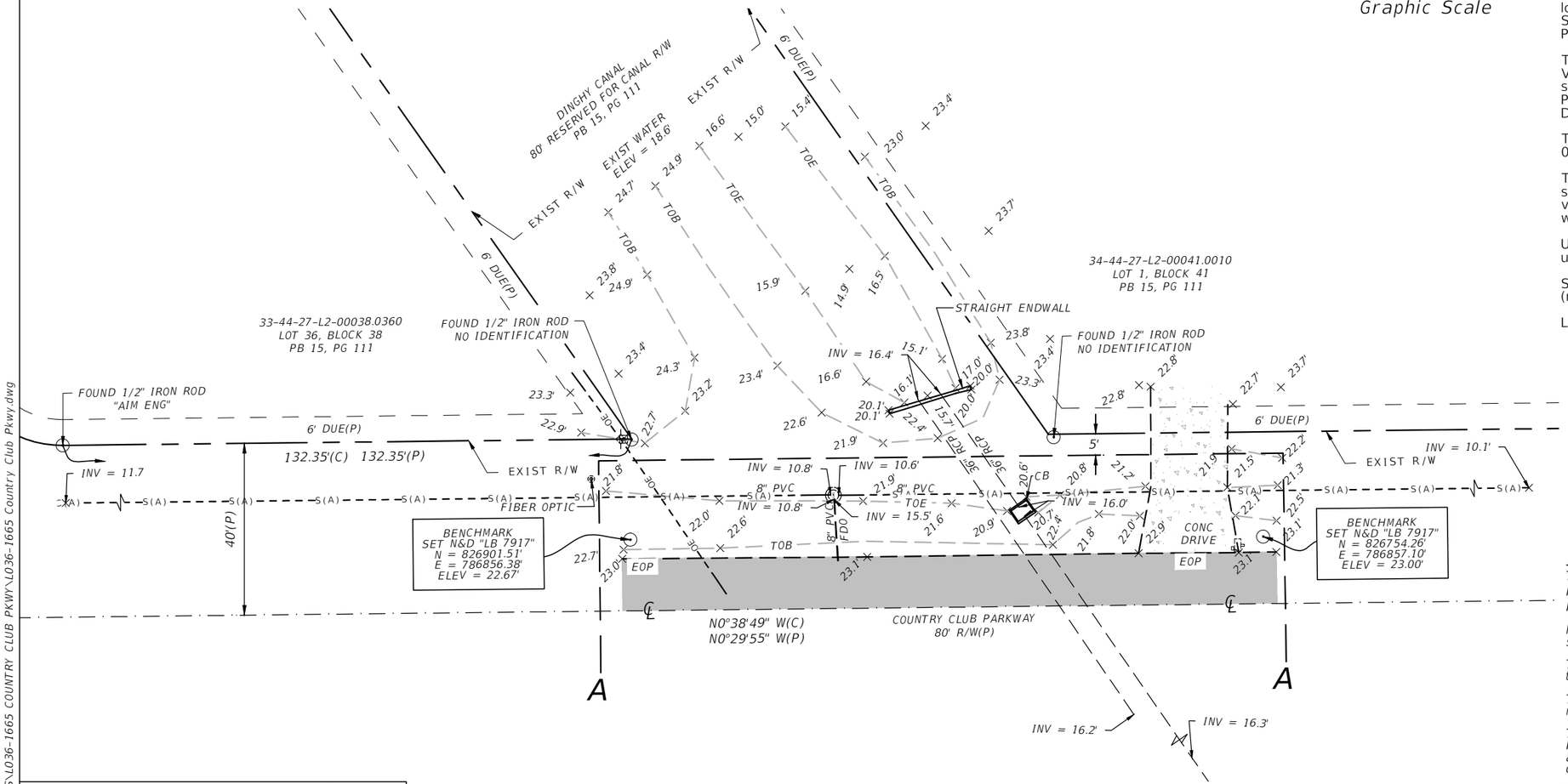
Topographic Survey of a Subject Project Site

lying within

Section 34, Township 44 South, Range 27 East

Lehigh Acres, Lee County, Florida

SEE SHEET 02 FOR 1" = 20'
SECTION A-A PROFILE VIEW



NOTES:

Survey based on the plat of Country Club Estates Plat Book 15 Page 111 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 Country Club Parkway between East Second Street and Dania Circle.

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 0476F (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: 12/16/2025

0 15' 30'
(1" = 30')
Graphic Scale

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

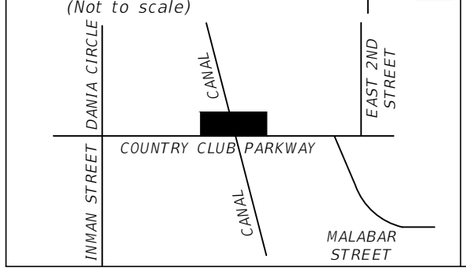
Not valid without the signature and the original seal of a Florida licensed surveyor and mapper.

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:

(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	FDO	= FOR DIRECTION ONLY

⊙	= FOUND MONUMENT
OE	= OVERHEAD UTILITY LINE
+20.0'	= SPOT ELEVATION
	= TELEPHONE PEDESTAL
	= MAILBOX
	= SANITARY SEWER
	= ELECTRICAL POLE
	= SUBSURFACE UTILITY MARKER
S(A)	= SANITARY SEWER PIPE

Country Club Parkway, Lehigh Acres

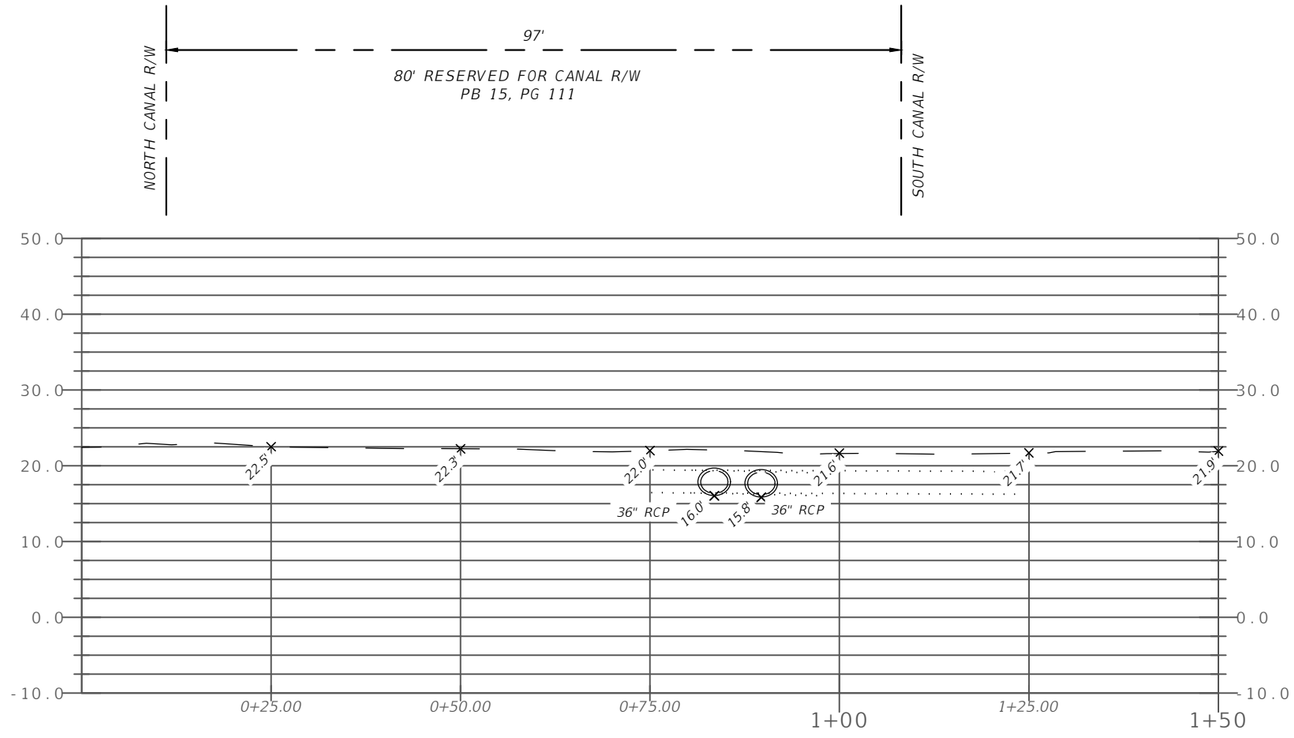
TOPOGRAPHIC SURVEY-PLAN VIEW

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.:
L036-1665 Country Club Pkwy.dwg	106981-3/20	106980001-L036

Survey date:	Drawn by:	Checked by:	Sheet No.:
12/16/2025	KB	TJH	01 OF 02

Topographic Survey of a
Subject Project Site
Section 34, 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

Country Club Parkway, Lehigh Acres

TOPOGRAPHIC SURVEY-PROFILE VIEW

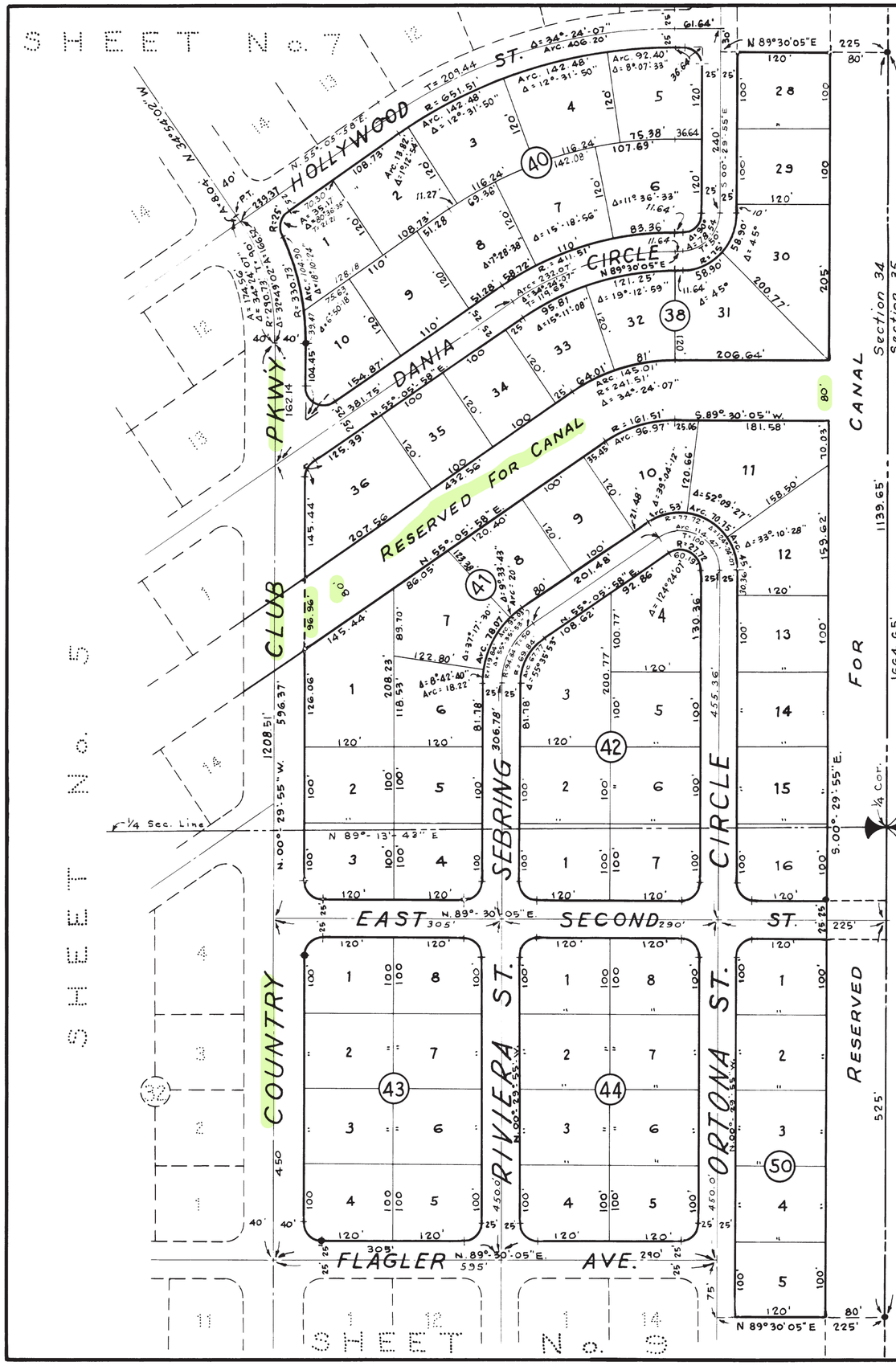
McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name:	Field book/page:	Project No.:
L036-1665 Country Club Pkwy.dwg	106981-3/20	106980001-L036

Survey date:	Drawn by:	Checked by:	Sheet No.:
12/16/2025	KB	TJH	02 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L036-1665 COUNTRY CLUB PKWY\L036-1665 Country Club Pkwy.dwg

PLAT BOOK 15 PAGE 111



COUNTRY CLUB ESTATES

SECTION 34, 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 Drainage and Utility Easement both sides, front and back.

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 to be dedicated to East County Water Control District.

PART IV #26-33

Recommended Action

Engineering Review:

By: _____5/7/2026 **Approved _X_ Denied __**

District Field Review:

By: _____ Approved ___ Denied ___

District Manager: _____ Date: _____

Comments:

The referenced permit application for a boring under Dinghy Canal (47-34-2) at Country Club Pkwy, in Lehigh Acres, submitted by Lumos, 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
PERMIT

THIS PERMIT is granted this 18th day of May, 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 Skiff Canal (47-34-4), along the south side of Archer St. between Bermont Ave. & Kingston 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. 26-34

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 #26-34 is approved according to the revised plans submitted April 30th, 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' width of 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 Archer St.

PART I

DATE SUBMITTED: 04-10-26

PERMIT #: 26-34

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_006_FDH_10_1412 Archer St - Skiff Canal #47-34-4

TOTAL ACREAGE: NA

Property Address (STRAP associated with this address will be used as the primary STRAP for this project): **1412 Archer St**					
Mailing Address:	**NA**				
City:	**Lehigh Acres**	**State:**	**FL**	**Zip:**	**33936**

STRAP NUMBERS (attach additional sheet if necessary):

3	4	-	4	4	-	2	7	-	L	3	-	0	0	0	5	0	-	0	2	7	0
		-			-			-			-						-				
		-			-			-			-						-				
		-			-			-			-						-				
		-			-			-			-						-				

Brief description of proposed project:

Application for: Lumos proposes to install (2) 1.25" conduit(s) with an 80' UG bore utilizing a 4" bore head to cross the Skiff Canal (47-34-4) at Archer St within MSID easement boundaries. This application covers the permanent underground installation only.

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)**

RECEIVED
APR 30 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	**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:	**Milenium Directional Drilling, Inc**						
Mailing Address:	**Street:**	**5395 Cogswell Dr**					
City:	**Wayne**	**State:**	**MI**		**Zip:**	**48184**	
Phone No.	**Area Code:**	**(313)**	**Number:**	**326-2333**	**Ext.**		
Fax No.	**Area Code:**	**( )**	**Number:**	-			
E-mail Address:	felecand@mileniumbors.com						

Name of Authorized Agent(s):	**Centillion Solutions**						
Mailing Address:	**Street:**	**6030 Bethelview Rd, Suite 301**					
City:	**Cumming**	**State:**	**GA**		**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:	**NA**						
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 April (m), 2026 (y), by William Kiefer who is personally know to me or has produced N/A as identification.

OFFICIAL SEAL
KYLE LEWIS PARKEY
NOTARY PUBLIC - ARIZONA
MARICOPA COUNTY
COMM# 691029
My Comm. Expires December 15, 2029

Kyle Parkey
SIGNATURE OF NOTARY PUBLIC

Kyle Lewis Parkey

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	**The thumb drives only have AutoCAD files of the plans** **Need the survey sheets as well and PDF files of plans and surveys**
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.

GRIDIRON
P.O. BOX 1028
WAYNESBORO, VA 22980

FIFTH THIRD BANK
13-31/420

60002665

02/12/2026

PAY TO THE ORDER OF LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

$ **$1,575.00

one thousand five hundred seventy-five and 00/100********** DOLLARS

VOID IF NOT CASHED IN 90 DAYS

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRI
601 East County Ln
Lehigh Acres FL 33936
United States

MP

MEMO

⑈60002665⑈ ⑆042000314⑆702910012 5⑈

60002665

GRIDIRON

02/12/2026 404662 LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

Type	Ref. No.	Date	Description	Orig. Amt.	Amt. Due	Credit	Payment
Bill	36			$1,575.00	$1,575.00		$1,575.00

60002665

GRIDIRON

02/12/2026 404662 LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

Type	Ref. No.	Date	Description	Orig. Amt.	Amt. Due	Credit	Payment
Bill	36			$1,575.00	$1,575.00		$1,575.00

Permit #26-34

Scanned with CamScanner

GRIDIRON
P.O. BOX 1028
WAYNESBORO, VA 22980

FIFTH THIRD BANK
13-31/420

60002724

03/05/2026

PAY TO THE ORDER OF LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT $ **$375.00

three hundred seventy-five and 00/100**********

DOLLARS

VOID IF NOT CASHED IN 90 DAYS

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRI
601 East County Ln
Lehigh Acres FL 33936
United States

MEMO

MP

⑈60002724⑈ ⑆042000314⑆ 7029100125⑈

GRIDIRON 60002724

03/05/2026 404662 LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

Type	Ref. No.	Date	Description	Orig. Amt.	Amt. Due	Credit	Payment
Bill	26-34			$375.00	$375.00		$375.00

Permit #26-34

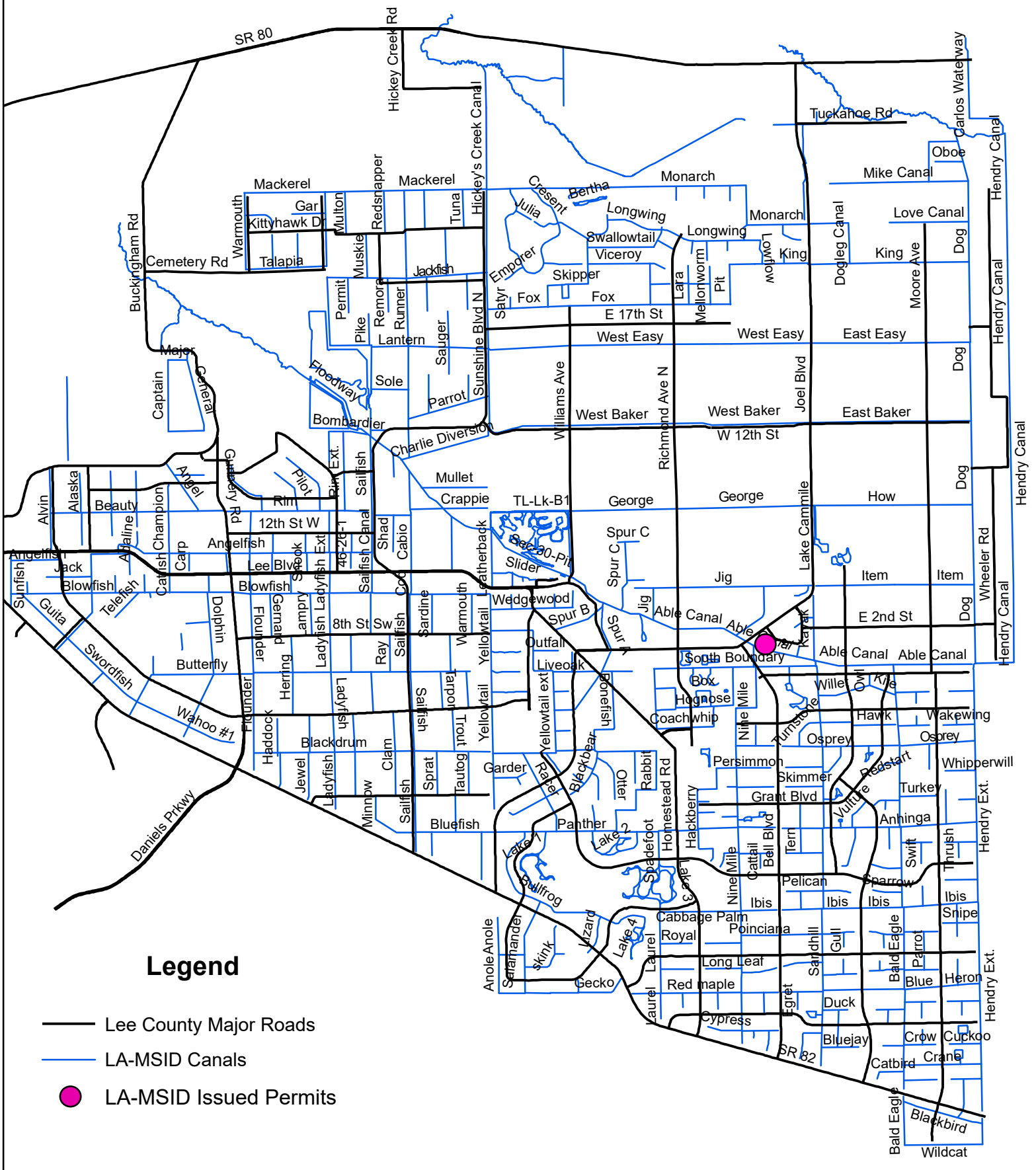
GRIDIRON 60002724

03/05/2026 404662 LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

Type	Ref. No.	Date	Description	Orig. Amt.	Amt. Due	Credit	Payment
Bill	26-34			$375.00	$375.00		$375.00

RECEIVED
MAR 09 2026
LEHIGH ACRES
MUNICIPAL SERVICES
IMPROVEMENT DISTRICT

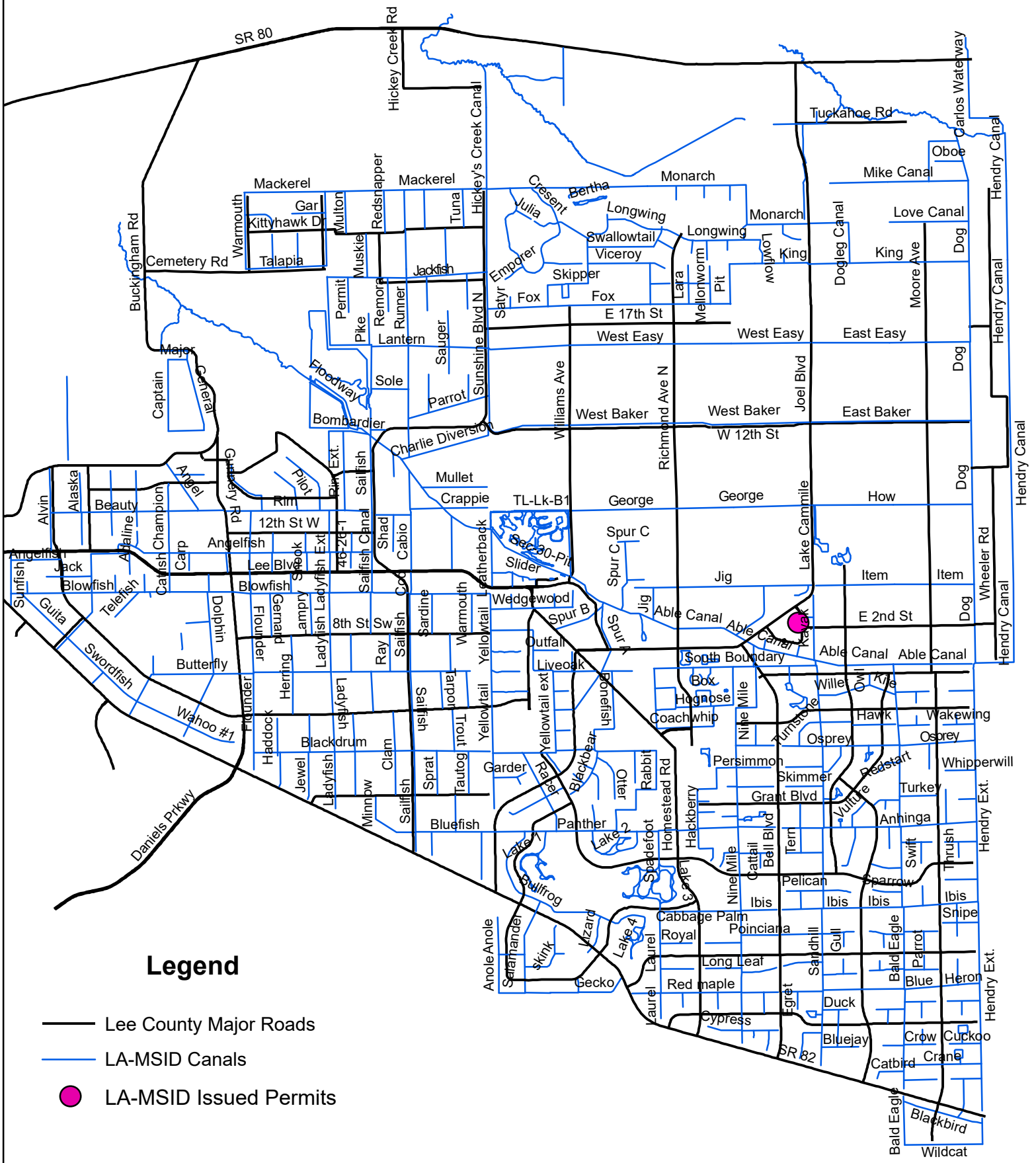
Permit # 2026-34



Legend

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

Permit # 2026-3



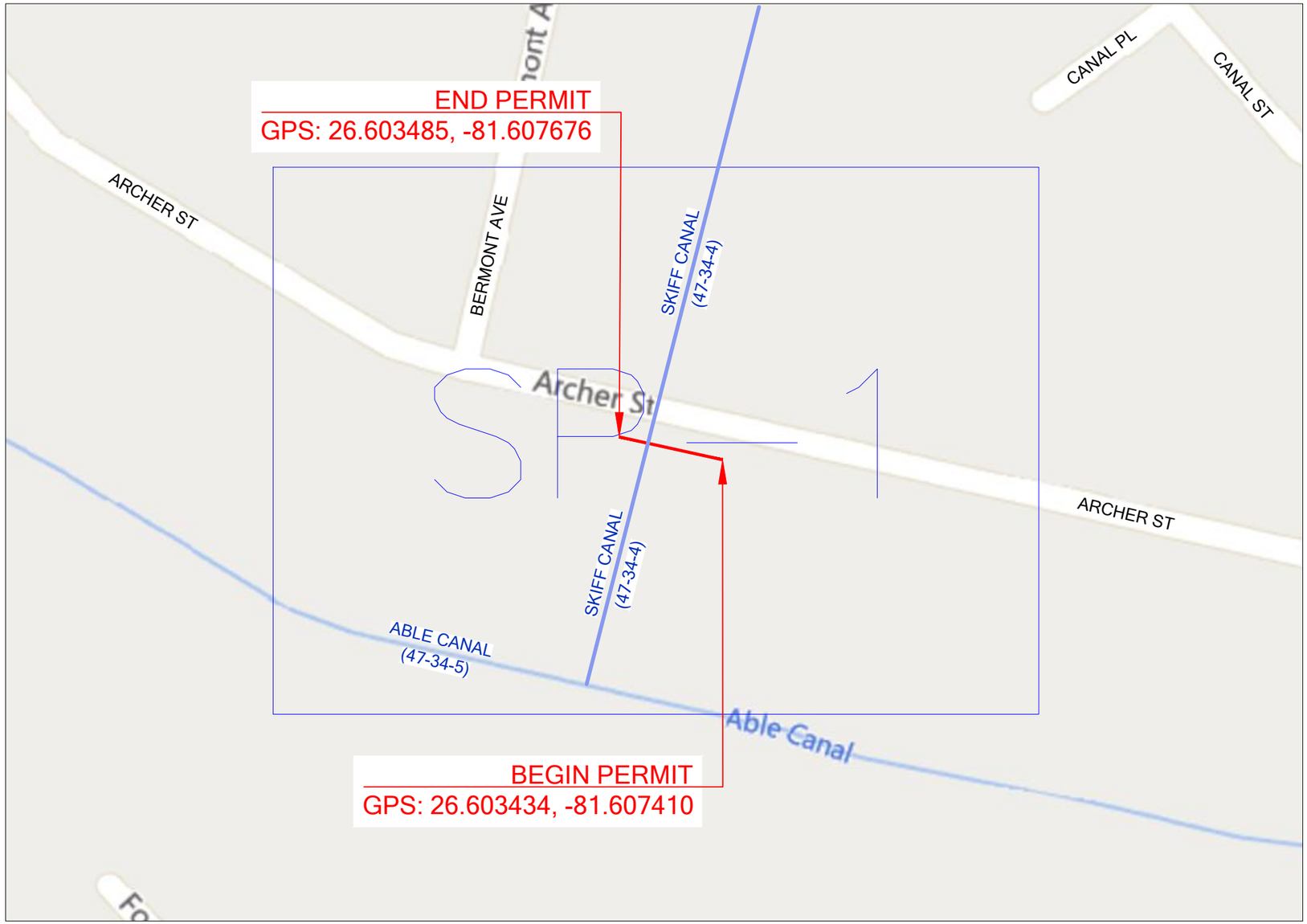
LUMOS NETWORKS
JOB NUMBER: R0LEEFL-006-10
ROUTE NAME: LE1_006_FDH_10

LUMOS PROPOSED FIBER OPTIC NETWORK PLACEMENT

CONSTRUCTION METHOD	FOOTAGE
UNDERGROUND	80′
AERIAL	0'

TOTAL PROPOSED FOOTAGE = 80′

INDEX TO SHEET	
SHEET	TITLE
CV-1	LOCATION MAP
GN-1	LEGEND
GN-2	GENERAL NOTES AND CONSTRUCTION NOTE
SP-1	CONSTRUCTION PLANS
SP-A	PROFILE VIEW
SP-B	IMAGES



INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

PREPARED BY:6030 BETHELVIEW RD,SUITE #301
CUMMING, GA 30040.USA

PROJECT INFORMATION	
SITE NAME:	LE1_006_FDH_10
SITE ADDRESS:	1412 ARCHER ST
COUNTY:	LEE
APPROVER:	

SUBMITTAL INFORMATION			
REV	DATE	DESCRIPTION	INIT
0	02/12/2026	PERMIT DRAWING	CENT
1	03/05/2026	PERMIT DRAWING	CENT
2	03/26/2026	PERMIT DRAWING	CENT
3	04/10/2026	PERMIT DRAWING	CENT

CONSTRUCTION NOTES:

N

SHEET TITLE
LOCATION MAP

SHEET NUMBER
CV-1

DRAWING SHEET
1 OF 6

LUMOS:

NAME: JASON BUSH
CELL: (850)428 - 1313

UTILITIES:

FL811 (800-432-4770)

CENTILLION:

CRAIG BLACK - PROJECT MANAGER
(CELL)720-597-5320

PERMITS:

LEHIGH ACRES MSID - PERMIT NUMBER / DATE: TBD

LINETYPE LEGEND

EOP	= EX. EDGE OF PAVEMENT
C/L	= EX. CENTER LINE
R/W	= EX. RIGHT OF WAY
ESMT	= EX. EASEMENT
	= EX. PROPERTY LINE
	= EX. BUILDING EDGE
OHF OHF	= EX. OVERHEAD FIBER
BFO BFO	= EX. BURIED FIBER
EX_STRAND	= EX. STRAND
	= EX. FENCE
GR GR	= EX. GUARDRAIL
	= RAILROAD
DB	= DIRECTIONAL BORE
	= WATER BODY
	= CULVERT
OHF OHF	= PROP. OVERHEAD FIBER
BFO BFO	= PROP. BURIED FIBER
	= PROP. CONDUIT
Strand Strand	= PROP. STRAND
	= PROP. MULTIPORT TAIL
SD	= STORM DRAINAGE
SS	= SEWER LINE
W	= WATER LINE
T	= TELCO LINE
TV	= CABLE TV LINE
E	= ELECTRIC LINE
TRAFF	= TRAFFIC LINE
G	= GAS LINE
	= DITCH LINE

SYMBOL LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	PROPOSED ANCHOR & GUY		DUCT COUNT
	FOREIGN/EXISTING ANCHOR & GUY		FIRE HYDRANT
	MGNV		WATER VALVE / METER
	JOINT USE POLE	W	WATER MANHOLE
	POWER POLE	S	SEWER MANHOLE
	COMMUNICATION POLE	SD	STORM MANHOLE
S	STEEL POLE		STORM INLET / CATCH BASIN
	CATV POLE	G	GAS VALVE / METER
	PROPOSED POLE	P	ELECTRIC MANHOLE
R	RISER	P	ELECTRIC HANDHOLE
	PROPOSED STORAGE LOOP		STREET LIGHT
	FIBER SPLICE	ELEC BOX	BURIED TRANSFORMER
	MIDSHEATH SPLICE	TRAF	TRAFFIC HANDHOLE
	TO C.O.		TRAFFIC POLE / SIGNAL
SPLT	SPLITTER HANDHOLE (13"X24"X18")	T	TELCO MANHOLE
SM	SMALL HANDHOLE (17"X30"X24")	TL	TELCO HANDHOLE
MED	MEDIUM HANDHOLE (24"X36"X24")	T	TELCO PEDESTAL
LHH	LARGE HANDHOLE (30"X48"X24")	CV	CABLE TV HANDHOLE
HH	EXISTING HANDHOLE	CV	CABLE TV PEDESTAL
P	PROPOSED PEDESTAL	1X8	PROPOSED 1x8 SPLITTER
P	EXISTING PEDESTAL	1X4	PROPOSED 1x4 SPLITTER
	PROPOSED FP		SIGN
3	TREE		BORE PIT

INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

PREPARED BY:6030 BETHELVIEW RD,SUITE #301
CUMMING, GA 30040.USA

PROJECT INFORMATION	
SITE NAME:	LE1_006_FDH_10
SITE ADDRESS:	1412 ARCHER ST
COUNTY:	LEE
APPROVER:	

SUBMITTAL INFORMATION			
REV	DATE	DESCRIPTION	INIT
0	02/12/2026	PERMIT DRAWING	CENT
1	03/05/2026	PERMIT DRAWING	CENT
2	03/26/2026	PERMIT DRAWING	CENT
3	04/10/2026	PERMIT DRAWING	CENT

CONSTRUCTION NOTES:

N

SHEET TITLE
LEGEND

SHEET NUMBER
GN-1

DRAWING SHEET
2 OF 6

AERIAL & U/G NOTES

ALL PROPOSED CONSTRUCTION WILL BE PER FDOT SPECIFICATIONS AS WELL AS ALL NESC SAFETY CODES.

ALL PROPOSED CATV WILL BE WITHIN THE FDOT RIGHT-OF-WAY.

ALL AERIAL CANAL RIGHT-OF-WAY CROSSINGS MUST BE A MINIMUM 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 BURIED A MINIMUM OF 40" 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 PARALLEL 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 FDOT RIGHT-OF-WAY.

ALL WORK PERFORMED WITHIN THE FDOT RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH FDOT 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.

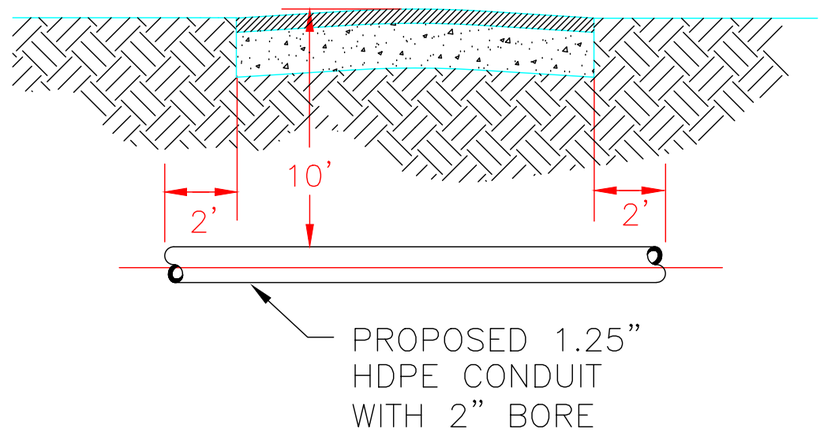
IT WILL BE THE RESPONSIBILITY OF THE PERMITTEE TO REPAIR ANY DAMAGE TO FDOT FACILITIES CAUSED BY THE CONSTRUCTION OF THE PROJECT.

ALL CONCRETE SHALL BE 3,000 PSI. APPROVED FDOT MIX DESIGN.

UTILITIES CONTACT

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT
MICHAEL COOK
(239) 366-0044 Ext. 16
MCOOK@LA-MSID.COM
STORM WATER/CANALS

LUMOS
JASON BUSH
CONSTRUCTION MANAGER
(JASON.BUSH@LUMOSFIBER.COM)
941-812-2913



TYPICAL DRIVEWAY DIRECTIONAL BORE

N.T.S.

MOT NOTES

TRAFFIC CONTROL SHALL COMPLY WITH FEDERAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND F.D.O.T. DESIGN STANDARD #NO. 600.

lumos™
INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

PREPARED BY:6030 BETHELVIEW RD,SUITE #301
CUMMING, GA 30040.USA
CENTILLION SOLUTIONS

PROJECT INFORMATION	
SITE NAME:	LE1_006_FDH_10
SITE ADDRESS:	1412 ARCHER ST
COUNTY:	LEE
APPROVER:	

SUBMITTAL INFORMATION			
REV	DATE	DESCRIPTION	INIT
0	02/12/2026	PERMIT DRAWING	CENT
1	03/05/2026	PERMIT DRAWING	CENT
2	03/26/2026	PERMIT DRAWING	CENT
3	04/10/2026	PERMIT DRAWING	CENT

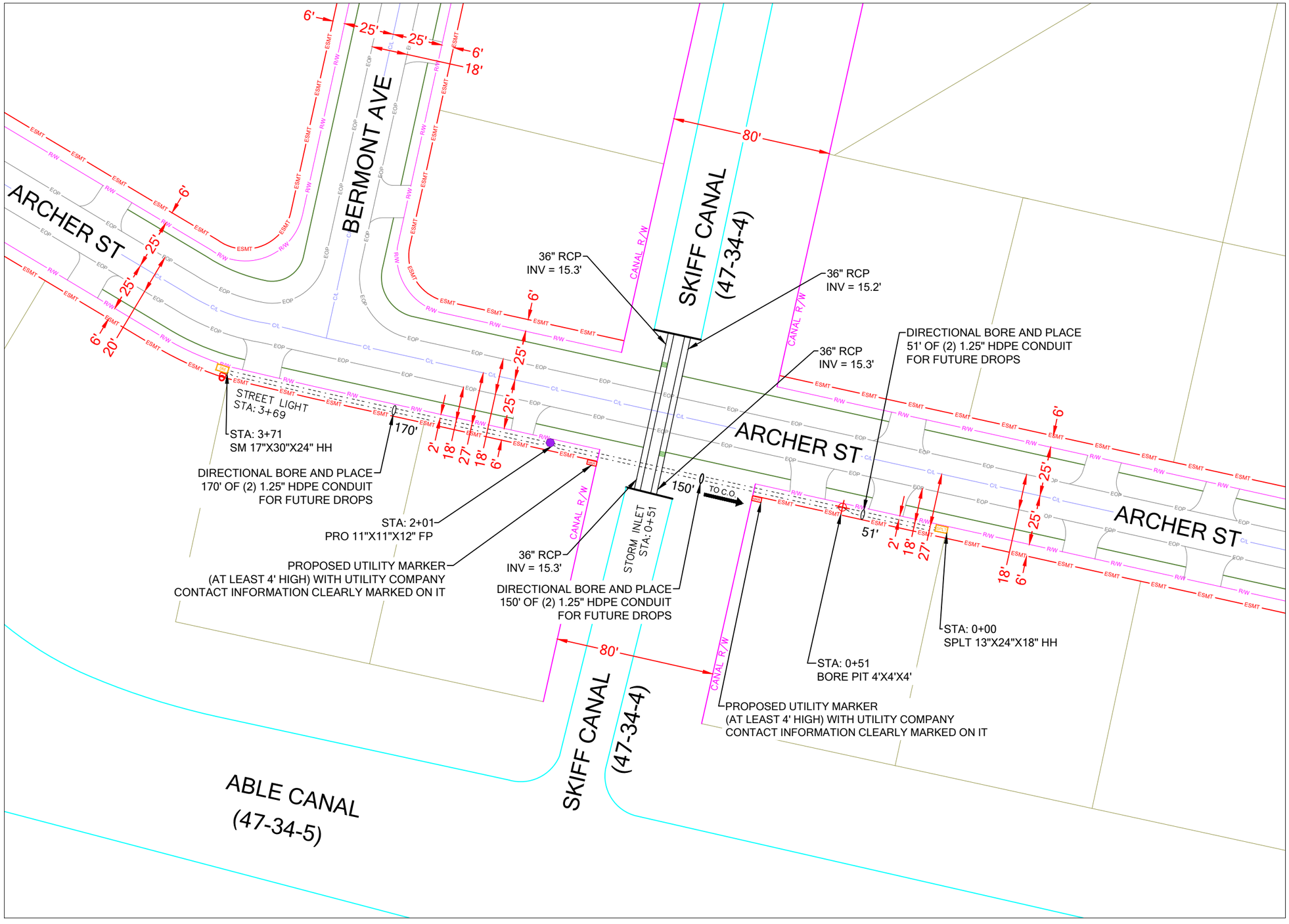
CONSTRUCTION NOTES:

N

SHEET TITLE: GENERAL NOTES

SHEET NUMBER: GN-2

DRAWING SHEET: 3 OF 6

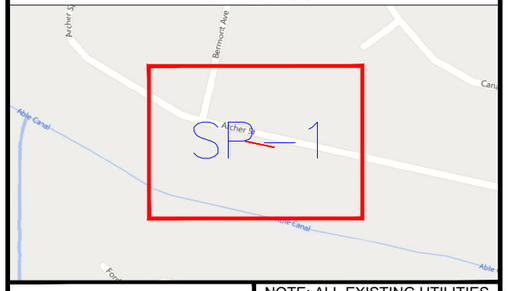


CONSTRUCTION NOTES

(2) 1.25" CONDUIT WITH 4" BORE.

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.

SHEET LAYOUT



NOTE: LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION.

NOTE: ALL EXISTING UTILITIES PLACED ON PRINTS FOR REFERENCE ONLY. (NOT TO SCALE)

Sunshine811

lumos™
INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

6030 BETHELVIEW RD, SUITE #301
PREPARED BY: CUMMING, GA 30040. USA
CENTILLION SOLUTIONS

PROJECT INFORMATION	
SITE NAME:	LE1_006_FDH_10
SITE ADDRESS:	1412 ARCHER ST
COUNTY:	LEE
APPROVER:	

0' 25' 50'
SCALE: 1"=50'

SUBMITTAL INFORMATION			
REV	DATE	DESCRIPTION	INIT
0	02/12/2026	PERMIT DRAWING	CENT
1	03/05/2026	PERMIT DRAWING	CENT
2	03/26/2026	PERMIT DRAWING	CENT
3	04/10/2026	PERMIT DRAWING	CENT

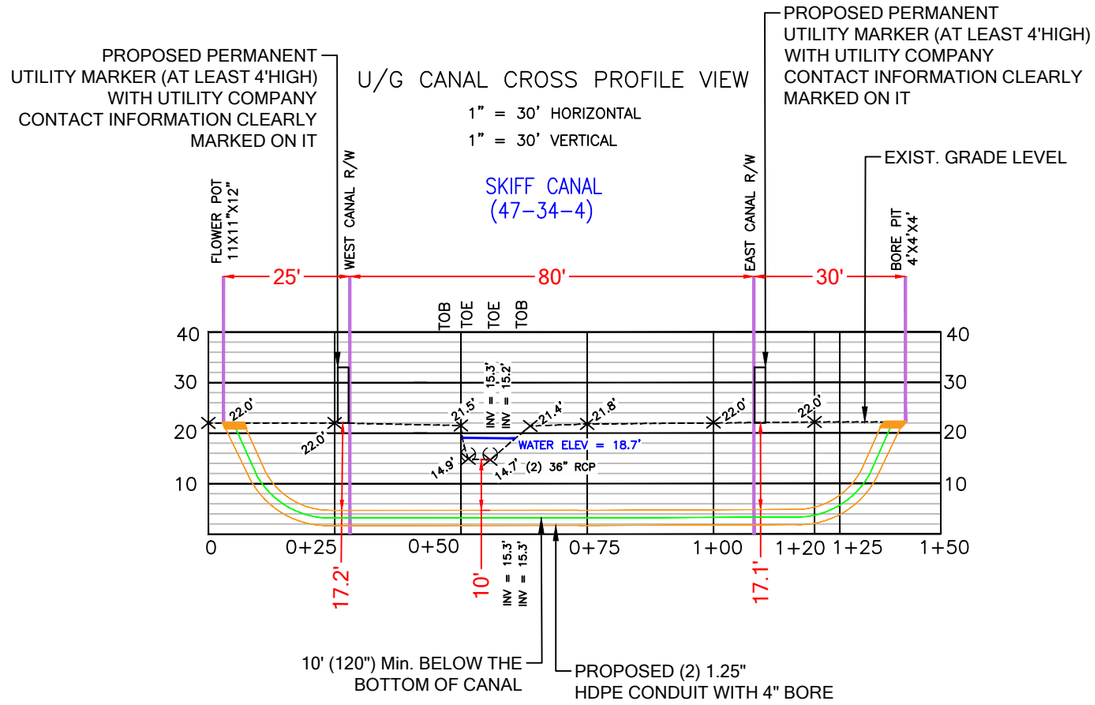
CONSTRUCTION NOTES:

BORE ALL BURIED ROUTES
. MIN DEPTH OF 36"
. ALL CABLE PLACED IN 1.25" HDPE 2' OFF ROW UNLESS SPECIFIED
. SIDEWALKS TO BE REPLACED JOINT TO JOINT
. PLACED AT BACK OF ROW

SHEET TITLE
CONSTRUCTION PLANS

SHEET NUMBER
SP-1

DRAWING SHEET
4 OF 6

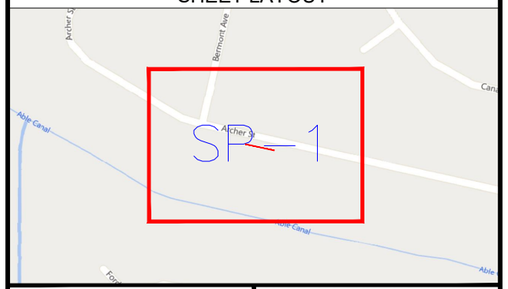


CONSTRUCTION NOTES

(2) 1.25" CONDUIT WITH 4" BORE.

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.

SHEET LAYOUT



NOTE: LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION.

NOTE: ALL EXISTING UTILITIES PLACED ON PRINTS FOR REFERENCE ONLY. (NOT TO SCALE)

Sunshine811

lumos™
INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

PREPARED BY: 6030 BETHELVIEW RD, SUITE #301 CUMMING, GA 30040. USA
CENTILLION SOLUTIONS

PROJECT INFORMATION

SITE NAME:	LE1_006_FDH_10
SITE ADDRESS:	1412 ARCHER ST
COUNTY:	LEE
APPROVER:	

0' 15' 30'
SCALE: 1"=30'

SUBMITTAL INFORMATION

REV	DATE	DESCRIPTION	INIT
0	02/12/2026	PERMIT DRAWING	CENT
1	03/05/2026	PERMIT DRAWING	CENT
2	03/26/2026	PERMIT DRAWING	CENT
3	04/10/2026	PERMIT DRAWING	CENT

CONSTRUCTION NOTES:

BORE ALL BURIED ROUTES
. MIN DEPTH OF 36"
. ALL CABLE PLACED IN 1.25" HDPE 2' OFF ROW UNLESS SPECIFIED
. SIDEWALKS TO BE REPLACED JOINT TO JOINT
. PLACED AT BACK OF ROW

SHEET TITLE
CONSTRUCTION PLANS

SHEET NUMBER
SP-1A

DRAWING SHEET
5 OF 6



BORE CROSSING
SKIFF CANAL
(47-34-4)

lumos™

INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

PREPARED BY:6030 BETHELVIEW RD,SUITE #301
CUMMING, GA 30040.USA

CENTILLION SOLUTIONS

PROJECT INFORMATION	
SITE NAME:	LE1_006_FDH_10
SITE ADDRESS:	1412 ARCHER ST
COUNTY:	LEE
APPROVER:	

SUBMITTAL INFORMATION			
REV	DATE	DESCRIPTION	INIT
0	02/12/2026	PERMIT DRAWING	CENT
1	03/05/2026	PERMIT DRAWING	CENT
2	03/26/2026	PERMIT DRAWING	CENT
3	04/10/2026	PERMIT DRAWING	CENT

CONSTRUCTION NOTES:

N

SHEET TITLE: IMAGE

SHEET NUMBER: SP-1B

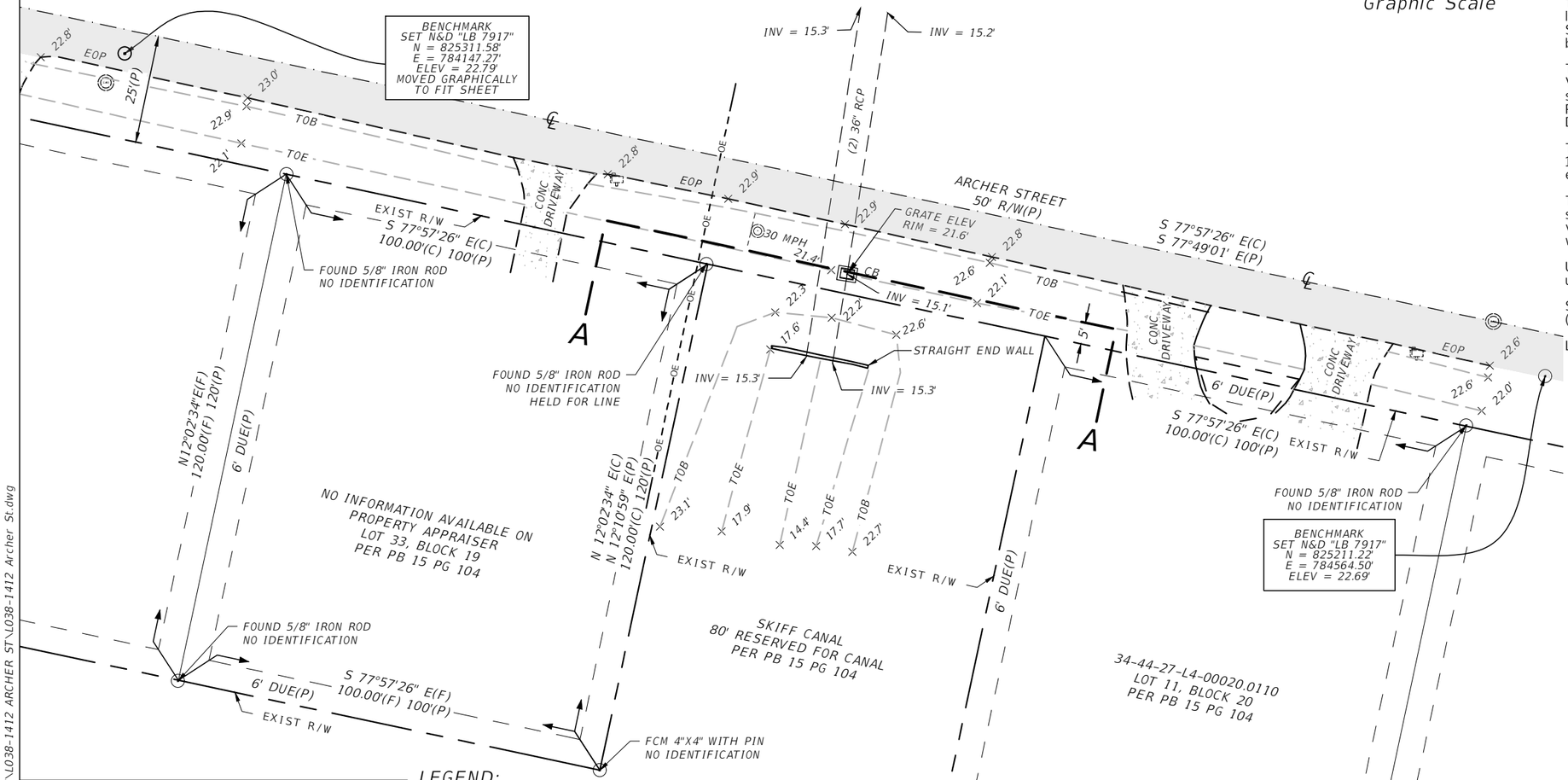
DRAWING SHEET: 6 OF 6

Topographic Survey of a Subject Project Site

lying within

Section 34, Township 44 South, Range 27 East

Lehigh Acres, Lee County, Florida



NOTES:

Survey based on the plat of Country Club Estates as recorded in Plat Book 15 Page 104, 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 Archer Street between Bermont Avenue and Kingston 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 0476F (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: 12/16/2025

TAYLOR J. HENNINGE License Number 7279 STATE OF FLORIDA Professional Surveyor and Mapper

Taylor Henninge 2026.01.15 13:46:56-05'00'

TAYLOR J. HENNINGE
PROFESSIONAL SURVEYOR AND MAPPER
FLORIDA CERTIFICATE NO. LS# 7279

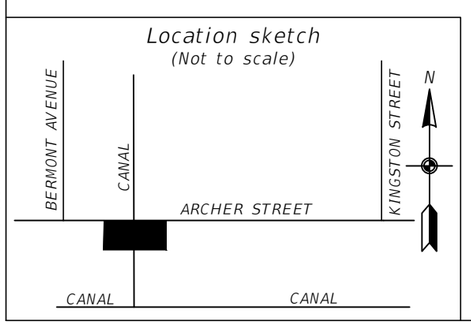
Not valid without the signature and the original seal of a Florida licensed surveyor and mapper.

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.

Archer 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
FCM	= FOUND CONCRETE MONUMENT	TWP	= TOWNSHIP
FIRC	= FOUND IRON ROD AND CAP	(TYP)	= TYPICAL
INST#	= INSTRUMENT NUMBER	DWY	= DRIVEWAY

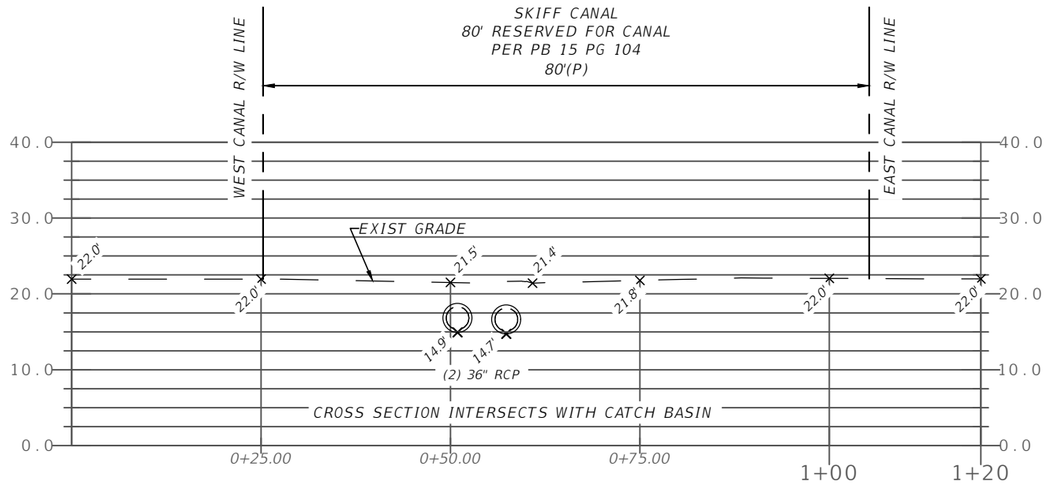
⊙	= FOUND MONUMENT
-OE-	= OVERHEAD UTILITY LINE
20.0	= SPOT ELEVATION
	= MAILBOX
	= MANHOLE SANITARY SEWER
	= STREET LIGHT
	= CATCH BASIN

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: L038-1412 Archer St.dwg	Field book/page: 10698-1/32	Project No.: 106980001-L038	
Survey date: 12/16/2025	Drawn by: KB	Checked by: TJH	Sheet No.: 01 OF 02

Topographic Survey of a
Subject Project Site
Section 34, 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

Archer 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.:
L038-1412 Archer St.dwg	10698-1/32	106980001-L038

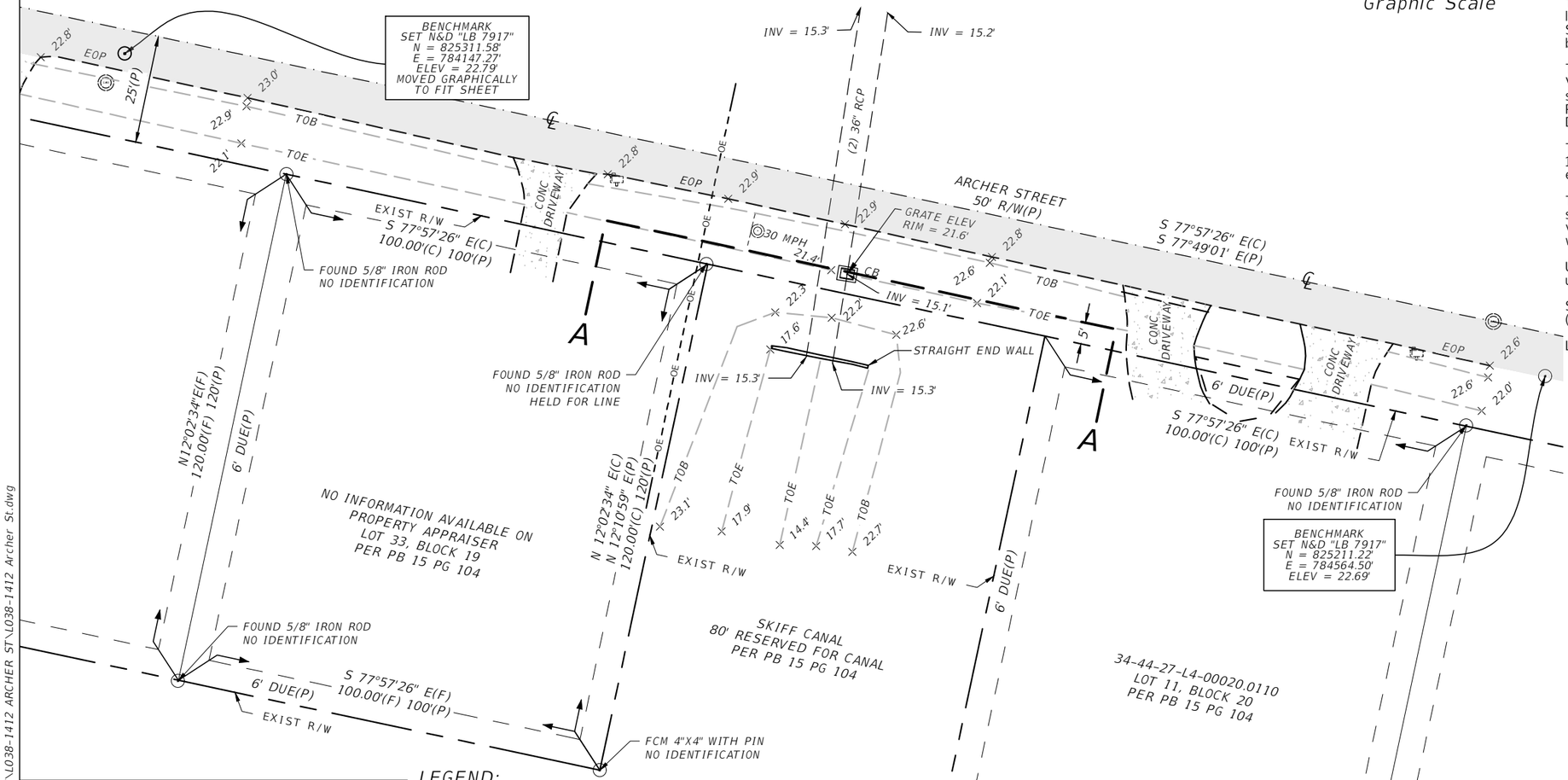
Survey date:	Drawn by:	Checked by:	Sheet No.:
12/16/2025	KB	TJH	02 OF 02

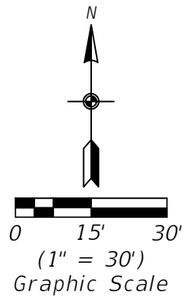
I:\10698\0001\Geomatics\90-WORK ORDERS\L038-1412 ARCHER ST\L038-1412 Archer St.dwg

Topographic Survey of a Subject Project Site

lying within

Section 34, Township 44 South, Range 27 East
Lehigh Acres, Lee County, Florida





NOTES:

Survey based on the plat of Country Club Estates as recorded in Plat Book 15 Page 104, 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 Archer Street between Bermont Avenue and Kingston 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.

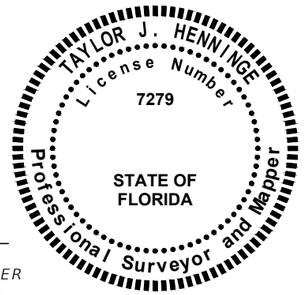
The subject site lies within Zone "X" per FEMA insurance rate map 125124 0476F (Published 08/28/2008), therefore has no base flood elevation.

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: 12/16/2025



TAYLOR J. HENNINGE
PROFESSIONAL SURVEYOR AND MAPPER
FLORIDA CERTIFICATE NO. LS# 7279

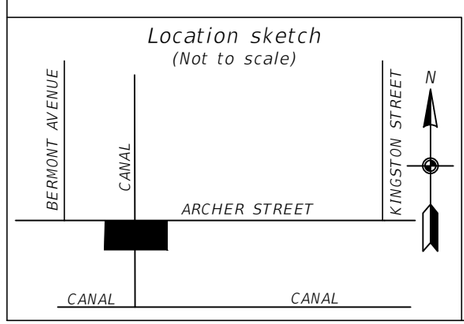
Not valid without the signature and the original seal of a Florida licensed surveyor and mapper.

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.

Archer Street, Lehigh Acres



LEGEND:

(C)	= CALCULATED	INV	= INVERT ELEVATION	⊙	= FOUND MONUMENT
(F)	= FIELD MEASURED	N&D	= NAIL AND DISK	-OE-	= OVERHEAD UTILITY LINE
(P)	= PER PLAT	NAVD 88	= NORTH AMERICAN VERTICAL DATUM 1988	+20.0	= SPOT ELEVATION
CB	= CATCH BASIN	OR	= OFFICIAL RECORDS BOOK		= MAILBOX
Δ	= DELTA ANGLE	PB	= PLAT BOOK		= MANHOLE SANITARY SEWER
℄	= CENTER LINE	PG	= PAGE		= STREET LIGHT
CONC	= CONCRETE	R/W	= RIGHT OF WAY		= CATCH BASIN
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		
FCM	= FOUND CONCRETE MONUMENT	TWP	= TOWNSHIP		
FIRC	= FOUND IRON ROD AND CAP	(TYP)	= TYPICAL		
INST#	= INSTRUMENT NUMBER	DWY	= DRIVEWAY		

TOPOGRAPHIC SURVEY-PLAN VIEW

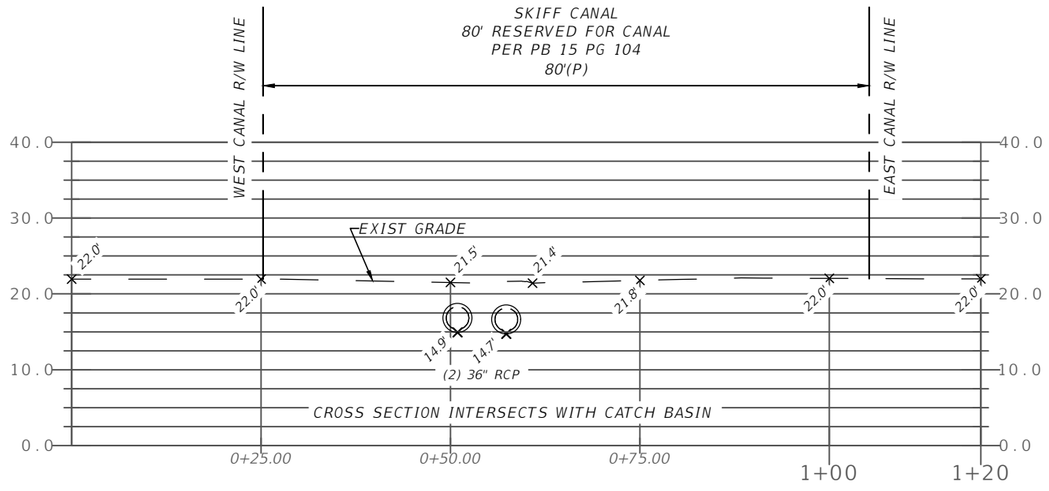
McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name:	Field book/page:	Project No.:
L038-1412 Archer St.dwg	10698-1/32	106980001-L038

Survey date:	Drawn by:	Checked by:	Sheet No.:
12/16/2025	KB	TJH	01 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L038-1412 ARCHER ST\L038-1412 Archer St.dwg

Topographic Survey of a
Subject Project Site
Section 34, 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

Archer Street, Lehigh Acres

TOPOGRAPHIC SURVEY-PROFILE VIEW

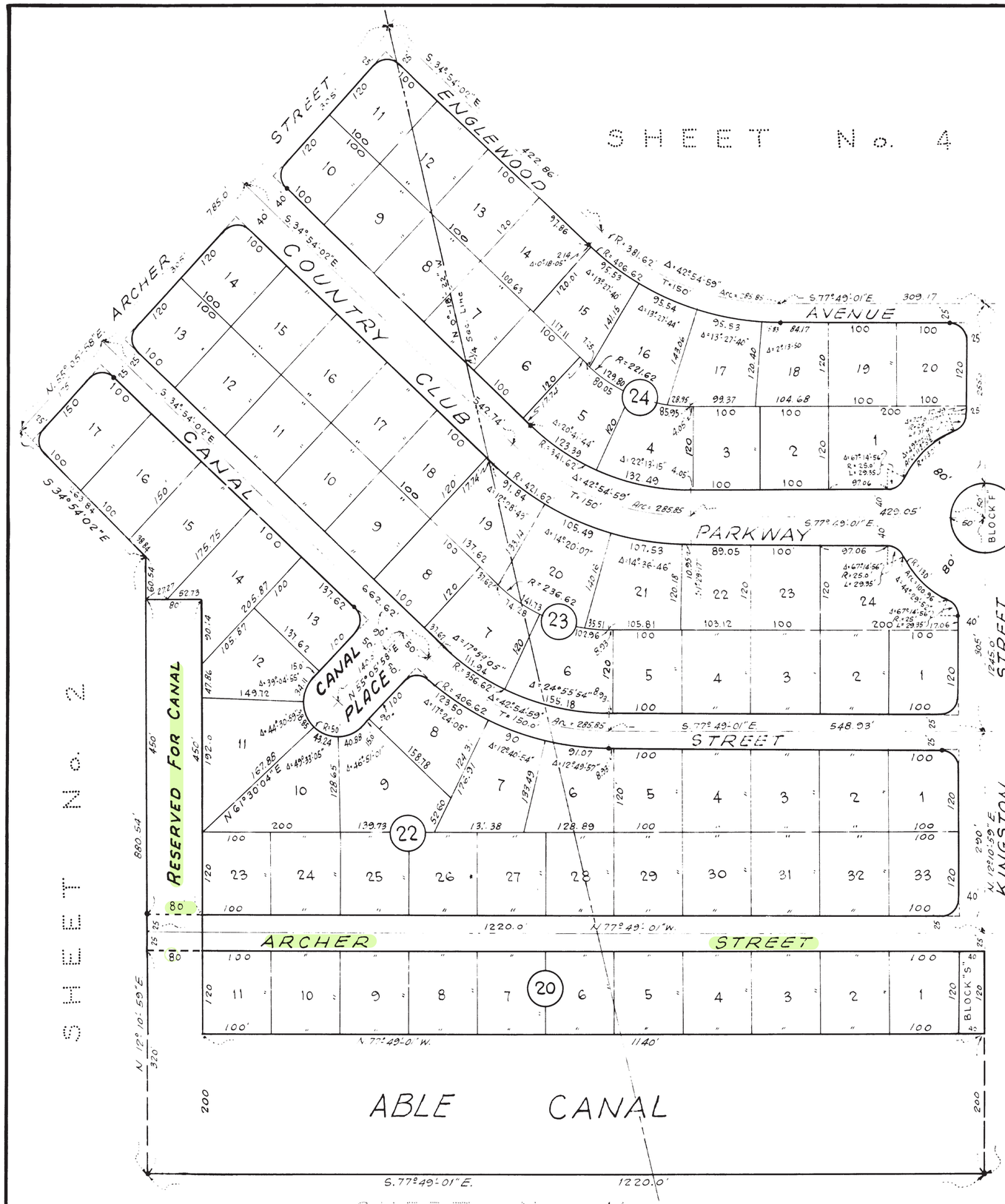
McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name:	Field book/page:	Project No.:
L038-1412 Archer St.dwg	10698-1/32	106980001-L038

Survey date:	Drawn by:	Checked by:	Sheet No.:
12/16/2025	KB	TJH	02 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L038-1412 ARCHER ST\L038-1412 Archer St.dwg

SHEET No. 4



SHEET No. 2

SHEET No. 11

COUNTRY CLUB ESTATES

SECTION 34, TWP. 44 S., RGE. 27 E.

A SUBDIVISION OF

LEHIGH ACRES

LEE COUNTY, FLORIDA

100 50 0 100 200

SCALE IN FEET

SHEET No. 3

All lots subject to a 6 foot Drainage and Utility Easement both sides, front and back.

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.

PLAT BOOK 15 PAGE 104

COUNTRY CLUB ESTATES

A SUBDIVISION OF

LEHIGH ACRES

LEE COUNTY, FLORIDA

LEE COUNTY LAND AND TITLE COMPANY

DEVELOPERS

DESCRIPTION

COMMENCE AT THE SOUTHWEST CORNER OF SECTION 34, TOWNSHIP 44 SOUTH, RANGE 27 EAST; LEE COUNTY, FLORIDA, THENCE NORTH 89°-15'-00" EAST ALONG THE SOUTH LINE OF SAID SECTION 34 A DISTANCE OF 5305.48 FEET TO THE SOUTHEAST CORNER THEREOF; THENCE NORTH 00°-29'-55" WEST ALONG THE EAST LINE OF SAID SECTION 34 A DISTANCE OF 5160.65 FEET TO A POINT IN THE SOUTHERLY RIGHT OF WAY LINE OF STATE ROAD No. S-873 ALSO KNOWN AS JOEL BOULEVARD, SAID POINT ALSO BEING THE P.C. OF A CURVE CONCAVE TO THE SOUTHEAST, SAID CURVE HAVING A DELTA ANGLE OF 55°-35'-53", A RADIUS OF 756.78 FEET, A TANGENT OF 399.0 FEET; THENCE FROM SAID P.C. ALONG THE SOUTHERLY RIGHT OF WAY OF SAID JOEL BOULEVARD AN ARC DISTANCE OF 734.36 FEET TO THE P.T. OF SAID CURVE; THENCE SOUTH 55°-05'-58" WEST A DISTANCE OF 5489.72 FEET TO THE P.C. OF A TANGENTIAL CURVE TO THE RIGHT HAVING A DELTA ANGLE OF 33°-52'-54", A RADIUS OF 756.78 FEET, A TANGENT OF 230.52 FEET THENCE SOUTHWESTERLY ALONG THE SOUTHERLY RIGHT OF WAY LINE AN ARC DISTANCE OF 447.52 FEET TO THE P.T. OF SAID CURVE; THENCE SOUTH 88°-58'-52" WEST A DISTANCE OF 17.06 FEET TO THE WEST LINE OF SAID SECTION 34; THENCE SOUTH 00°-06'-48" EAST A DISTANCE OF 1325.38 FEET TO THE SOUTHWEST CORNER OF SAID SECTION 34 AND THE POINT OF BEGINNING. LESS ALL PREVIOUSLY DEDICATED RIGHTS OF WAYS OF ABLE CANAL AS RECORDED IN DEED BOOK 298, PAGE 114 AND SOUTH BOUNDARY CANAL AS RECORDED IN DEED BOOK 288, PAGE 150 OF THE PUBLIC RECORDS OF 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 COUNTRY CLUB ESTATES.

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 4th DAY OF April 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 4th DAY OF April A.D. 1962

Jean Welelle
NOTARY PUBLIC STATE OF FLORIDA AT LARGE

My Commission Expires ... Notary Public, State of Florida at Large, My Commission Expires July 19, 1965 ...

APPROVALS

THIS PLAT APPROVED THIS 4 DAY OF april A.D. 1962 IN OPEN MEETING OF THE BOARD OF COUNTY COMMISSIONERS OF LEE COUNTY, FLORIDA

APPROVED Glenn L. Hunter
Chairman

D. Z. Zarahee
Clerk

County Attorney

Stanton L. Upjohn
County Engineer

I HEREBY CERTIFY THAT THIS PLAT OF COUNTRY CLUB ESTATES 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 4 DAY OF april A.D. 1962 AND DULY RECORDED IN PLAT BOOK 15 ON PAGES 104-113 OF PUBLIC RECORDS OF LEE COUNTY, FLORIDA.

D. Z. Zarahee
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 #26-34

Recommended Action

Engineering Review:

By: _____5/7/2026 **Approved _X_ Denied __**

District Field Review:

By: _____ Approved ___ Denied ___

District Manager: _____ Date: _____

Comments:

The referenced permit application for a boring under Skiff Canal (47-34-4) at Archer St , in Lehigh Acres, submitted by Lumos, 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
PERMIT

THIS PERMIT is granted this 18th day of May, 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 Jon Canal (47-34-3), along the south side of Archer St. between Lynne St. & Pierce 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. 26-35

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 #26-35 is approved according to the revised plans submitted April 30th, 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' width of 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 Archer St.

PART I

DATE SUBMITTED: 04-30-26

PERMIT #: 26-35

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_006_FDH_10_1452 Archer St – Jon Canal #47-34-3

TOTAL ACREAGE: NA

Property Address (STRAP associated with this address will be used as the primary STRAP for this project): **1452 Archer St**					
Mailing Address:	**NA**				
City:	**Lehigh Acres**	**State:**	**FL**	**Zip:**	**33936**

STRAP NUMBERS (attach additional sheet if necessary):

3	4	-	4	4	-	2	7	-	L	3	-	0	0	0	5	0	-	0	2	7	0
		-			-			-			-						-				
		-			-			-			-						-				
		-			-			-			-						-				
		-			-			-			-						-				

Brief description of proposed project:

Application for: Lumos proposes to install (1) 1.25" conduit(s) with an 80' UG bore utilizing a 2" bore head to cross the Jon Canal (47-34-3) at Archer St within MSID easement boundaries. This application covers the permanent underground installation only.

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)**

RECEIVED
APR 30 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	**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:	**Milenium Directional Drilling, Inc**						
Mailing Address:	**Street:**	**5395 Cogswell Dr**					
City:	**Wayne**	**State:**	**MI**		**Zip:**	**48184**	
Phone No.	**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:**	**GA**		**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:	**NA**						
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 April (m), 2026 (y), by William Kiefer who is personally know to me or has produced N/A as identification.

OFFICIAL SEAL
KYLE LEWIS PARKEY
NOTARY PUBLIC - ARIZONA
MARICOPA COUNTY
COMM# 691029
My Comm. Expires December 15, 2029

Kyle Parkey
SIGNATURE OF NOTARY PUBLIC

Kyle Lewis Parkey

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	**The thumb drives only have AutoCAD files of the plans** **Need the survey sheets as well and PDF files of plans and surveys**
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.

GRIDIRON
P.O. BOX 1028
WAYNESBORO, VA 22980

FIFTH THIRD BANK
13-31/420

60002667

02/12/2026

PAY TO THE ORDER OF LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

$ **$1,575.00

one thousand five hundred seventy-five and 00/100********** DOLLARS

VOID IF NOT CASHED IN 90 DAYS

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRI
601 East County Ln
Lehigh Acres FL 33936
United States

MEMO

MP

⑈60002667⑈ ⑆042000314⑆ 70291001625⑈

GRIDIRON 60002667

02/12/2026 404662 LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

Type	Ref. No.	Date	Description	Orig. Amt.	Amt. Due	Credit	Payment
Bill	35			$1,575.00	$1,575.00		$1,575.00

GRIDIRON 60002667

02/12/2026 404662 LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

Type	Ref. No.	Date	Description	Orig. Amt.	Amt. Due	Credit	Payment
Bill	35			$1,575.00	$1,575.00		$1,575.00

Permit # 26-35

Scanned with CamScanner

GRIDIRON
P.O. BOX 1028
WAYNESBORO, VA 22980

FIFTH THIRD BANK
13-31/420

60002727

03/05/2026

PAY TO THE ORDER OF LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT $ **$375.00

three hundred seventy-five and 00/100**********

DOLLARS

VOID IF NOT CASHED IN 90 DAYS

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRI
601 East County Ln
Lehigh Acres FL 33936
United States

MEMO

MP

⑈60002727⑈ ⑆042000314⑆ 7029100125⑈

GRIDIRON 60002727

03/05/2026 404662 LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

Type	Ref. No.	Date	Description	Orig. Amt.	Amt. Due	Credit	Payment
Bill	26-35			$375.00	$375.00		$375.00

Permit #26-35

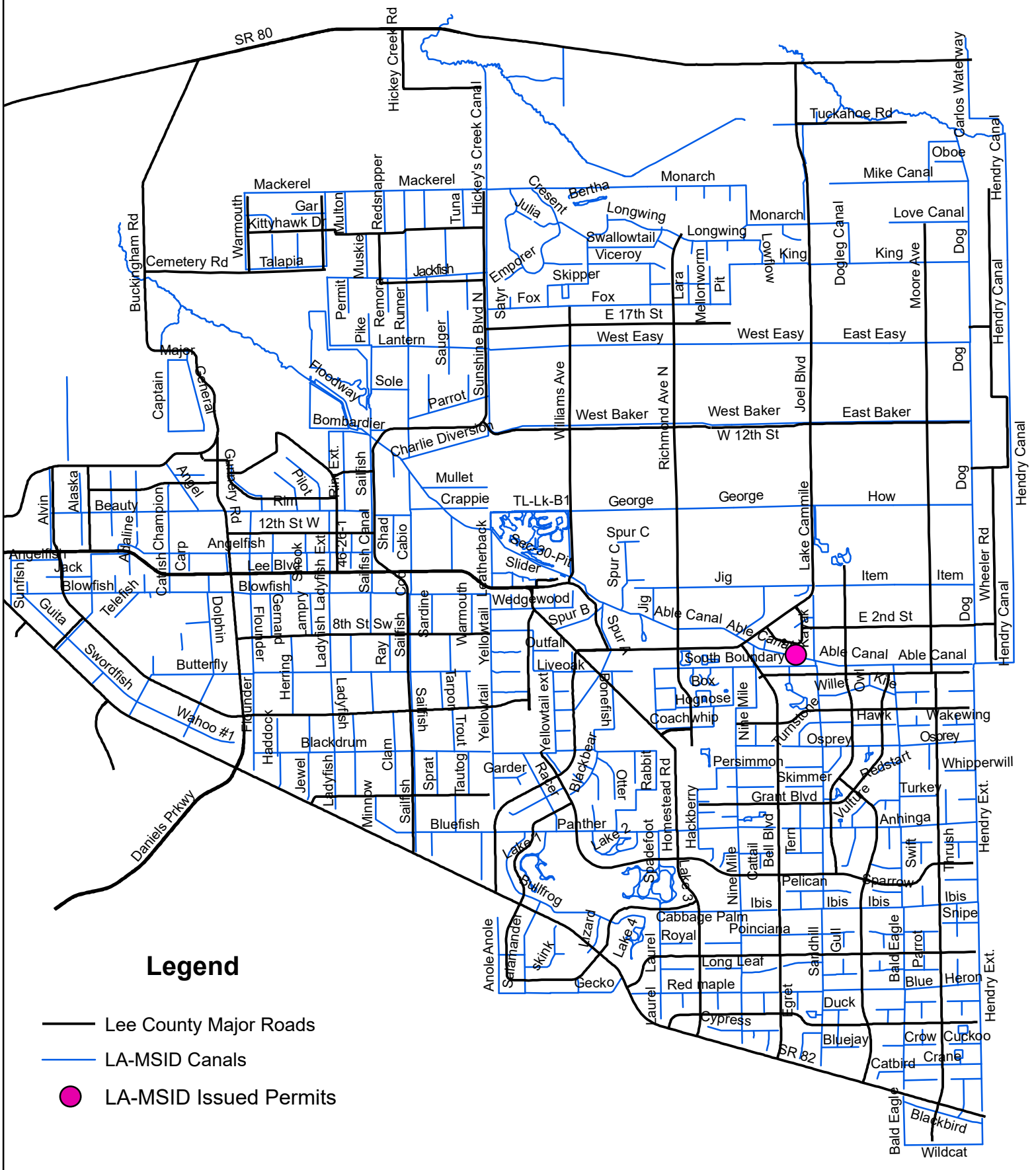
GRIDIRON 60002727

03/05/2026 404662 LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

Type	Ref. No.	Date	Description	Orig. Amt.	Amt. Due	Credit	Payment
Bill	26-35			$375.00	$375.00		$375.00

RECEIVED
MAR 09 2026
LEHIGH ACRES
MUNICIPAL SERVICES
IMPROVEMENT DISTRICT

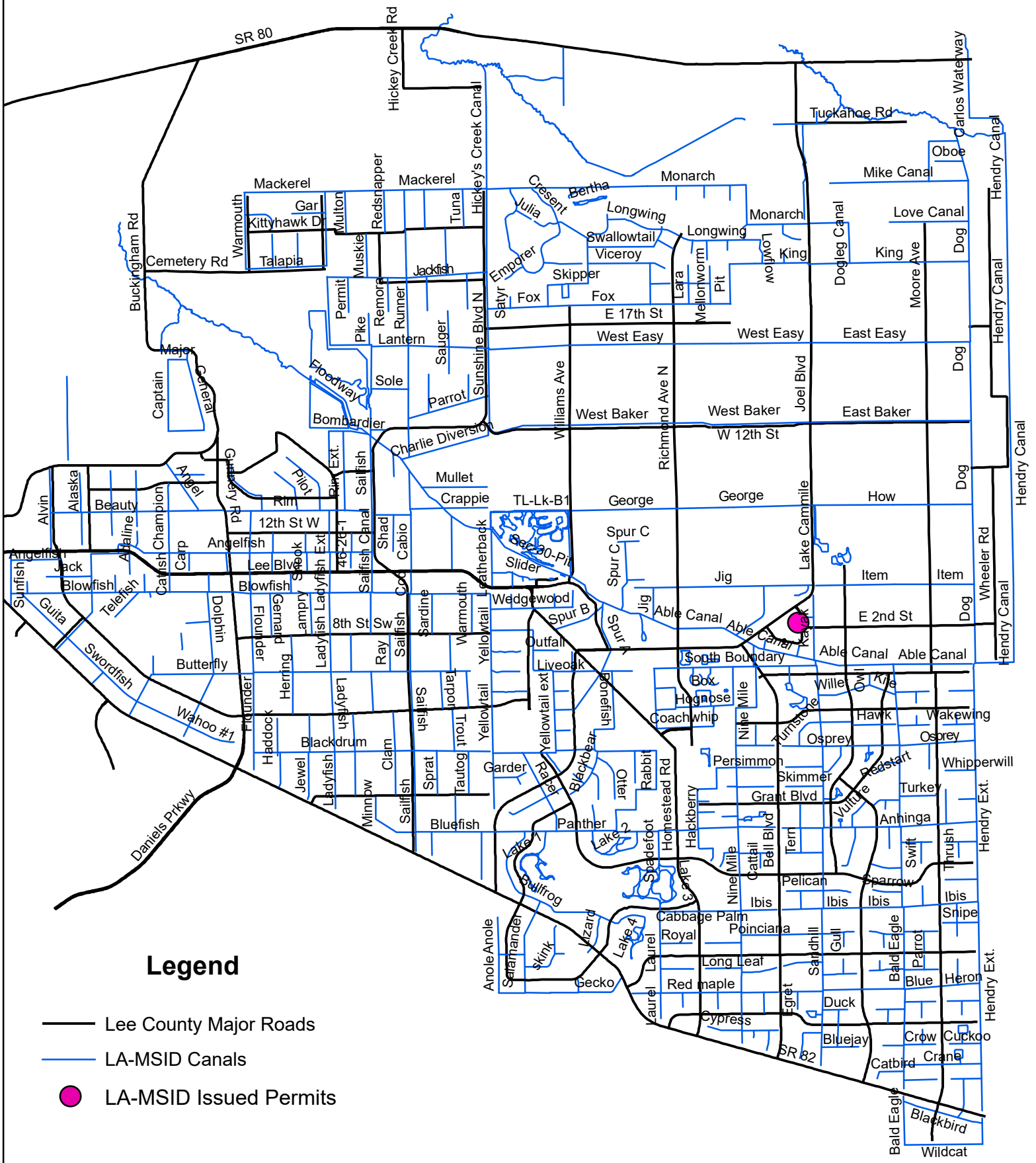
Permit # 2026-35



Legend

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

Permit # 2026-3



LUMOS NETWORKS
JOB NUMBER: R0LEEFL-006-10
ROUTE NAME: LE1_006_FDH_10

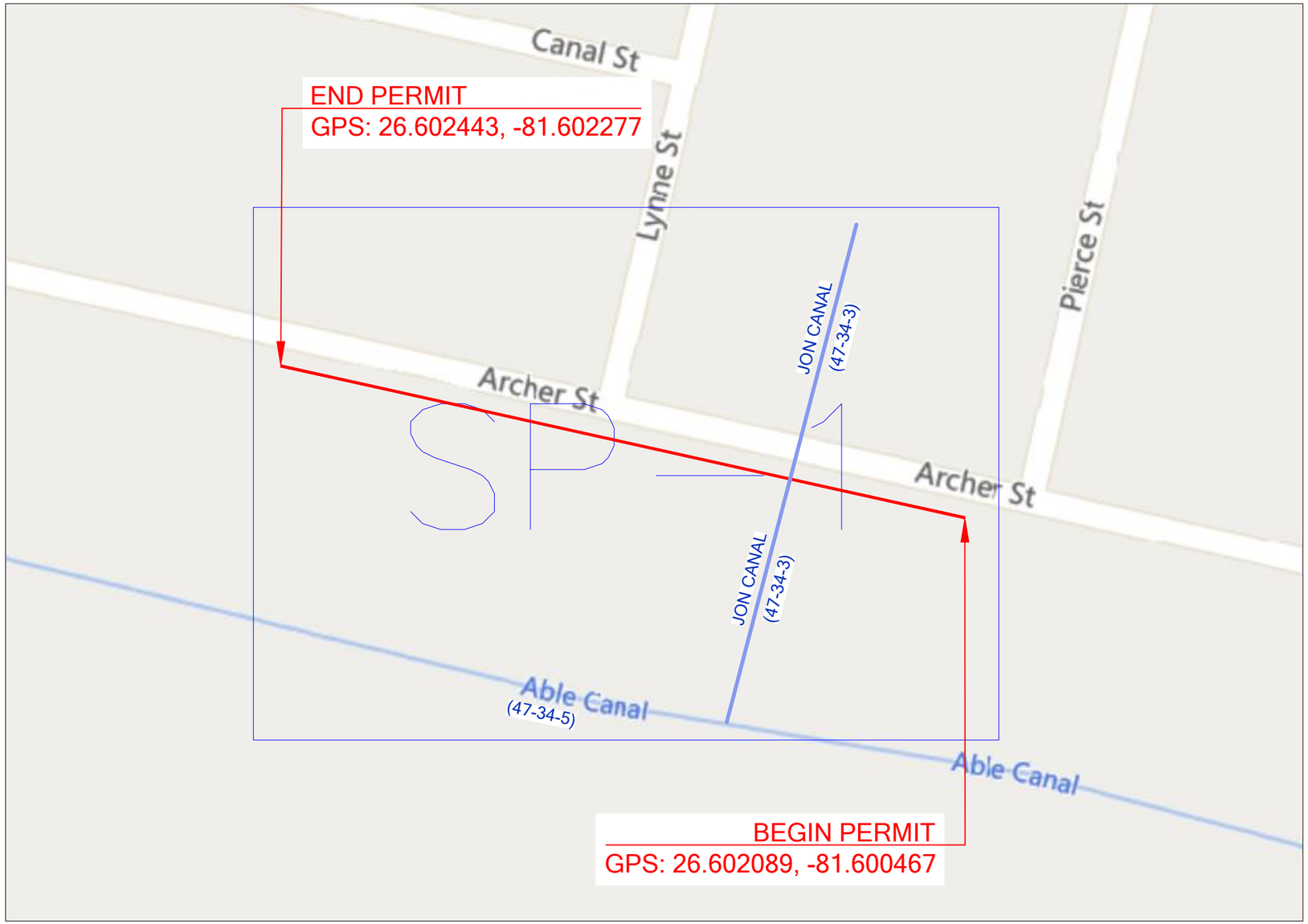
LUMOS PROPOSED FIBER OPTIC NETWORK PLACEMENT

CONSTRUCTION METHOD	FOOTAGE
UNDERGROUND	80′
AERIAL	0'

TOTAL PROPOSED FOOTAGE = 80′

INDEX TO SHEET

SHEET	TITLE
CV-1	LOCATION MAP
GN-1	LEGEND
GN-2	GENERAL NOTES AND CONSTRUCTION NOTE
SP-1	CONSTRUCTION PLANS
SP-A	PROFILE VIEW
SP-B	IMAGES



lumos™

INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

PREPARED BY:6030 BETHELVIEW RD,SUITE #301
CUMMING, GA 30040.USA

CENTILLION SOLUTIONS

PROJECT INFORMATION	
SITE NAME:	LE1_006_FDH_10
SITE ADDRESS:	1452 ARCHER ST
COUNTY:	LEE
APPROVER:	

SUBMITTAL INFORMATION			
REV	DATE	DESCRIPTION	INIT
0	03/03/2026	PERMIT DRAWING	CENT
1	04/10/2026	PERMIT DRAWING	CENT

CONSTRUCTION NOTES:

N

SHEET TITLE
LOCATION MAP

SHEET NUMBER
CV-1

DRAWING SHEET
1 OF 6

LUMOS:

NAME: JASON BUSH
CELL: (850)428 - 1313

UTILITIES:

FL811 (800-432-4770)

CENTILLION:

CRAIG BLACK - PROJECT MANAGER
(CELL)720-597-5320

PERMITS:

LEHIGH ACRES MSID - PERMIT NUMBER

LINETYPE LEGEND

EOP	= EX. EDGE OF PAVEMENT
C/L	= EX. CENTER LINE
R/W	= EX. RIGHT OF WAY
ESMT	= EX. EASEMENT
	= EX. PROPERTY LINE
	= EX. BUILDING EDGE
OHF OHF	= EX. OVERHEAD FIBER
BFO BFO	= EX. BURIED FIBER
EX_STRAND	= EX. STRAND
	= EX. FENCE
GR GR	= EX. GUARDRAIL
	= RAILROAD
DB	= DIRECTIONAL BORE
	= WATER BODY
	= CULVERT
OHF OHF	= PROP. OVERHEAD FIBER
BFO BFO	= PROP. BURIED FIBER
	= PROP. CONDUIT
Strand Strand	= PROP. STRAND
	= PROP. MULTIPORT TAIL
SD	= STORM DRAINAGE
SS	= SEWER LINE
W	= WATER LINE
T	= TELCO LINE
TV	= CABLE TV LINE
E	= ELECTRIC LINE
TRAFF	= TRAFFIC LINE
G	= GAS LINE
	= DITCH LINE

SYMBOL LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	PROPOSED ANCHOR & GUY		DUCT COUNT
	FOREIGN/EXISTING ANCHOR & GUY		FIRE HYDRANT
	MGNV		WATER VALVE / METER
	JOINT USE POLE	W	WATER MANHOLE
	POWER POLE	S	SEWER MANHOLE
	COMMUNICATION POLE	SD	STORM MANHOLE
S	STEEL POLE		STORM INLET / CATCH BASIN
	CATV POLE	G	GAS VALVE / METER
	PROPOSED POLE	P	ELECTRIC MANHOLE
R	RISER	P	ELECTRIC HANDHOLE
	PROPOSED STORAGE LOOP		STREET LIGHT
	FIBER SPLICE	ELEC BOX	BURIED TRANSFORMER
	MIDSHEATH SPLICE	TRAF	TRAFFIC HANDHOLE
	TO C.O.		TRAFFIC POLE / SIGNAL
SPLT	SPLITTER HANDHOLE (13"X24"X18")	T	TELCO MANHOLE
SM	SMALL HANDHOLE (17"X30"X24")	TL	TELCO HANDHOLE
MED	MEDIUM HANDHOLE (24"X36"X24")	T	TELCO PEDESTAL
LHH	LARGE HANDHOLE (30"X48"X24")	CV	CABLE TV HANDHOLE
HH	EXISTING HANDHOLE	CV	CABLE TV PEDESTAL
P	PROPOSED PEDESTAL	1X8	PROPOSED 1x8 SPLITTER
P	EXISTING PEDESTAL	1X4	PROPOSED 1x4 SPLITTER
	PROPOSED FP		SIGN
	TREE		BORE PIT

INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

PREPARED BY:6030 BETHELVIEW RD,SUITE #301
CUMMING, GA 30040.USA

PROJECT INFORMATION	
SITE NAME:	LE1_006_FDH_10
SITE ADDRESS:	1452 ARCHER ST
COUNTY:	LEE
APPROVER:	

SUBMITTAL INFORMATION			
REV	DATE	DESCRIPTION	INIT
0	03/03/2026	PERMIT DRAWING	CENT
1	04/10/2026	PERMIT DRAWING	CENT

CONSTRUCTION NOTES:

N

SHEET TITLE
LEGEND

SHEET NUMBER
GN-1

DRAWING SHEET
2 OF 6

AERIAL & U/G NOTES

ALL PROPOSED CONSTRUCTION WILL BE PER FDOT SPECIFICATIONS AS WELL AS ALL NESC SAFETY CODES.

ALL PROPOSED CATV WILL BE WITHIN THE FDOT RIGHT-OF-WAY.

ALL AERIAL CANAL RIGHT-OF-WAY CROSSINGS MUST BE A MINIMUM 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 BURIED A MINIMUM OF 40" 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 PARALLEL 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 FDOT RIGHT-OF-WAY.

ALL WORK PERFORMED WITHIN THE FDOT RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH FDOT 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.

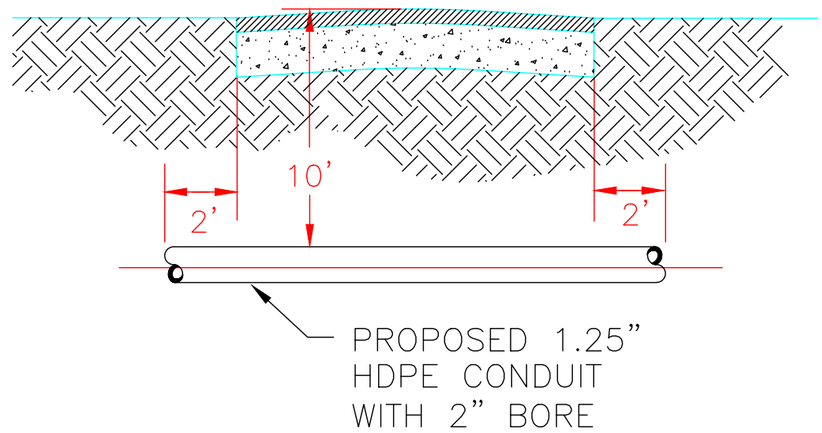
IT WILL BE THE RESPONSIBILITY OF THE PERMITTEE TO REPAIR ANY DAMAGE TO FDOT FACILITIES CAUSED BY THE CONSTRUCTION OF THE PROJECT.

ALL CONCRETE SHALL BE 3,000 PSI. APPROVED FDOT MIX DESIGN.

UTILITIES CONTACT

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT
MICHAEL COOK
(239) 366-0044 Ext. 16
MCOOK@LA-MSID.COM
STORM WATER/CANALS

LUMOS
JASON BUSH
CONSTRUCTION MANAGER
(JASON.BUSH@LUMOSFIBER.COM)
941-812-2913



TYPICAL DRIVEWAY DIRECTIONAL BORE

N.T.S.

MOT NOTES

TRAFFIC CONTROL SHALL COMPLY WITH FEDERAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND F.D.O.T. DESIGN STANDARD #NO. 600.

INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

PREPARED BY:6030 BETHELVIEW RD,SUITE #301
CUMMING, GA 30040.USA

CENTILLION SOLUTIONS

PROJECT INFORMATION	
SITE NAME:	LE1_006_FDH_10
SITE ADDRESS:	1452 ARCHER ST
COUNTY:	LEE
APPROVER:	

SUBMITTAL INFORMATION			
REV	DATE	DESCRIPTION	INIT
0	03/03/2026	PERMIT DRAWING	CENT
1	04/10/2026	PERMIT DRAWING	CENT

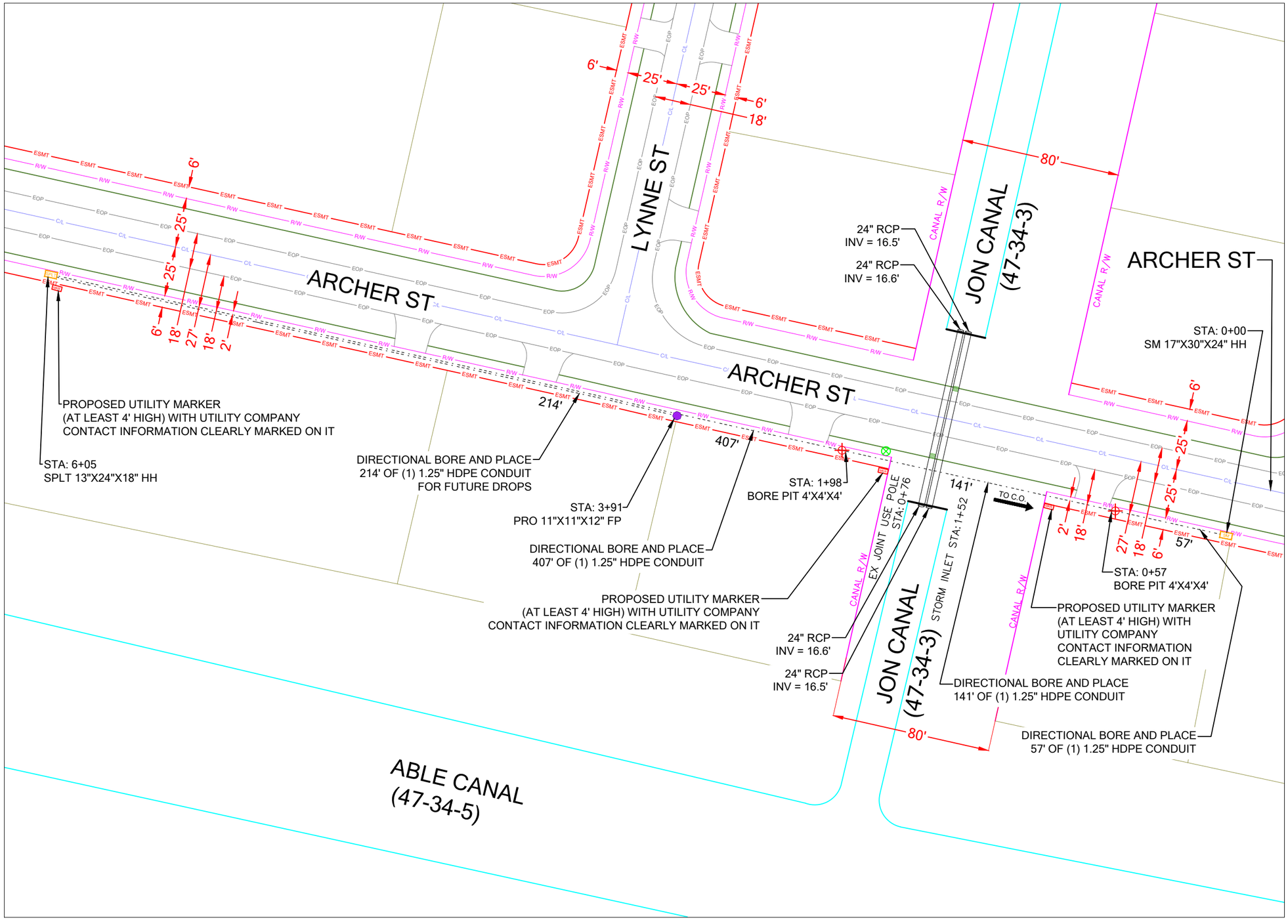
CONSTRUCTION NOTES:

N

SHEET TITLE
GENERAL NOTES

SHEET NUMBER
GN-2

DRAWING SHEET
3 OF 6

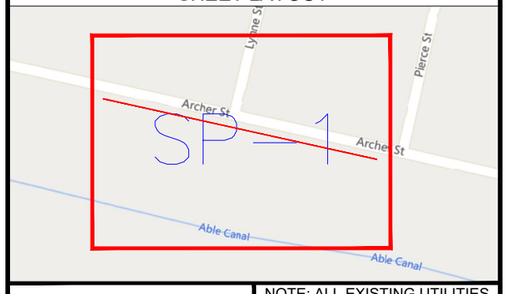


CONSTRUCTION NOTES

(1) 1.25" CONDUIT WITH 2" BORE.

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.

SHEET LAYOUT



NOTE: LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION.

NOTE: ALL EXISTING UTILITIES PLACED ON PRINTS FOR REFERENCE ONLY. (NOT TO SCALE)

Sunshine811

lumos™
INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

PREPARED BY: 6030 BETHELVIEW RD, SUITE #301
CUMMING, GA 30040. USA
CENTILLION SOLUTIONS

PROJECT INFORMATION	
SITE NAME:	LE1_006_FDH_10
SITE ADDRESS:	1452 ARCHER ST
COUNTY:	LEE
APPROVER:	

0' 25' 50'
SCALE: 1"=50'

SUBMITTAL INFORMATION			
REV	DATE	DESCRIPTION	INIT
0	03/03/2026	PERMIT DRAWING	CENT
1	04/10/2026	PERMIT DRAWING	CENT

CONSTRUCTION NOTES:

BORE ALL BURIED ROUTES
. MIN DEPTH OF 36"
. ALL CABLE PLACED IN 1.25" HDPE 2' OFF ROW UNLESS SPECIFIED
. SIDEWALKS TO BE REPLACED JOINT TO JOINT
. PLACED AT BACK OF ROW

SHEET TITLE
CONSTRUCTION PLANS

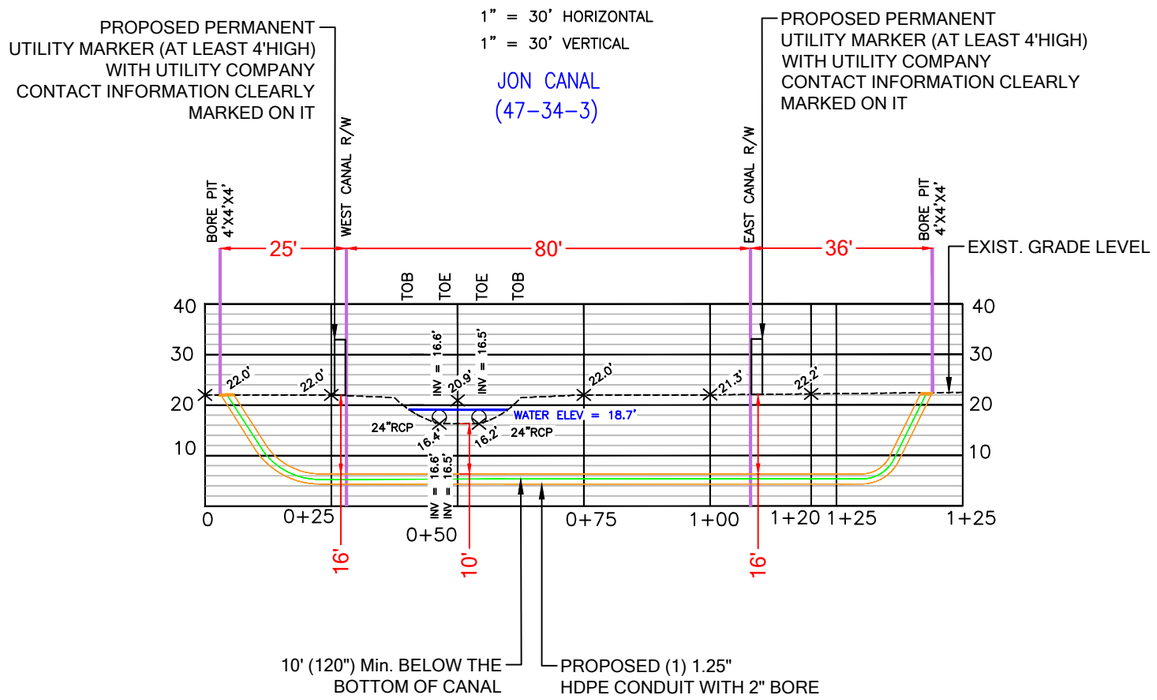
SHEET NUMBER
SP-1

DRAWING SHEET
4 OF 6

U/G CANAL CROSS PROFILE VIEW

1" = 30' HORIZONTAL
1" = 30' VERTICAL

JON CANAL
(47-34-3)



CONSTRUCTION NOTES

(1) 1.25" CONDUIT WITH 2" BORE.

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.

SHEET LAYOUT



NOTE: LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION.

NOTE: ALL EXISTING UTILITIES PLACED ON PRINTS FOR REFERENCE ONLY. (NOT TO SCALE)

Sunshine811

INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

PREPARED BY: 6030 BETHELVIEW RD, SUITE #301 CUMMING, GA 30040. USA
CENTILLION SOLUTIONS

PROJECT INFORMATION	
SITE NAME:	LE1_006_FDH_10
SITE ADDRESS:	1452 ARCHER ST
COUNTY:	LEE
APPROVER:	

0' 15' 30'
SCALE: 1"=30'

SUBMITTAL INFORMATION

REV	DATE	DESCRIPTION	INIT
0	03/03/2026	PERMIT DRAWING	CENT
1	04/10/2026	PERMIT DRAWING	CENT

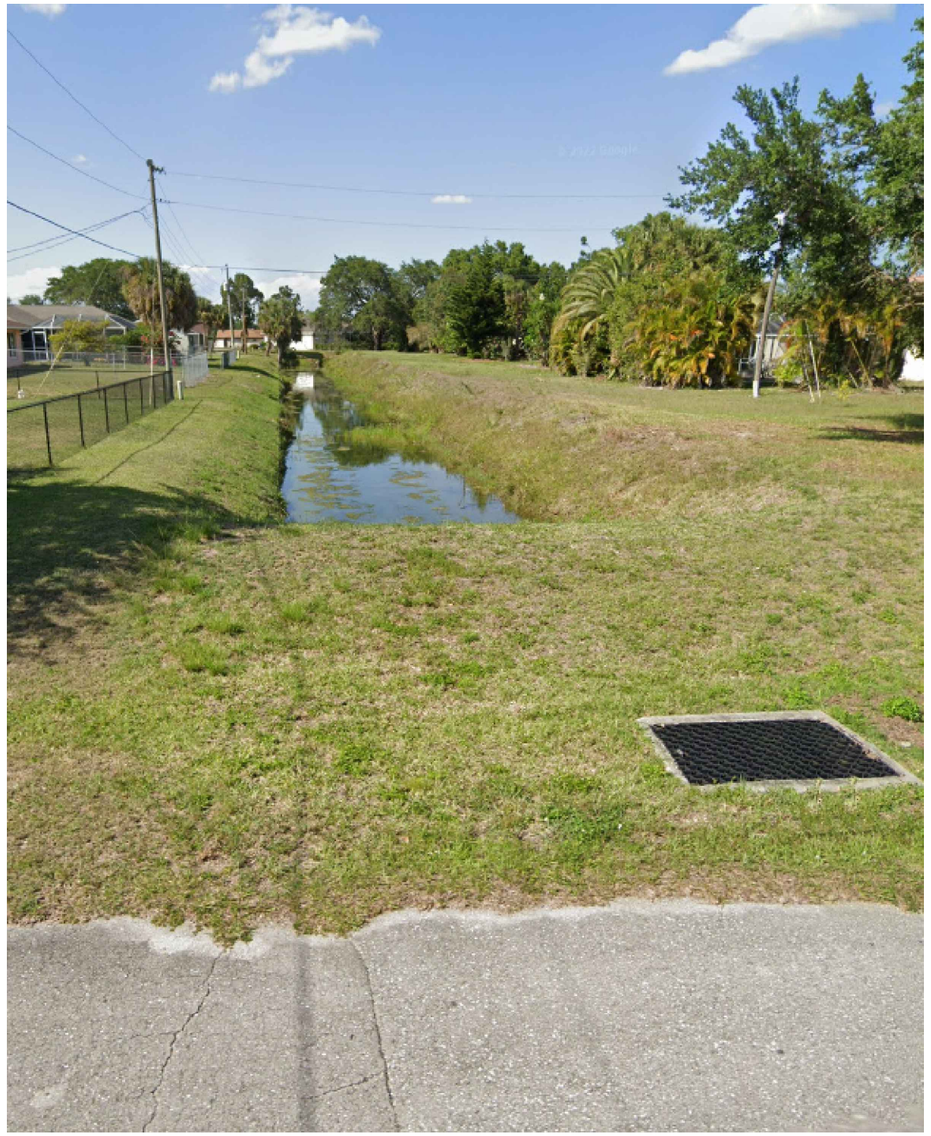
CONSTRUCTION NOTES:

BORE ALL BURIED ROUTES
. MIN DEPTH OF 36"
. ALL CABLE PLACED IN 1.25" HDPE 2' OFF ROW UNLESS SPECIFIED
. SIDEWALKS TO BE REPLACED JOINT TO JOINT
. PLACED AT BACK OF ROW

SHEET TITLE
CONSTRUCTION PLANS

SHEET NUMBER
SP-1A

DRAWING SHEET
5 OF 6



BORE CROSSING
JON CANAL
(47-34-3)

lumos™
INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

PREPARED BY:6030 BETHELVIEW RD,SUITE #301
CUMMING, GA 30040.USA
CENTILLION SOLUTIONS

PROJECT INFORMATION	
SITE NAME:	LE1_006_FDH_10
SITE ADDRESS:	1452 ARCHER ST
COUNTY:	LEE
APPROVER:	

SUBMITTAL INFORMATION			
REV	DATE	DESCRIPTION	INIT
0	03/03/2026	PERMIT DRAWING	CENT
1	04/10/2026	PERMIT DRAWING	CENT

CONSTRUCTION NOTES:

N

SHEET TITLE: IMAGE

SHEET NUMBER: SP-1B

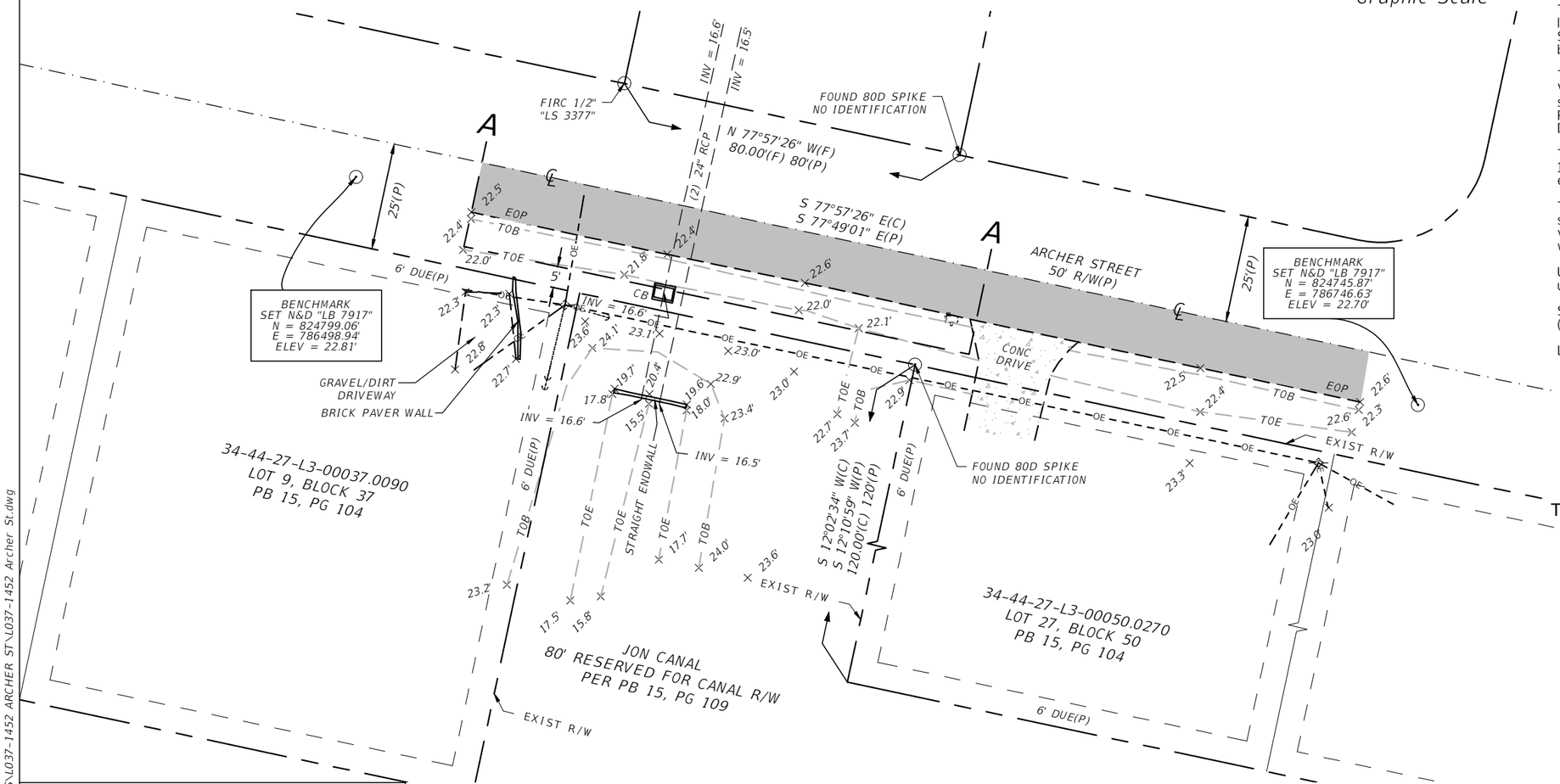
DRAWING SHEET: 6 OF 6

Topographic Survey of a Subject Project Site

lying within

Section 34, Township 44 South, Range 27 East
Lehigh Acres, Lee County, Florida

SEE SHEET 02 FOR 1" = 20'
SECTION A-A PROFILE VIEW



NOTES:

Survey based on the plat of Country Club Estates as recorded in Plat Book 15 Page 105, 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 Archer Street between Lynne Street and Pierce 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 0476F (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: 12/06/2025

Taylor Henninge 2026.01.15 14:40:43-05'00'

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.

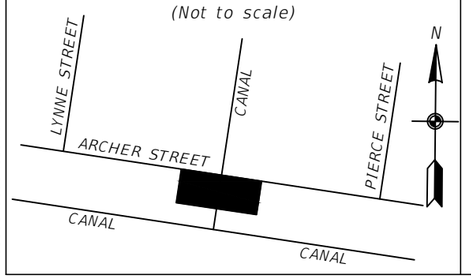
This survey is only for the lands as described. It is not a certificate of title, zoning, easements or freedom of encumbrances.

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.

Archer 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
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
= GUY ANCHOR
= MAILBOX

TOPOGRAPHIC SURVEY-PLAN VIEW

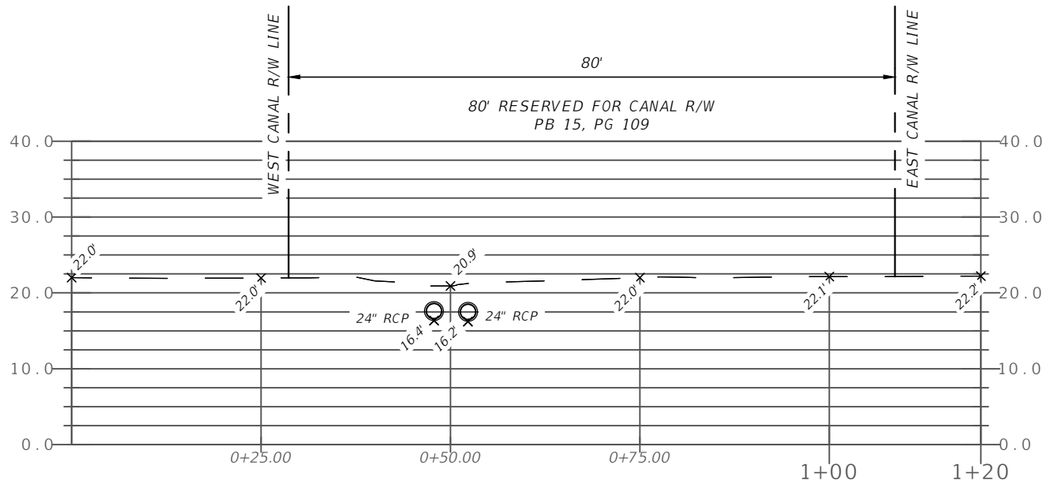
McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name:	Field book/page:	Project No.:
L037-1452 Archer St.dwg	106981-1/33	106980001-L037

Survey date:	Drawn by:	Checked by:	Sheet No.:
12/06/2025	KB	TJH	01 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L037-1452 ARCHER ST\L037-1452 Archer St.dwg

Topographic Survey of a
Subject Project Site
Section 34, 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

Archer 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.:
L037-1452 Archer St.dwg	106981-1/33	106980001-L037

Survey date:	Drawn by:	Checked by:	Sheet No.:
12/06/2025	KB	TJH	02 OF 02

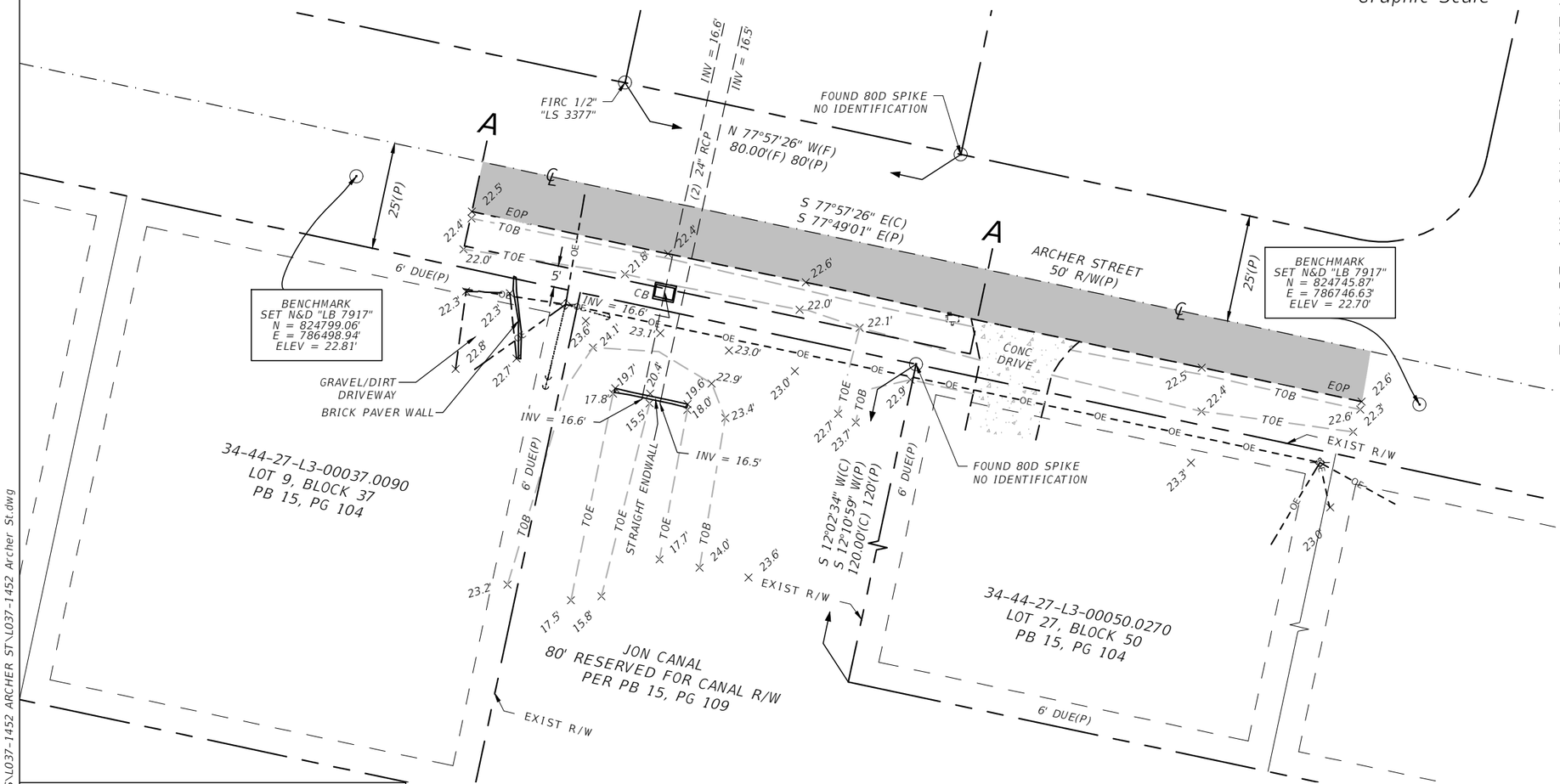
I:\10698\0001\Geomatics\90-WORK ORDERS\L037-1452 ARCHER ST\L037-1452 Archer St.dwg

Topographic Survey of a Subject Project Site

lying within

Section 34, Township 44 South, Range 27 East
Lehigh Acres, Lee County, Florida

SEE SHEET 02 FOR 1" = 20'
SECTION A-A PROFILE VIEW



NOTES:

Survey based on the plat of Country Club Estates as recorded in Plat Book 15 Page 105, 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 Archer Street between Lynne Street and Pierce 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 0476F (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: 12/06/2025

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.

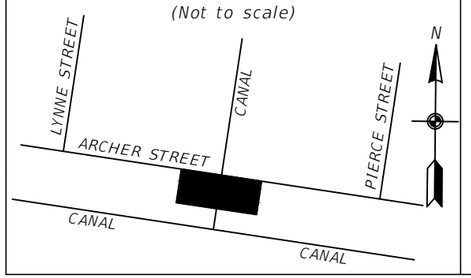
This survey is only for the lands as described. It is not a certificate of title, zoning, easements or freedom of encumbrances.

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.

Archer 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
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
= GUY ANCHOR
= MAILBOX

TOPOGRAPHIC SURVEY-PLAN VIEW

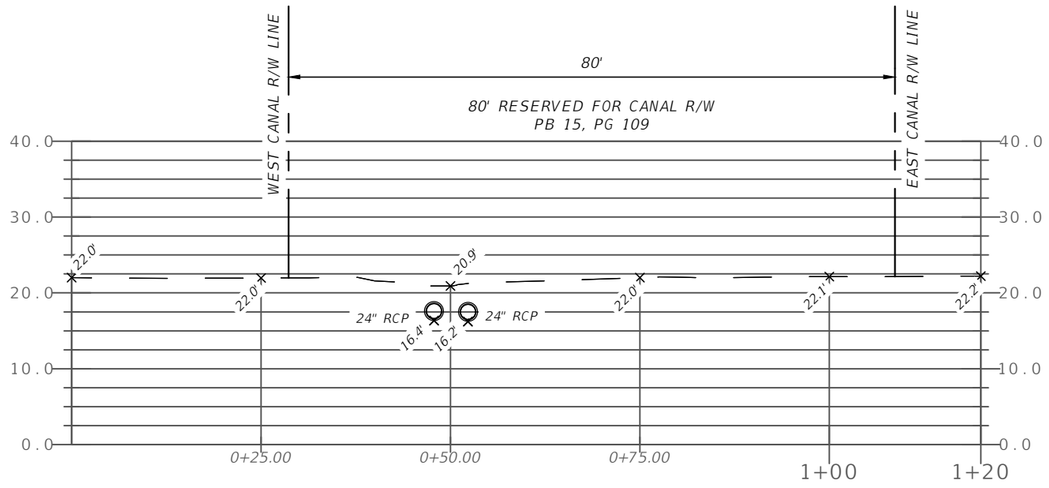
McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name:	Field book/page:	Project No.:
L037-1452 Archer St.dwg	106981-1/33	106980001-L037

Survey date:	Drawn by:	Checked by:	Sheet No.:
12/06/2025	KB	TJH	01 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L037-1452 ARCHER ST\L037-1452 Archer St.dwg

Topographic Survey of a
Subject Project Site
Section 34, 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

Archer 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.:
L037-1452 Archer St.dwg	106981-1/33	106980001-L037

Survey date:	Drawn by:	Checked by:	Sheet No.:
12/06/2025	KB	TJH	02 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L037-1452 ARCHER ST\L037-1452 Archer St.dwg

PLAT BOOK 15 PAGE 109


SHEET No. 5
SHEET No. 4
SHEET No. 6
FLAGLER AVENUE
ENGLEWOOD AVENUE
COUNTRY CLUB
CANAL STREET
ARCHER STREET
KINGSTON
LYNNE STREET
RESERVED FOR CANAL
PIERCE STREET
NEWBERN AVE.
PARKWAY
ABLE CANAL
BLOCK F
BLOCK T
33
34
35
36
37
47
S 77°-49'-01" E 746.46'
S 77°-49'-01" E 1112.61'
S 77°-49'-01" E 792.97'
S 77°-49'-01" E 865.0'
S 77°-49'-01" E 1010.0'
N 77°-49'-01" W. 1090.0'
S 12°-10'-59" W. 345.0'
S 12°-10'-59" W. 562.54'
S 00°-29'-55" E 263.09'
S 39°-09'-28" E 246.07'
N 12°-10'-59" E 1535.0'
N 12°-10'-59" E 290'
S 12°-10'-59" W. 230'
S 12°-10'-59" W. 370'
Δ=12°-40'-54" R=659.62 Arc=140.46
Δ=6°-44'-19" R=670.92 Arc=78.54
Δ=5°-51'-35" R=667.46 Arc=67.46
Δ=102°-40'-54" R=100 Arc=179.23
Δ=38°-08'-52" R=270.00 Arc=179.83
Δ=38°-08'-52" R=270.00 Arc=179.83
Δ=38°-08'-52" Arc=186.42
Δ=102°-40'-54" R=300 Arc=537.46
Δ=38°-08'-52" R=359.99 Arc=239.68
Δ=38°-08'-52" R=359.99 Arc=239.68
Δ=38°-08'-52" R=359.99 Arc=239.68

PLAT BOOK 15 PAGE 104

COUNTRY CLUB ESTATES

A SUBDIVISION OF

LEHIGH ACRES

LEE COUNTY, FLORIDA

LEE COUNTY LAND AND TITLE COMPANY

DEVELOPERS

DESCRIPTION

COMMENCE AT THE SOUTHWEST CORNER OF SECTION 34, TOWNSHIP 44 SOUTH, RANGE 27 EAST; LEE COUNTY, FLORIDA, THENCE NORTH 89°-15'-00" EAST ALONG THE SOUTH LINE OF SAID SECTION 34 A DISTANCE OF 5305.48 FEET TO THE SOUTHEAST CORNER THEREOF; THENCE NORTH 00°-29'-55" WEST ALONG THE EAST LINE OF SAID SECTION 34 A DISTANCE OF 5160.65 FEET TO A POINT IN THE SOUTHERLY RIGHT OF WAY LINE OF STATE ROAD No. S-873 ALSO KNOWN AS JOEL BOULEVARD, SAID POINT ALSO BEING THE P.C. OF A CURVE CONCAVE TO THE SOUTHEAST, SAID CURVE HAVING A DELTA ANGLE OF 55°-35'-53", A RADIUS OF 756.78 FEET, A TANGENT OF 399.0 FEET; THENCE FROM SAID P.C. ALONG THE SOUTHERLY RIGHT OF WAY OF SAID JOEL BOULEVARD AN ARC DISTANCE OF 734.36 FEET TO THE P.T. OF SAID CURVE; THENCE SOUTH 55°-05'-58" WEST A DISTANCE OF 5489.72 FEET TO THE P.C. OF A TANGENTIAL CURVE TO THE RIGHT HAVING A DELTA ANGLE OF 33°-52'-54", A RADIUS OF 756.78 FEET, A TANGENT OF 230.52 FEET THENCE SOUTHWESTERLY ALONG THE SOUTHERLY RIGHT OF WAY LINE AN ARC DISTANCE OF 447.52 FEET TO THE P.T. OF SAID CURVE; THENCE SOUTH 88°-58'-52" WEST A DISTANCE OF 17.06 FEET TO THE WEST LINE OF SAID SECTION 34; THENCE SOUTH 00°-06'-48" EAST A DISTANCE OF 1325.38 FEET TO THE SOUTHWEST CORNER OF SAID SECTION 34 AND THE POINT OF BEGINNING. LESS ALL PREVIOUSLY DEDICATED RIGHTS OF WAYS OF ABLE CANAL AS RECORDED IN DEED BOOK 298, PAGE 114 AND SOUTH BOUNDARY CANAL AS RECORDED IN DEED BOOK 288, PAGE 150 OF THE PUBLIC RECORDS OF 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 COUNTRY CLUB ESTATES.

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 4th DAY OF April 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 4th DAY OF April A.D. 1962

Jean Welelle
NOTARY PUBLIC STATE OF FLORIDA AT LARGE

My Commission Expires ... Notary Public, State of Florida at Large, My Commission Expires July 19, 1965 ...

APPROVALS

THIS PLAT APPROVED THIS 4 DAY OF april A.D. 1962 IN OPEN MEETING OF THE BOARD OF COUNTY COMMISSIONERS OF LEE COUNTY, FLORIDA

APPROVED Glenn L. Hunter
Chairman

D. Z. Zarahee
Clerk

County Attorney

Stanton L. Upjohn
County Engineer

I HEREBY CERTIFY THAT THIS PLAT OF COUNTRY CLUB ESTATES 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 4 DAY OF april A.D. 1962 AND DULY RECORDED IN PLAT BOOK 15 ON PAGES 104-113 OF PUBLIC RECORDS OF LEE COUNTY, FLORIDA.

D. Z. Zarahee
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 #26-35

Recommended Action

Engineering Review:

By: _____5/7/2026 **Approved _X_ Denied __**

District Field Review:

By: _____ Approved ___ Denied ___

District Manager: _____ Date: _____

Comments:

The referenced permit application for a boring under Jon Canal (47-34-3) at Archer St, in Lehigh Acres, submitted by Lumos, 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
PERMIT

THIS PERMIT is granted this 18th day of May, 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 Able Canal (47-36-1), along the east side of Moore Ave. between Leeland Heights Blvd. & Sentinela 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. 26-36

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 #26-36 is approved according to the revised plans submitted April 30th, 2026.

2). The proposed directional bore must maintain a minimum clearance of 10 feet below the bottom elevation of the canal for the entire 204.36' width of 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.

PART I

DATE SUBMITTED: 04-30-26

PERMIT #: 26-36

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_006_FDH_02 -103 Moore Ave Able Canal Crossing (47-36-1)

TOTAL ACREAGE: NA

Property Address (STRAP associated with this address will be used as the primary STRAP for this project): **103 Moore Ave**					
Mailing Address:	**NA**				
City:	**Lehigh Acres**	**State:**	**FL**	**Zip:**	**33974**

STRAP NUMBERS (attach additional sheet if necessary):

3	6	4	4	2	7	L	1	1	1	0	5	3	0	0	2	0			

Brief description of proposed project:

Application for: Lumos proposes to install (1) 1.25" conduit(s) with an 204.36' UG bore utilizing a 2" bore head to cross the Able Canal (47-36-1) at Moore Ave within MSID easement boundaries. This application covers the permanent underground installation only.

RECEIVED
APR 30 2026
LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

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

Estimated # of Phases:	1	
***Permit Fee:**	$ 3,815.40	**(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 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:	**Milenium Directional Drilling, Inc**						
Mailing Address:	**Street:**	**5395 Cogswell Dr**					
City:	**Wayne**	**State:**	**MI**		**Zip:**	**48184**	
Phone No.	**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:**	**GA**		**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:	**NA**						
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 April (m), 2026 (y), by William Kiefer who is personally know to me or has produced N/A as identification.

OFFICIAL SEAL
KYLE LEWIS PARKEY
NOTARY PUBLIC - ARIZONA
MARICOPA COUNTY
COMM# 691029
My Comm. Expires December 15, 2029

Kyle Parkey
SIGNATURE OF NOTARY PUBLIC

Kyle Lewis Parkey

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	**The thumb drives only have AutoCAD files of the plans Need the survey sheets as well and PDF files of plans and surveys**
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.

GRIDIRON
P.O. BOX 1028
WAYNESBORO, VA 22980

FIFTH THIRD BANK
13-31/420

60002682

02/12/2026

PAY TO THE ORDER OF LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

$ **$2,250.00

two thousand two hundred fifty and 00/100********** DOLLARS

VOID IF NOT CASHED IN 90 DAYS

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRI
601 East County Ln
Lehigh Acres FL 33936
United States

MEMO

⑈60002682⑈ ⑆042000314⑆702910012 5⑈

GRIDIRON

60002682

02/12/2026 404662 LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

Type	Ref. No.	Date	Description	Orig. Amt.	Amt. Due	Credit	Payment
Bill	31			$2,250.00	$2,250.00		$2,250.00

GRIDIRON

60002682

02/12/2026 404662 LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

Type	Ref. No.	Date	Description	Orig. Amt.	Amt. Due	Credit	Payment
Bill	31			$2,250.00	$2,250.00		$2,250.00

Permit # 26-36

Scanned with CamScanner

GRIDIRON
P.O. BOX 1028
WAYNESBORO, VA 22980

FIFTH THIRD BANK
13-31/420

60002744

03/05/2026

PAY TO THE ORDER OF LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT $ **$1,565.40

one thousand five hundred sixty-five and 40/100**********

DOLLARS

VOID IF NOT CASHED IN 90 DAYS

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRI
601 East County Ln
Lehigh Acres FL 33936
United States

MEMO

MP

⑈60002744⑈ ⑆042000314⑆70291001125⑈

GRIDIRON 60002744

03/05/2026 404662 LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

Type	Ref. No.	Date	Description	Orig. Amt.	Amt. Due	Credit	Payment
Bill	26-36			$1,565.40	$1,565.40		$1,565.40

Permit # 26-36

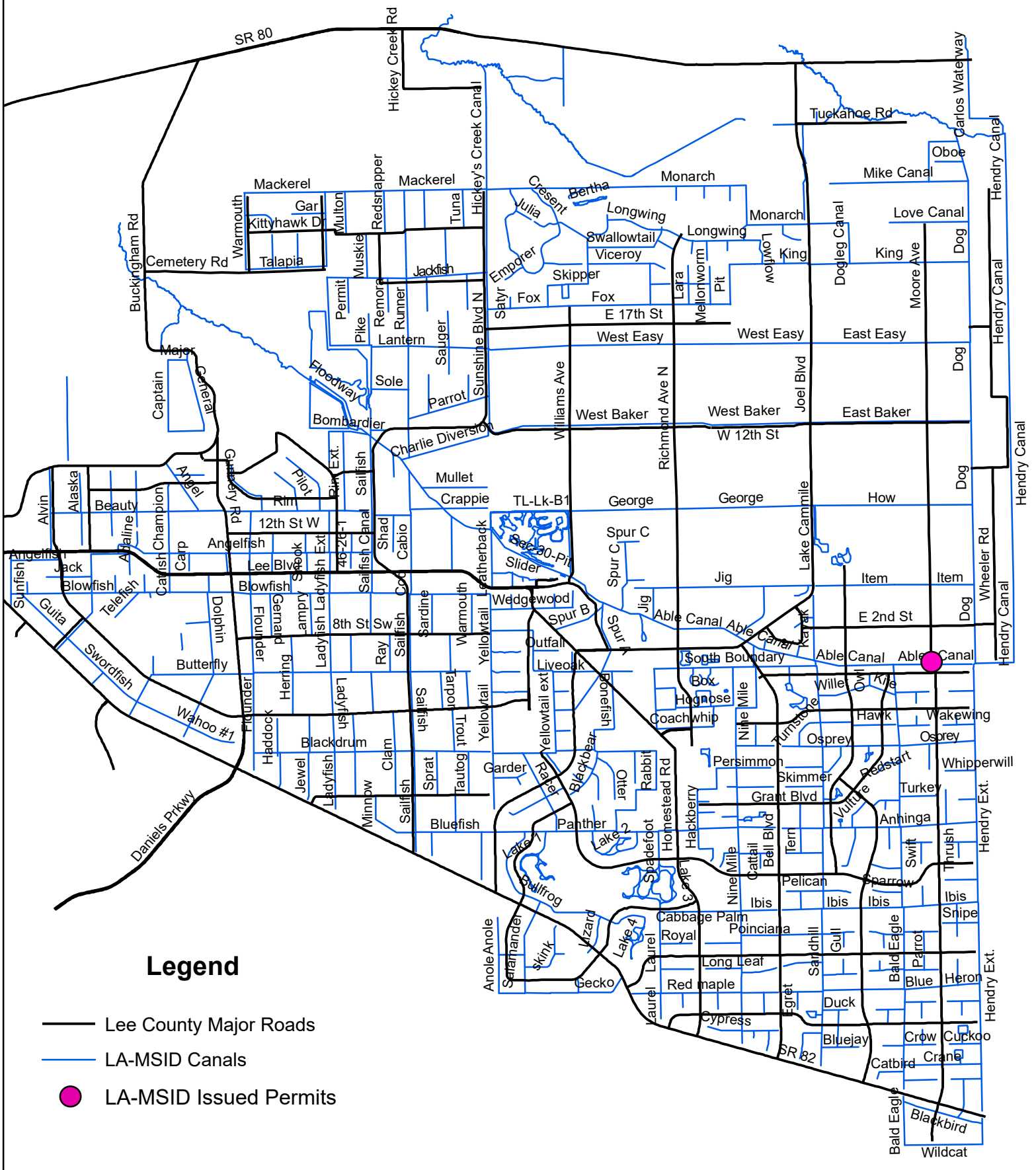
GRIDIRON 60002744

03/05/2026 404662 LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

Type	Ref. No.	Date	Description	Orig. Amt.	Amt. Due	Credit	Payment
Bill	26-36			$1,565.40	$1,565.40		$1,565.40

RECEIVED
MAR 09 2026
LEHIGH ACRES
MUNICIPAL SERVICES
IMPROVEMENT DISTRICT

Permit # 2026-36



Legend

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

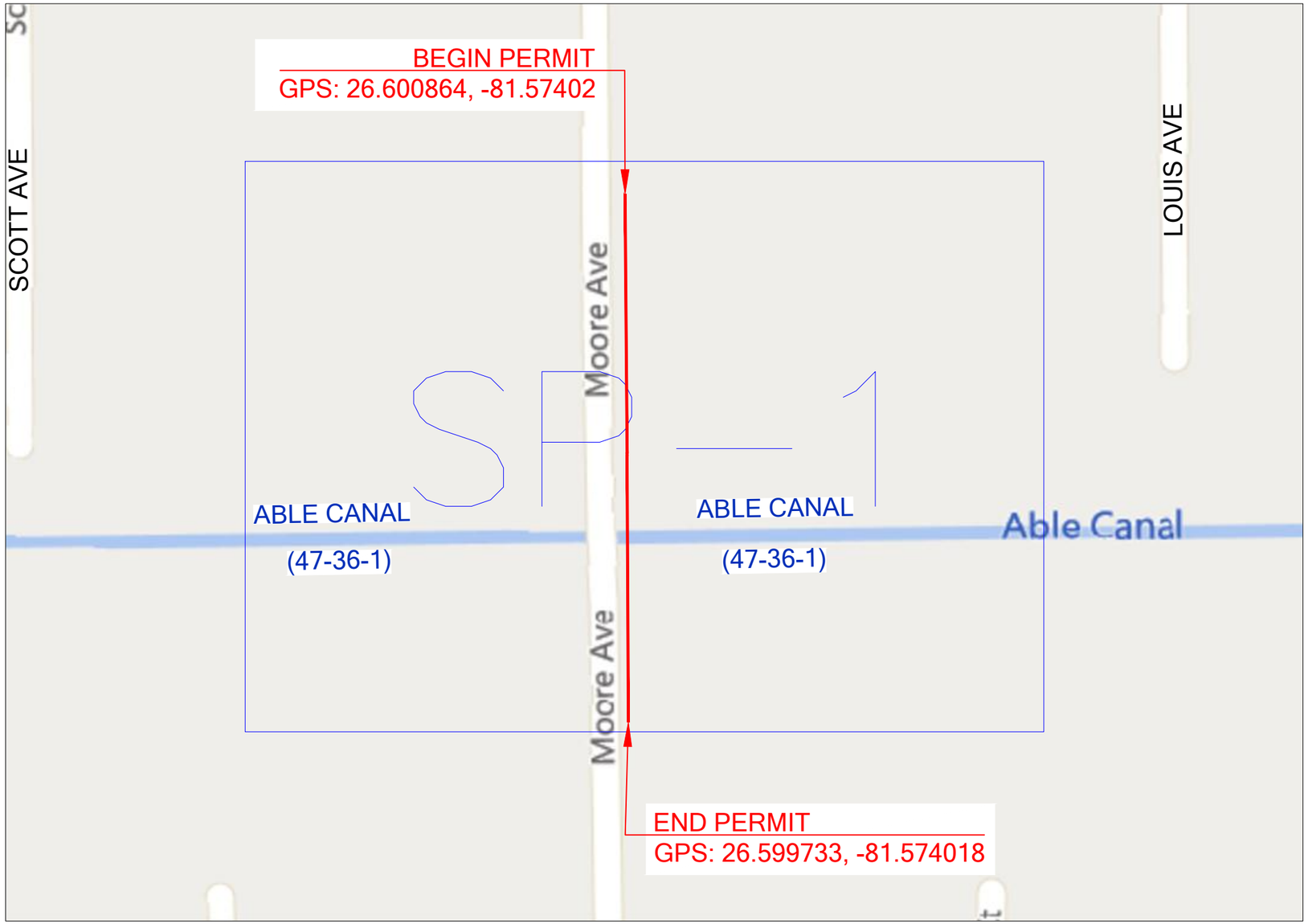
LUMOS NETWORKS
JOB NUMBER: R0LEEFL-06-02
ROUTE NAME: LE1_006_FDH_02

LUMOS PROPOSED FIBER OPTIC NETWORK PLACEMENT

CONSTRUCTION METHOD	FOOTAGE
UNDERGROUND	204.36′
AERIAL	0'

TOTAL PROPOSED FOOTAGE = 204.36′

INDEX TO SHEET	
SHEET	TITLE
CV-1	LOCATION MAP
GN-1	LEGEND
GN-2	GENERAL NOTES AND CONSTRUCTION NOTE
SP-1	CONSTRUCTION PLANS
SP-A	PROFILE VIEW
SP-B	IMAGES



INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

PREPARED BY:6030 BETHELVIEW RD,SUITE #301
CUMMING, GA 30040.USA

PROJECT INFORMATION	
SITE NAME:	LE1_006_FDH_02
SITE ADDRESS:	103 OASIS CT
COUNTY:	LEE
APPROVER:	

SUBMITTAL INFORMATION			
REV	DATE	DESCRIPTION	INIT
0	02/04/2026	PERMIT DRAWING	CENT
1	02/25/2026	PERMIT DRAWING	CENT
2	03/12/2026	PERMIT DRAWING	CENT
3	03/26/2026	PERMIT DRAWING	CENT
4	04/09/2026	PERMIT DRAWING	CENT

CONSTRUCTION NOTES:

N

SHEET TITLE
LOCATION MAP

SHEET NUMBER
CV-1

DRAWING SHEET
1 OF 6

LUMOS:

NAME: JASON BUSH
CELL: (850)428 - 1313

UTILITIES:

FL811 (800-432-4770)

CENTILLION:

CRAIG BLACK - PROJECT MANAGER
(CELL)720-597-5320

PERMITS:

LEHIGH ACRES MSID - PERMIT NUMBER / DATE: TBD

LINETYPE LEGEND

EOP	= EX. EDGE OF PAVEMENT
C/L	= EX. CENTER LINE
R/W	= EX. RIGHT OF WAY
ESMT	= EX. EASEMENT
	= EX. PROPERTY LINE
	= EX. BUILDING EDGE
OHF OHF	= EX. OVERHEAD FIBER
BFO BFO	= EX. BURIED FIBER
EX_STRAND	= EX. STRAND
	= EX. FENCE
GR GR	= EX. GUARDRAIL
	= RAILROAD
DB	= DIRECTIONAL BORE
	= WATER BODY
	= CULVERT
OHF OHF	= PROP. OVERHEAD FIBER
BFO BFO	= PROP. BURIED FIBER
	= PROP. CONDUIT
Strand Strand	= PROP. STRAND
	= PROP. MULTIPORT TAIL
SD	= STORM DRAINAGE
SS	= SEWER LINE
W	= WATER LINE
T	= TELCO LINE
TV	= CABLE TV LINE
E	= ELECTRIC LINE
TRAFF	= TRAFFIC LINE
G	= GAS LINE
	= DITCH LINE

SYMBOL LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	PROPOSED ANCHOR & GUY		DUCT COUNT
	FOREIGN/EXISTING ANCHOR & GUY		FIRE HYDRANT
	MGNV		WATER VALVE / METER
	JOINT USE POLE	W	WATER MANHOLE
	POWER POLE	S	SEWER MANHOLE
	COMMUNICATION POLE	SD	STORM MANHOLE
S	STEEL POLE		STORM INLET / CATCH BASIN
	CATV POLE	G	GAS VALVE / METER
	PROPOSED POLE	P	ELECTRIC MANHOLE
R	RISER	P	ELECTRIC HANDHOLE
	PROPOSED STORAGE LOOP		STREET LIGHT
	FIBER SPLICE	ELEC BOX	BURIED TRANSFORMER
	MIDSHEATH SPLICE	TRAF	TRAFFIC HANDHOLE
	TO C.O.		TRAFFIC POLE / SIGNAL
SPLT	SPLITTER HANDHOLE (13"X24"X18")	T	TELCO MANHOLE
SM	SMALL HANDHOLE (17"X30"X24")	TL	TELCO HANDHOLE
MED	MEDIUM HANDHOLE (24"X36"X24")	T	TELCO PEDESTAL
LHH	LARGE HANDHOLE (30"X48"X24")	CV	CABLE TV HANDHOLE
HH	EXISTING HANDHOLE	CV	CABLE TV PEDESTAL
P	PROPOSED PEDESTAL	1X8	PROPOSED 1x8 SPLITTER
P	EXISTING PEDESTAL	1X4	PROPOSED 1x4 SPLITTER
	PROPOSED FP		SIGN
3	TREE		BORE PIT

INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

PREPARED BY:6030 BETHELVIEW RD,SUITE #301
CUMMING, GA 30040.USA

PROJECT INFORMATION	
SITE NAME:	LE1_006_FDH_02
SITE ADDRESS:	103 OASIS CT
COUNTY:	LEE
APPROVER:	

SUBMITTAL INFORMATION			
REV	DATE	DESCRIPTION	INIT
0	02/04/2026	PERMIT DRAWING	CENT
1	02/25/2026	PERMIT DRAWING	CENT
2	03/12/2026	PERMIT DRAWING	CENT
3	03/26/2026	PERMIT DRAWING	CENT
4	04/09/2026	PERMIT DRAWING	CENT

CONSTRUCTION NOTES:

N

SHEET TITLE
LEGEND

SHEET NUMBER
GN-1

DRAWING SHEET
2 OF 6

AERIAL & U/G NOTES

ALL PROPOSED CONSTRUCTION WILL BE PER FDOT SPECIFICATIONS AS WELL AS ALL NESC SAFETY CODES.

ALL PROPOSED CATV WILL BE WITHIN THE FDOT RIGHT-OF-WAY.

ALL AERIAL CANAL RIGHT-OF-WAY CROSSINGS MUST BE A MINIMUM 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 BURIED A MINIMUM OF 40" 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 PARALLEL 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 FDOT RIGHT-OF-WAY.

ALL WORK PERFORMED WITHIN THE FDOT RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH FDOT 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.

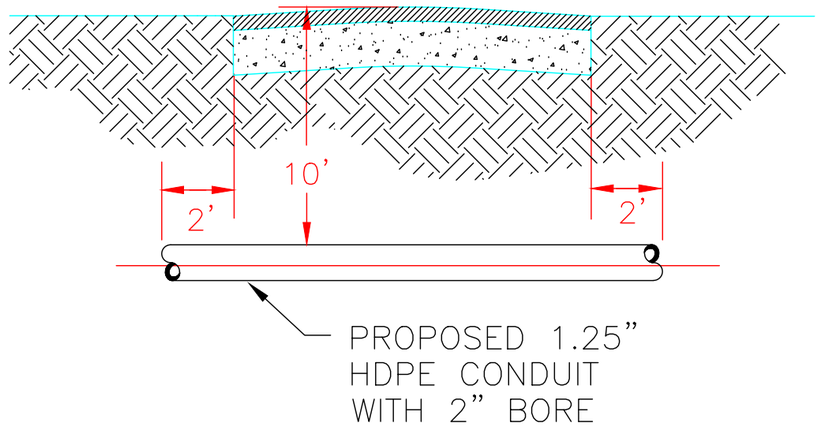
IT WILL BE THE RESPONSIBILITY OF THE PERMITTEE TO REPAIR ANY DAMAGE TO FDOT FACILITIES CAUSED BY THE CONSTRUCTION OF THE PROJECT.

ALL CONCRETE SHALL BE 3,000 PSI. APPROVED FDOT MIX DESIGN.

UTILITIES CONTACT

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT
MICHAEL COOK
(239) 366-0044 Ext. 16
MCOOK@LA-MSID.COM
STORM WATER/CANALS

LUMOS
JASON BUSH
CONSTRUCTION MANAGER
(JASON.BUSH@LUMOSFIBER.COM)
941-812-2913



TYPICAL DRIVEWAY DIRECTIONAL BORE

N.T.S.

MOT NOTES

TRAFFIC CONTROL SHALL COMPLY WITH FEDERAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND F.D.O.T. DESIGN STANDARD #NO. 600.

lumos™
INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

PREPARED BY:6030 BETHELVIEW RD,SUITE #301
CUMMING, GA 30040.USA
CENTILLION SOLUTIONS

PROJECT INFORMATION	
SITE NAME:	LE1_006_FDH_02
SITE ADDRESS:	103 OASIS CT
COUNTY:	LEE
APPROVER:	

SUBMITTAL INFORMATION			
REV	DATE	DESCRIPTION	INIT
0	02/04/2026	PERMIT DRAWING	CENT
1	02/25/2026	PERMIT DRAWING	CENT
2	03/12/2026	PERMIT DRAWING	CENT
3	03/26/2026	PERMIT DRAWING	CENT
4	04/09/2026	PERMIT DRAWING	CENT

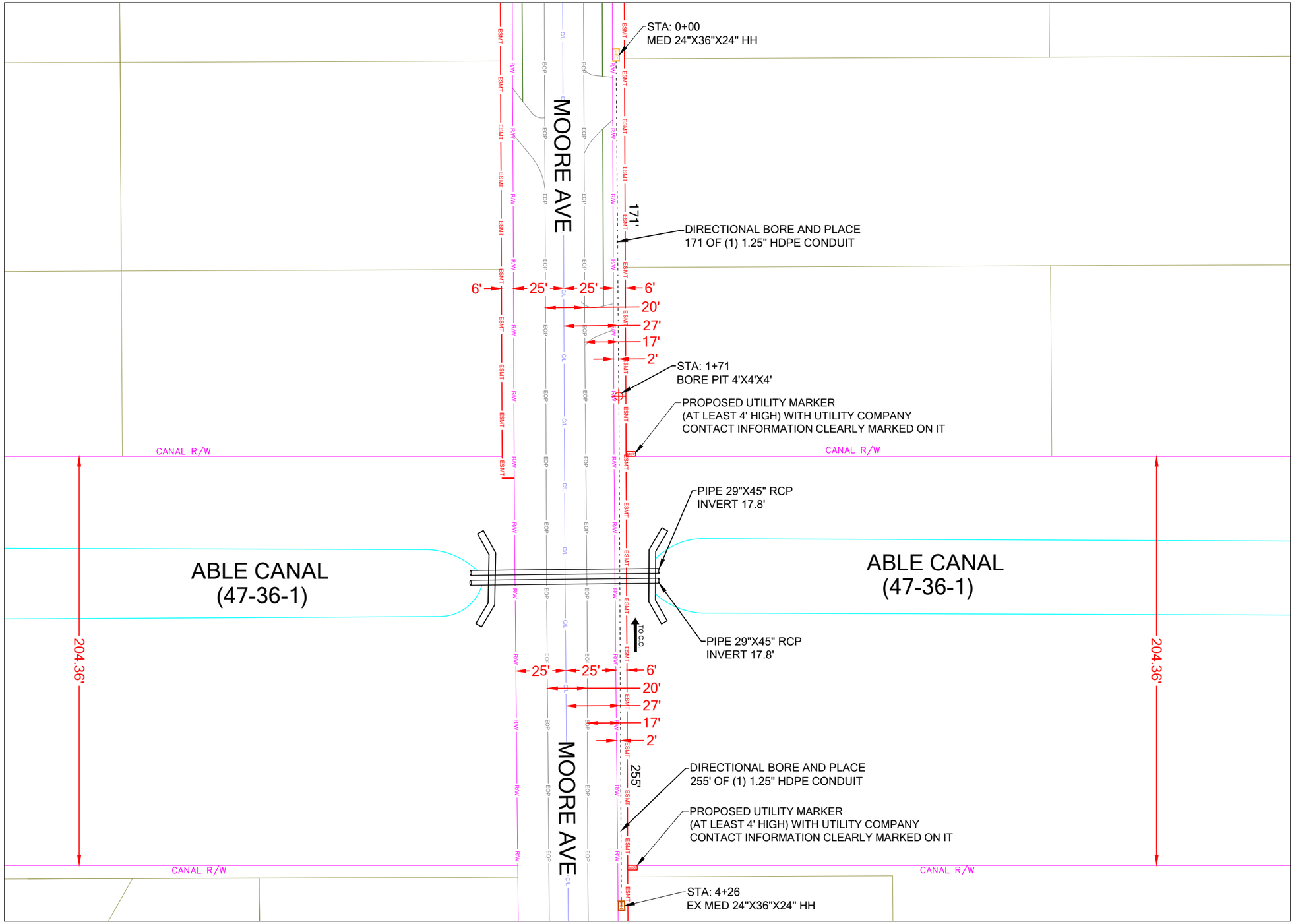
CONSTRUCTION NOTES:

N

SHEET TITLE
GENERAL NOTES

SHEET NUMBER
GN-2

DRAWING SHEET
3 OF 6



CONSTRUCTION NOTES

N

(1) 1.25" CONDUIT WITH 2" BORE.

BORE MUST BE 10' BELOW THE LOWEST PIPE INVERT OR THE CANAL BOTTOM, WHICHEVER IS LOWEST, FOR THE ENTIRE 204.36' 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.

SHEET LAYOUT



NOTE: LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION.

NOTE: ALL EXISTING UTILITIES PLACED ON PRINTS FOR REFERENCE ONLY. (NOT TO SCALE)

Sunshine811

lumos™
INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

PREPARED BY: 6030 BETHELVIEW RD, SUITE #301 CUMMING, GA 30040. USA
CENTILLION SOLUTIONS

PROJECT INFORMATION	
SITE NAME:	LE1_006_FDH_02
SITE ADDRESS:	103 OASIS CT
COUNTY:	LEE
APPROVER:	

0' 25' 50'
SCALE: 1"=50'

SUBMITTAL INFORMATION			
REV	DATE	DESCRIPTION	INIT
0	02/04/2026	PERMIT DRAWING	CENT
1	02/25/2026	PERMIT DRAWING	CENT
2	03/12/2026	PERMIT DRAWING	CENT
3	03/26/2026	PERMIT DRAWING	CENT
4	04/09/2026	PERMIT DRAWING	CENT

CONSTRUCTION NOTES:

BORE ALL BURIED ROUTES
. MIN DEPTH OF 36"
. ALL CABLE PLACED IN 1.25" HDPE 2' OFF ROW UNLESS SPECIFIED
. SIDEWALKS TO BE REPLACED JOINT TO JOINT
. PLACED AT BACK OF ROW

SHEET TITLE
CONSTRUCTION PLANS

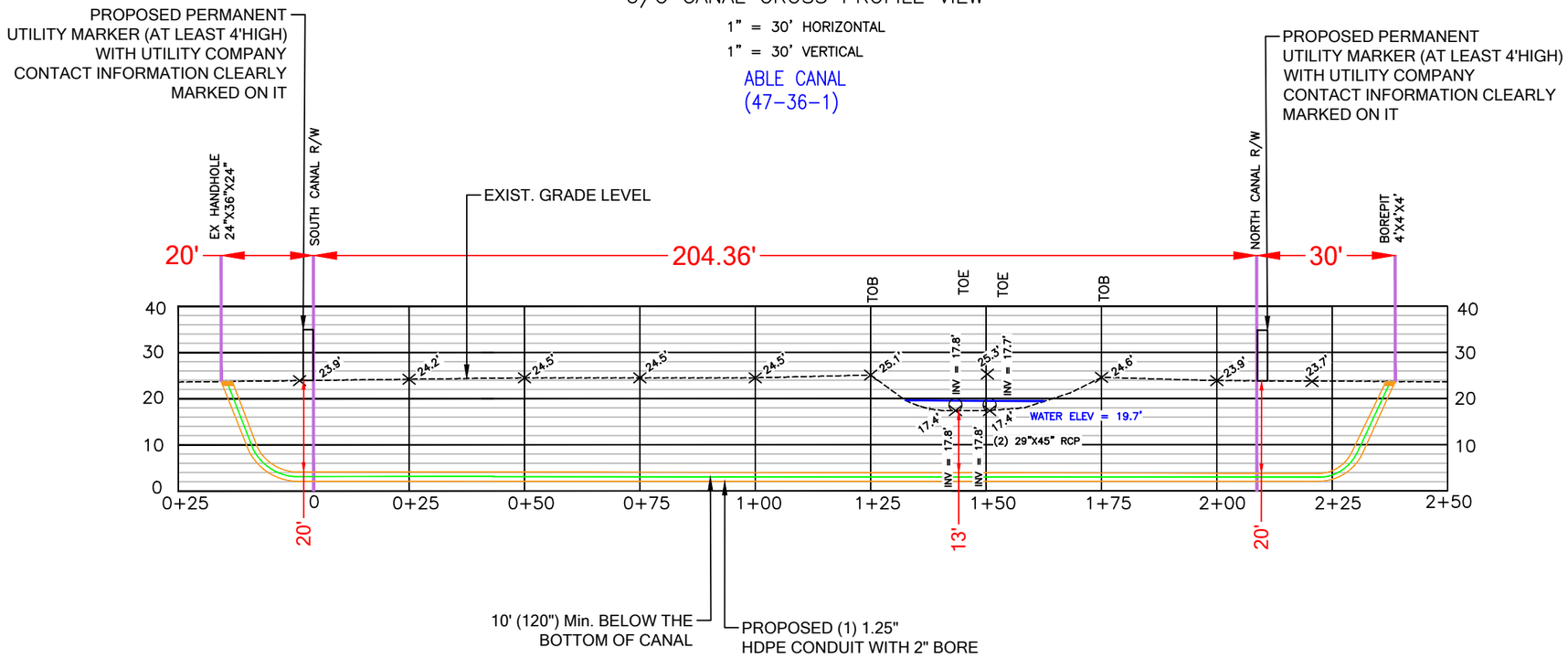
SHEET NUMBER
SP-1

DRAWING SHEET
4 OF 6

U/G CANAL CROSS PROFILE VIEW

1" = 30' HORIZONTAL
1" = 30' VERTICAL

ABLE CANAL
(47-36-1)



CONSTRUCTION NOTES

(1) 1.25" CONDUIT WITH 2" BORE.

BORE MUST BE 10' BELOW THE LOWEST PIPE INVERT OR THE CANAL BOTTOM, WHICHEVER IS LOWEST, FOR THE ENTIRE 204.36' 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.

SHEET LAYOUT



NOTE: LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION.

NOTE: ALL EXISTING UTILITIES PLACED ON PRINTS FOR REFERENCE ONLY. (NOT TO SCALE)

Sunshine811

INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

PREPARED BY: 6030 BETHELVIEW RD, SUITE #301 CUMMING, GA 30040. USA
CENTILLION SOLUTIONS

PROJECT INFORMATION	
SITE NAME:	LE1_006_FDH_02
SITE ADDRESS:	103 OASIS CT
COUNTY:	LEE
APPROVER:	

0' 15' 30'
SCALE: 1"=30'

SUBMITTAL INFORMATION			
REV	DATE	DESCRIPTION	INIT
0	02/04/2026	PERMIT DRAWING	CENT
1	02/25/2026	PERMIT DRAWING	CENT
2	03/12/2026	PERMIT DRAWING	CENT
3	03/26/2026	PERMIT DRAWING	CENT
4	04/09/2026	PERMIT DRAWING	CENT

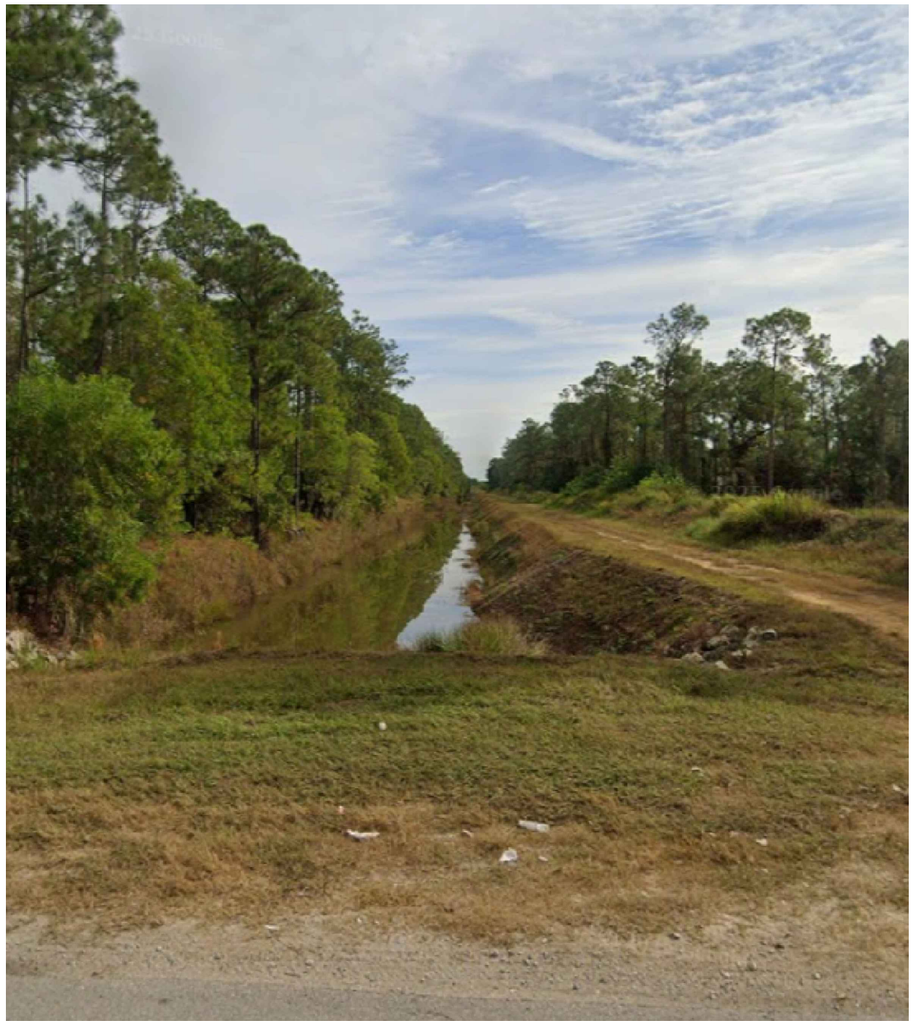
CONSTRUCTION NOTES:

BORE ALL BURIED ROUTES
. MIN DEPTH OF 36"
. ALL CABLE PLACED IN 1.25" HDPE 2' OFF ROW UNLESS SPECIFIED
. SIDEWALKS TO BE REPLACED JOINT TO JOINT
. PLACED AT BACK OF ROW

SHEET TITLE
CONSTRUCTION PLANS

SHEET NUMBER
SP-1A

DRAWING SHEET
5 OF 6



BORE CROSSING
ABLE CANAL
(47-36-1)

lumos™
INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

PREPARED BY:6030 BETHELVIEW RD,SUITE #301
CUMMING, GA 30040.USA

CENTILLION SOLUTIONS

PROJECT INFORMATION	
SITE NAME:	LE1_006_FDH_02
SITE ADDRESS:	103 OASIS CT
COUNTY:	LEE
APPROVER:	

SUBMITTAL INFORMATION			
REV	DATE	DESCRIPTION	INIT
0	02/04/2026	PERMIT DRAWING	CENT
1	02/25/2026	PERMIT DRAWING	CENT
2	03/12/2026	PERMIT DRAWING	CENT
3	03/26/2026	PERMIT DRAWING	CENT
4	04/09/2026	PERMIT DRAWING	CENT

CONSTRUCTION NOTES:

N

SHEET TITLE
IMAGE

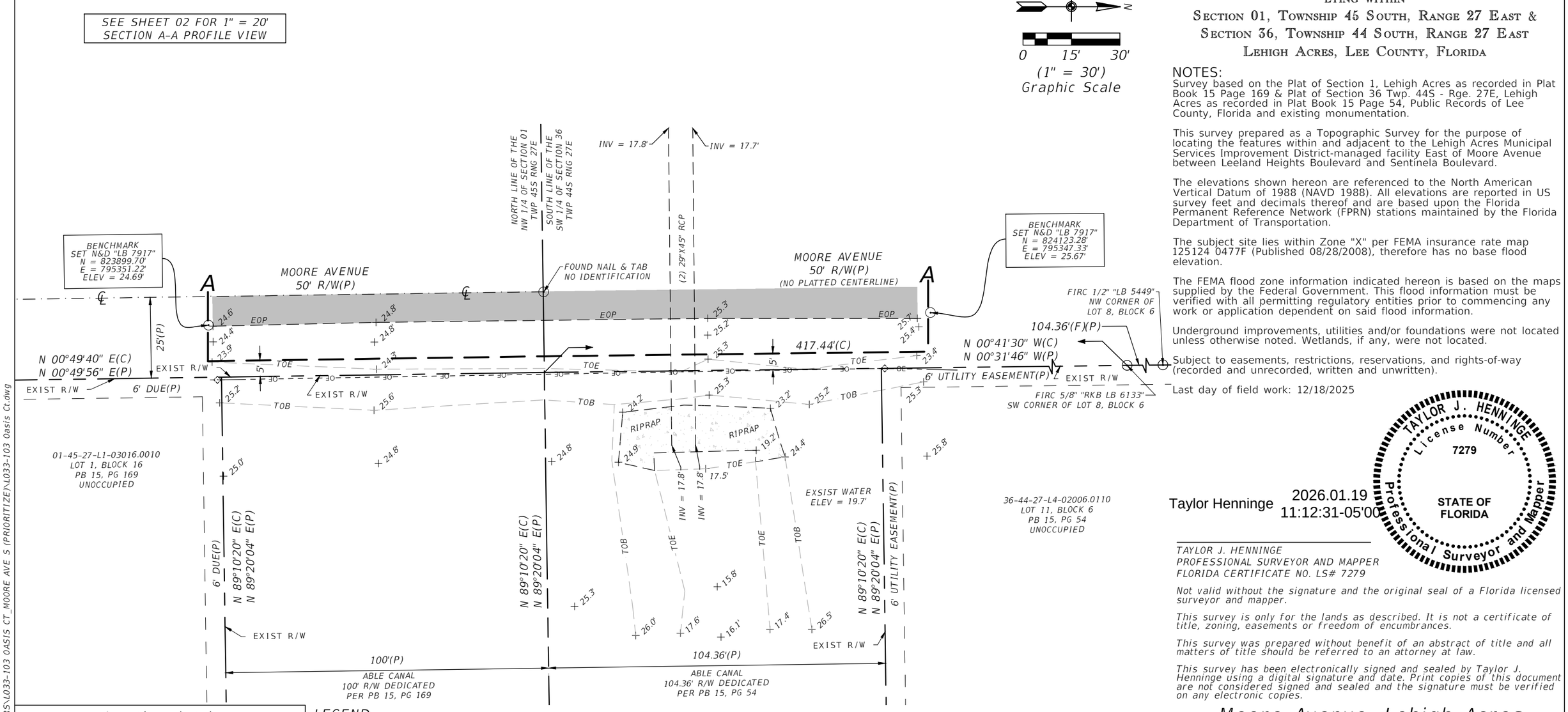
SHEET NUMBER
SP-1B

DRAWING SHEET
6 OF 6

Topographic Survey of a Subject Project Site

LYING WITHIN

Section 01, Township 45 South, Range 27 East &
Section 36, Township 44 South, Range 27 East
Lehigh Acres, Lee County, Florida



NOTES:

Survey based on the Plat of Section 1, Lehigh Acres as recorded in Plat Book 15 Page 169 & Plat of Section 36 Twp. 44S - Rge. 27E, Lehigh Acres as recorded in Plat Book 15 Page 54, 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 Moore Avenue between Leeland Heights Boulevard and Sentinela Boulevard.

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 0477F (Published 08/28/2008), therefore has no base flood elevation.

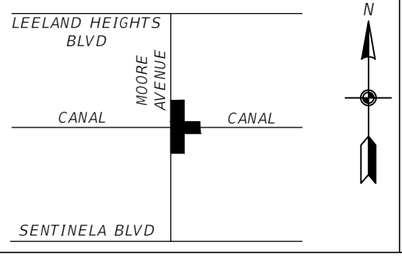
The FEMA flood zone information indicated hereon is based on the maps supplied by the Federal Government. This flood information must be verified with all permitting regulatory entities prior to commencing any work or application dependent on said flood information.

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

Location sketch
(Not to scale)



LEGEND:

(P)	= PER PLAT	N&D	= NAIL AND DISK
(C)	= CALCUALTED	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
	= GUY ANCHOR
BACK FLOW PREVENTOR	= BACK FLOW PREVENTOR
	= VALVE COVER WATER
	= VALVE
	= WATER METER

TAYLOR J. HENNINGE License Number 7279 STATE OF FLORIDA Professional Surveyor and Mapper

Taylor Henninge 2026.01.19 11:12:31-05'00'

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.

Moore Avenue, Lehigh Acres

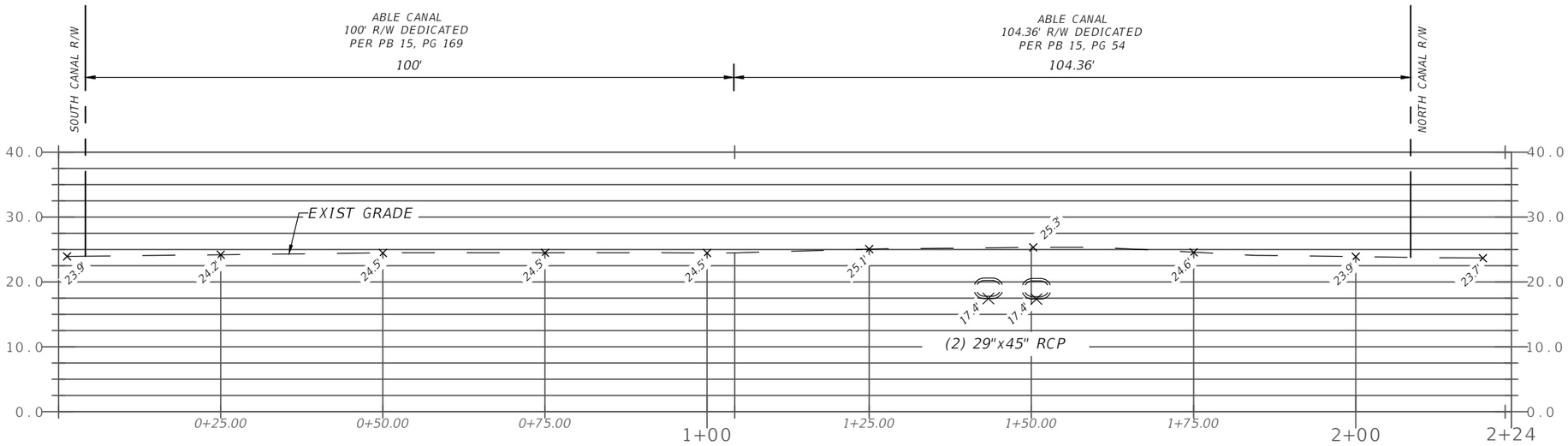
TOPOGRAPHIC SURVEY-PLAN VIEW

McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name:	Field book/page:	Project No.:
L033-103 Oasis Ct.dwg	106981-1/36	106980001-L033

Survey date:	Drawn by:	Checked by:	Sheet No.:
12/18/2025	JRB	TJH	01 OF 02

Topographic Survey of a
Subject Project Site
Section 01, Township 45 South, Range 27 East &
Section 36, 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

Moore 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.:
L033-103 Oasis Ct.dwg	106981-1/36	106980001-L033

Survey date:	Drawn by:	Checked by:	Sheet No.:
12/18/2025	JRB	TJH	02 OF 02

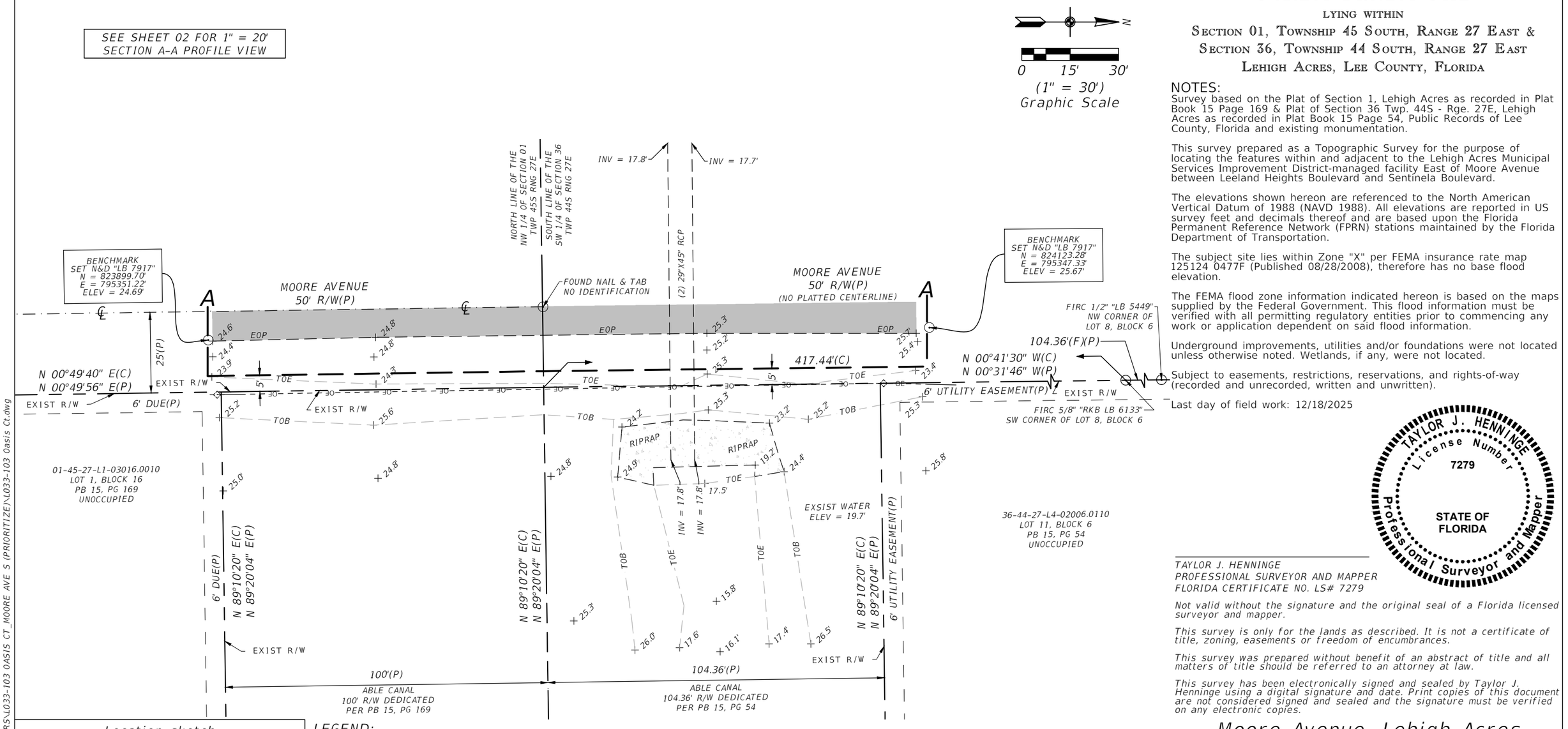
I:\10698\0001\Geomatics\90-WORK ORDERS\L033-103 OASIS CT_MOORE AVE S (PRIORITIZE)\L033-103 Oasis Ct.dwg

Topographic Survey of a Subject Project Site

LYING WITHIN

Section 01, Township 45 South, Range 27 East &
Section 36, Township 44 South, Range 27 East
Lehigh Acres, Lee County, Florida

SEE SHEET 02 FOR 1" = 20'
SECTION A-A PROFILE VIEW



NOTES:

Survey based on the Plat of Section 1, Lehigh Acres as recorded in Plat Book 15 Page 169 & Plat of Section 36 Twp. 44S - Rge. 27E, Lehigh Acres as recorded in Plat Book 15 Page 54, 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 Moore Avenue between Leeland Heights Boulevard and Sentinela Boulevard.

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 0477F (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.

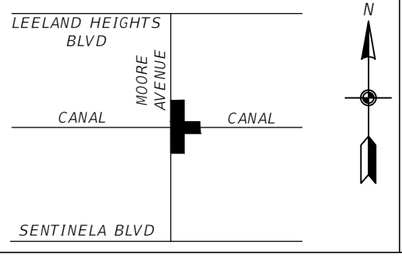
This survey is only for the lands as described. It is not a certificate of title, zoning, easements or freedom of encumbrances.

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.

Moore Avenue, Lehigh Acres

Location sketch
(Not to scale)



LEGEND:

(P)	= PER PLAT	N&D	= NAIL AND DISK
(C)	= CALCUALTED	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
	= GUY ANCHOR
BACK FLOW PREVENTOR	= BACK FLOW PREVENTOR
	= VALVE COVER WATER
	= VALVE
	= WATER METER

TOPOGRAPHIC SURVEY-PLAN VIEW

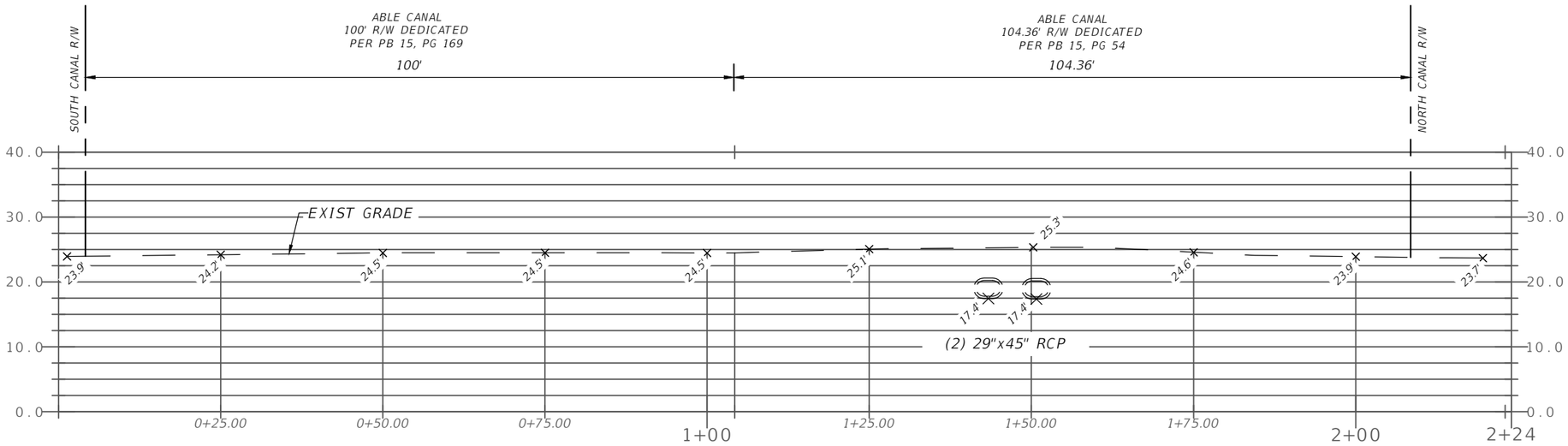
McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name:	Field book/page:	Project No.:
L033-103 Oasis Ct.dwg	106981-1/36	106980001-L033

Survey date:	Drawn by:	Checked by:	Sheet No.:
12/18/2025	JRB	TJH	01 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L033-103 OASIS CT_MOORE AVE S (PRIORITIZE)\L033-103 Oasis Ct.dwg

Topographic Survey of a
Subject Project Site
Section 01, Township 45 South, Range 27 East &
Section 36, 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

Moore Avenue, Lehigh Acres

TOPOGRAPHIC SURVEY-PROFILE VIEW

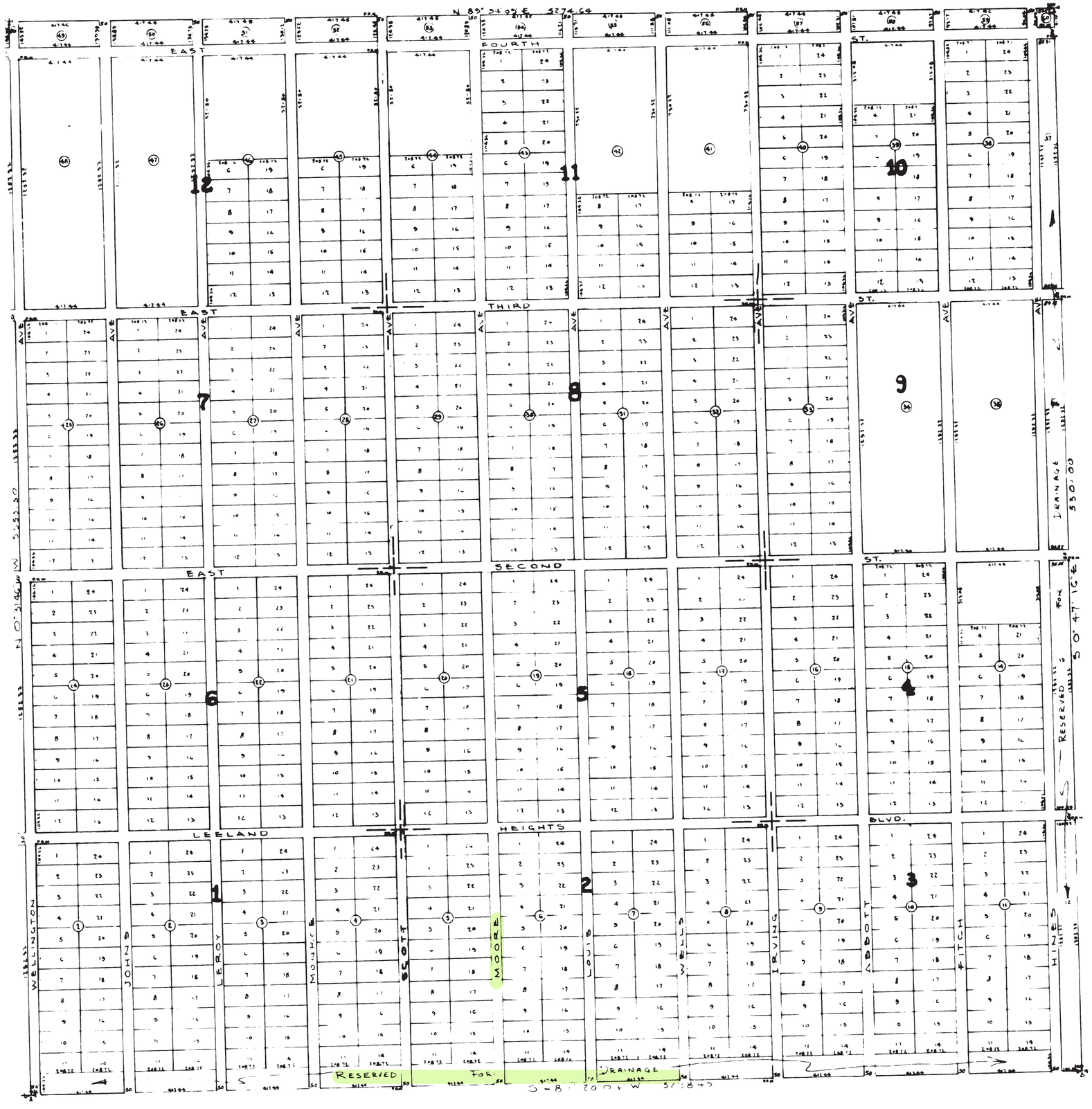
McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name:	Field book/page:	Project No.:
L033-103 Oasis Ct.dwg	106981-1/36	106980001-L033

Survey date:	Drawn by:	Checked by:	Sheet No.:
12/18/2025	JRB	TJH	02 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L033-103 OASIS CT_MOORE AVE S (PRIORITIZE)\L033-103 Oasis Ct.dwg

Petition to Vacate
Petition No:95-06-151.04R
Description:12ft wide PUE;See CCMB
Date of Approval:08/30/95
Resolution No:95-08-66
CCMB:1995R Page:573
Recorded on:09/21/95 OR Bk:2636
Page:2789-2793



PLAT OF SECTION 36
TWP. 44 S. RGE 27 E

A SUBDIVISION OF

"LEHIGH ACRES"

LEE COUNTY, FLA.

LEE COUNTY LAND & TITLE Co. DEVELOPERS

SCALE

FEB 2, 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 B Royer
FLORIDA REGD LAND SURVEYOR #673
ENGINEER #6[illegible]

NOTE
ALL LOTS SUBJECT TO A 6 UTILITY EASEMENT
INTERIOR PRM'S ARE 4x4x24 CONCRETE
SECTION COR PRM'S ARE 6x6x24 CONCRETE
ALL LOTS EQUAL 1/7 ACRE EXCEPT WHERE NOTED

NOTE
DIMENSIONS, BEARINGS, LOT AND LAND LINES ON DRAWING OF LATEST DATE SHALL GOVERN

Petition to Vacate
Petition No:2001-00059
Description:12ft public utility easement; See CCMB
Date of Approval:03/12/02
Resolution No:02-03-18
CCMB:2002R Page:160
Recorded on:03/28/02 OR Book:3610
Page:1425-1428

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 Welchle
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 George S. Hunter
Chairman

D. L. Farahee
Clerk

County Attorney

Stacey Bruce
County Road Superintendent

360798

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 46, 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 86°-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 #26-36

Recommended Action

Engineering Review:

By: _____5/7/2026 **Approved _X_ Denied __**

District Field Review:

By: _____ **Approved ___ Denied ___**

District Manager: _____ **Date**: _____

Comments:

The referenced permit application for a boring under Able Canal (47-36-1) at Moore Ave, in Lehigh Acres, submitted by Lumos, 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
PERMIT

THIS PERMIT is granted this 18th day of May, 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 How Canal (47-25-2), along the west side of Moore Ave. between E. 8th St. & 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. 26-37

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 #26-37 is approved according to the revised plans submitted April 30th, 2026.

2). The proposed directional bore must maintain a minimum clearance of 10 feet below the bottom elevation of the canal for the entire 76.02' width of 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.

PART I

DATE SUBMITTED: 04-30-26

PERMIT #: 26-37

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_006_FDH_12_721 Moore Ave - How Canal #47-25-2

TOTAL ACREAGE: NA

Property Address (STRAP associated with this address will be used as the primary STRAP for this project): **3903 E 6th St**					
Mailing Address:	**NA**				
City:	**Lehigh Acres**	**State:**	**FL**	**Zip:**	**33936**

STRAP NUMBERS (attach additional sheet if necessary):

2	5	4	4	2	7	L	1	1	1	0	4	4	0	2	3	0			

Brief description of proposed project:

Application for: Lumos proposes to install (1) 1.25" Conduit(s) with an 76.02' UG bore utilizing a 2" bore head to cross the How Canal (47-25-2) at E 6th St within MSID easement boundaries. This application covers the permanent underground installation only

RECEIVED
APR 30 2026
LEHIGH ACRES
MUNICIPAL SERVICES
IMPROVEMENT DISTRICT

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

Estimated # of Phases:	1	
***Permit Fee:**	$ 1,890.00	**(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 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:	**Milenium Directional Drilling, Inc**						
Mailing Address:	**Street:**	**5395 Cogswell Dr**					
City:	**Wayne**	**State:**	**MI**		**Zip:**	**48184**	
Phone No.	**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:**	**GA**		**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:	**NA**						
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 April (m), 2026 (y), by William Kiefer who is personally know to me or has produced N/A as identification.

OFFICIAL SEAL
KYLE LEWIS PARKEY
NOTARY PUBLIC - ARIZONA
MARICOPA COUNTY
COMM# 691029
My Comm. Expires December 15, 2029

Kyle Parkey
SIGNATURE OF NOTARY PUBLIC

Kyle Lewis Parkey

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	**The thumb drives only have AutoCAD files of the plans** **Need the survey sheets as well and PDF files of plans and surveys**
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.

GRIDIRON
P.O. BOX 1028
WAYNESBORO, VA 22980

FIFTH THIRD BANK
13-31/420

60002666

02/12/2026

PAY TO THE ORDER OF LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT $ **$1,575.00

one thousand five hundred seventy-five and 00/100********** DOLLARS

VOID IF NOT CASHED IN 90 DAYS

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRI
601 East County Ln
Lehigh Acres FL 33936
United States

MEMO

MP

⑈60002666⑈ ⑆042000314⑆70291001625⑈

GRIDIRON

60002666

02/12/2026 404662 LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

Type	Ref. No.	Date	Description	Orig. Amt.	Amt. Due	Credit	Payment
Bill	32			$1,575.00	$1,575.00		$1,575.00

GRIDIRON

60002666

02/12/2026 404662 LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

Type	Ref. No.	Date	Description	Orig. Amt.	Amt. Due	Credit	Payment
Bill	32			$1,575.00	$1,575.00		$1,575.00

Permit #26-37

Scanned with CamScanner

GRIDIRON
P.O. BOX 1028
WAYNESBORO, VA 22980

FIFTH THIRD BANK
13-31/420

60002721

03/05/2026

PAY TO THE ORDER OF LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT $ **$315.30

three hundred fifteen and 30/100**********

DOLLARS

VOID IF NOT CASHED IN 90 DAYS

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRI
601 East County Ln
Lehigh Acres FL 33936
United States

MEMO

MP

⑈60002721⑈ ⑆042000314⑆70291001 25⑈

GRIDIRON 60002721

03/05/2026 404662 LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

Type	Ref. No.	Date	Description	Orig. Amt.	Amt. Due	Credit	Payment
Bill	26-37			$315.30	$315.30		$315.30

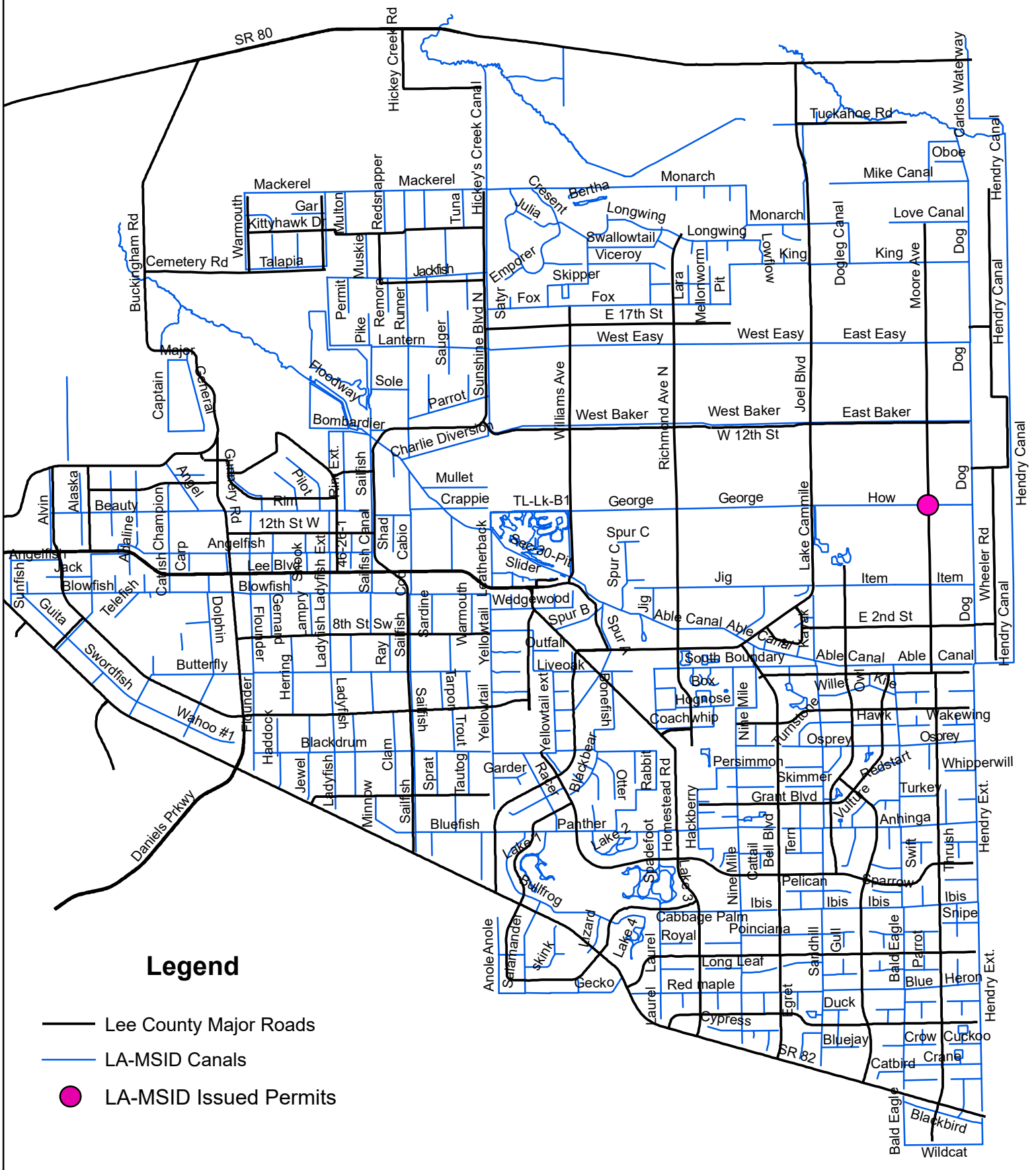
GRIDIRON 60002721

03/05/2026 404662 LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

Type	Ref. No.	Date	Description	Orig. Amt.	Amt. Due	Credit	Payment
Bill	26-37			$315.30	$315.30		$315.30

RECEIVED
MAR 09 2026
LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

Permit # 2026-37



Legend

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

LUMOS NETWORKS
JOB NUMBER: R0LEEFL-06-12
ROUTE NAME: LE1_006_FDH_12

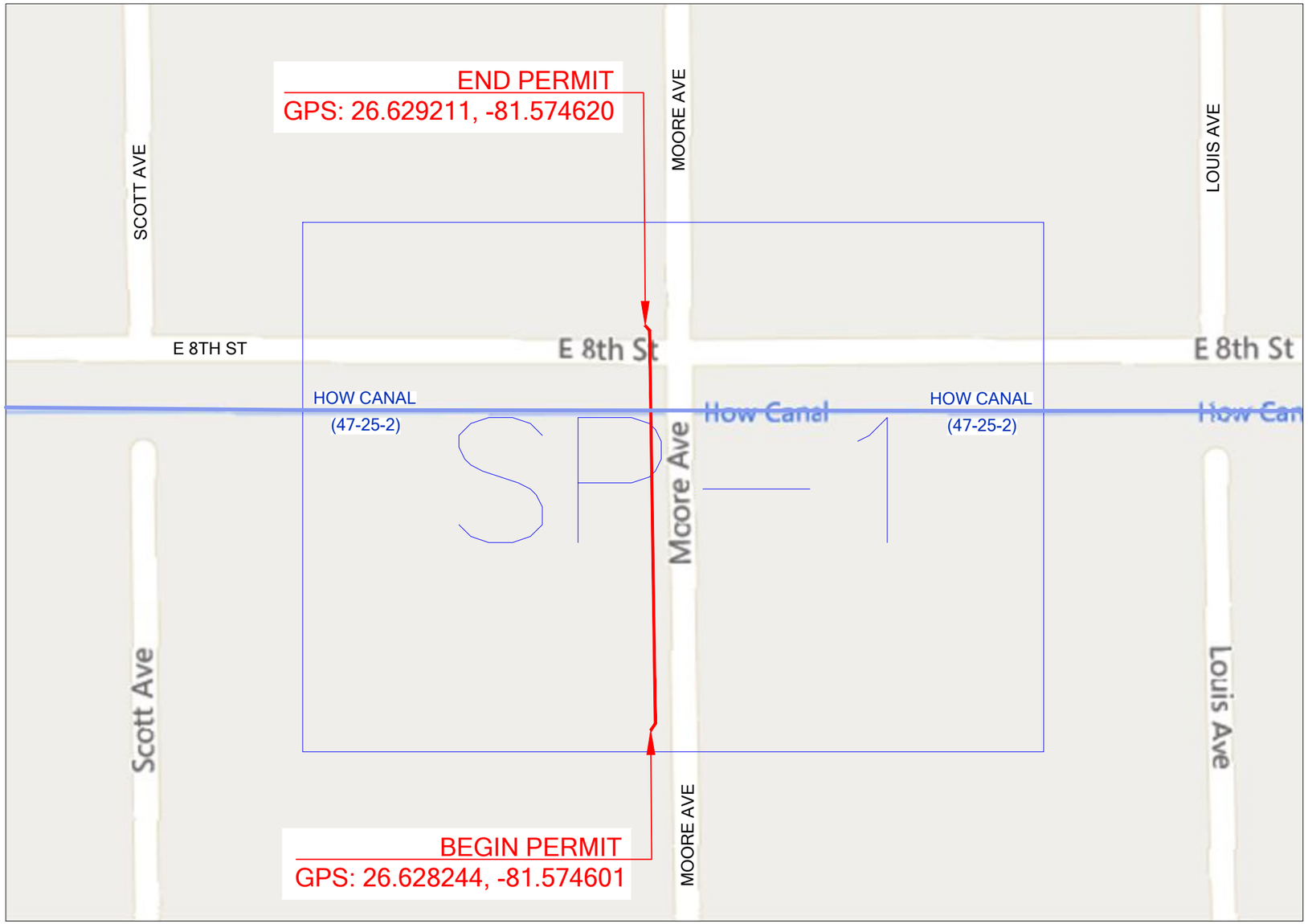
LUMOS PROPOSED FIBER OPTIC NETWORK PLACEMENT

CONSTRUCTION METHOD	FOOTAGE
UNDERGROUND	76.02′
AERIAL	0'

TOTAL PROPOSED FOOTAGE = 76.02′

INDEX TO SHEET

SHEET	TITLE
CV-1	LOCATION MAP
GN-1	LEGEND
GN-2	GENERAL NOTES AND CONSTRUCTION NOTE
SP-1	CONSTRUCTION PLANS
SP-A	PROFILE VIEW
SP-B	IMAGES



INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

PREPARED BY:6030 BETHELVIEW RD,SUITE #301
CUMMING, GA 30040.USA

PROJECT INFORMATION	
SITE NAME:	LE1_006_FDH_12
SITE ADDRESS:	721 MOORE AVE
COUNTY:	LEE
APPROVER:	

SUBMITTAL INFORMATION

REV	DATE	DESCRIPTION	INIT
0	04/02/2026	PERMIT DRAWING	CENT

CONSTRUCTION NOTES:

N

SHEET TITLE: LOCATION MAP

SHEET NUMBER: CV-1

DRAWING SHEET: 1 OF 6

LUMOS:

NAME: JASON BUSH

(CELL)(850) - 428 -1313

UTILITIES:

FL811 (800-432-4770)

CENTILLION:

CRAIG BLACK - PROJECT MANAGER
(CELL)720-597-5320

PERMITS:

LEHIGH ACRES MSID - PERMIT NUMBER / DATE: TBD

LINETYPE LEGEND

EOP	= EX. EDGE OF PAVEMENT
C/L	= EX. CENTER LINE
R/W	= EX. RIGHT OF WAY
ESMT	= EX. EASEMENT
	= EX. PROPERTY LINE
	= EX. BUILDING EDGE
OHF OHF	= EX. OVERHEAD FIBER
BFO BFO	= EX. BURIED FIBER
EX_STRAND	= EX. STRAND
	= EX. FENCE
GR GR	= EX. GUARDRAIL
	= RAILROAD
DB	= DIRECTIONAL BORE
	= WATER BODY
	= CULVERT
OHF OHF	= PROP. OVERHEAD FIBER
BFO BFO	= PROP. BURIED FIBER
	= PROP. CONDUIT
	= PROP. STRAND
	= PROP. MULTIPORT TAIL
SD	= STORM DRAINAGE
SS	= SEWER LINE
W	= WATER LINE
T	= TELCO LINE
TV	= CABLE TV LINE
E	= ELECTRIC LINE
TRAFF	= TRAFFIC LINE
G	= GAS LINE
	= DITCH LINE

SYMBOL LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	PROPOSED ANCHOR & GUY		DUCT COUNT
	FOREIGN/EXISTING ANCHOR & GUY		FIRE HYDRANT
	MGNV		WATER VALVE / METER
	JOINT USE POLE	W	WATER MANHOLE
	POWER POLE	S	SEWER MANHOLE
	COMMUNICATION POLE	SD	STORM MANHOLE
S	STEEL POLE		STORM INLET / CATCH BASIN
	CATV POLE	G	GAS VALVE / METER
	PROPOSED POLE	P	ELECTRIC MANHOLE
R	RISER	P	ELECTRIC HANDHOLE
	PROPOSED STORAGE LOOP		STREET LIGHT
	FIBER SPLICE	ELEC BOX	BURIED TRANSFORMER
	MIDSHEATH SPLICE	TRAF	TRAFFIC HANDHOLE
	TO C.O.		TRAFFIC POLE / SIGNAL
SPLT	SPLITTER HANDHOLE (13"X24"X18")	T	TELCO MANHOLE
SM	SMALL HANDHOLE (17"X30"X24")	TL	TELCO HANDHOLE
MED	MEDIUM HANDHOLE (24"X36"X24")	T	TELCO PEDESTAL
LHH	LARGE HANDHOLE (30"X48"X24")	CV	CABLE TV HANDHOLE
HH	EXISTING HANDHOLE	CV	CABLE TV PEDESTAL
P	PROPOSED PEDESTAL	1x8	PROPOSED 1x8 SPLITTER
P	EXISTING PEDESTAL	1x4	PROPOSED 1x4 SPLITTER
	PROPOSED FP		SIGN
	TREE		BORE PIT

lumos™
INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

PREPARED BY:6030 BETHELVIEW RD,SUITE #301
CUMMING, GA 30040.USA

CENTILLION SOLUTIONS

PROJECT INFORMATION

SITE NAME:	LE1_006_FDH_12
SITE ADDRESS:	721 MOORE AVE
COUNTY:	LEE
APPROVER:	

SUBMITTAL INFORMATION

REV	DATE	DESCRIPTION	INIT
0	04/02/2026	PERMIT DRAWING	CENT

CONSTRUCTION NOTES:

N

SHEET TITLE
LEGEND

SHEET NUMBER
GN-1

DRAWING SHEET
2 OF 6

AERIAL & U/G NOTES

ALL PROPOSED CONSTRUCTION WILL BE PER FDOT SPECIFICATIONS AS WELL AS ALL NESC SAFETY CODES.

ALL PROPOSED CATV WILL BE WITHIN THE FDOT RIGHT-OF-WAY.

ALL AERIAL CANAL RIGHT-OF-WAY CROSSINGS MUST BE A MINIMUM 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 BURIED A MINIMUM OF 40" 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 PARALLEL 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 FDOT RIGHT-OF-WAY.

ALL WORK PERFORMED WITHIN THE FDOT RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH FDOT 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.

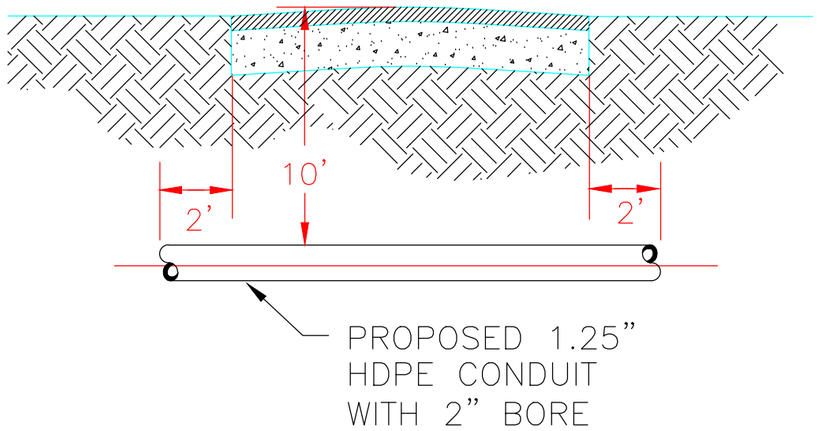
IT WILL BE THE RESPONSIBILITY OF THE PERMITTEE TO REPAIR ANY DAMAGE TO FDOT FACILITIES CAUSED BY THE CONSTRUCTION OF THE PROJECT.

ALL CONCRETE SHALL BE 3,000 PSI. APPROVED FDOT MIX DESIGN.

UTILITIES CONTACT

LEHIGH ACRES MUNICIPAL SERVICES
IMPROVEMENT DISTRICT
MICHAEL COOK
(239) 366-0044 Ext. 16
MCOOK@LA-MSID.COM
STORM WATER/CANALS

LUMOS
JASON BUSH
CONSTRUCTION MANAGER
941-812-2913
JASON.BUSH@LUMOSFIBER.COM



TYPICAL DRIVEWAY DIRECTIONAL BORE

N.T.S.

MOT NOTES

TRAFFIC CONTROL SHALL COMPLY WITH FEDERAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND F.D.O.T. DESIGN STANDARD #NO. 600.

INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

PREPARED BY:6030 BETHELVIEW RD,SUITE #301
CUMMING, GA 30040.USA

PROJECT INFORMATION	
SITE NAME:	LE1_006_FDH_12
SITE ADDRESS:	721 MOORE AVE
COUNTY:	LEE
APPROVER:	

SUBMITTAL INFORMATION			
REV	DATE	DESCRIPTION	INIT
0	04/02/2026	PERMIT DRAWING	CENT

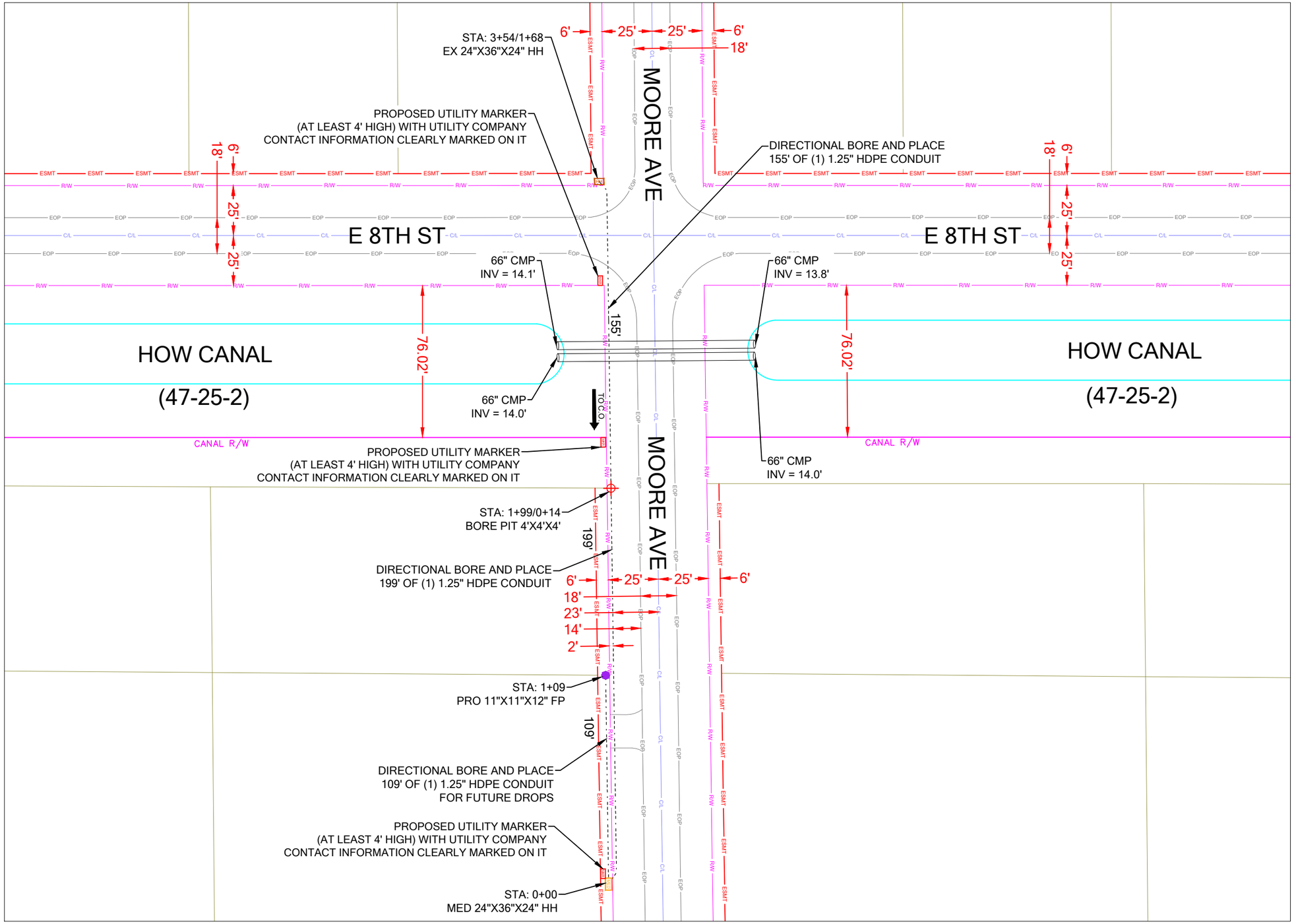
CONSTRUCTION NOTES:

N

SHEET TITLE: GENERAL NOTES

SHEET NUMBER: GN-2

DRAWING SHEET: 3 OF 6



CONSTRUCTION NOTES

N

(1) 1.25" CONDUIT WITH 2" BORE.

BORE MUST BE 10' BELOW THE LOWEST PIPE INVERT OR THE CANAL BOTTOM, WHICHEVER IS LOWEST, FOR THE ENTIRE 76.02' 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.

SHEET LAYOUT



NOTE: LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION.

NOTE: ALL EXISTING UTILITIES PLACED ON PRINTS FOR REFERENCE ONLY. (NOT TO SCALE)

Sunshine811

lumos™
INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

6030 BETHELVIEW RD, SUITE #301
PREPARED BY: CUMMING, GA 30040. USA
CENTILLION SOLUTIONS

PROJECT INFORMATION

SITE NAME:	LE1_006_FDH_12
SITE ADDRESS:	721 MOORE AVE
COUNTY:	LEE
APPROVER:	

0' 25' 50'
SCALE: 1"=50'

SUBMITTAL INFORMATION

REV	DATE	DESCRIPTION	INIT
0	04/02/2026	PERMIT DRAWING	CENT

CONSTRUCTION NOTES:

BORE ALL BURIED ROUTES
. MIN DEPTH OF 36"
. ALL CABLE PLACED IN 1.25" HDPE 2' OFF ROW UNLESS SPECIFIED
. SIDEWALKS TO BE REPLACED JOINT TO JOINT
. PLACED AT BACK OF ROW

SHEET TITLE
CONSTRUCTION PLANS

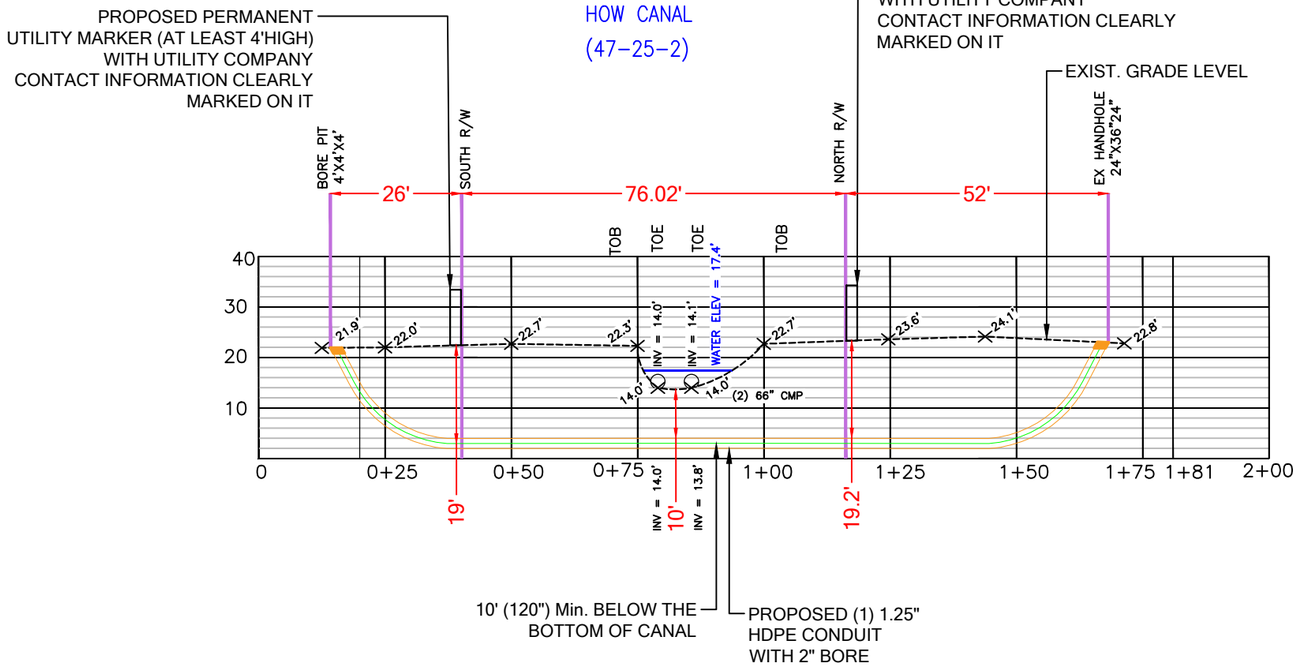
SHEET NUMBER
SP-1

DRAWING SHEET
4 OF 6

U/G CANAL CROSS PROFILE VIEW

1" = 30' HORIZONTAL
1" = 30' VERTICAL

HOW CANAL
(47-25-2)



CONSTRUCTION NOTES

(1) 1.25" CONDUIT WITH 2" BORE.

BORE MUST BE 10' BELOW THE LOWEST PIPE INVERT OR THE CANAL BOTTOM, WHICHEVER IS LOWEST, FOR THE ENTIRE 76.02' 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.

SHEET LAYOUT



NOTE: LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION.

NOTE: ALL EXISTING UTILITIES PLACED ON PRINTS FOR REFERENCE ONLY. (NOT TO SCALE)

Sunshine811

INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

PREPARED BY: 6030 BETHELVIEW RD, SUITE #301 CUMMING, GA 30040. USA
CENTILLION SOLUTIONS

PROJECT INFORMATION

SITE NAME:	LE1_006_FDH_12
SITE ADDRESS:	721 MOORE AVE
COUNTY:	LEE
APPROVER:	

0' 15' 30'
SCALE: 1"=30'

SUBMITTAL INFORMATION

REV	DATE	DESCRIPTION	INIT
0	04/02/2026	PERMIT DRAWING	CENT

CONSTRUCTION NOTES:

BORE ALL BURIED ROUTES
. MIN DEPTH OF 36"
. ALL CABLE PLACED IN 1.25" HDPE 2' OFF ROW UNLESS SPECIFIED
. SIDEWALKS TO BE REPLACED JOINT TO JOINT
. PLACED AT BACK OF ROW

SHEET TITLE
CONSTRUCTION PLANS

SHEET NUMBER
SP-1A

DRAWING SHEET
5 OF 6



BORE CROSSING
HOW CANAL
(47-25-2)

lumos™
INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

PREPARED BY:6030 BETHELVIEW RD,SUITE #301
CUMMING, GA 30040.USA

CENTILLION SOLUTIONS

PROJECT INFORMATION	
SITE NAME:	LE1_006_FDH_12
SITE ADDRESS:	721 MOORE AVE
COUNTY:	LEE
APPROVER:	

SUBMITTAL INFORMATION			
REV	DATE	DESCRIPTION	INIT
0	04/02/2026	PERMIT DRAWING	CENT

CONSTRUCTION NOTES:

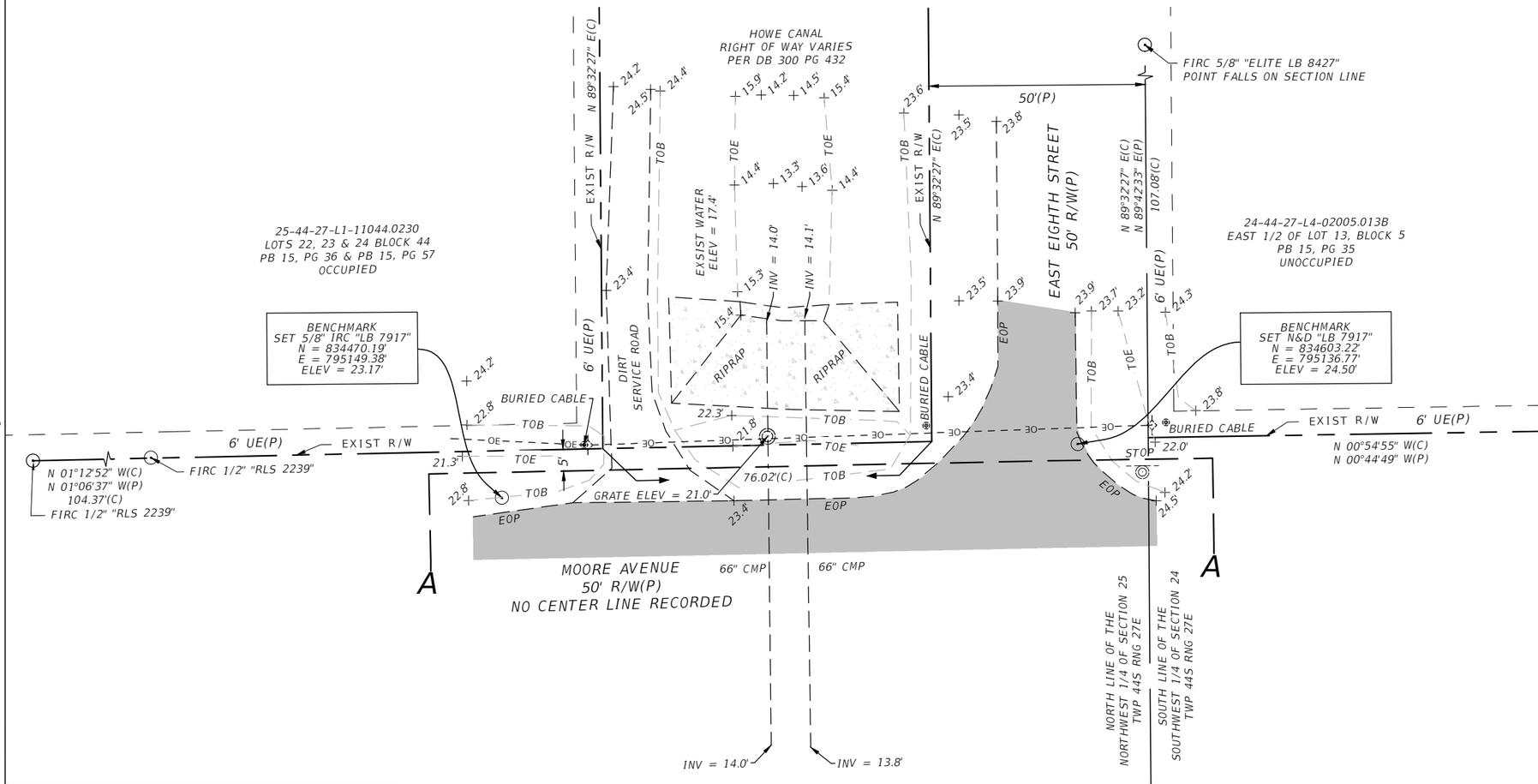
N

SHEET TITLE
IMAGE

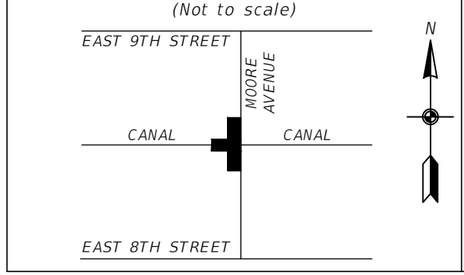
SHEET NUMBER
SP-1B

DRAWING SHEET
6 OF 6

SEE SHEET 02 FOR 1" = 20'
SECTION A-A PROFILE VIEW



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
UE	= 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
	= GUY ANCHOR
	= POWER POLE
	= UNDERGROUND UTILITY MARKER
	= STORM MANHOLE
	= WATER METER

Topographic Survey of a Subject Project Site

LYING WITHIN

Section 24 & 25, Township 44 South, Range 27 East
Lehigh Acres, Lee County, Florida

NOTES:

Survey based on the plat of Plat of Section 24, Lehigh Acres as recorded in Plat Book 15 Page 35, Plat of Blocks 41, 42, 43 & 44 Unit 11 SEC. 24, TWP. 44 S, RGE. 27 E as recorded in Plat Book 15 Page 57 and Plat of Section 25, Lehigh Acres as recorded in Plat Book 15 Page 36, 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 Moore Avenue between East Eighth Street and East Ninth 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 "AE" per FEMA insurance rate map 125124 0339F (Published 08/28/2008), therefore having a base flood elevation of 24.7 feet (NAVD 88).

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: 12/15/2025

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.

Moore Avenue, Lehigh Acres

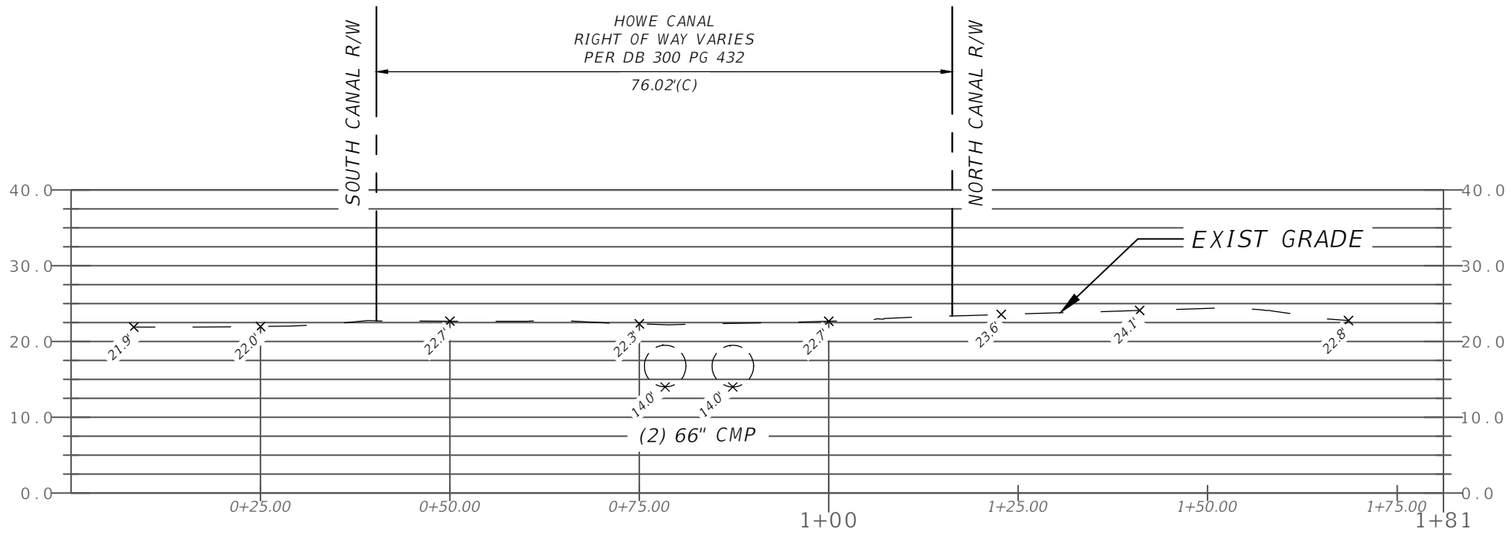
TOPOGRAPHIC SURVEY-PLAN VIEW

McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name: L034-721 Moore Ave.dwg	Field book/page: 106981-3/19	Project No.: 106980001-L034	
Survey date: 12/15/2025	Drawn by: JRB	Checked by: TJH	Sheet No.: 01 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L034-721 MOORE AVE (PRIORITIZE)\L034-721 Moore Ave.dwg

Topographic Survey of a
Subject Project Site
Section 24 & 25, 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

Moore Avenue, Lehigh Acres

TOPOGRAPHIC SURVEY-PROFILE VIEW

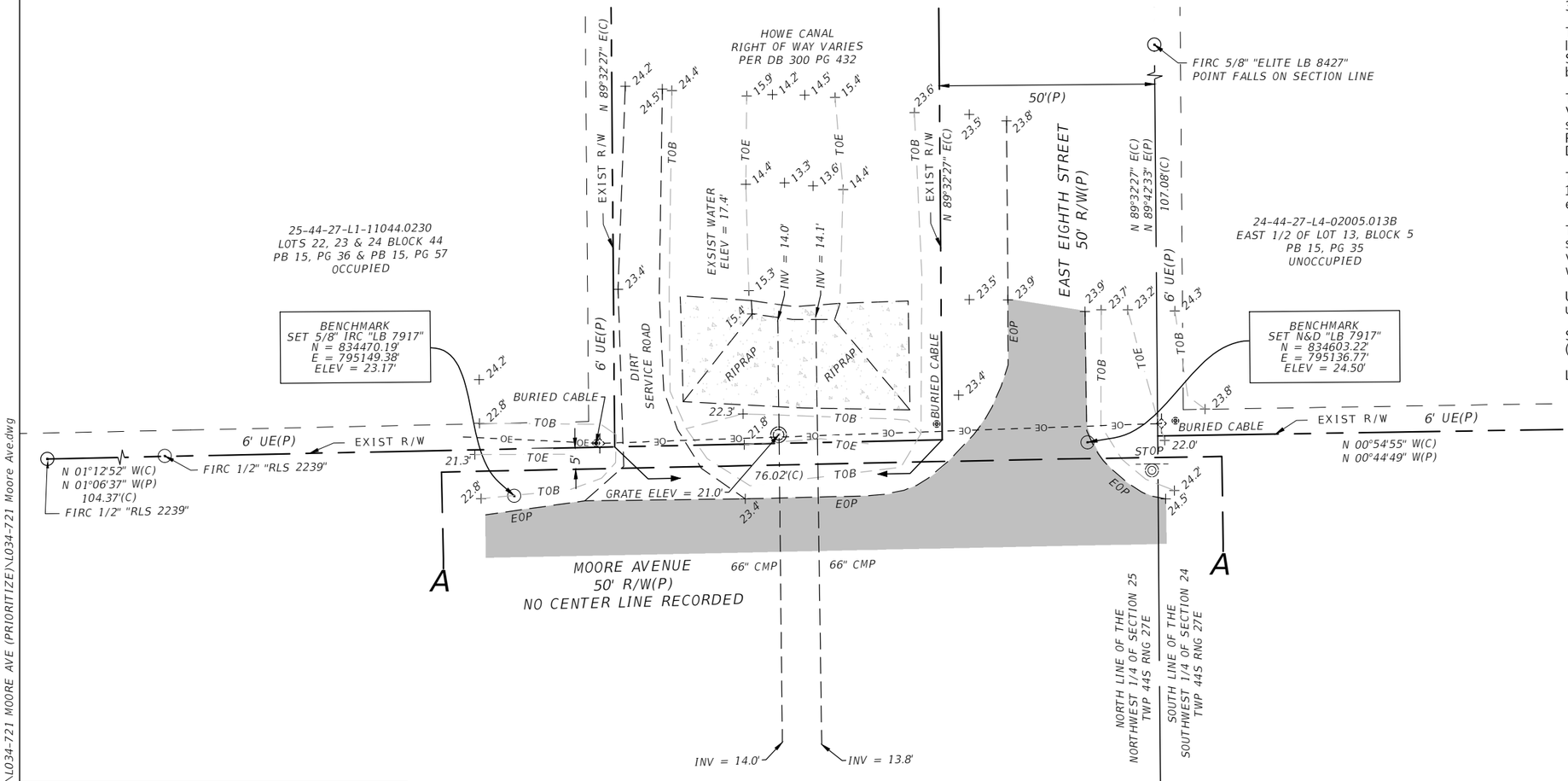
McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name:	Field book/page:	Project No.:
L034-721 Moore Ave.dwg	106981-3/19	106980001-L034

Survey date:	Drawn by:	Checked by:	Sheet No.:
12/15/2025	JRB	TJH	02 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L034-721 MOORE AVE (PRIORITIZE)\L034-721 Moore Ave.dwg

SEE SHEET 02 FOR 1" = 20'
SECTION A-A PROFILE VIEW



Topographic Survey of a Subject Project Site

LYING WITHIN

Section 24 & 25, Township 44 South, Range 27 East
Lehigh Acres, Lee County, Florida

NOTES:

Survey based on the plat of Plat of Section 24, Lehigh Acres as recorded in Plat Book 15 Page 35, Plat of Blocks 41, 42, 43 & 44 Unit 11 SEC. 24, TWP. 44 S, RGE. 27 E as recorded in Plat Book 15 Page 57 and Plat of Section 25, Lehigh Acres as recorded in Plat Book 15 Page 36, 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 Moore Avenue between East Eighth Street and East Ninth 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 "AE" per FEMA insurance rate map 125124 0339F (Published 08/28/2008), therefore having a base flood elevation of 24.7 feet (NAVD 88).

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: 12/15/2025

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.

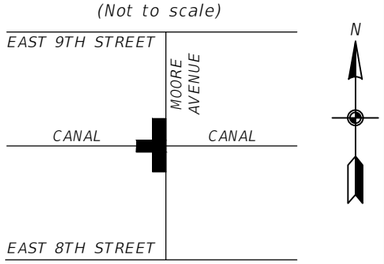
This survey is only for the lands as described. It is not a certificate of title, zoning, easements or freedom of encumbrances.

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.

Moore Avenue, 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
UE	= 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
	= GUY ANCHOR
	= POWER POLE
	= UNDERGROUND UTILITY MARKER
	= STORM MANHOLE
	= WATER METER

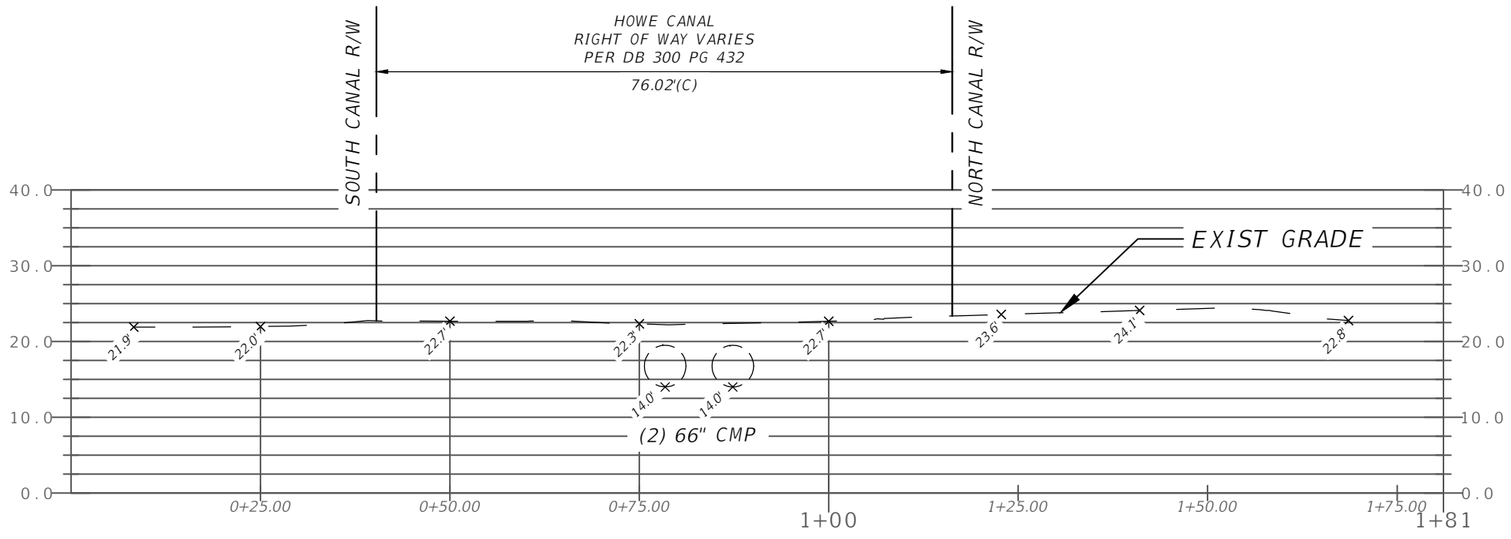
TOPOGRAPHIC SURVEY-PLAN VIEW

McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name: L034-721 Moore Ave.dwg	Field book/page: 106981-3/19	Project No.: 106980001-L034
Survey date: 12/15/2025	Drawn by: JRB	Checked by: TJH	Sheet No.: 01 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L034-721 MOORE AVE (PRIORITIZE)\L034-721 Moore Ave.dwg

Topographic Survey of a
Subject Project Site
Section 24 & 25, 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

Moore Avenue, Lehigh Acres

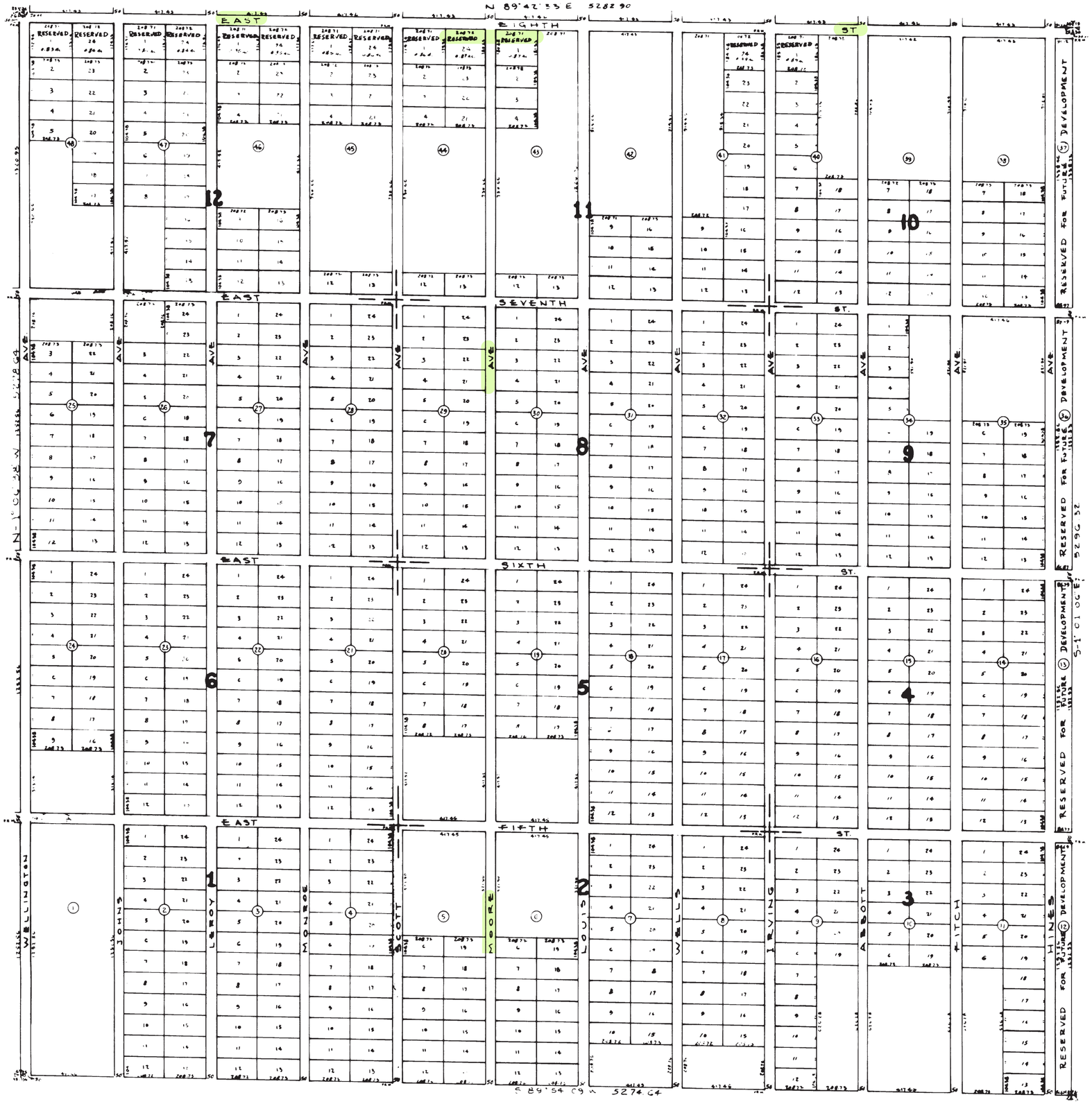
TOPOGRAPHIC SURVEY-PROFILE VIEW

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.:
L034-721 Moore Ave.dwg	106981-3/19	106980001-L034

Survey date:	Drawn by:	Checked by:	Sheet No.:
12/15/2025	JRB	TJH	02 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L034-721 MOORE AVE (PRIORITIZE)\L034-721 Moore Ave.dwg



PLAT
OF
SECTION 25
TWP. 44 S. RGE 27 E

A SUBDIVISION OF

"LEHIGH ACRES"

LEE COUNTY, FLA.

LEE COUNTY LAND & TITLE CO. DEVELOPERS

SCALE 0 100 200 300 400

FEB. 10, 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. Roger Vice Pres

FLORIDA REG'D LAND SURVEYOR NO. 675
" " ENGINEER NO. 880

NOTE:
ALL LOTS SUBJECT TO A 6.0 UTILITY EASEMENT ON ALL SIDES OF LOT.
INTERIOR PRM'S ARE 4"x4"x24" CONCRETE
SECTION COR PRM'S ARE 6"x6"x36" CONCRETE
ALL LOTS EQUAL 1/2 ACRE EXCEPT WHERE NOTED

NOTE
DIMENSIONS, BEARINGS, LOT AND LAND LINES ON DRAWING OF LATEST DATE SHALL GOVERN.

Petition to Vacate
Petition No:2003-00051
Description:Portion of 12ft wide public utility easement
See CCMB
Date of Approval:10/14/03
Resolution No:03-10-16
CCMB:2003R Page:689
Recorded on:11/06/03 OR Book:4114
Page:3741-3744

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 Welchle
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 George S. Hunter
Chairman

D. L. Farahee
Clerk

County Attorney

Stacey Bruce
County Road Superintendent

360798

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 46, 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 86°-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 #26-37

Recommended Action

Engineering Review:

By: _____5/7/2026 **Approved _X_ Denied __**

District Field Review:

By: _____ Approved ___ Denied ___

District Manager: _____ Date: _____

Comments:

The referenced permit application for a boring under How Canal (47-25-2) at Moore Ave, in Lehigh Acres, submitted by Lumos, 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
PERMIT

THIS PERMIT is granted this 18th day of May, 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 Titmouse Canal (57-12-6), along the east side of Naples Ave. S. between Crescent St. & Crystal 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. 26-38

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 #26-38 is approved according to the revised plans submitted April 30th, 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' width of 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 Naples Ave. S.

PART I

DATE SUBMITTED: 04 - 30 - 26

PERMIT #: 26 - 38

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_07-437 Naples ave s-Titmouse Canal #57-12-6

TOTAL ACREAGE: NA

Property Address (STRAP associated with this address will be used as the primary STRAP for this project): **437 Naples Ave S**					
Mailing Address:	**NA**				
City:	**Lehigh Acres**	**State:**	**FL**	**Zip:**	**33974**

STRAP NUMBERS (attach additional sheet if necessary):

1	2	4	5	2	7	L	3	1	9	0	9	2	0	0	1	0			

Brief description of proposed project:

Application for: Lumos proposes to install (1) 1.25" Conduit(s) with an 80' UG bore utilizing a 2" bore head to cross the Titmouse Canal (57-12-6) at Naples Ave S within MSID easement boundaries. This application covers the permanent underground installation only.

RECEIVED
APR 30 2026
LEHIGH ACRES
MUNICIPAL SERVICES
IMPROVEMENT DISTRICT

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

Estimated # of Phases:	1	
***Permit Fee:**	$ 1,950.00	**(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 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:	**Milenium Directional Drilling, Inc**						
Mailing Address:	**Street:**	**5395 Cogswell Dr**					
City:	**Wayne**	**State:**	**MI**		**Zip:**	**48184**	
Phone No.	**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:**	**GA**		**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:	**NA**						
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 April (m), 2026 (y), by William Kiefer who is personally know to me or has produced N/A as identification.

OFFICIAL SEAL
KYLE LEWIS PARKEY
NOTARY PUBLIC - ARIZONA
MARICOPA COUNTY
COMM# 691029
My Comm. Expires December 15, 2029

Kyle Parkey
SIGNATURE OF NOTARY PUBLIC

Kyle Lewis Parkey

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 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	**The thumb drives only have AutoCAD files of the plans Need the survey sheets as well and PDF files of plans and surveys**
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.

GRIDIRON
P.O. BOX 1028
WAYNESBORO, VA 22980

FIFTH THIRD BANK
13-31/420

60002676

02/12/2026

PAY TO THE ORDER OF LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT $ **$1,950.00

one thousand nine hundred fifty and 00/100********** DOLLARS

VOID IF NOT CASHED IN 90 DAYS

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRI
601 East County Ln
Lehigh Acres FL 33936
United States

MEMO

MP

⑈60002676⑈ ⑆042000314⑆ 7029100125⑈

GRIDIRON

60002676

02/12/2026 404662 LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

Type	Ref. No.	Date	Description	Orig. Amt.	Amt. Due	Credit	Payment
Bill	29			$1,950.00	$1,950.00		$1,950.00

GRIDIRON

60002676

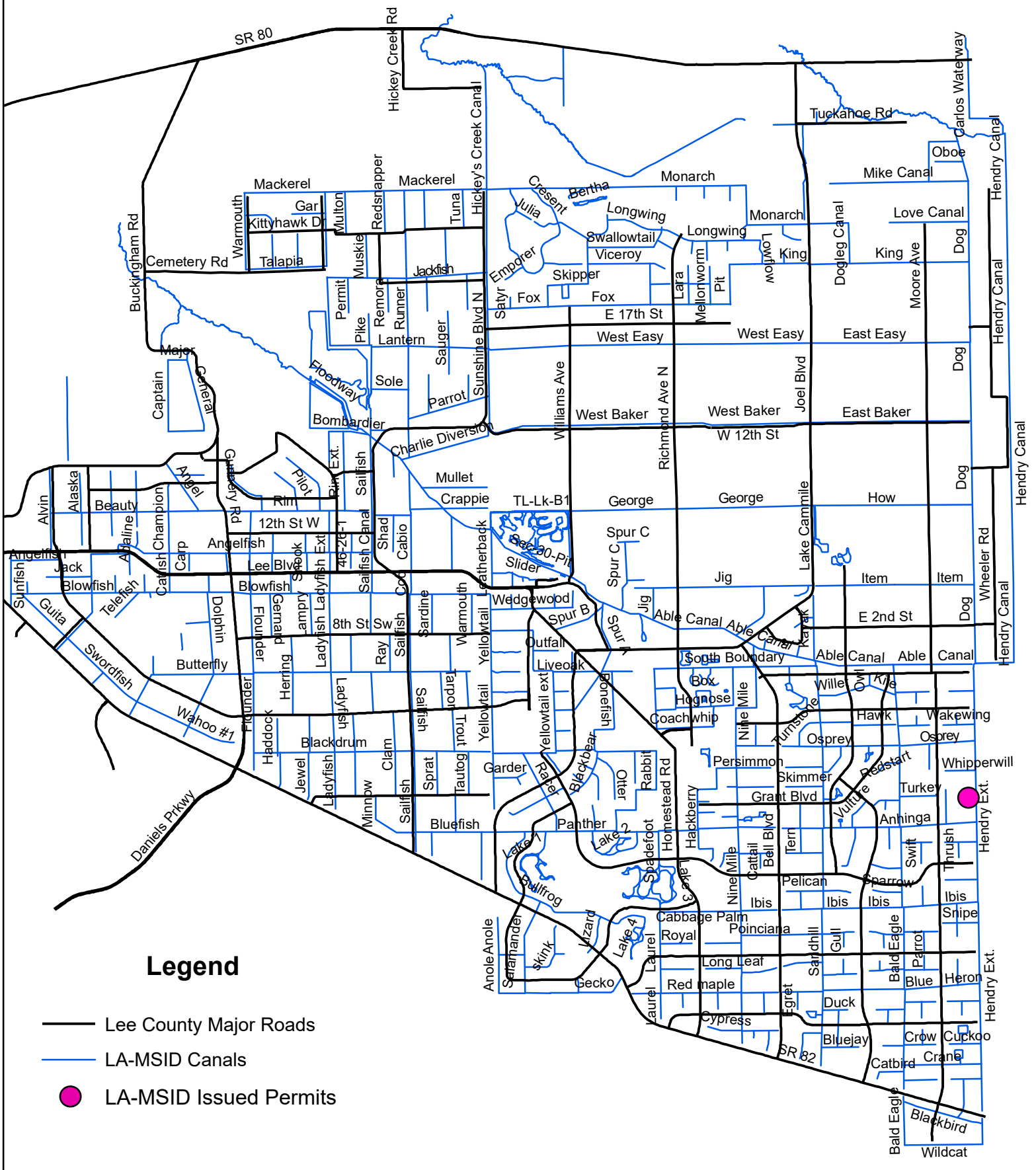
02/12/2026 404662 LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

Type	Ref. No.	Date	Description	Orig. Amt.	Amt. Due	Credit	Payment
Bill	29			$1,950.00	$1,950.00		$1,950.00

Permit # 76-38

Scanned with CamScanner

Permit # 2026-38



Legend

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

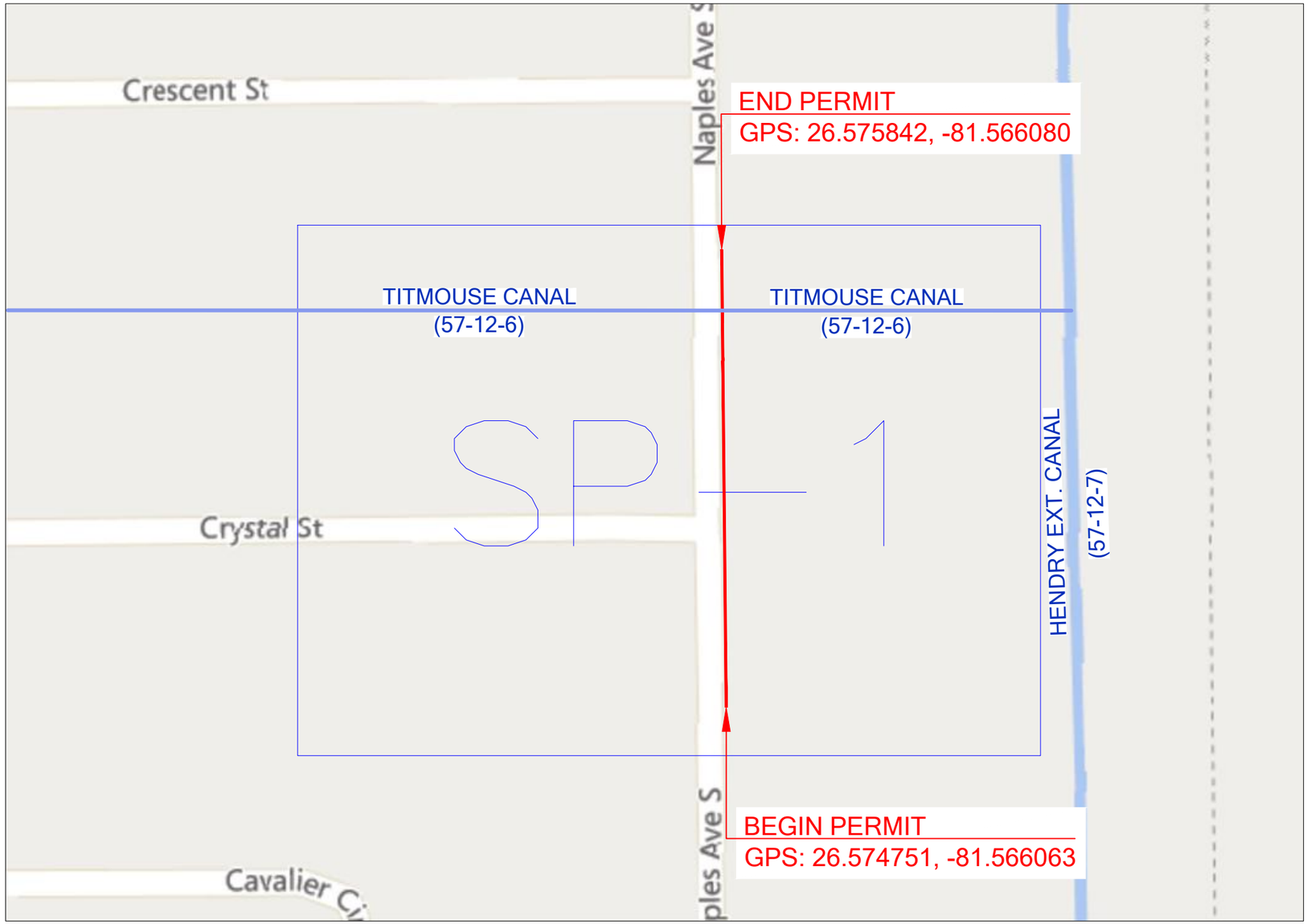
LUMOS NETWORKS
JOB NUMBER: R0LEEFL-07-07
ROUTE NAME: LE1_007_FDH_07

LUMOS PROPOSED FIBER OPTIC NETWORK PLACEMENT

CONSTRUCTION METHOD	FOOTAGE
UNDERGROUND	80′
AERIAL	0'

TOTAL PROPOSED FOOTAGE = 80′

INDEX TO SHEET	
SHEET	TITLE
CV-1	LOCATION MAP
GN-1	LEGEND
GN-2	GENERAL NOTES AND CONSTRUCTION NOTE
SP-1	CONSTRUCTION PLANS
SP-A	PROFILE VIEW
SP-B	IMAGES



INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

PREPARED BY:6030 BETHELVIEW RD,SUITE #301
CUMMING, GA 30040.USA

PROJECT INFORMATION	
SITE NAME:	LE1_007_FDH_07
SITE ADDRESS:	437 NAPLES AVE S
COUNTY:	LEE
APPROVER:	

SUBMITTAL INFORMATION			
REV	DATE	DESCRIPTION	INIT
0	02/26/2026	PERMIT DRAWING	CENT
1	03/11/2026	PERMIT DRAWING	CENT
2	03/26/2026	PERMIT DRAWING	CENT
3	04/10/2026	PERMIT DRAWING	CENT
4	04/14/2026	PERMIT DRAWING	CENT

CONSTRUCTION NOTES:

N

SHEET TITLE: LOCATION MAP

SHEET NUMBER: CV-1

DRAWING SHEET: 1 OF 6

LUMOS:

NAME: JASON BUSH
CELL: (850)428 - 1313

UTILITIES:

FL811 (800-432-4770)

CENTILLION:

CRAIG BLACK - PROJECT MANAGER
(CELL)720-597-5320

PERMITS:

LEHIGH ACRES MSID - PERMIT NUMBER / DATE: TBD

LINETYPE LEGEND

EOP	= EX. EDGE OF PAVEMENT
C/L	= EX. CENTER LINE
R/W	= EX. RIGHT OF WAY
ESMT	= EX. EASEMENT
	= EX. PROPERTY LINE
	= EX. BUILDING EDGE
OHF OHF	= EX. OVERHEAD FIBER
BFO BFO	= EX. BURIED FIBER
EX_STRAND	= EX. STRAND
	= EX. FENCE
GR GR	= EX. GUARDRAIL
	= RAILROAD
DB	= DIRECTIONAL BORE
	= WATER BODY
	= CULVERT
OHF OHF	= PROP. OVERHEAD FIBER
BFO BFO	= PROP. BURIED FIBER
	= PROP. CONDUIT
Strand Strand	= PROP. STRAND
	= PROP. MULTIPORT TAIL
SD	= STORM DRAINAGE
SS	= SEWER LINE
W	= WATER LINE
T	= TELCO LINE
TV	= CABLE TV LINE
E	= ELECTRIC LINE
TRAFF	= TRAFFIC LINE
G	= GAS LINE
	= DITCH LINE

SYMBOL LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	PROPOSED ANCHOR & GUY		DUCT COUNT
	FOREIGN/EXISTING ANCHOR & GUY		FIRE HYDRANT
	MGNV		WATER VALVE / METER
	JOINT USE POLE	W	WATER MANHOLE
	POWER POLE	S	SEWER MANHOLE
	COMMUNICATION POLE	SD	STORM MANHOLE
S	STEEL POLE		STORM INLET / CATCH BASIN
	CATV POLE	G	GAS VALVE / METER
	PROPOSED POLE	P	ELECTRIC MANHOLE
R	RISER	P	ELECTRIC HANDHOLE
	PROPOSED STORAGE LOOP		STREET LIGHT
	FIBER SPLICE	ELEC BOX	BURIED TRANSFORMER
	MIDSHEATH SPLICE	TRAF	TRAFFIC HANDHOLE
	TO C.O.		TRAFFIC POLE / SIGNAL
SPLT	SPLITTER HANDHOLE (13"X24"X18")	T	TELCO MANHOLE
SM	SMALL HANDHOLE (17"X30"X24")	TL	TELCO HANDHOLE
MED	MEDIUM HANDHOLE (24"X36"X24")	T	TELCO PEDESTAL
LHH	LARGE HANDHOLE (30"X48"X24")	CV	CABLE TV HANDHOLE
HH	EXISTING HANDHOLE	CV	CABLE TV PEDESTAL
P	PROPOSED PEDESTAL	1X8	PROPOSED 1x8 SPLITTER
P	EXISTING PEDESTAL	1X4	PROPOSED 1x4 SPLITTER
	PROPOSED FP		SIGN
	TREE		BORE PIT

INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

PREPARED BY:6030 BETHELVIEW RD,SUITE #301
CUMMING, GA 30040.USA

PROJECT INFORMATION	
SITE NAME:	LE1_007_FDH_07
SITE ADDRESS:	437 NAPLES AVE S
COUNTY:	LEE
APPROVER:	

SUBMITTAL INFORMATION			
REV	DATE	DESCRIPTION	INIT
0	02/26/2026	PERMIT DRAWING	CENT
1	03/11/2026	PERMIT DRAWING	CENT
2	03/26/2026	PERMIT DRAWING	CENT
3	04/10/2026	PERMIT DRAWING	CENT
4	04/14/2026	PERMIT DRAWING	CENT

CONSTRUCTION NOTES:

N

SHEET TITLE
LEGEND

SHEET NUMBER
GN-1

DRAWING SHEET
2 OF 6

AERIAL & U/G NOTES

ALL PROPOSED CONSTRUCTION WILL BE PER FDOT SPECIFICATIONS AS WELL AS ALL NESC SAFETY CODES.

ALL PROPOSED CATV WILL BE WITHIN THE FDOT RIGHT-OF-WAY.

ALL AERIAL CANAL RIGHT-OF-WAY CROSSINGS MUST BE A MINIMUM 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 BURIED A MINIMUM OF 40" 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 PARALLEL 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 FDOT RIGHT-OF-WAY.

ALL WORK PERFORMED WITHIN THE FDOT RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH FDOT 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.

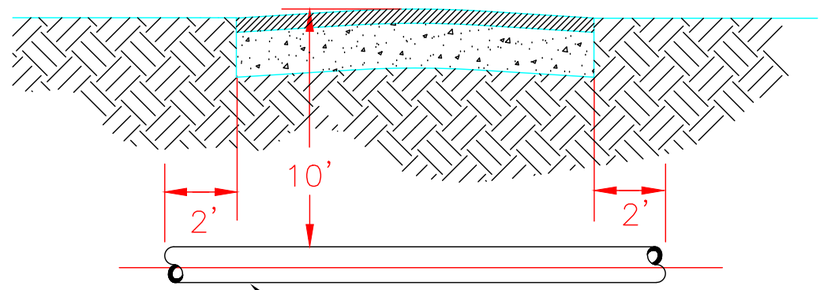
IT WILL BE THE RESPONSIBILITY OF THE PERMITTEE TO REPAIR ANY DAMAGE TO FDOT FACILITIES CAUSED BY THE CONSTRUCTION OF THE PROJECT.

ALL CONCRETE SHALL BE 3,000 PSI. APPROVED FDOT MIX DESIGN.

UTILITIES CONTACT

LEHIGH ACRES MUNICIPAL SERVICES
IMPROVEMENT DISTRICT
MICHAEL COOK
(239) 366-0044 Ext. 16
MCOOK@LA-MSID.COM
STORM WATER/CANALS

LUMOS
JASON BUSH
CONSTRUCTION MANAGER
(JASON.BUSH@LUMOSFIBER.COM)
941-812-2913



TYPICAL DRIVEWAY DIRECTIONAL BORE

N.T.S.

MOT NOTES

TRAFFIC CONTROL SHALL COMPLY WITH FEDERAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND F.D.O.T. DESIGN STANDARD #NO. 600.

lumos™
INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

PREPARED BY:6030 BETHELVIEW RD,SUITE #301
CUMMING, GA 30040.USA
CENTILLION SOLUTIONS

PROJECT INFORMATION	
SITE NAME:	LE1_007_FDH_07
SITE ADDRESS:	437 NAPLES AVE S
COUNTY:	LEE
APPROVER:	

SUBMITTAL INFORMATION			
REV	DATE	DESCRIPTION	INIT
0	02/26/2026	PERMIT DRAWING	CENT
1	03/11/2026	PERMIT DRAWING	CENT
2	03/26/2026	PERMIT DRAWING	CENT
3	04/10/2026	PERMIT DRAWING	CENT
4	04/14/2026	PERMIT DRAWING	CENT

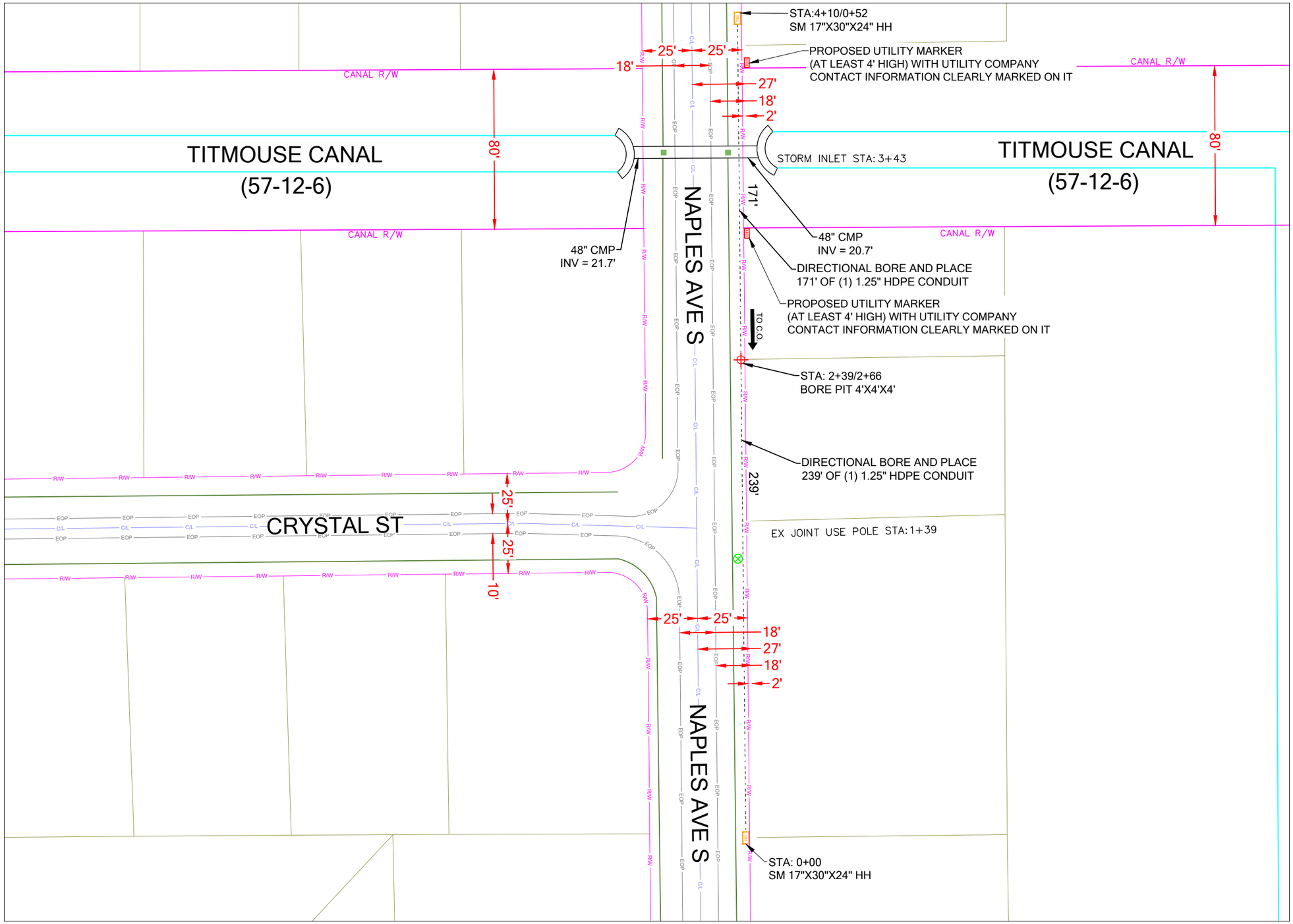
CONSTRUCTION NOTES:

N

SHEET TITLE
GENERAL NOTES

SHEET NUMBER
GN-2

DRAWING SHEET
3 OF 6

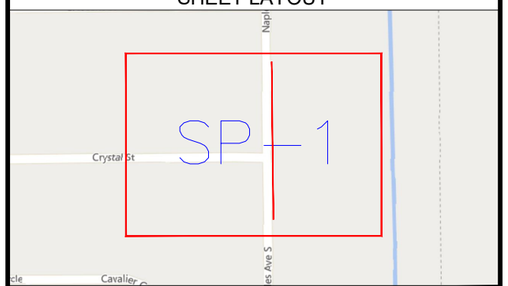


CONSTRUCTION NOTES

(1) 1.25" CONDUIT WITH 2" BORE.

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.

SHEET LAYOUT



NOTE: LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION.

NOTE: ALL EXISTING UTILITIES PLACED ON PRINTS FOR REFERENCE ONLY. (NOT TO SCALE)

Sunshine811

INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

PREPARED BY: 6030 BETHELVIEW RD, SUITE #301
CUMMING, GA 30040. USA

CENTILLION SOLUTIONS

PROJECT INFORMATION

SITE NAME:	LE1_007_FDH_07
SITE ADDRESS:	437 NAPLES AVE S
COUNTY:	LEE
APPROVER:	

0' 25' 50'
SCALE: 1"=50'

SUBMITTAL INFORMATION

REV	DATE	DESCRIPTION	INIT
0	02/26/2026	PERMIT DRAWING	CENT
1	03/11/2026	PERMIT DRAWING	CENT
2	03/26/2026	PERMIT DRAWING	CENT
3	04/10/2026	PERMIT DRAWING	CENT
4	04/14/2026	PERMIT DRAWING	CENT

CONSTRUCTION NOTES:

BORE ALL BURIED ROUTES
. MIN DEPTH OF 36"
. ALL CABLE PLACED IN 1.25" HDPE 2' OFF ROW UNLESS SPECIFIED
. SIDEWALKS TO BE REPLACED JOINT TO JOINT
. PLACED AT BACK OF ROW

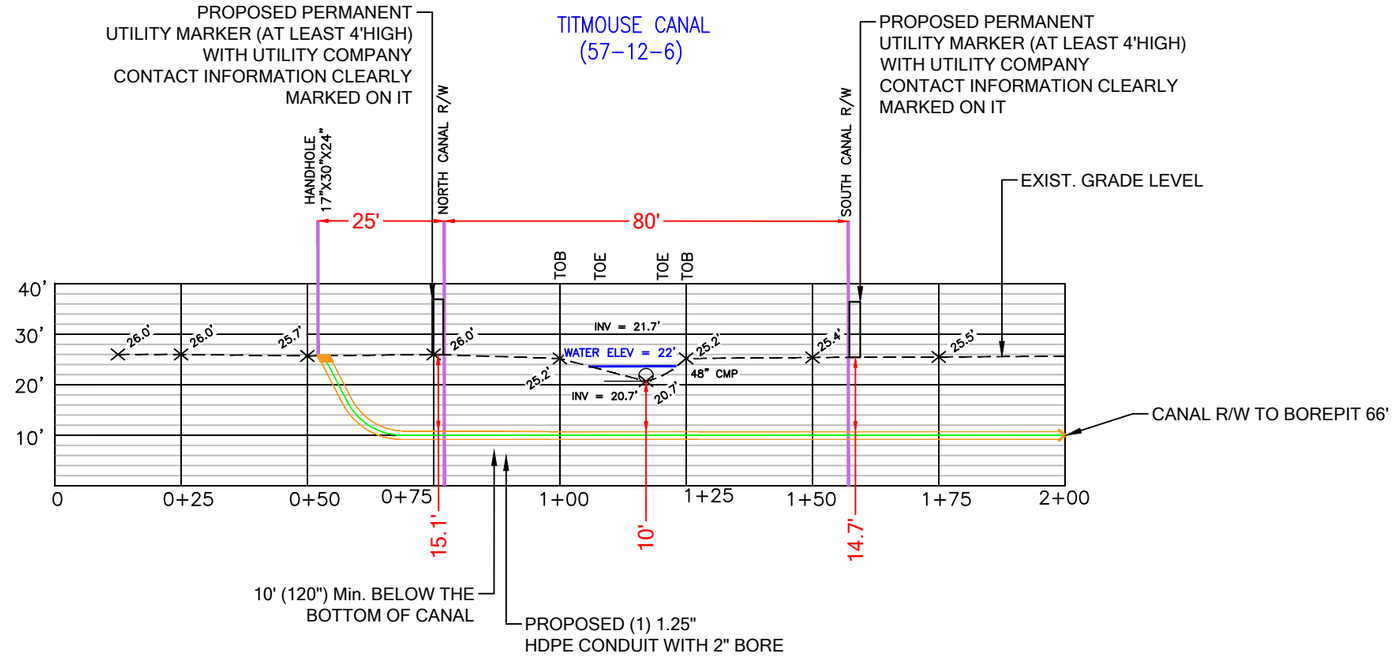
SHEET TITLE
CONSTRUCTION PLANS

SHEET NUMBER
SP-1

DRAWING SHEET
4 OF 6

U/G CANAL CROSS PROFILE VIEW

1" = 30' HORIZONTAL
1" = 30' VERTICAL

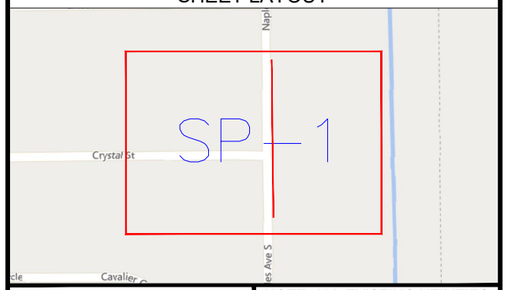


CONSTRUCTION NOTES

(1) 1.25" CONDUIT WITH 2" BORE.

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.

SHEET LAYOUT



NOTE: LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION.

NOTE: ALL EXISTING UTILITIES PLACED ON PRINTS FOR REFERENCE ONLY. (NOT TO SCALE)

Sunshine811

lumos™
INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

6030 BETHELVIEW RD, SUITE #301
PREPARED BY: CUMMING, GA 30040. USA
CENTILLION SOLUTIONS

PROJECT INFORMATION

SITE NAME:	LE1_007_FDH_07
SITE ADDRESS:	437 NAPLES AVE S
COUNTY:	LEE
APPROVER:	

0' 15' 30'
SCALE: 1"=30'

SUBMITTAL INFORMATION

REV	DATE	DESCRIPTION	INIT
0	02/26/2026	PERMIT DRAWING	CENT
1	03/11/2026	PERMIT DRAWING	CENT
2	03/26/2026	PERMIT DRAWING	CENT
3	04/10/2026	PERMIT DRAWING	CENT
4	04/14/2026	PERMIT DRAWING	CENT

CONSTRUCTION NOTES:

BORE ALL BURIED ROUTES
. MIN DEPTH OF 36"
. ALL CABLE PLACED IN 1.25" HDPE 2' OFF ROW UNLESS SPECIFIED
. SIDEWALKS TO BE REPLACED JOINT TO JOINT
. PLACED AT BACK OF ROW

SHEET TITLE
CONSTRUCTION PLANS

SHEET NUMBER
SP-1A

DRAWING SHEET
5 OF 6



BORE CROSSING
TITMOUSE CANAL
(57-12-6)

lumos™

INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

PREPARED BY:6030 BETHELVIEW RD,SUITE #301
CUMMING, GA 30040.USA

CENTILLION SOLUTIONS

PROJECT INFORMATION	
SITE NAME:	LE1_007_FDH_07
SITE ADDRESS:	437 NAPLES AVE S
COUNTY:	LEE
APPROVER:	

SUBMITTAL INFORMATION

REV	DATE	DESCRIPTION	INIT
0	02/26/2026	PERMIT DRAWING	CENT
1	03/11/2026	PERMIT DRAWING	CENT
2	03/26/2026	PERMIT DRAWING	CENT
3	04/10/2026	PERMIT DRAWING	CENT
4	04/14/2026	PERMIT DRAWING	CENT

CONSTRUCTION NOTES:

N

SHEET TITLE
IMAGE

SHEET NUMBER
SP-1B

DRAWING SHEET
6 OF 6

Topographic Survey of a Subject Project Site

lying within

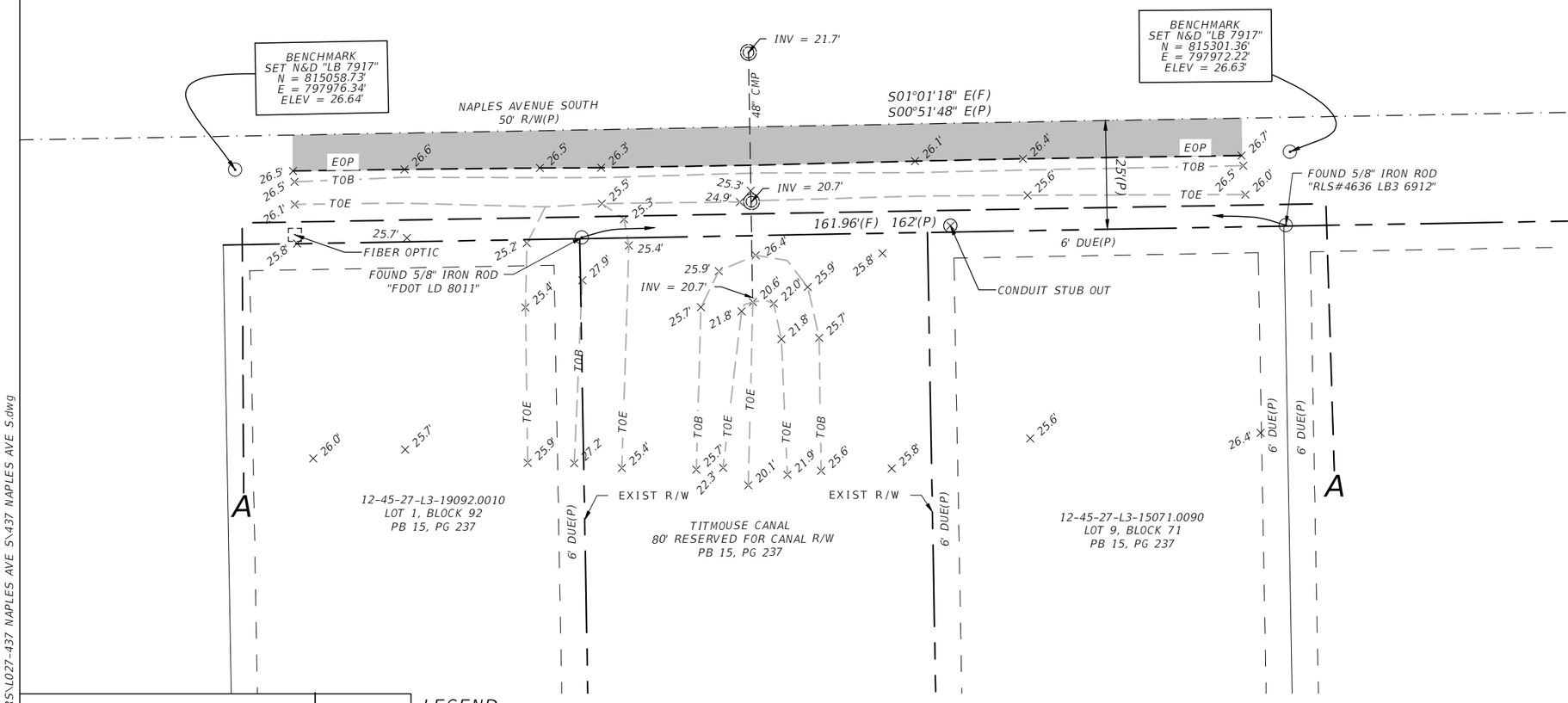
Section 12, Township 45 South, Range 27 East

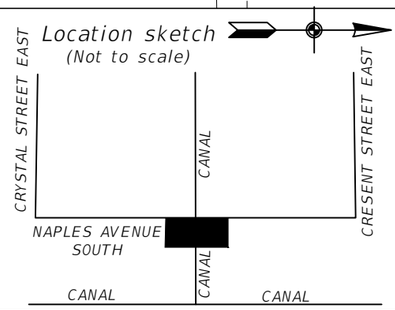
Lehigh Acres, Lee County, Florida

SEE SHEET 02 FOR 1" = 20'
SECTION A-A PROFILE VIEW

N

0 15' 30'
(1" = 30')
Graphic Scale





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

NOTES:

Survey based on the plat of Unit 15 as recorded in Plat Book 15 Page 237, 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 Naples Avenue South between Crystal Street East and Cresent 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: 12/10/2025

TAYLOR J. HENNINGE
License Number
7279
STATE OF FLORIDA
Professional Surveyor and Mapper

Taylor Henninge 2025.12.22 12:04:30-05'00'

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.

Naples Avenue South, Lehigh Acres

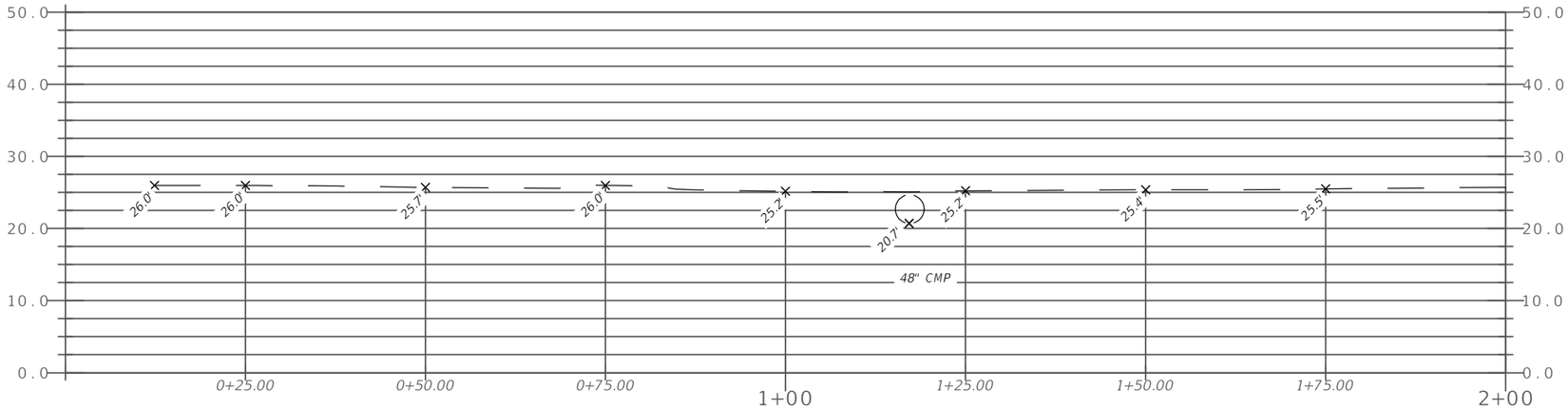
TOPOGRAPHIC SURVEY-PLAN VIEW

McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name: 437 NAPLES AVE S.dwg	Field book/page: 106981-1/27	Project No.: 106980001-L027	
Survey date: 12/10/2025	Drawn by: KB	Checked by: TJH	Sheet No.: 01 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L027-437 NAPLES AVE S\437 NAPLES AVE S.dwg

Topographic Survey of a
Subject Project Site
Section 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

Naples Avenue South, 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.:
437 NAPLES AVE S.dwg	106981-1/27	106980001-L027

Survey date:	Drawn by:	Checked by:	Sheet No.:
12/10/2025	KB	TJH	02 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L027-437 NAPLES AVE S\437 NAPLES AVE S.dwg

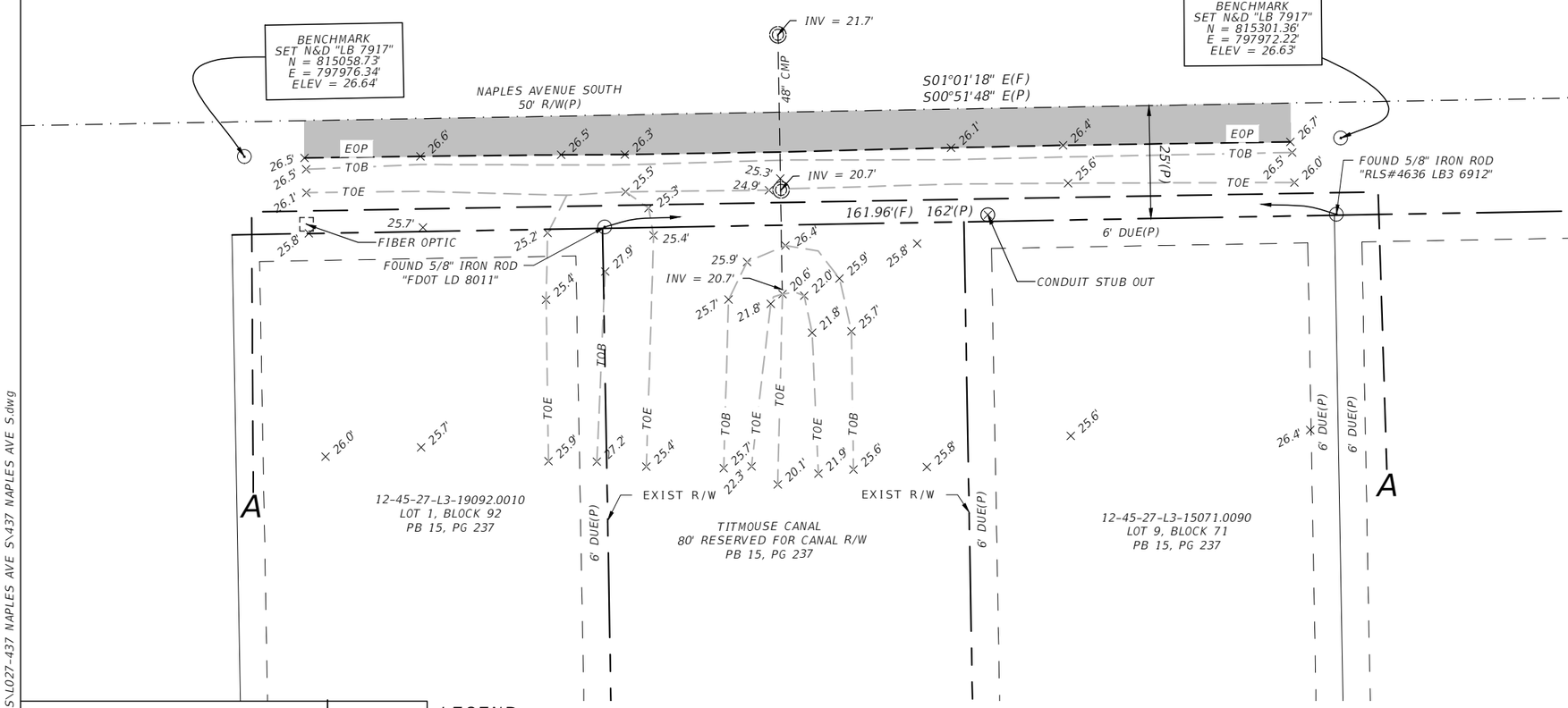
Topographic Survey of a Subject Project Site

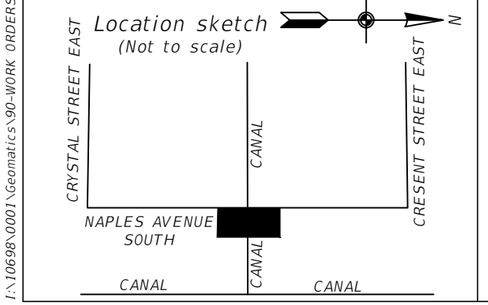
lying within

Section 12, Township 45 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
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

0 15' 30'
(1" = 30')
Graphic Scale

NOTES:

Survey based on the plat of Unit 15 as recorded in Plat Book 15 Page 237, 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 Naples Avenue South between Crystal Street East and Cresent 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: 12/10/2025

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.

Naples Avenue South, Lehigh Acres

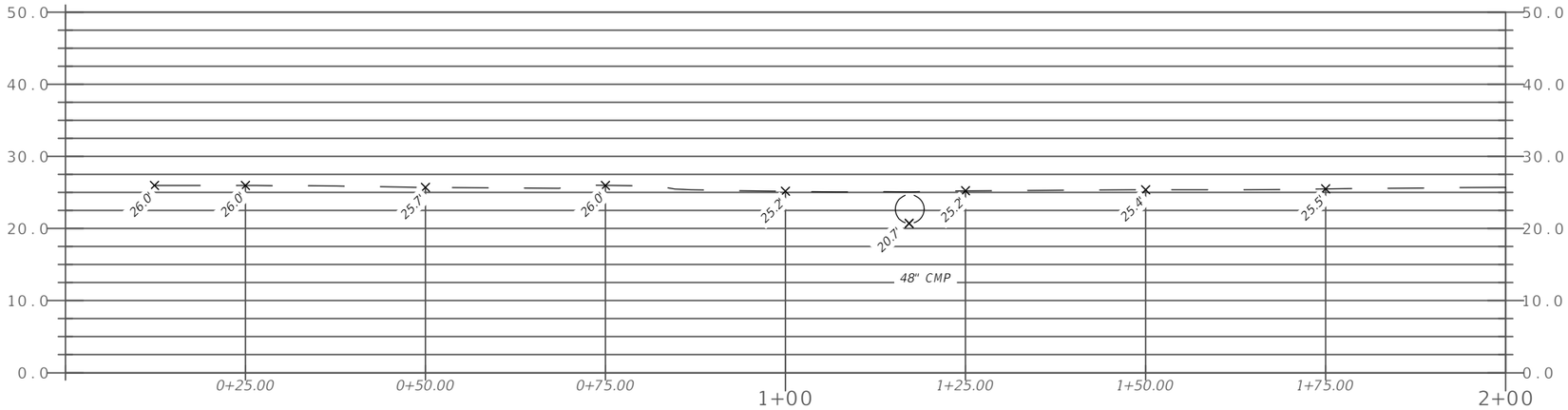
TOPOGRAPHIC SURVEY-PLAN VIEW

McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name: 437 NAPLES AVE S.dwg	Field book/page: 106981-1/27	Project No.: 106980001-L027	
Survey date: 12/10/2025	Drawn by: KB	Checked by: TJH	Sheet No.: 01 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L027-437 NAPLES AVE S\437 NAPLES AVE S.dwg

Topographic Survey of a
Subject Project Site
Section 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

Naples Avenue South, Lehigh Acres

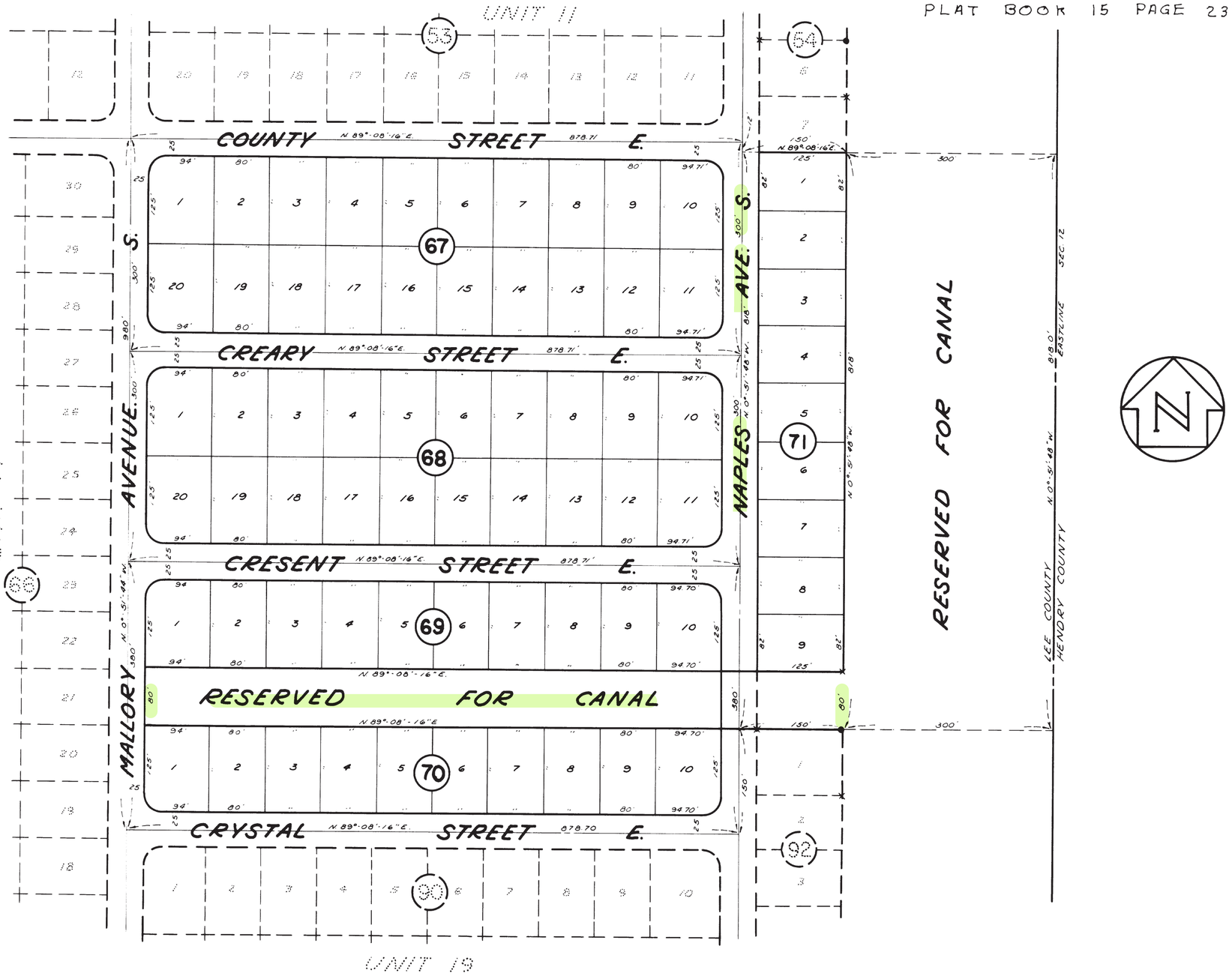
TOPOGRAPHIC SURVEY-PROFILE VIEW

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.:
437 NAPLES AVE S.dwg	106981-1/27	106980001-L027

Survey date:	Drawn by:	Checked by:	Sheet No.:
12/10/2025	KB	TJH	02 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L027-437 NAPLES AVE S\437 NAPLES AVE S.dwg



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

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

PLAT OF UNIT 15
SECTION 12, TWP. 45 S., RGE. 27 E.
A SUBDIVISION OF

LEHIGH ACRES

LEE COUNTY, FLORIDA

100 50 0 100 200

SCALE IN FEET

PLAT BOOK 15 PAGE 222

PLAT OF SECTION 12

A SUBDIVISION OF

LEHIGH ACRES

LEE COUNTY, FLORIDA

LEE COUNTY LAND AND TITLE COMPANY

DEVELOPERS

DESCRIPTION

ALL OF SECTION 12, 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 12, 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 4TH DAY OF June 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 5TH DAY OF June A.D. 1963

Jean Weddle
NOTARY PUBLIC STATE OF FLORIDA AT LARGE
My Commission Expires

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 June A.D. 1963 IN OPEN MEETING OF THE BOARD OF COUNTY COMMISSIONERS OF LEE COUNTY, FLORIDA.

APPROVED Herman J. Hastings
Chairman

D. J. Starkey
Clerk

Frank K. Reeves
County Attorney

County Engineer

I HEREBY CERTIFY THAT THIS PLAT OF SECTION 12, 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 6TH DAY OF June A.D. 1963, AND DULY RECORDED IN PLAT BOOK 15 ON PAGE 222-241 OF PUBLIC RECORDS OF LEE COUNTY, FLORIDA.

D. J. Starkey
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.

F. V. Zemmer
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 #26-38

Recommended Action

Engineering Review:

By: _____5/7/2026 **Approved _X_ Denied __**

District Field Review:

By: _____ Approved ___ Denied ___

District Manager: _____ Date: _____

Comments:

The referenced permit application for a boring under Titmouse Canal (57-12-6) at Naples Ave, in Lehigh Acres, submitted by Lumos, 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 #26-44 & PER #26-45 Lumos Fiber Bores

Meeting Date: 18-May-26

Agenda Item # 2P

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

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

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

Recommended motion: Move to approve PER #26-44 and PER #26-45 Lumos Fiber Bores under LAMSID canals, with any listed stipulations.

What the action accomplishes: Approves two Lumos 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 #26-44=$2,700.00 & PER #26-45=$2,700.00

Staff comments: Approved according to the revised plans for each crossing submitted April 30, 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 18th day of May, 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 Lake Jasmine Outfall (47-32-6), along the north side of W. Jasmine Rd. between Oleander Rd. & Coolidge 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. 26-44

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 #26-44 is approved according to the revised plans submitted April 30th, 2026.

2). The proposed directional bore must maintain a minimum clearance of 10 feet below the bottom elevation of the canal for the entire 40' width of 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 W. Jasmine Road.

PART I

DATE SUBMITTED: 04-10-26

PERMIT #: 26-44

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_015_FDH_08-108 Jasmine Rd W -Lake Jasmine Canal #47-32-6

TOTAL ACREAGE: NA

Property Address (STRAP associated with this address will be used as the primary STRAP for this project): **108 Jasmine Rd W**					
Mailing Address:	NA				
City:	**Lehigh Acres**	**State:**	**FL**	**Zip:**	**33936**

STRAP NUMBERS (attach additional sheet if necessary):

32	-	44	-	27	-	L3	-	20	01	5	-	0	1	2	0				
	-		-		-		-				-								
	-		-		-		-				-								
	-		-		-		-				-								

Brief description of proposed project:

Application for: Lumos proposes to install (2) 1.25" conduit(s) with an 40' UG bore utilizing a 4" bore head to cross the Lake Jasmine Outfall (47-32-6) at Jasmine Rd W within MSID easement boundaries. This application covers the permanent underground installation only.

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

Estimated # of Phases:	1	
***Permit Fee:**	$ 1350.00	**(to be verified by staff)**

RECEIVED
APR 30 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	**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:	**Milenium Directional Drilling, Inc**					
Mailing Address:	**Street:**	**5395 Cogswell Dr**				
City:	**Wayne**	**State:**	**MI**		**Zip:**	**48184**
Phone No.	**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:**	**GA**		**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:	**NA**					
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 April (m), 2026 (y), by William Kiefer who is personally know to me or has produced N/A as identification.

OFFICIAL SEAL
KYLE LEWIS PARKEY
NOTARY PUBLIC - ARIZONA
MARICOPA COUNTY
COMM# 661029
My Comm. Expires December 15, 2029

Kyle Parkey
SIGNATURE OF NOTARY PUBLIC

Kyle Lewis Parkey

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	**The thumb drives only have AutoCAD files of the plans** **Need the survey sheets as well and PDF files of plans and surveys**
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.

PERMIT DEPOSIT TRANSFER FORM

DATE: 5/6/26

CUSTOMER	DR	CR*
Lumos/Gridiron/T-Fiber	0326-0000-220-0001	0326-0000-329-0001

PERMIT#	DESCRIPTION	AMOUNT
26-44	Lumos Bore under Lake Jasmine Outfall (47-37-6) At W. Jasmine Road (Double Permit Fee - Installed Without Permit	Total Fee $2,700.00
	Permit Fee: $750 + $15 x 40' R/W = $750 + 600 = $1350 x 2 Double Fee	Dive Team Deposit
	Total Fee = $2,700.00	
		TOTAL $2,700.00

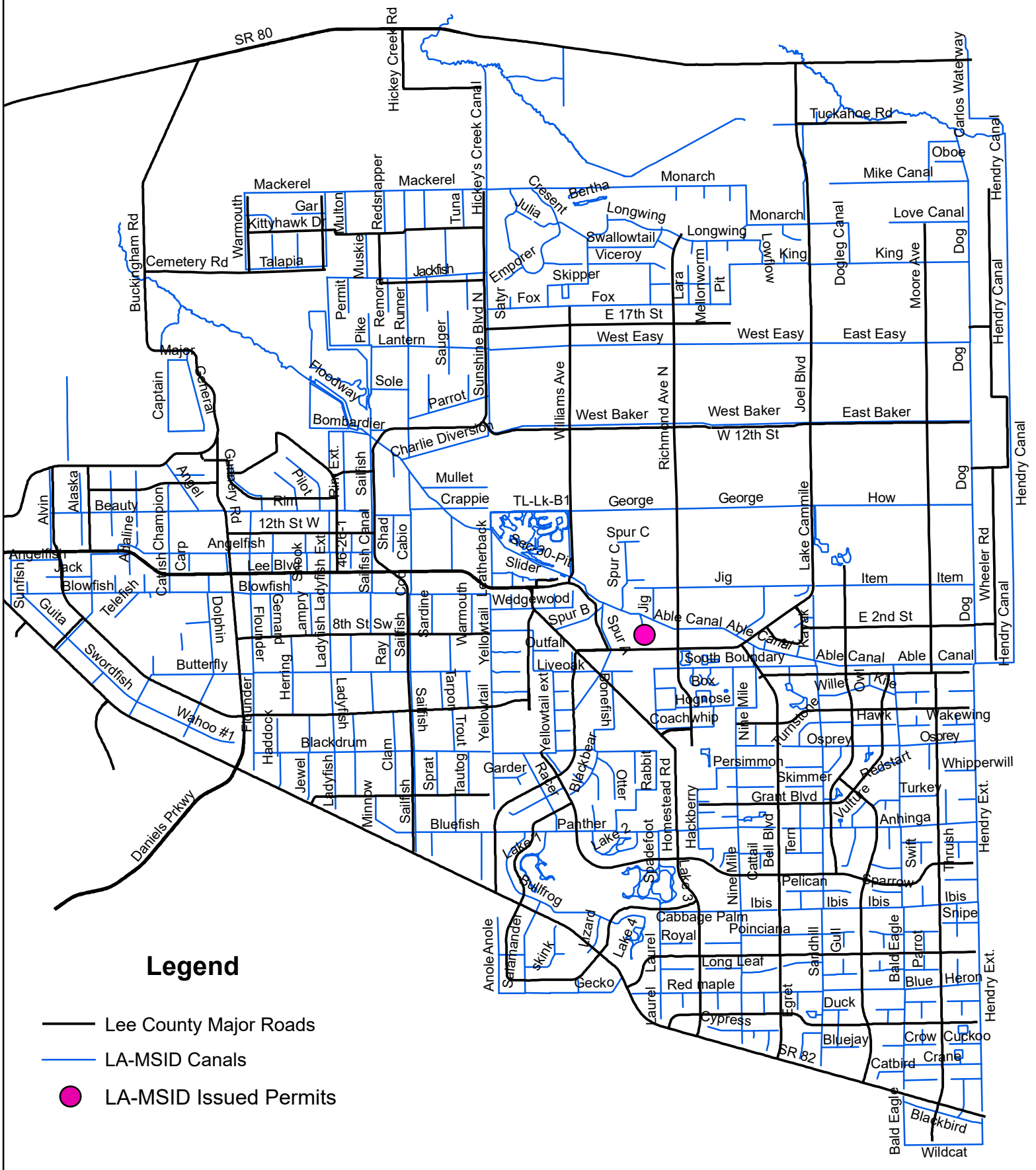
PERMIT REVIEWER SIGNATURE: Michael S. Cook DATE: 5/6/26

ACCOUNTING SIGNATURE: DATE:

INSTRUCTIONS: Permit Reviewer fills out date, permit #'s, amounts, and signs Form is then given to accounting to make a journal entry in order to move the money from the deposit account to the revenue account and signs. **This form will be filed as backup with the journal entry.**

*The CR account will need to be changed based on the customer. See accounting to setup new customer deposit accounts.

Permit # 2026-44



Legend

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

LUMOS NETWORKS
JOB NUMBER: R0LEEFL-15-08
ROUTE NAME: LE1_015_FDH_08

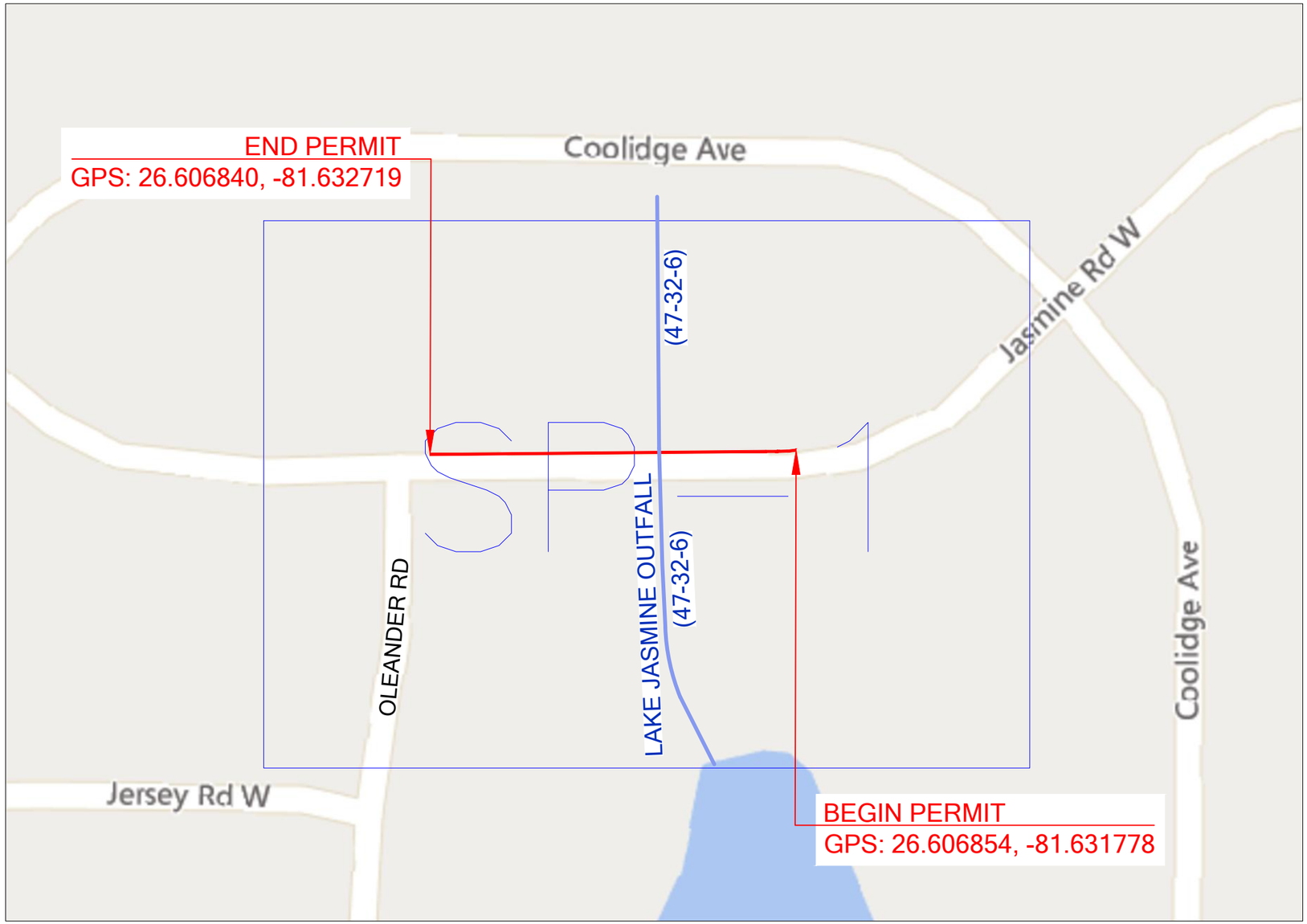
LUMOS PROPOSED FIBER OPTIC NETWORK PLACEMENT

CONSTRUCTION METHOD	FOOTAGE
UNDERGROUND	40′
AERIAL	0'

TOTAL PROPOSED FOOTAGE = 40′

INDEX TO SHEET

SHEET	TITLE
CV-1	LOCATION MAP
GN-1	LEGEND
GN-2	GENERAL NOTES AND CONSTRUCTION NOTE
SP-1	CONSTRUCTION PLANS
SP-A	PROFILE VIEW
SP-B	IMAGES



INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

PREPARED BY:6030 BETHELVIEW RD,SUITE #301
CUMMING, GA 30040.USA

CENTILLION SOLUTIONS

PROJECT INFORMATION	
SITE NAME:	LE1_015_FDH_08
SITE ADDRESS:	108 JASMINE RD W
COUNTY:	LEE
APPROVER:	

SUBMITTAL INFORMATION			
REV	DATE	DESCRIPTION	INIT
0	04/10/2026	PERMIT DRAWING	CENT

CONSTRUCTION NOTES:

N

SHEET TITLE
LOCATION MAP

SHEET NUMBER	DRAWING SHEET
CV-1	1 OF 6

LUMOS:

NAME: JASON BUSH

(CELL)(850) - 428 -1313

UTILITIES:

FL811 (800-432-4770)

CENTILLION:

CRAIG BLACK - PROJECT MANAGER
(CELL)720-597-5320

PERMITS:

LEHIGH ACRES MSID - PERMIT NUMBER / DATE: TBD

LINETYPE LEGEND

EOP	= EX. EDGE OF PAVEMENT
C/L	= EX. CENTER LINE
R/W	= EX. RIGHT OF WAY
ESMT	= EX. EASEMENT
	= EX. PROPERTY LINE
	= EX. BUILDING EDGE
OHF OHF	= EX. OVERHEAD FIBER
BFO BFO	= EX. BURIED FIBER
EX_STRAND	= EX. STRAND
	= EX. FENCE
GR GR	= EX. GUARDRAIL
	= RAILROAD
DB	= DIRECTIONAL BORE
	= WATER BODY
	= CULVERT
OHF OHF	= PROP. OVERHEAD FIBER
BFO BFO	= PROP. BURIED FIBER
	= PROP. CONDUIT
Strand Strand	= PROP. STRAND
	= PROP. MULTIPORT TAIL
SD	= STORM DRAINAGE
SS	= SEWER LINE
W	= WATER LINE
T	= TELCO LINE
TV	= CABLE TV LINE
E	= ELECTRIC LINE
TRAFF	= TRAFFIC LINE
G	= GAS LINE
	= DITCH LINE

SYMBOL LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	PROPOSED ANCHOR & GUY		DUCT COUNT
	FOREIGN/EXISTING ANCHOR & GUY		FIRE HYDRANT
	MGNV		WATER VALVE / METER
	JOINT USE POLE	W	WATER MANHOLE
	POWER POLE	S	SEWER MANHOLE
	COMMUNICATION POLE	SD	STORM MANHOLE
S	STEEL POLE		STORM INLET / CATCH BASIN
	CATV POLE	G	GAS VALVE / METER
	PROPOSED POLE	P	ELECTRIC MANHOLE
R	RISER	P	ELECTRIC HANDHOLE
	PROPOSED STORAGE LOOP		STREET LIGHT
	FIBER SPLICE	ELEC BOX	BURIED TRANSFORMER
	MIDSHEATH SPLICE	TRAF	TRAFFIC HANDHOLE
	TO C.O.		TRAFFIC POLE / SIGNAL
SPLT	SPLITTER HANDHOLE (13"X24"X18")	T	TELCO MANHOLE
SM	SMALL HANDHOLE (17"X30"X24")	TL	TELCO HANDHOLE
MED	MEDIUM HANDHOLE (24"X36"X24")	T	TELCO PEDESTAL
LHH	LARGE HANDHOLE (30"X48"X24")	CV	CABLE TV HANDHOLE
HH	EXISTING HANDHOLE	CV	CABLE TV PEDESTAL
P	PROPOSED PEDESTAL	1X8	PROPOSED 1x8 SPLITTER
P	EXISTING PEDESTAL	1X4	PROPOSED 1x4 SPLITTER
	PROPOSED FP		SIGN
	TREE		BORE PIT

INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

PREPARED BY:6030 BETHELVIEW RD,SUITE #301
CUMMING, GA 30040.USA

PROJECT INFORMATION	
SITE NAME:	LE1_015_FDH_08
SITE ADDRESS:	108 JASMINE RD W
COUNTY:	LEE
APPROVER:	

SUBMITTAL INFORMATION			
REV	DATE	DESCRIPTION	INIT
0	04/10/2026	PERMIT DRAWING	CENT

CONSTRUCTION NOTES:

N

SHEET TITLE
LEGEND

SHEET NUMBER
GN-1

DRAWING SHEET
2 OF 6

AERIAL & U/G NOTES

ALL PROPOSED CONSTRUCTION WILL BE PER FDOT SPECIFICATIONS AS WELL AS ALL NESC SAFETY CODES.

ALL PROPOSED CATV WILL BE WITHIN THE FDOT RIGHT-OF-WAY.

ALL AERIAL CANAL RIGHT-OF-WAY CROSSINGS MUST BE A MINIMUM 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 BURIED A MINIMUM OF 40" 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 PARALLEL 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 FDOT RIGHT-OF-WAY.

ALL WORK PERFORMED WITHIN THE FDOT RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH FDOT 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.

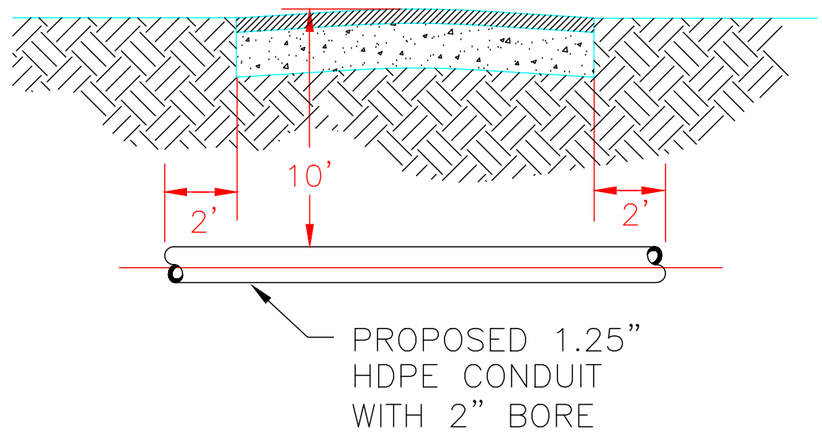
IT WILL BE THE RESPONSIBILITY OF THE PERMITTEE TO REPAIR ANY DAMAGE TO FDOT FACILITIES CAUSED BY THE CONSTRUCTION OF THE PROJECT.

ALL CONCRETE SHALL BE 3,000 PSI. APPROVED FDOT MIX DESIGN.

UTILITIES CONTACT

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT
MICHAEL COOK
(239) 366-0044 Ext. 16
MCOOK@LA-MSID.COM
STORM WATER/CANALS

LUMOS
JASON BUSH
CONSTRUCTION MANAGER
941-812-2913
JASON.BUSH@LUMOSFIBER.COM



TYPICAL DRIVEWAY DIRECTIONAL BORE

N.T.S.

MOT NOTES

TRAFFIC CONTROL SHALL COMPLY WITH FEDERAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND F.D.O.T. DESIGN STANDARD #NO. 600.

lumos™
INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

PREPARED BY:6030 BETHELVIEW RD,SUITE #301
CUMMING, GA 30040.USA
CENTILLION SOLUTIONS

PROJECT INFORMATION	
SITE NAME:	LE1_015_FDH_08
SITE ADDRESS:	108 JASMINE RD W
COUNTY:	LEE
APPROVER:	

SUBMITTAL INFORMATION			
REV	DATE	DESCRIPTION	INIT
0	04/10/2026	PERMIT DRAWING	CENT

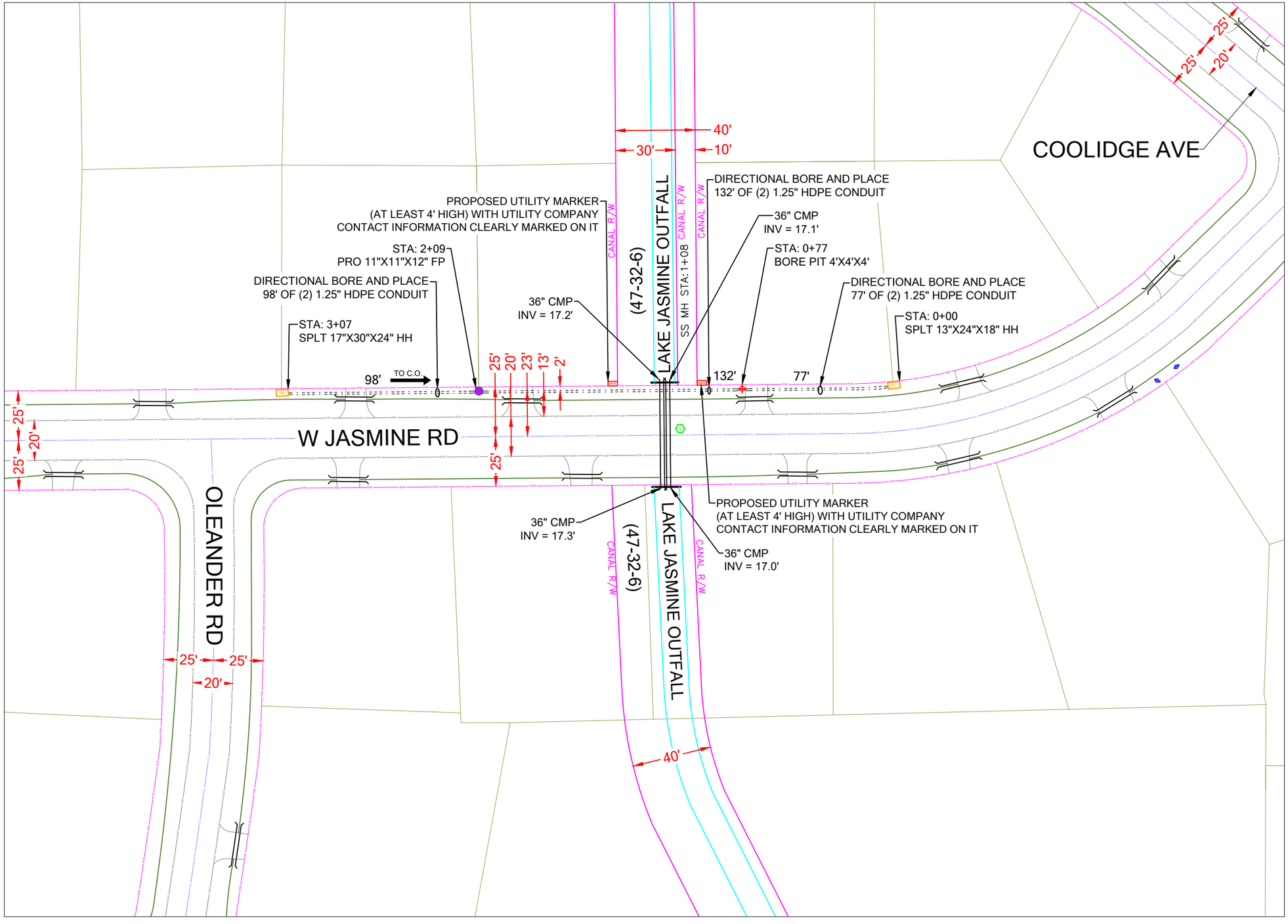
CONSTRUCTION NOTES:

N

SHEET TITLE: GENERAL NOTES

SHEET NUMBER: GN-2

DRAWING SHEET: 3 OF 6

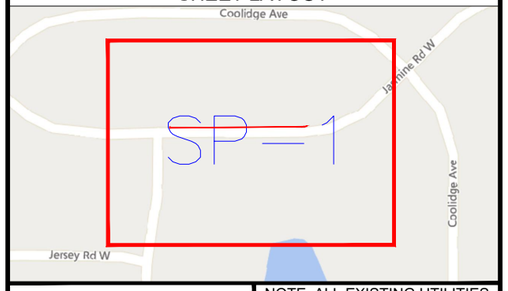


CONSTRUCTION NOTES

(2) 1.25" CONDUIT WITH 4" BORE.

BORE MUST BE 10' BELOW THE LOWEST PIPE INVERT OR THE CANAL BOTTOM, WHICHEVER IS LOWEST, FOR THE ENTIRE 40' 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.

SHEET LAYOUT



NOTE: LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION.

NOTE: ALL EXISTING UTILITIES PLACED ON PRINTS FOR REFERENCE ONLY. (NOT TO SCALE)

Sunshine 811

lumos™
INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

6030 BETHELVIEW RD, SUITE #301
PREPARED BY: CUMMING, GA 30040. USA
CENTILLION SOLUTIONS

PROJECT INFORMATION	
SITE NAME:	LE1_015_FDH_08
SITE ADDRESS:	108 JASMINE RD W
COUNTY:	LEE
APPROVER:	

0' 25' 50'
SCALE: 1"=50'

SUBMITTAL INFORMATION			
REV	DATE	DESCRIPTION	INIT
0	04/10/2026	PERMIT DRAWING	CENT

CONSTRUCTION NOTES:

BORE ALL BURIED ROUTES
. MIN DEPTH OF 36"
. ALL CABLE PLACED IN 1.25" HDPE 2' OFF ROW UNLESS SPECIFIED
. SIDEWALKS TO BE REPLACED JOINT TO JOINT
. PLACED AT BACK OF ROW

SHEET TITLE
CONSTRUCTION PLANS

SHEET NUMBER
SP-1

DRAWING SHEET
4 OF 6

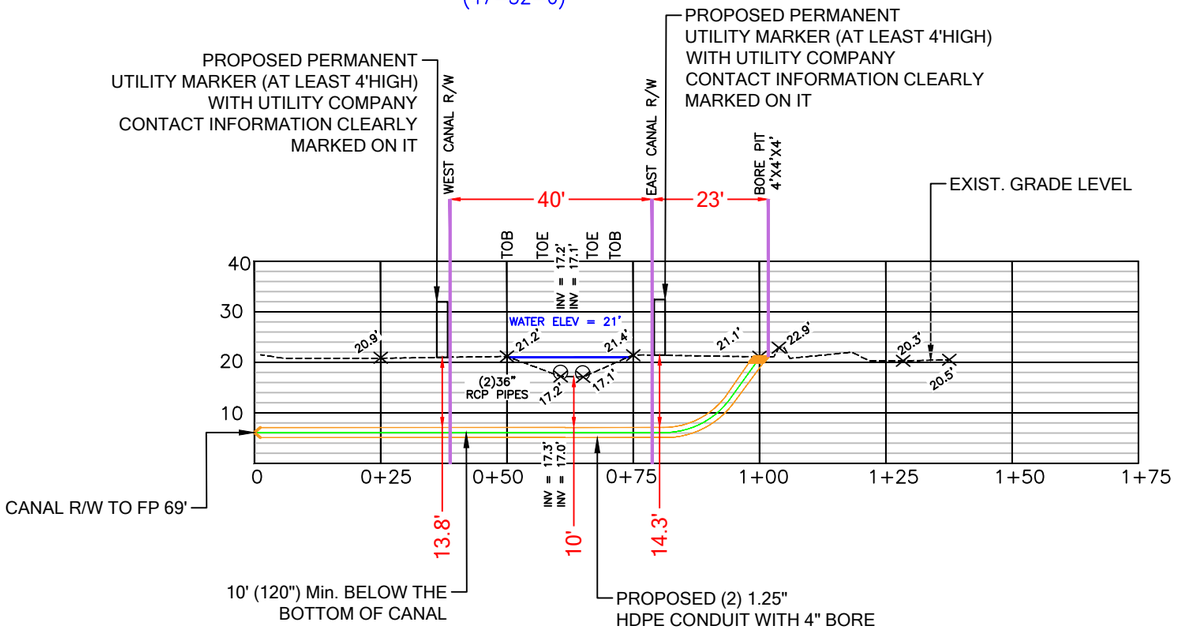
U/G CANAL CROSS PROFILE VIEW

1" = 30' HORIZONTAL

1" = 30' VERTICAL

LAKE JASMINE OUTFALL

(47-32-6)



CONSTRUCTION NOTES

(2) 1.25" CONDUIT WITH 4" BORE.

BORE MUST BE 10' BELOW THE LOWEST PIPE INVERT OR THE CANAL BOTTOM, WHICHEVER IS LOWEST, FOR THE ENTIRE 40' 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.

SHEET LAYOUT



NOTE: LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION.

NOTE: ALL EXISTING UTILITIES PLACED ON PRINTS FOR REFERENCE ONLY. (NOT TO SCALE)

Sunshine811

lumos™
INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

PREPARED BY: 6030 BETHELVIEW RD, SUITE #301 CUMMING, GA 30040. USA
CENTILLION SOLUTIONS

PROJECT INFORMATION	
SITE NAME:	LE1_015_FDH_08
SITE ADDRESS:	108 JASMINE RD W
COUNTY:	LEE
APPROVER:	

0' 15' 30'
SCALE: 1"=30'

SUBMITTAL INFORMATION			
REV	DATE	DESCRIPTION	INIT
0	04/10/2026	PERMIT DRAWING	CENT

CONSTRUCTION NOTES:

BORE ALL BURIED ROUTES
. MIN DEPTH OF 36"
. ALL CABLE PLACED IN 1.25" HDPE 2' OFF ROW UNLESS SPECIFIED
. SIDEWALKS TO BE REPLACED JOINT TO JOINT
. PLACED AT BACK OF ROW

SHEET TITLE

CONSTRUCTION PLANS

SHEET NUMBER

SP-1A

DRAWING SHEET

5 OF 6



BORE CROSSING
LAKE JASMINE OUTFALL
(47-32-6)

lumos™

INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

6030 BETHELVIEW RD, SUITE #301
PREPARED BY: CUMMING, GA 30040. USA

CENTILLION SOLUTIONS

PROJECT INFORMATION	
SITE NAME:	LE1_015_FDH_08
SITE ADDRESS:	108 JASMINE RD W
COUNTY:	LEE
APPROVER:	

SUBMITTAL INFORMATION			
REV	DATE	DESCRIPTION	INIT
0	04/10/2026	PERMIT DRAWING	CENT

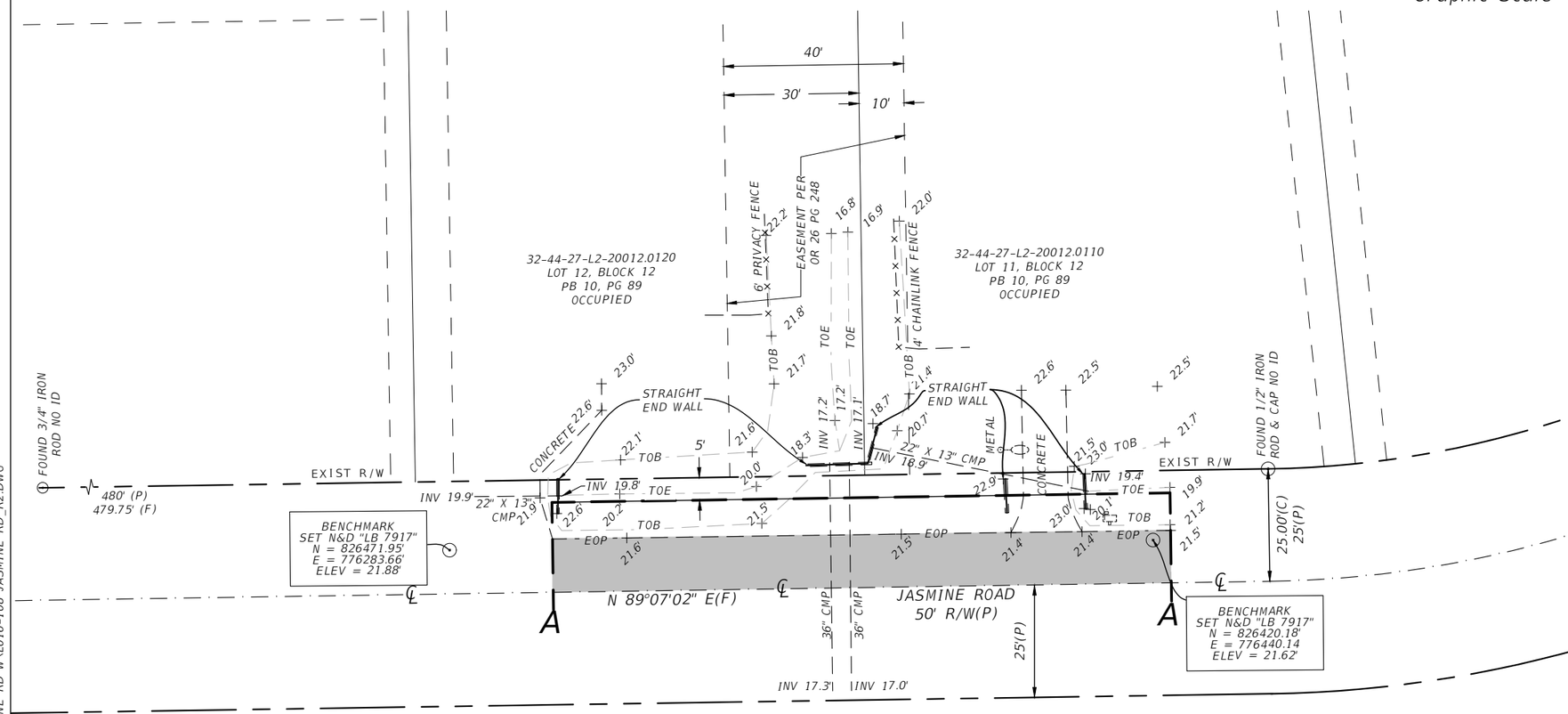
CONSTRUCTION NOTES:

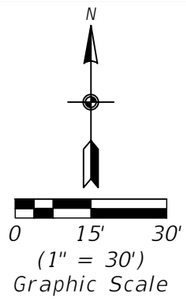
SHEET TITLE
IMAGE

SHEET NUMBER
SP-1B

DRAWING SHEET
6 OF 6

SEE SHEET 02 FOR 1" = 20'
SECTION A-A PROFILE VIEW





Topographic Survey of a Subject Project Site

lying within

Section 32, Township 44 South, Range 27 East
Lehigh Acres, Lee County, Florida

NOTES:

Survey based on the plat of Lehigh Acres as recorded in Plat Book 10 Page 87, 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 North of West Jasmine Road between Oleander Road and Coolidge 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: 12/08/2025

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.

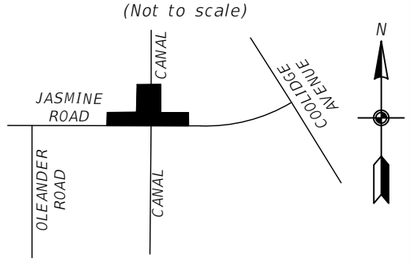
This survey is only for the lands as described. It is not a certificate of title, zoning, easements or freedom of encumbrances.

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.

Jasmine Road West, Lehigh Acres

Location sketch
(Not to scale)



LEGEND:

(P)	= PER PLAT	(C)	= CALCULATED
(F)	= FIELD	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
⊡	= WIRE PULL BOX
	= SINGLE SUPPORT SIGN
	= GUY ANCHOR
	= BACK FLOW PREVENTOR
	= VALVE COVER WATER
	= VALVE
	= WATER METER
	= MAILBOX
	= LIGHT POLE

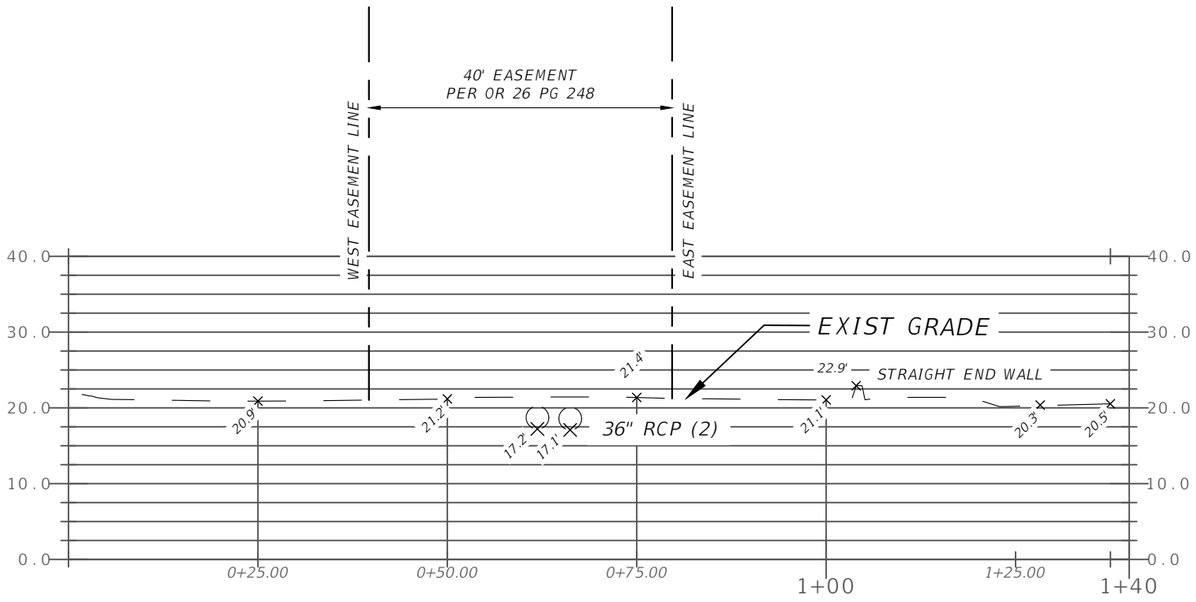
TOPOGRAPHIC SURVEY-PLAN VIEW

McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name: L016-108 JASMINE RD_R2.DWG	Field book/page: 10698-1/20	Project No.: 106980001-L016	
Survey date: 12/08/2025	Drawn by: JRB	Checked by: TJH	Sheet No.: 01 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L016-108 JASMINE RD W\L016-108 JASMINE RD_R2.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

Jasmine Road West, Lehigh Acres

TOPOGRAPHIC SURVEY-PROFILE VIEW

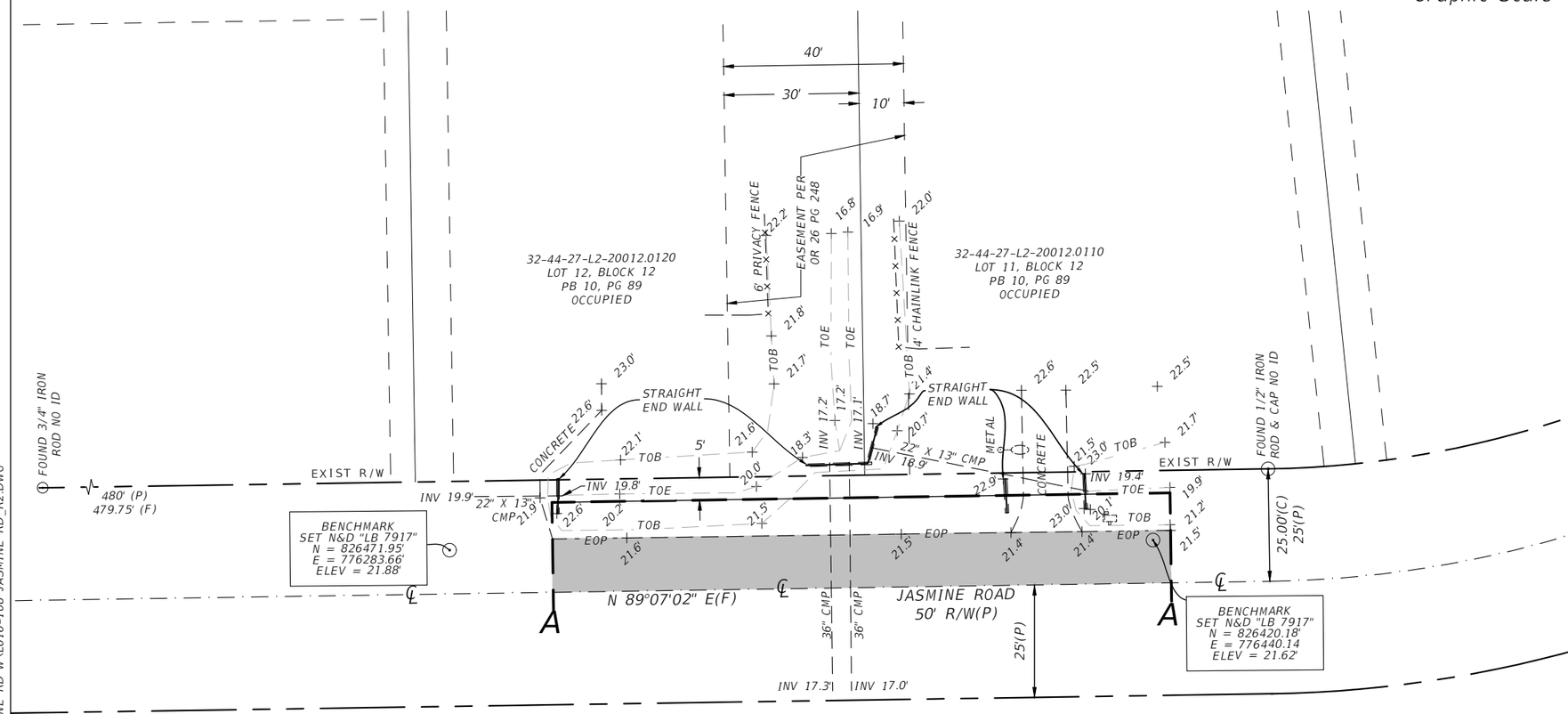
McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

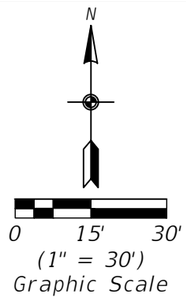
File name:	Field book/page:	Project No.:
L016-108 JASMINE RD_R2.DWG	10698-1/20	106980001-L016

Survey date:	Drawn by:	Checked by:	Sheet No.:
12/08/2025	JRB	BWL	02 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L016-108 JASMINE RD W\L016-108 JASMINE RD_R2.DWG

SEE SHEET 02 FOR 1" = 20'
SECTION A-A PROFILE VIEW





Topographic Survey of a Subject Project Site

lying within

Section 32, Township 44 South, Range 27 East
Lehigh Acres, Lee County, Florida

NOTES:

Survey based on the plat of Lehigh Acres as recorded in Plat Book 10 Page 87, 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 North of West Jasmine Road between Oleander Road and Coolidge 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: 12/08/2025

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.

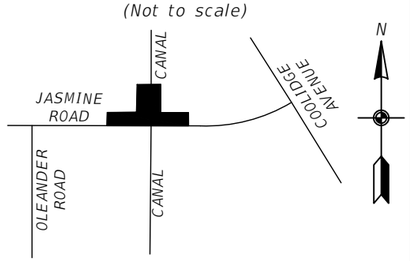
This survey is only for the lands as described. It is not a certificate of title, zoning, easements or freedom of encumbrances.

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.

Jasmine Road West, Lehigh Acres

Location sketch
(Not to scale)



LEGEND:

(P)	= PER PLAT	(C)	= CALCULATED
(F)	= FIELD	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
⊡	= WIRE PULL BOX
	= SINGLE SUPPORT SIGN
	= GUY ANCHOR
	= BACK FLOW PREVENTOR
	= VALVE COVER WATER
	= VALVE
	= WATER METER
	= MAILBOX
	= LIGHT POLE

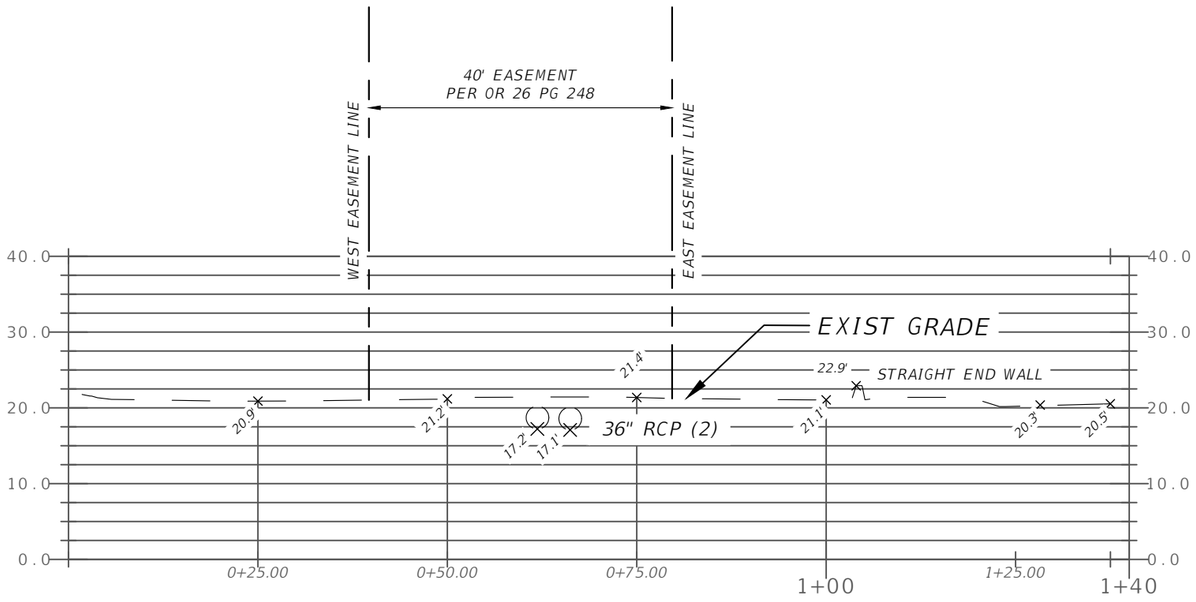
TOPOGRAPHIC SURVEY-PLAN VIEW

McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name: L016-108 JASMINE RD_R2.DWG	Field book/page: 10698-1/20	Project No.: 106980001-L016	
Survey date: 12/08/2025	Drawn by: JRB	Checked by: TJH	Sheet No.: 01 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L016-108 JASMINE RD W\L016-108 JASMINE RD_R2.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

Jasmine Road West, Lehigh Acres

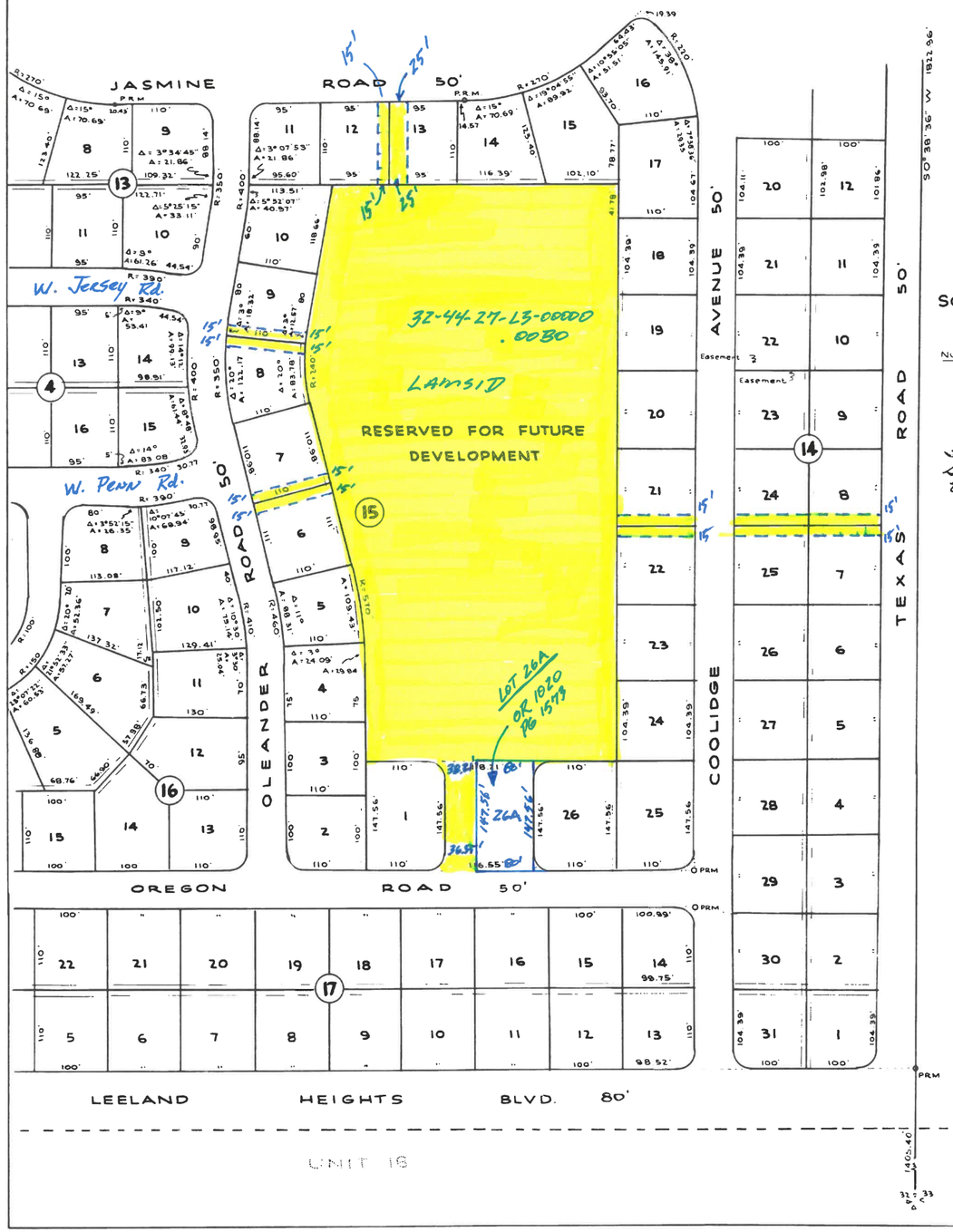
TOPOGRAPHIC SURVEY-PROFILE VIEW

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.:
L016-108 JASMINE RD_R2.DWG	10698-1/20	106980001-L016

Survey date:	Drawn by:	Checked by:	Sheet No.:
12/08/2025	JRB	BWL	02 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L016-108 JASMINE RD W\L016-108 JASMINE RD_R2.DWG



UNIT 20

SECTION 32

TWP 44S - RGE 27E

A Subdivision of

LEHIGH ACRES

LEE COUNTY, FLORIDA

LEE COUNTY LAND & TITLE CO., DEVELOPERS

SCALE 0 100 200 300

FEBRUARY 15, 1957

NOTES:

ALL LOTS SUBJECT TO A 7.0' DRAINAGE AND UTILITY EASEMENT ON EACH SIDE EXCEPT AS NOTED.

UNLESS OTHERWISE STATED, ALL INTERSECTIONS WILL HAVE A 25' RADIUS, BUT LOT DISTANCES ARE GIVEN TO THE STRAIGHT LINE INTERSECTIONS EXCEPT WHERE ARC DISTANCES ARE SHOWN.

For Boundary Bearing Adjustment & Sec 32-47-27
See Misl Book 48 Pg 461 Dated 1-21-58
Entered 2/26/58
D.J. Faraher Clerk
By Frank Vasiloff D.C.

Certificate of Survey

I HEREBY CERTIFY THAT THIS PLAT IS A REPRESENTATION OF A RECENT SURVEY MADE AND PLATTED UNDER MY DIRECTION, AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF

William L. Humphreys
FLORIDA REG'D LAND SURVEYOR No. 1092

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 UNIT 20, LEHIGH ACRES to be made and do hereby dedicate to the perpetual use of the public all streets, roads, drives and/or lanes shown hereon.

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 its Board of Directors have executed these presents for and on behalf of said corporation and caused its corporate seal to be affixed on this 3RD day of April A.D. 1957.

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 and they acknowledged before me that they executed the same freely and voluntarily 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 25TH day of MAY A.D. 1957.

Joseph G. Ryan
Notary Public, State of Florida at Large

My Commission Expires 10/23/59

APPROVALS

This plat approved this 8th day of May A.D. 1957 in open meeting of the Board of County Commissioners of Lee County, Florida.

Approved: Wilbur Pratt, Chairman D.J. Faraher, Clerk

I HEREBY CERTIFY that this plat of UNIT 20, 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 ____ day of ____ A.D. 1957, and duly recorded in Plat Book 10 on pages 86 of Public Records of Lee County, Florida.

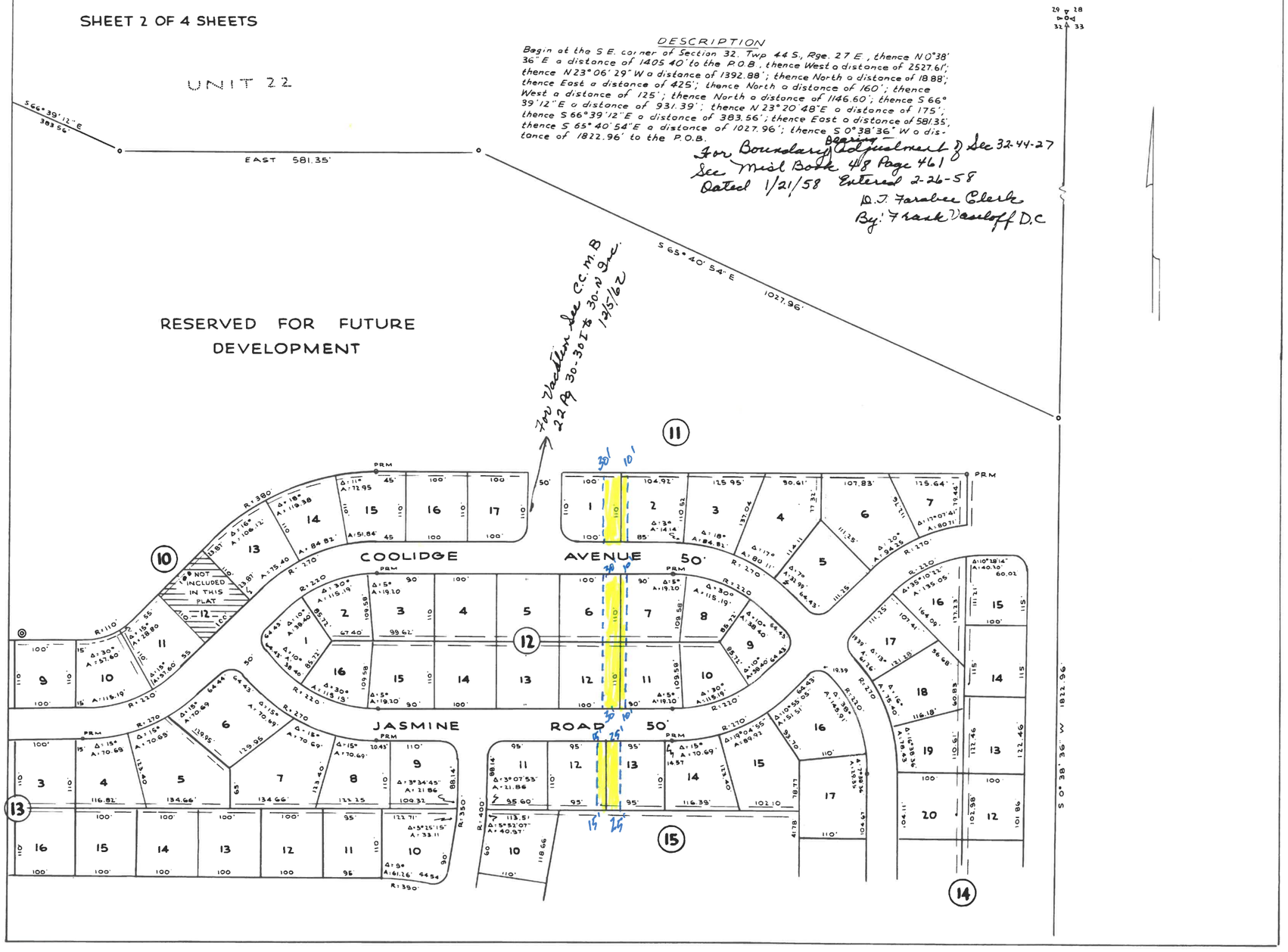
87
88 1957
89

D.J. Faraher
Clerk of the Circuit Court in and for Lee County

UNIT 20

LEHIGH ACRES

SHEET 2 OF 4 SHEETS



DESCRIPTION

Begin at the S.E. corner of Section 32, Twp 44 S., Rge. 27 E., thence N 0°38' 36" E a distance of 1405.40' to the P.O.B., thence West a distance of 2527.61'; thence N 23° 06' 29" W a distance of 1392.88'; thence North a distance of 18.88'; thence East a distance of 425'; thence North a distance of 160'; thence West a distance of 125'; thence North a distance of 1146.60'; thence S 66° 39' 12" E a distance of 931.39'; thence N 23° 20' 48" E a distance of 175'; thence S 66° 39' 12" E a distance of 383.56'; thence East a distance of 581.35'; thence S 65° 40' 54" E a distance of 1027.96'; thence S 0° 38' 36" W a distance of 1822.96' to the P.O.B.

For Boundary Bearing Adjustment of Sec 32-44-27
See Misl Book 48 Page 461
Dated 1/21/58 Entered 2-26-58
D.J. Farabee Clerk
By: Frank Vaseloff D.C

SHEET 4 OF 4 SHEETS

UNIT 20
LEHIGH ACRES

WYOMING ROAD 50'

COOLIDGE AVENUE 50'

JERSEY ROAD 50'

PENN ROAD 50'

BOUGAINVILLEA ROAD 50'

LEELAND HEIGHTS BLVD. 80'

CONNECTICUT ROAD 60'

OREGON ROAD 50'

LOIS WAY 50'

10 RESERVED FOR FUTURE DEVELOPMENT

Water Plant

NOT INCLUDED IN THIS PLAT

Jasmine Rd.

UNIT 4

UNIT 7

PLAT BOOK 10, PAGE 89

PLAT BOOK 13 PAGE 37

ADDITION TO UNIT 20

SECTION 32
TWP. 44 S - RGE. 27 E
A SUBDIVISION OF

LEHIGH ACRES

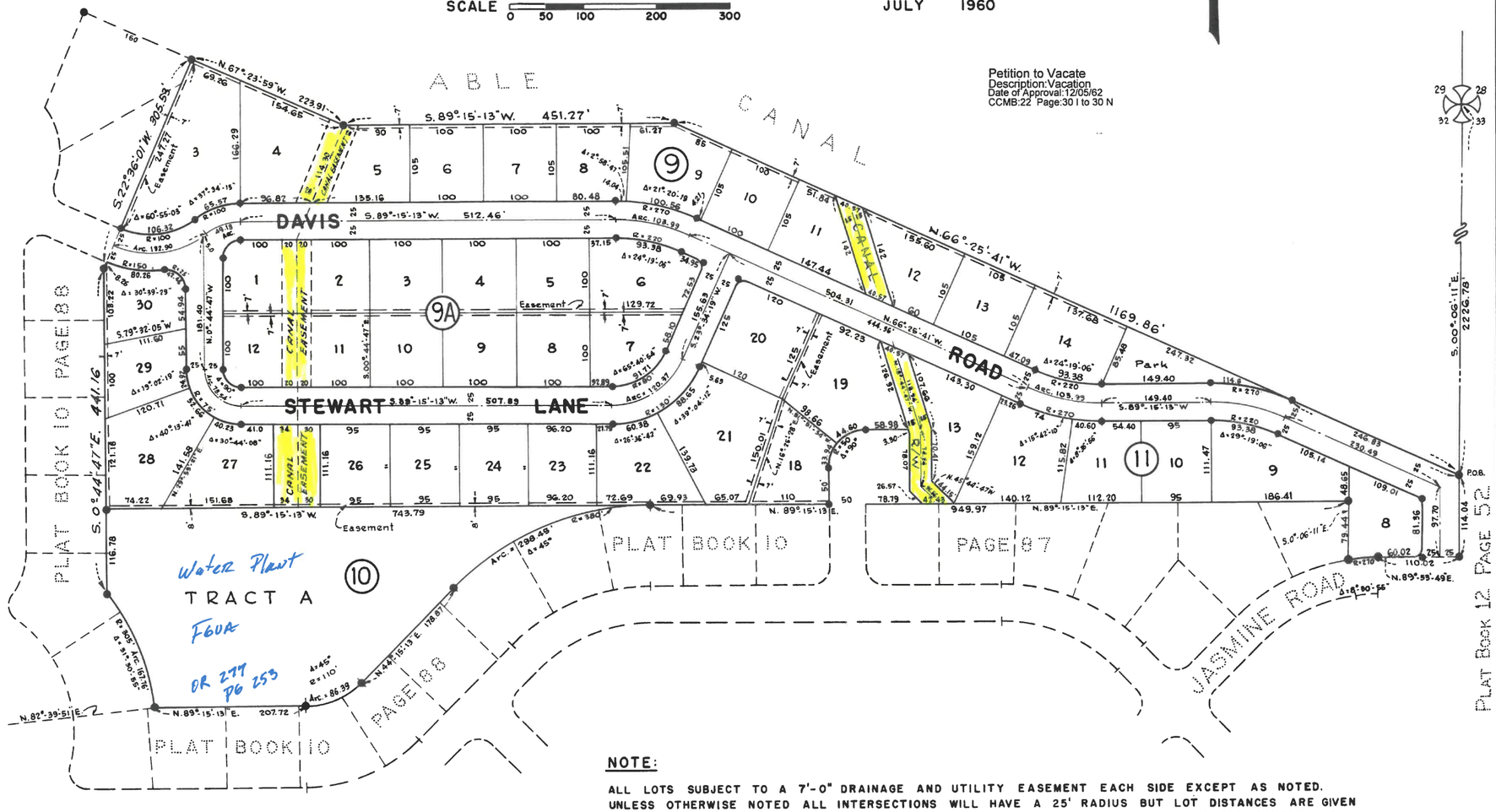
LEE COUNTY, FLORIDA
LEE COUNTY LAND AND TITLE COMPANY
DEVELOPERS

SCALE 0 50 100 200 300

JULY 1960

N

Petition to Vacate
Description:Vacation
Date of Approval:12/05/62
CCMB:22 Page:30 I to 30 N



NOTE:

ALL LOTS SUBJECT TO A 7'-0" DRAINAGE AND UTILITY EASEMENT EACH SIDE EXCEPT AS NOTED. UNLESS OTHERWISE NOTED ALL INTERSECTIONS WILL HAVE A 25' RADIUS BUT LOT DISTANCES ARE GIVEN TO THE STRAIGHT LINE INTERSECTIONS EXCEPT WHERE ARC DISTANCES ARE SHOWN. ALL CANALS ARE DEDICATED TO THE EAST COUNTY WATER CONTROL DISTRICT.

● DENOTES P.R.M.s

SHEET 2 OF 2

BK: 28 PAGE 248

246363

THIS INDENTURE, Made this 31st day of September, 1960, between LEE COUNTY LAND AND TITLE COMPANY, a Florida corporation, as party of the first part, and BOARD OF SUPERVISORS OF LEE COUNTY WATER CONTROL DISTRICT, a drainage district under the laws of the State of Florida, as party of the second part,

WITNESSETH, That the party of the first part, for and in consideration of the sum of One Dollar ($1.00) and other valuable considerations paid, receipt of which is hereby acknowledged, does hereby grant, remise, release, quit-claim and convey unto the party of the second part, its successors and assigns forever the following described land, situate, lying and being in the County of Lee, State of Florida, to-wit:

PB 10 PG 89 — The East 15 feet of Lot 10, Block 3; The West 15 feet of Lot 9, Block 3 — 30'
The West 15 feet of Lot 10, Block 3; The West 15 feet of Lot 17, Block 3 — 30'
PB 10 PG 89 — The East 25 feet of Lot 8, Block 4; The West 5 feet of Lot 9, Block 4 — 30'
PB 10 PG 89 — The West 5 feet of Lot 20, Block 4; The East 25 feet of Lot 21, Block 4 — 30'
PB 10 PG 89 — The East 10 feet of Lot 9, Block 10; The West 20 feet of Lot 10, Block 10 — 30'
PB 10 PG 89 — The East 10 feet of Lot 3, Block 13; The West 20 feet of Lot 4, Block 13 — 30'
PB 10 PG 89 — The West 20 feet of Lot 15, Block 13; The East 10 feet of Lot 16, Block 13 — 30'

Lois Way Outfall

30' wide Drainage Ditch Thru Water Plant Site To ABLE CANAL

PB 10 PG 87 — The East 30 feet of Lot 1, Block 11 — N. Side Coolidge Ave; The West 10 feet of Lot 2, Block 11 — N. Side Coolidge Ave — 40'
PB 10 PG 87 — The East 30 feet of Lot 6, Block 12 — S. Side Coolidge Ave; The West 10 feet of Lot 7, Block 12 — S. Side Coolidge Ave — 40'
PB 10 PG 87 — The West 10 feet of Lot 11, Block 12 — N. Side W. Jasmine Rd; The East 30 feet of Lot 12, Block 12 — N. Side W. Jasmine Rd — 40'
PB 10 PG 86 — The East 15 feet of Lot 12, Block 15 — S. Side W. Jasmine Rd; The West 25 feet of Lot 13, Block 15 — S. Side W. Jasmine Rd. — 40' Total

Jasmine Outfall (47-32-6)

PB 10 PG 86 — A strip of land 15 feet wide along the entire length of the North boundary of Lot 6, Block 15, said strip of land having for its Northerly boundary the Northerly boundary of Lot 6, Block 15.
A strip of land lying along the entire length of the Southerly boundary of Lot 7, Block 15, said strip of land being 15 feet wide and having for its Southerly boundary, the Southerly boundary of Lot 7, Block 15. — 30'

Inlet Ditch West Side Central Lake Jasmine

PB 10 PG 86 — A strip of land 15 feet wide lying along the entire Northerly boundary of Lot 8, Block 15, said strip of land having for its Northerly boundary the Northerly boundary of Lot 8, Block 15.
A strip of land 15 feet wide lying along the entire length of the Southerly boundary of Lot 9, Block 15, said having for its Southerly boundary the Southerly boundary of Lot 9, Block 15. — 30'

Inlet Ditch NW Side Lake Jasmine

OFF. REC. 26 PAGE 249

PB 10 PG 86 — The South 15 feet of Lot 21, Block 15 } 30'
The North 15 feet of Lot 22, Block 15 }

PB 10 PG 86 — The North 15 feet of Lot 7, Block 14 } 30'
The South 15 feet of Lot 8, Block 14 }

PB 10 PG 86 — The South 15 feet of Lot 24, Block 14 } 30'
The North 15 feet of Lot 25, Block 14 }

Texar Road Drainage Ditch to Lake Jasmine

All situated, lying and being in Unit 20, Section 32, Township 44 South, Range 27 East, according to a plat thereof which is recorded in Plat Book 10, pages 86 through 89, public records of Lee County, Florida.

This deed is made for the purpose of giving and granting to the party of the second part, its successors, legal representatives and assigns, a right of way and easement in and to said land to make or cause to be made or constructed thereon, such canals, sluice-ways, dikes, roads and other works as may in the judgment of said party of the second part, or its successors, be necessary and needful for the drainage or reclamation of any of the lands in the East County Water Control District; or for ingress and egress thereto; and is made, executed and delivered with the express understanding and condition that should the same ever be discontinued or abandoned for such purpose the title to the same shall thereupon revert to and revest in the party of the first part, its successors and assigns.

TO HAVE AND TO HOLD THE SAME, together with all and singular the appurtenances thereto belonging or in anywise incident or appertaining, and all the estate, right, title, interest and claim whatsoever of the party of the first part, in law or in equity, to the only proper use, benefit and behoof of the said party of the second part, its successors and assigns.

IN WITNESS WHEREOF, the said party of the first part has caused these presents to be signed in its name by its proper officers, and its corporate seal to be affixed, attested by its Secretary, the day and year above written.

Signed, sealed and delivered in the presence of:

James Shapiro

Gladys S Lack

LEE COUNTY LAND AND TITLE COMPANY

By _____ (SEAL) President

Attest _____ (SEAL) Secretary

STATE OF FLORIDA }
COUNTY OF DADE }

I HEREBY CERTIFY, that on this day in the next above named State and County, before me, an officer duly authorized and acting personally appeared GERALD H. GOULD and EDWARD SHAPIRO, President and Secretary respectively of LEE COUNTY LAND AND TITLE COMPANY, to me well known and known to me to be the individuals described in and who executed the foregoing right of way deed, and they acknowledged then and there before me that they executed said right of way deed.

WITNESS my hand and official seal this 8th day of September, 1960.

Notary Public, State of Florida

My Commission Expires June 12, 1964

FILED FOR RECORD
This 14th Day of Sept. 1960 Record in O.R.
Book 26 Page 248 and Record Verified.
D. T. FARABEE Clerk Circuit Court
By D.T. Farabee Deputy Clerk

PART IV #26-44

Recommended Action

Engineering Review:

By: _____5/7/2026 **Approved _X_ Denied __**

District Field Review:

By: _____ Approved ___ Denied ___

District Manager: _____ Date: _____

Comments:

The referenced permit application for a boring under Lake Jasmine Canal (47-32-6) at W Jasmine Road, in Lehigh Acres, submitted by Lumos, 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
PERMIT

THIS PERMIT is granted this 18th day of May, 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 Lake Jasmine Outfall (47-32-6), along the north side of Coolidge Ave. between Jasmine Rd. W. & Texas Rd., 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. 26-45

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 #26-45 is approved according to the revised plans submitted April 30th, 2026.

2). The proposed directional bore must maintain a minimum clearance of 10 feet below the bottom elevation of the canal for the entire 40' width of 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 Coolidge Ave.

PART I

DATE SUBMITTED: 04 - 30 - 26

PERMIT #: 26 - 45

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_015_FDH_08-136 Coolidge Ave-Lake Jasmine Outfall#47-32-6

TOTAL ACREAGE: NA

Property Address (STRAP associated with this address will be used as the primary STRAP for this project): **136 Coolidge Ave**					
Mailing Address:	**NA**				
City:	**Lehigh Acres**	**State:**	**FL**	**Zip:**	**33936**

STRAP NUMBERS (attach additional sheet if necessary):

3	2	-	4	4	-	2	7	-	L	2	-	2	0	0	1	2	-	0	0	7	0

Brief description of proposed project:

Application for: Lumos proposes to install (2) 1.25" conduit(s) with an 40' UG bore utilizing a 4" bore head to cross the Lake Jasmine Outfall (47-32-6) at Coolidge Ave within MSID easement boundaries. This application covers the permanent underground installation only.

RECEIVED
APR 30 2026
LEHIGH ACRES
MUNICIPAL SERVICES
IMPROVEMENT DISTRICT

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

Estimated # of Phases:	1	
***Permit Fee:**	$ 1,350.00	**(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 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:	**Milenium Directional Drilling, Inc**						
Mailing Address:	**Street:**	**5395 Cogswell Dr**					
City:	**Wayne**	**State:**	**MI**		**Zip:**	**48184**	
Phone No.	**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:**	**GA**		**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:	**NA**						
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 April (m), 2026 (y), by William Kiefer who is personally know to me or has produced N/A as identification.

OFFICIAL SEAL
KYLE LEWIS PARKEY
NOTARY PUBLIC - ARIZONA
MARICOPA COUNTY
COMM# 691029
My Comm. Expires December 15, 2029

Kyle Parkey
SIGNATURE OF NOTARY PUBLIC

Kyle Lewis Parkey

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	**The thumb drives only have AutoCAD files of the plans** **Need the survey sheets as well and PDF files of plans and surveys**
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.

PERMIT DEPOSIT TRANSFER FORM

DATE: 5/6/26

CUSTOMER	DR	CR*
Lumos/Gridiron/T-Fiber	0326-0000-220-0001	0326-0000-329-0001

PERMIT#	DESCRIPTION	AMOUNT
26-45	Lumos Bore Under Lake Jasmine Outfall (47-32-6) At Coolidge Ave.	Total Fee $2,700.00
	Double Permit Fee - Installed Without Permit	
	Permit Fee: $750 + $15 x 40' R/W	Due From Deposit
	= $750 + $600	
	= $1,350 x 2 Double Fee	
	Total Fee = $2,700.00	
		TOTAL $2,700.00

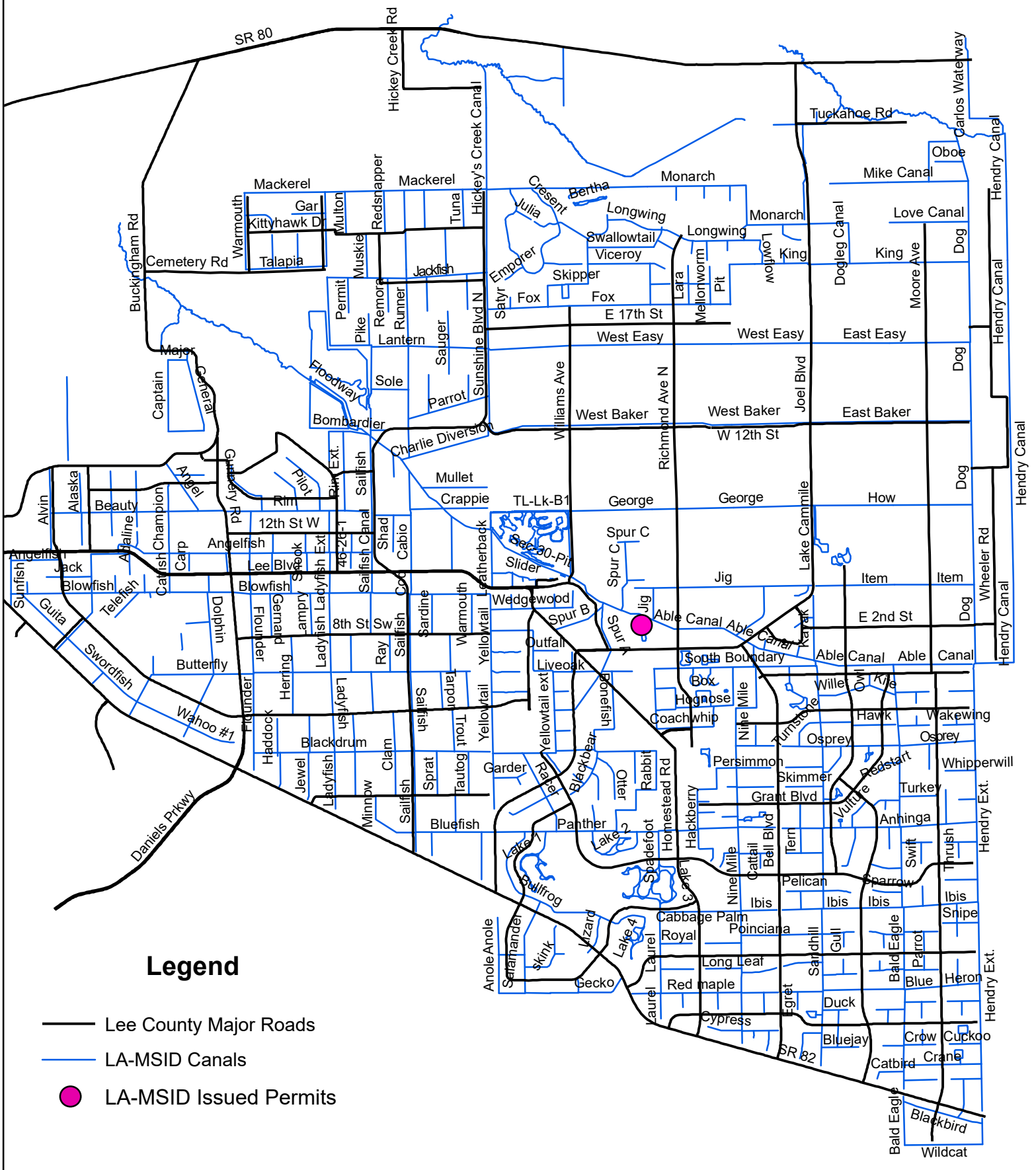
PERMIT REVIEWER SIGNATURE: Michael S. Cook DATE: 5/6/26

ACCOUNTING SIGNATURE: DATE:

INSTRUCTIONS: Permit Reviewer fills out date, permit #'s, amounts, and signs Form is then given to accounting to make a journal entry in order to move the money from the deposit account to the revenue account and signs. **This form will be filed as backup with the journal entry**.

*The CR account will need to be changed based on the customer See accounting to setup new customer deposit accounts

Permit # 2026-45



LUMOS NETWORKS
JOB NUMBER: R0LEEFL-15-08
ROUTE NAME: LE1_015_FDH_08

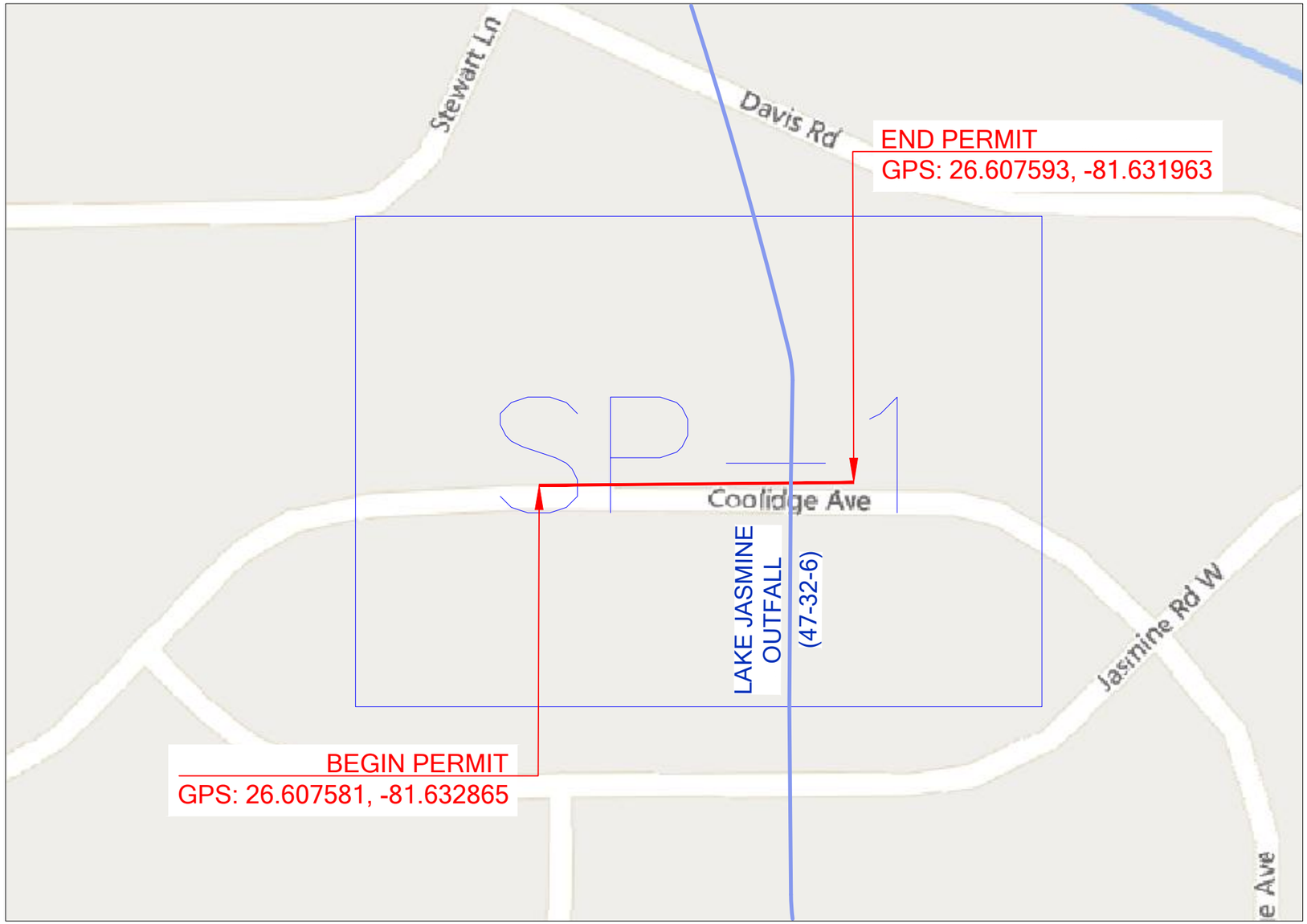
LUMOS PROPOSED FIBER OPTIC NETWORK PLACEMENT

CONSTRUCTION METHOD	FOOTAGE
UNDERGROUND	40′
AERIAL	0'

TOTAL PROPOSED FOOTAGE = 40′

INDEX TO SHEET

SHEET	TITLE
CV-1	LOCATION MAP
GN-1	LEGEND
GN-2	GENERAL NOTES AND CONSTRUCTION NOTE
SP-1	CONSTRUCTION PLANS
SP-A	PROFILE VIEW
SP-B	IMAGES



INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

PREPARED BY:6030 BETHELVIEW RD,SUITE #301
CUMMING, GA 30040.USA

PROJECT INFORMATION	
SITE NAME:	LE1_015_FDH_08
SITE ADDRESS:	136 COOLIDGE AVE
COUNTY:	LEE
APPROVER:	

SUBMITTAL INFORMATION			
REV	DATE	DESCRIPTION	INIT
0	04/10/2026	PERMIT DRAWING	CENT

CONSTRUCTION NOTES:

N

SHEET TITLE: LOCATION MAP

SHEET NUMBER: CV-1

DRAWING SHEET: 1 OF 6

LUMOS:

NAME: JASON BUSH
(CELL)(850) - 428 -1313

UTILITIES:

FL811 (800-432-4770)

CENTILLION:

CRAIG BLACK - PROJECT MANAGER
(CELL)720-597-5320

PERMITS:

LEHIGH ACRES MSID - PERMIT NUMBER / DATE: TBD

LINETYPE LEGEND

EOP	= EX. EDGE OF PAVEMENT
C/L	= EX. CENTER LINE
R/W	= EX. RIGHT OF WAY
ESMT	= EX. EASEMENT
	= EX. PROPERTY LINE
	= EX. BUILDING EDGE
OHF OHF	= EX. OVERHEAD FIBER
BFO BFO	= EX. BURIED FIBER
EX_STRAND	= EX. STRAND
	= EX. FENCE
GR GR	= EX. GUARDRAIL
	= RAILROAD
DB	= DIRECTIONAL BORE
	= WATER BODY
	= CULVERT
OHF OHF	= PROP. OVERHEAD FIBER
BFO BFO	= PROP. BURIED FIBER
	= PROP. CONDUIT
Strand Strand	= PROP. STRAND
	= PROP. MULTIPORT TAIL
SD	= STORM DRAINAGE
SS	= SEWER LINE
W	= WATER LINE
T	= TELCO LINE
TV	= CABLE TV LINE
E	= ELECTRIC LINE
TRAFF	= TRAFFIC LINE
G	= GAS LINE
	= DITCH LINE

SYMBOL LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	PROPOSED ANCHOR & GUY		DUCT COUNT
	FOREIGN/EXISTING ANCHOR & GUY		FIRE HYDRANT
	MGNV		WATER VALVE / METER
	JOINT USE POLE	W	WATER MANHOLE
	POWER POLE	S	SEWER MANHOLE
	COMMUNICATION POLE	SD	STORM MANHOLE
S	STEEL POLE		STORM INLET / CATCH BASIN
	CATV POLE	G	GAS VALVE / METER
	PROPOSED POLE	P	ELECTRIC MANHOLE
R	RISER	P	ELECTRIC HANDHOLE
	PROPOSED STORAGE LOOP		STREET LIGHT
	FIBER SPLICE	ELEC BOX	BURIED TRANSFORMER
	MIDSHEATH SPLICE	TRAF	TRAFFIC HANDHOLE
	TO C.O.		TRAFFIC POLE / SIGNAL
SPLT	SPLITTER HANDHOLE (13"X24"X18")	T	TELCO MANHOLE
SM	SMALL HANDHOLE (17"X30"X24")	TL	TELCO HANDHOLE
MED	MEDIUM HANDHOLE (24"X36"X24")	T	TELCO PEDESTAL
LHH	LARGE HANDHOLE (30"X48"X24")	CV	CABLE TV HANDHOLE
HH	EXISTING HANDHOLE	CV	CABLE TV PEDESTAL
P	PROPOSED PEDESTAL	1X8	PROPOSED 1x8 SPLITTER
P	EXISTING PEDESTAL	1X4	PROPOSED 1x4 SPLITTER
	PROPOSED FP		SIGN
3	TREE		BORE PIT

lumos™
INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

PREPARED BY:6030 BETHELVIEW RD,SUITE #301
CUMMING, GA 30040.USA
CENTILLION SOLUTIONS

PROJECT INFORMATION	
SITE NAME:	LE1_015_FDH_08
SITE ADDRESS:	136 COOLIDGE AVE
COUNTY:	LEE
APPROVER:	

SUBMITTAL INFORMATION			
REV	DATE	DESCRIPTION	INIT
0	04/10/2026	PERMIT DRAWING	CENT

CONSTRUCTION NOTES:

N

SHEET TITLE
LEGEND

SHEET NUMBER
GN-1

DRAWING SHEET
2 OF 6

AERIAL & U/G NOTES

ALL PROPOSED CONSTRUCTION WILL BE PER FDOT SPECIFICATIONS AS WELL AS ALL NESC SAFETY CODES.

ALL PROPOSED CATV WILL BE WITHIN THE FDOT RIGHT-OF-WAY.

ALL AERIAL CANAL RIGHT-OF-WAY CROSSINGS MUST BE A MINIMUM 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 BURIED A MINIMUM OF 40" 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 PARALLEL 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 FDOT RIGHT-OF-WAY.

ALL WORK PERFORMED WITHIN THE FDOT RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH FDOT 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.

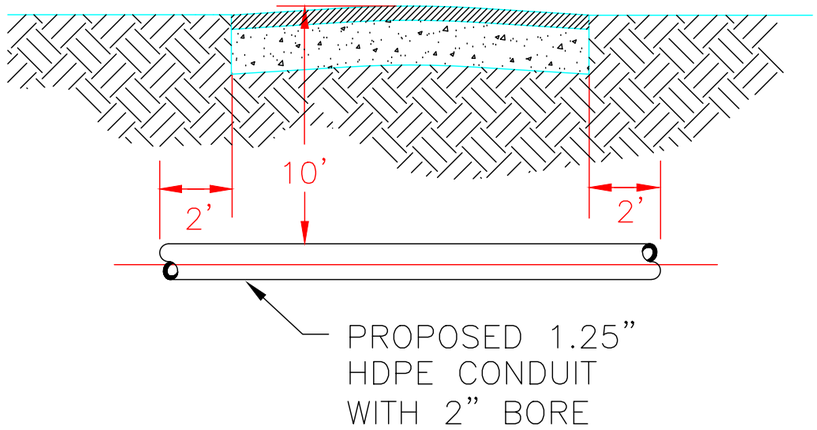
IT WILL BE THE RESPONSIBILITY OF THE PERMITTEE TO REPAIR ANY DAMAGE TO FDOT FACILITIES CAUSED BY THE CONSTRUCTION OF THE PROJECT.

ALL CONCRETE SHALL BE 3,000 PSI. APPROVED FDOT MIX DESIGN.

UTILITIES CONTACT

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT
MICHAEL COOK
(239) 366-0044 Ext. 16
MCOOK@LA-MSID.COM
STORM WATER/CANALS

LUMOS
JASON BUSH
CONSTRUCTION MANAGER
941-812-2913
JASON.BUSH@LUMOSFIBER.COM



TYPICAL DRIVEWAY DIRECTIONAL BORE

N.T.S.

MOT NOTES

TRAFFIC CONTROL SHALL COMPLY WITH FEDERAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND F.D.O.T. DESIGN STANDARD #NO. 600.

INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

PREPARED BY:6030 BETHELVIEW RD,SUITE #301
CUMMING, GA 30040.USA

CENTILLION SOLUTIONS

PROJECT INFORMATION	
SITE NAME:	LE1_015_FDH_08
SITE ADDRESS:	136 COOLIDGE AVE
COUNTY:	LEE
APPROVER:	

SUBMITTAL INFORMATION			
REV	DATE	DESCRIPTION	INIT
0	04/10/2026	PERMIT DRAWING	CENT

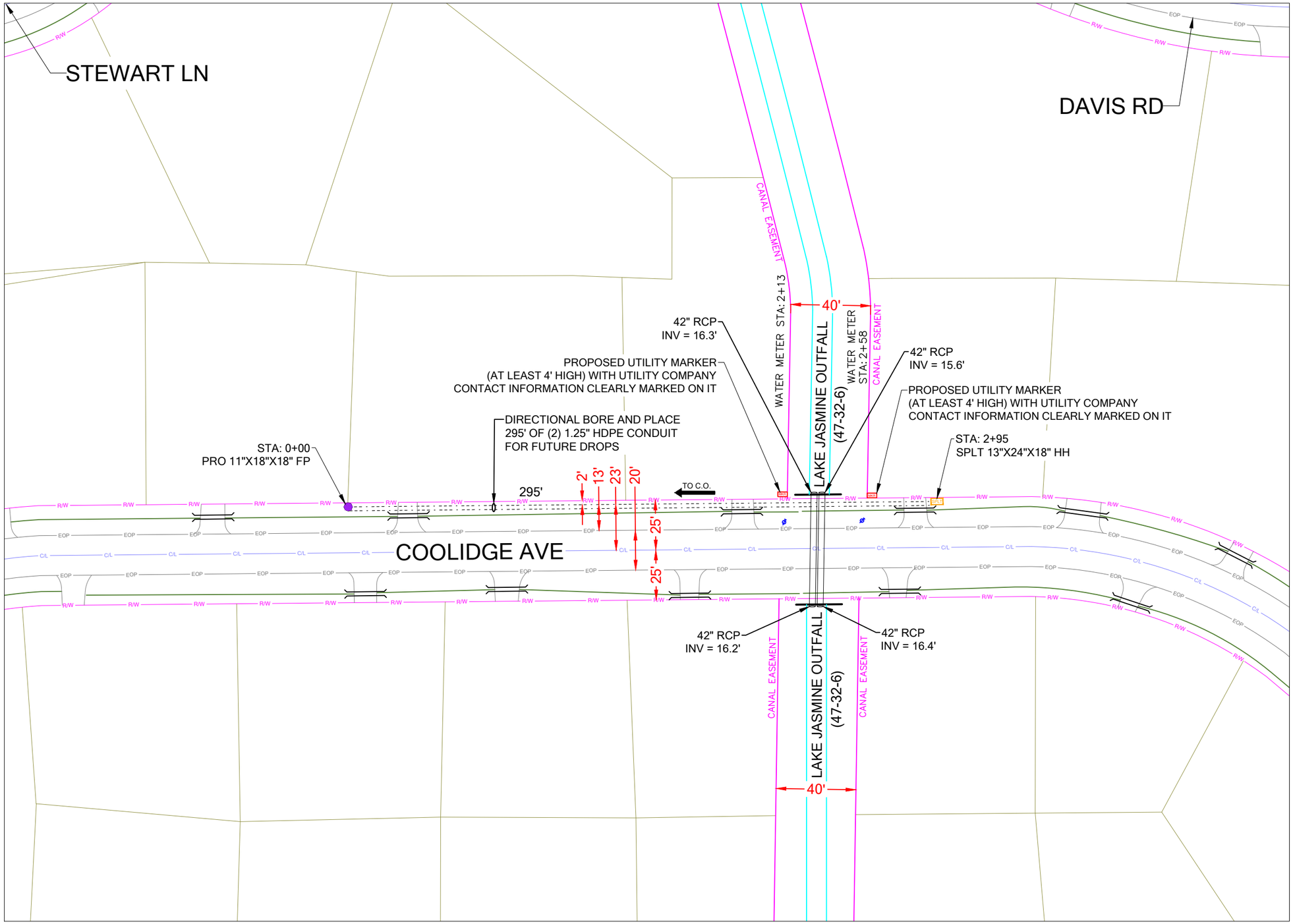
CONSTRUCTION NOTES:

N

SHEET TITLE: GENERAL NOTES

SHEET NUMBER: GN-2

DRAWING SHEET: 3 OF 6

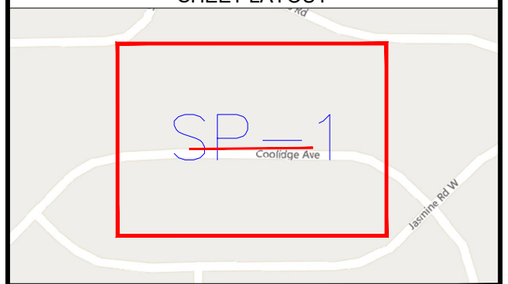


CONSTRUCTION NOTES

(2) 1.25" CONDUIT WITH 4" BORE.

BORE MUST BE 10' BELOW THE LOWEST PIPE INVERT OR THE CANAL BOTTOM, WHICHEVER IS LOWEST, FOR THE ENTIRE 40' 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.

SHEET LAYOUT



NOTE: LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION.

NOTE: ALL EXISTING UTILITIES PLACED ON PRINTS FOR REFERENCE ONLY. (NOT TO SCALE)

Sunshine811

lumos™
INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

PREPARED BY: 6030 BETHELVIEW RD, SUITE #301
CUMMING, GA 30040. USA
CENTILLION SOLUTIONS

PROJECT INFORMATION

SITE NAME:	LE1_015_FDH_08
SITE ADDRESS:	136 COOLIDGE AVE
COUNTY:	LEE
APPROVER:	

0' 25' 50'
SCALE: 1"=50'

SUBMITTAL INFORMATION

REV	DATE	DESCRIPTION	INIT
0	04/10/2026	PERMIT DRAWING	CENT

CONSTRUCTION NOTES:

BORE ALL BURIED ROUTES
. MIN DEPTH OF 36"
. ALL CABLE PLACED IN 1.25" HDPE 2' OFF ROW UNLESS SPECIFIED
. SIDEWALKS TO BE REPLACED JOINT TO JOINT
. PLACED AT BACK OF ROW

SHEET TITLE
CONSTRUCTION PLANS

SHEET NUMBER
SP-1

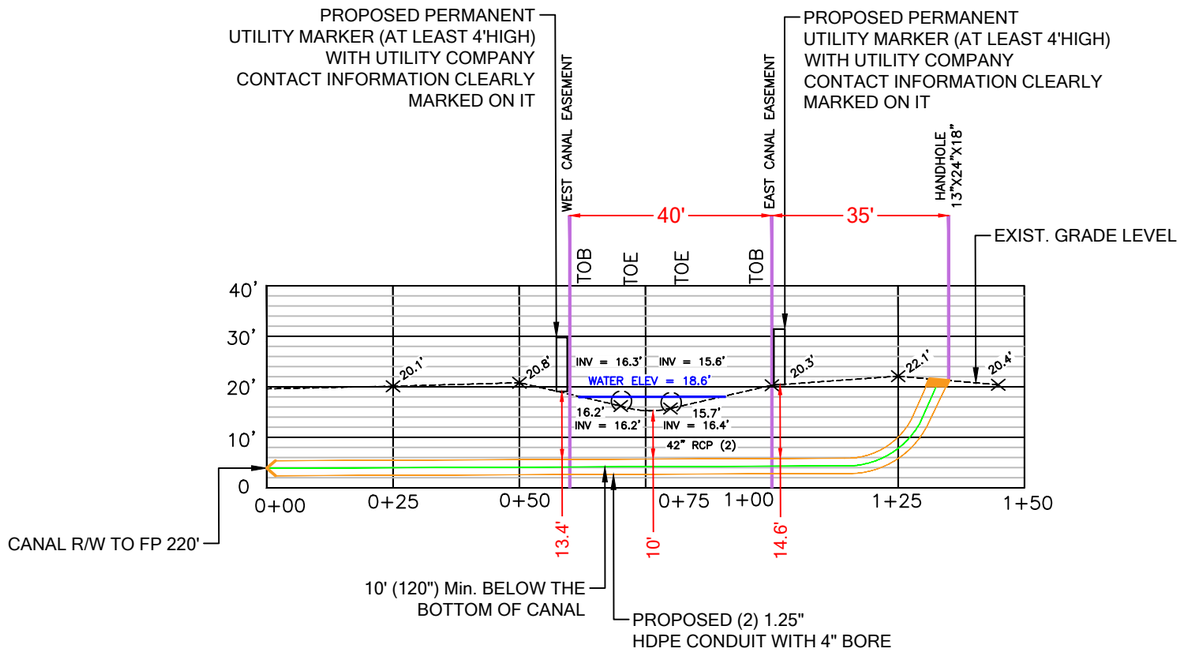
DRAWING SHEET
4 OF 6

U/G CANAL CROSS PROFILE VIEW

1" = 30' HORIZONTAL

1" = 30' VERTICAL

LAKE JASMINE OUTFALL
(47-32-6)

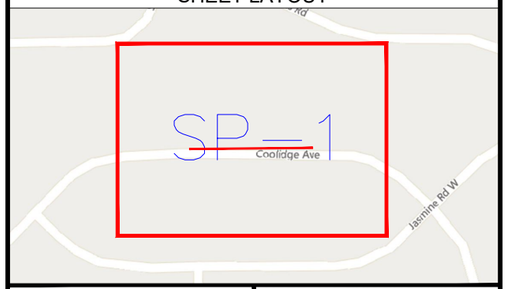


CONSTRUCTION NOTES

(2) 1.25" CONDUIT WITH 4" BORE.

BORE MUST BE 10' BELOW THE LOWEST PIPE INVERT OR THE CANAL BOTTOM, WHICHEVER IS LOWEST, FOR THE ENTIRE 40' 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.

SHEET LAYOUT



NOTE: LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION.

NOTE: ALL EXISTING UTILITIES PLACED ON PRINTS FOR REFERENCE ONLY. (NOT TO SCALE)

Sunshine811

lumos™
INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

PREPARED BY: 6030 BETHELVIEW RD, SUITE #301 CUMMING, GA 30040. USA
CENTILLION SOLUTIONS

PROJECT INFORMATION	
SITE NAME:	LE1_015_FDH_08
SITE ADDRESS:	136 COOLIDGE AVE
COUNTY:	LEE
APPROVER:	

0' 15' 30'
SCALE: 1"=30'

SUBMITTAL INFORMATION			
REV	DATE	DESCRIPTION	INIT
0	04/10/2026	PERMIT DRAWING	CENT

CONSTRUCTION NOTES:

BORE ALL BURIED ROUTES
. MIN DEPTH OF 36"
. ALL CABLE PLACED IN 1.25" HDPE 2' OFF ROW UNLESS SPECIFIED
. SIDEWALKS TO BE REPLACED JOINT TO JOINT
. PLACED AT BACK OF ROW

SHEET TITLE
CONSTRUCTION PLANS

SHEET NUMBER
SP-1A

DRAWING SHEET
5 OF 6



BORE CROSSING
LAKE JASMINE OUTFALL
(47-32-6)

lumos™

INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND SHALL NOT BE USED, COPIED, REPRODUCED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF LUMOS

PREPARED BY:6030 BETHELVIEW RD,SUITE #301
CUMMING, GA 30040.USA

CENTILLION SOLUTIONS

PROJECT INFORMATION	
SITE NAME:	LE1_015_FDH_08
SITE ADDRESS:	136 COOLIDGE AVE
COUNTY:	LEE
APPROVER:	

SUBMITTAL INFORMATION			
REV	DATE	DESCRIPTION	INIT
0	04/10/2026	PERMIT DRAWING	CENT

CONSTRUCTION NOTES:

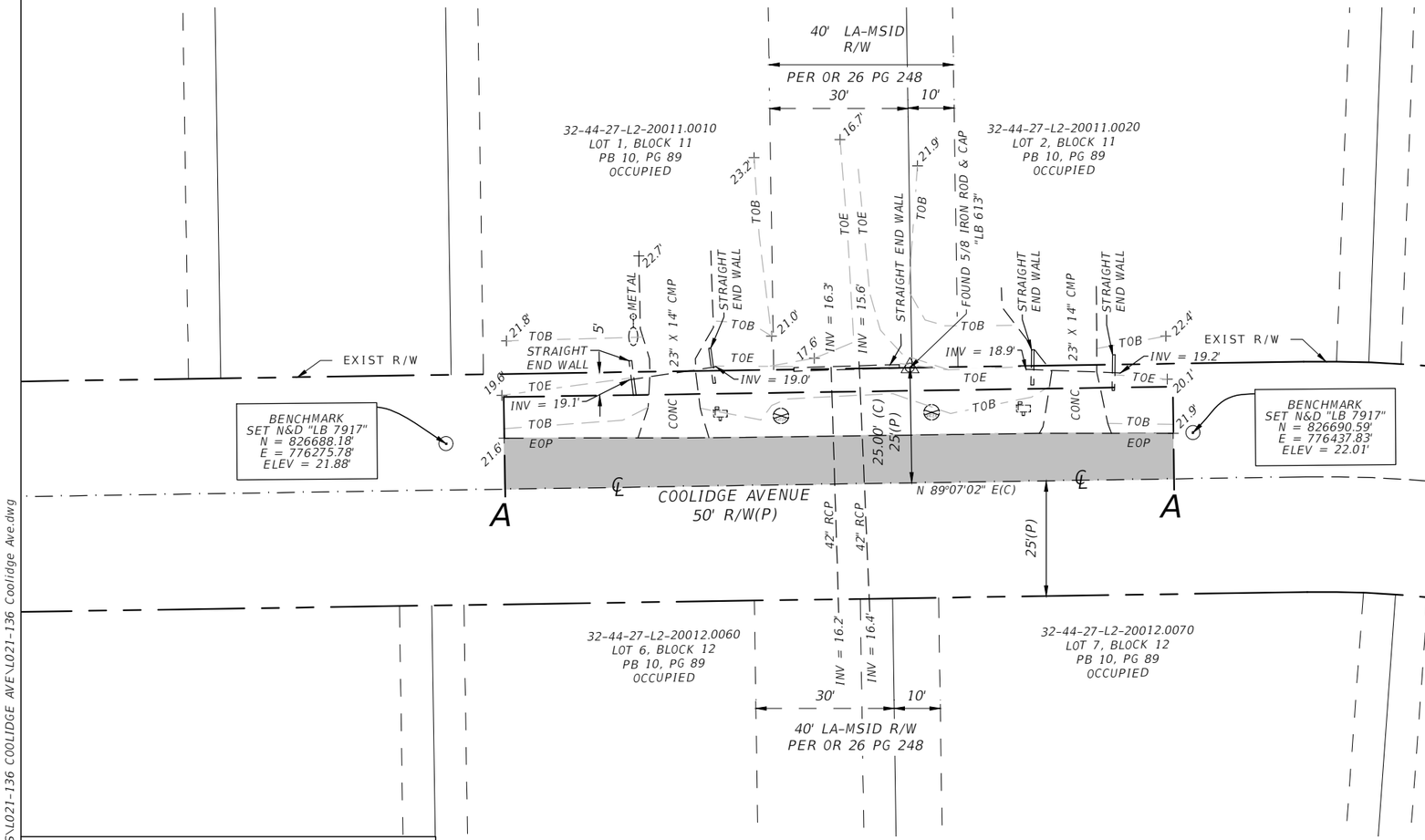
N

SHEET TITLE
IMAGE

SHEET NUMBER
SP-1B

DRAWING SHEET
6 OF 6

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 32, Township 44 South, Range 27 East

Lehigh Acres, Lee County, Florida

NOTES:

Survey based on the plat of Lehigh Acres as recorded in Plat Book 10 Page 86, 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 North of Coolidge Avenue between Davis Road and Jasmine Road West.

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: 12/08/2025

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.

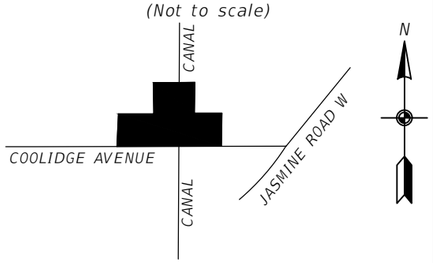
This survey is only for the lands as described. It is not a certificate of title, zoning, easements or freedom of encumbrances.

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.

Coolidge Avenue, Lehigh Acres

Location sketch
(Not to scale)



LEGEND:

(P)	= PER PLAT
(F)	= FIELD MEASURED
(C)	= CALCULATED
CB	= CATCH BASIN
Δ	= DELTA ANGLE
℄	= CENTER LINE
CONC	= CONCRETE
CMP	= CORRUGATED METAL PIPE
CPP	= CORRUGATED PLASTIC PIPE
DUE	= DRAINAGE AND UTILITY EASEMENT
ELEV	= ELEVATION
EOP	= EDGE OF PAVEMENT
EXIST	= EXISTING
FIRC	= FOUND IRON ROD AND CAP
INST#	= INSTRUMENT NUMBER
N&D	= NAIL AND DISK
NAVD 88	= NORTH AMERICAN VERTICAL DATUM 1988
OR	= OFFICIAL RECORDS BOOK
PB	= PLAT BOOK
PG	= PAGE
R/W	= RIGHT OF WAY
RCP	= REINFORCED CONCRETE PIPE
RNG	= RANGE
S/W	= SIDEWALK
SEC	= SECTION
TOB	= TOP OF BANK
TOE	= TOE OF SLOPE
TWP	= TOWNSHIP
(TYP)	= TYPICAL
INV	= INVERT ELEVATION
LA-MSID	= LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

⊙	= FOUND MONUMENT
OE	= OVERHEAD UTILITY LINE
+20.0	= SPOT ELEVATION
	= WIRE PULL BOX
	= SINGLE SUPPORT SIGN
	= GUY ANCHOR
BACK FLOW PREVENTOR	= BACK FLOW PREVENTOR
	= VALVE COVER WATER
	= LIGHT POLE
	= MAILBOX

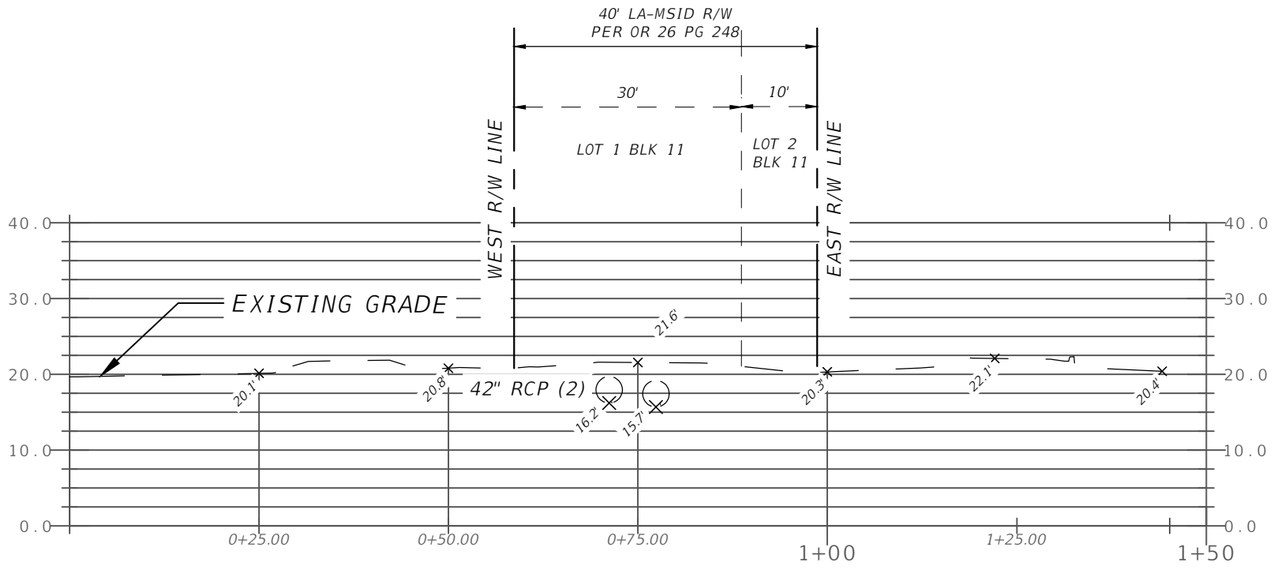
TOPOGRAPHIC SURVEY-PLAN VIEW

McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name: L021-136 Coolidge Ave.dwg	Field book/page: 106981-1/22	Project No.: 106980001-L021	
Survey date: 12/08/2025	Drawn by: JRB	Checked by: TJH	Sheet No.: 01 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L021-136 COOLIDGE AVE\L021-136 Coolidge Ave.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

Coolidge Avenue, Lehigh Acres

TOPOGRAPHIC SURVEY-PROFILE VIEW

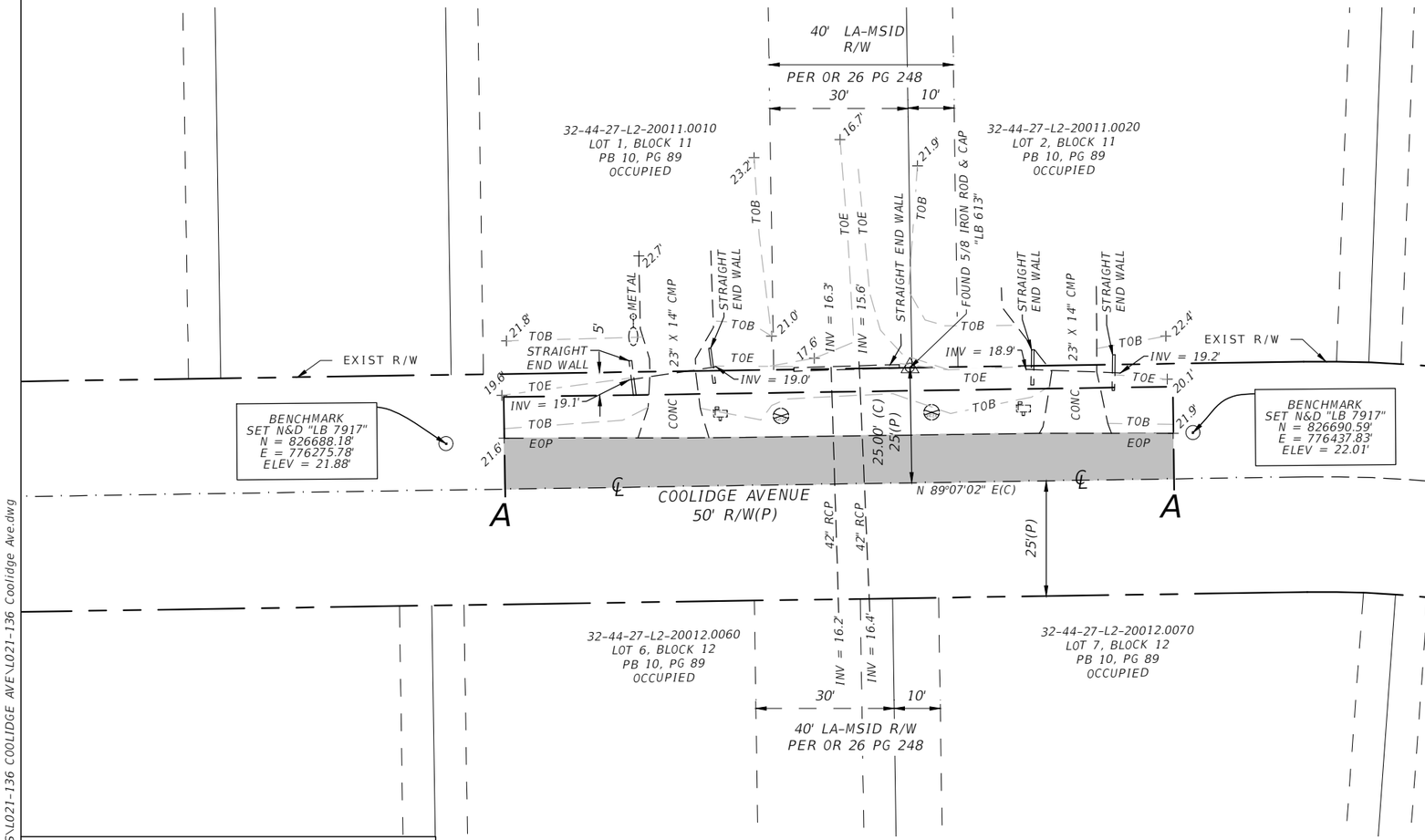
McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name:	Field book/page:	Project No.:
L021-136 Coolidge Ave.dwg	106981-1/22	106980001-L021

Survey date:	Drawn by:	Checked by:	Sheet No.:
12/08/2025	JRB	TJH	02 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L021-136 COOLIDGE AVE\L021-136 Coolidge Ave.dwg

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 32, Township 44 South, Range 27 East

Lehigh Acres, Lee County, Florida

NOTES:

Survey based on the plat of Lehigh Acres as recorded in Plat Book 10 Page 86, 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 North of Coolidge Avenue between Davis Road and Jasmine Road West.

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: 12/08/2025

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.

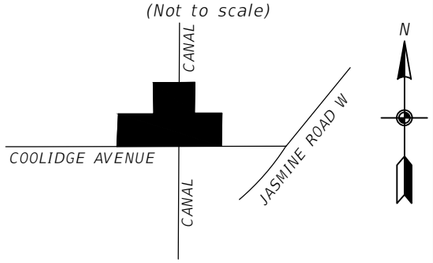
This survey is only for the lands as described. It is not a certificate of title, zoning, easements or freedom of encumbrances.

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.

Coolidge Avenue, Lehigh Acres

Location sketch
(Not to scale)



LEGEND:

(P)	= PER PLAT
(F)	= FIELD MEASURED
(C)	= CALCULATED
CB	= CATCH BASIN
Δ	= DELTA ANGLE
℄	= CENTER LINE
CONC	= CONCRETE
CMP	= CORRUGATED METAL PIPE
CPP	= CORRUGATED PLASTIC PIPE
DUE	= DRAINAGE AND UTILITY EASEMENT
ELEV	= ELEVATION
EOP	= EDGE OF PAVEMENT
EXIST	= EXISTING
FIRC	= FOUND IRON ROD AND CAP
INST#	= INSTRUMENT NUMBER
N&D	= NAIL AND DISK
NAVD 88	= NORTH AMERICAN VERTICAL DATUM 1988
OR	= OFFICIAL RECORDS BOOK
PB	= PLAT BOOK
PG	= PAGE
R/W	= RIGHT OF WAY
RCP	= REINFORCED CONCRETE PIPE
RNG	= RANGE
S/W	= SIDEWALK
SEC	= SECTION
TOB	= TOP OF BANK
TOE	= TOE OF SLOPE
TWP	= TOWNSHIP
(TYP)	= TYPICAL
INV	= INVERT ELEVATION
LA-MSID	= LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

⊙	= FOUND MONUMENT
OE	= OVERHEAD UTILITY LINE
+20.0	= SPOT ELEVATION
	= WIRE PULL BOX
	= SINGLE SUPPORT SIGN
	= GUY ANCHOR
BACK FLOW PREVENTOR	= BACK FLOW PREVENTOR
	= VALVE COVER WATER
	= LIGHT POLE
	= MAILBOX

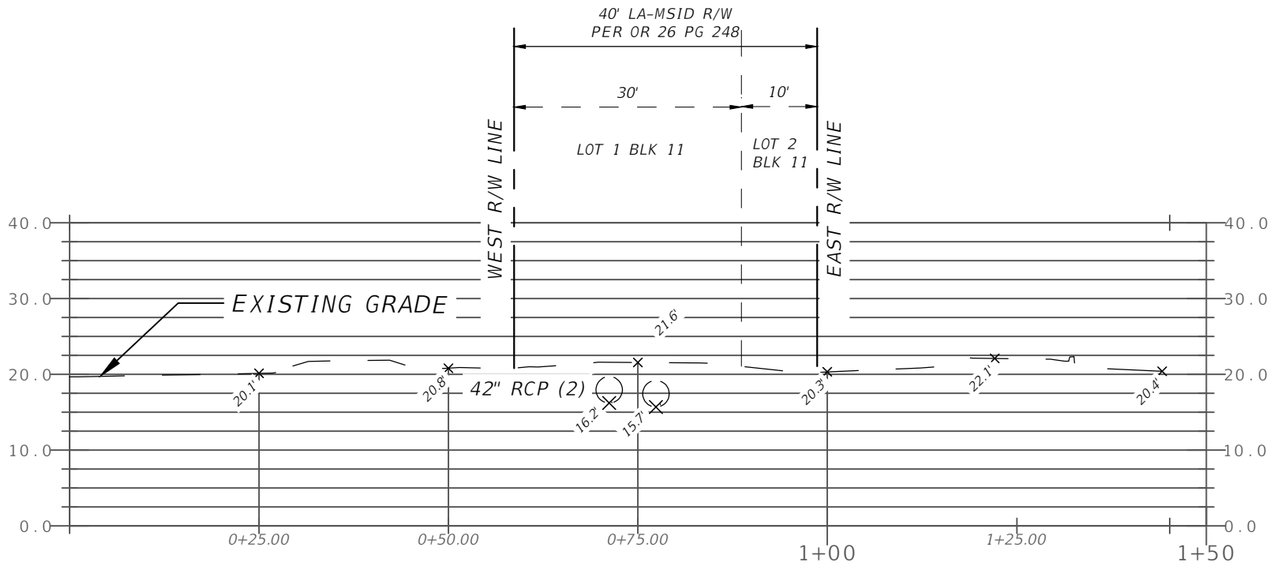
TOPOGRAPHIC SURVEY-PLAN VIEW

McKIM&CREED
5701 Division Drive, Suite A
Fort Myers, Florida 33905
Phone: (239) 275-8875
LB 7917
www.mckimcreed.com

File name: L021-136 Coolidge Ave.dwg	Field book/page: 106981-1/22	Project No.: 106980001-L021	
Survey date: 12/08/2025	Drawn by: JRB	Checked by: TJH	Sheet No.: 01 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L021-136 COOLIDGE AVE\L021-136 Coolidge Ave.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

Coolidge Avenue, Lehigh Acres

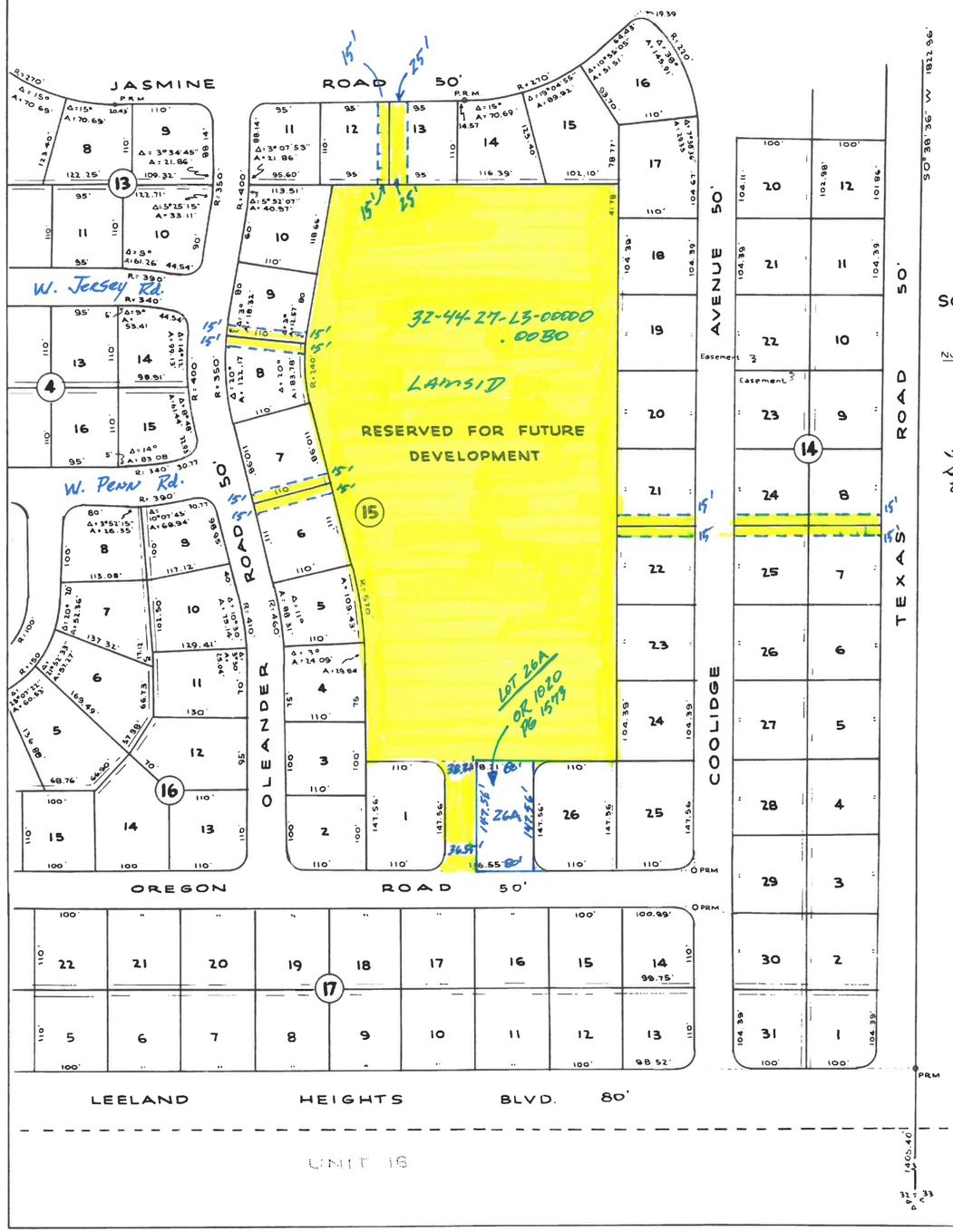
TOPOGRAPHIC SURVEY-PROFILE VIEW

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.:
L021-136 Coolidge Ave.dwg	106981-1/22	106980001-L021

Survey date:	Drawn by:	Checked by:	Sheet No.:
12/08/2025	JRB	TJH	02 OF 02

I:\10698\0001\Geomatics\90-WORK ORDERS\L021-136 COOLIDGE AVE\L021-136 Coolidge Ave.dwg



UNIT 20

SECTION 32

TWP 44S - RGE 27E

A Subdivision of

LEHIGH ACRES

LEE COUNTY, FLORIDA

LEE COUNTY LAND & TITLE CO., DEVELOPERS

SCALE 0 100 200 300

FEBRUARY 15, 1957

NOTES:

ALL LOTS SUBJECT TO A 7.0' DRAINAGE AND UTILITY EASEMENT ON EACH SIDE EXCEPT AS NOTED.

UNLESS OTHERWISE STATED, ALL INTERSECTIONS WILL HAVE A 25' RADIUS, BUT LOT DISTANCES ARE GIVEN TO THE STRAIGHT LINE INTERSECTIONS EXCEPT WHERE ARC DISTANCES ARE SHOWN.

For Boundary Bearing Adjustment & Sec 32-47-27
See Misl Book 48 Pg 461 Dated 1-21-58
Entered 2/26/58
D.J. Faraher Clerk
By Frank Vasiloff D.C.

Certificate of Survey

I HEREBY CERTIFY THAT THIS PLAT IS A REPRESENTATION OF A RECENT SURVEY MADE AND PLATTED UNDER MY DIRECTION, AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF

William L. Humphreys
FLORIDA REG'D LAND SURVEYOR No. 1092

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 UNIT 20, LEHIGH ACRES to be made and do hereby dedicate to the perpetual use of the public all streets, roads, drives and/or lanes shown hereon.

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 its Board of Directors have executed these presents for and on behalf of said corporation and caused its corporate seal to be affixed on this 3RD day of April A.D. 1957.

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 and they acknowledged before me that they executed the same freely and voluntarily 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 25TH day of MAY A.D. 1957.

Joseph G. Ryan
Notary Public, State of Florida at Large

My Commission Expires 10/23/59

APPROVALS

This plat approved this 8th day of May A.D. 1957 in open meeting of the Board of County Commissioners of Lee County, Florida.

Approved: Wilbur Pratt, Chairman D.J. Faraher, Clerk

I HEREBY CERTIFY that this plat of UNIT 20, 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 ____ day of ____ A.D. 1957, and duly recorded in Plat Book 10 on pages 86 of Public Records of Lee County, Florida.

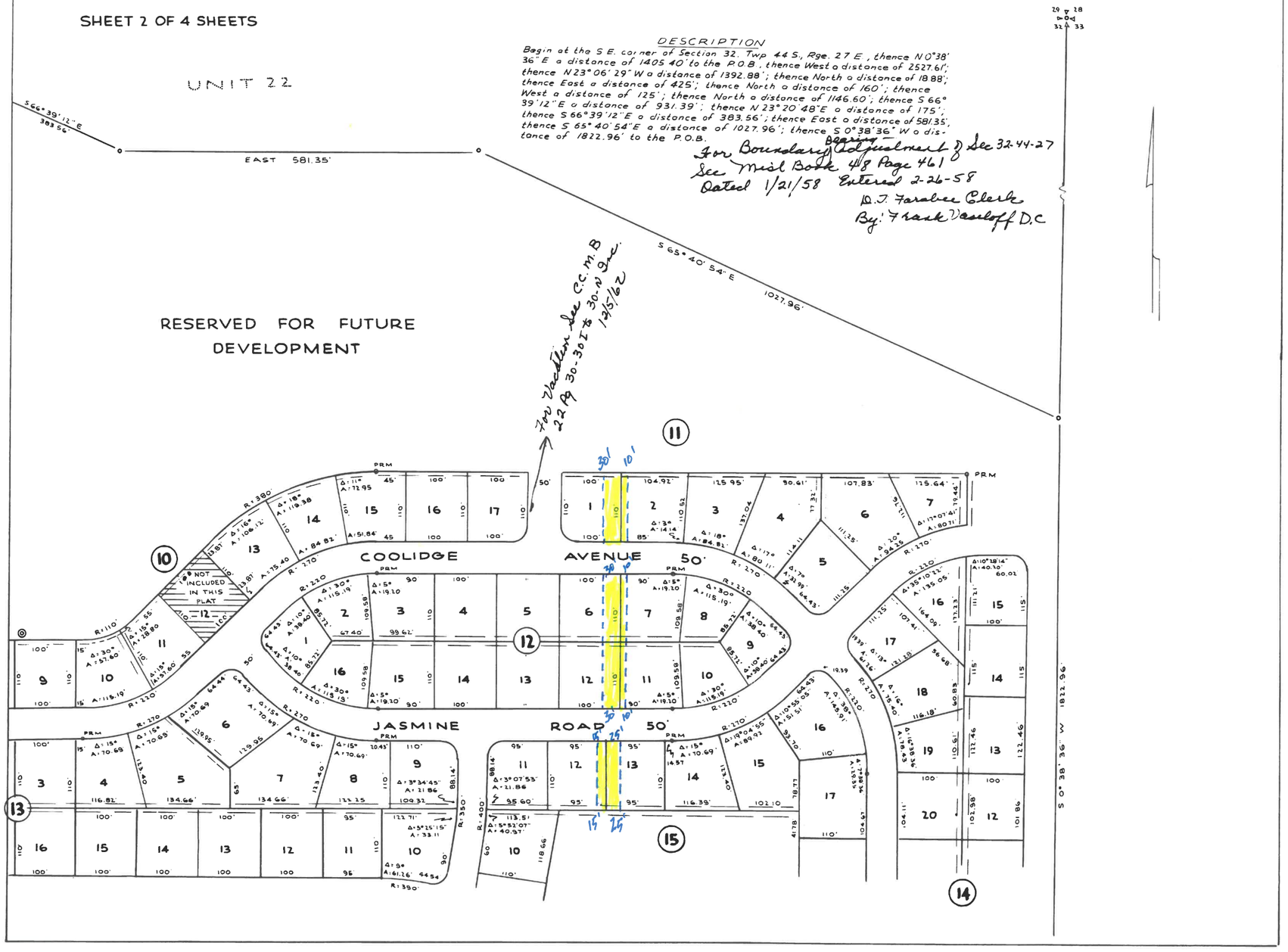
87
88 1957
89

D.J. Faraher
Clerk of the Circuit Court in and for Lee County

UNIT 20

LEHIGH ACRES

SHEET 2 OF 4 SHEETS



DESCRIPTION

Begin at the S.E. corner of Section 32, Twp 44 S., Rge. 27 E., thence N 0°38' 36" E a distance of 1405.40' to the P.O.B., thence West a distance of 2527.61'; thence N 23° 06' 29" W a distance of 1392.88'; thence North a distance of 18.88'; thence East a distance of 425'; thence North a distance of 160'; thence West a distance of 125'; thence North a distance of 1146.60'; thence S 66° 39' 12" E a distance of 931.39'; thence N 23° 20' 48" E a distance of 175'; thence S 66° 39' 12" E a distance of 383.56'; thence East a distance of 581.35'; thence S 65° 40' 54" E a distance of 1027.96'; thence S 0° 38' 36" W a distance of 1822.96' to the P.O.B.

For Boundary Bearing Adjustment of Sec 32-44-27
See Misl Book 48 Page 461
Dated 1/21/58 Entered 2-26-58
D.J. Farabee Clerk
By: Frank Vaseloff D.C

For Vacation See C.C. M.B 22 Pg 30-30 I to 30-N Inc. 12/5/62

SHEET 4 OF 4 SHEETS

UNIT 20
LEHIGH ACRES

WYOMING ROAD 50'

COOLIDGE AVENUE 50'

JERSEY ROAD 50'

PENN ROAD 50'

BOUGAINVILLEA ROAD 50'

LEELAND HEIGHTS BLVD. 80'

CONNECTICUT ROAD 60'

OREGON ROAD 50'

LOIS WAY 50'

10 RESERVED FOR FUTURE DEVELOPMENT

Water Plant

NOT INCLUDED IN THIS PLAT

Jasmine Rd.

UNIT 4

UNIT 7

PLAT BOOK 10, PAGE 89

PLAT BOOK 13 PAGE 37

ADDITION TO UNIT 20

SECTION 32
TWP. 44 S - RGE. 27 E
A SUBDIVISION OF

LEHIGH ACRES

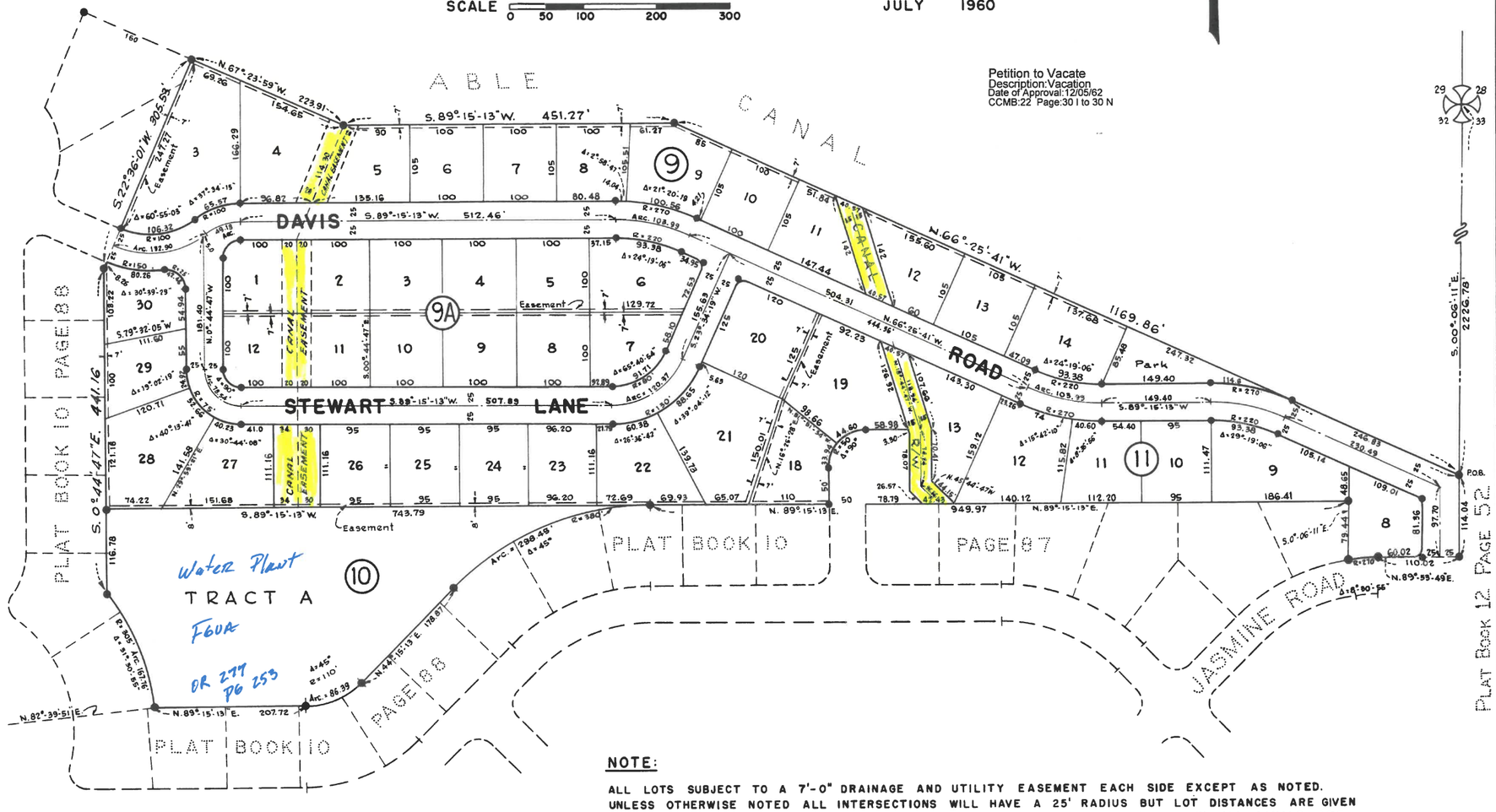
LEE COUNTY, FLORIDA
LEE COUNTY LAND AND TITLE COMPANY
DEVELOPERS

SCALE 0 50 100 200 300

JULY 1960

N

Petition to Vacate
Description:Vacation
Date of Approval:12/05/62
CCMB:22 Page:30 I to 30 N



NOTE:

ALL LOTS SUBJECT TO A 7'-0" DRAINAGE AND UTILITY EASEMENT EACH SIDE EXCEPT AS NOTED. UNLESS OTHERWISE NOTED ALL INTERSECTIONS WILL HAVE A 25' RADIUS BUT LOT DISTANCES ARE GIVEN TO THE STRAIGHT LINE INTERSECTIONS EXCEPT WHERE ARC DISTANCES ARE SHOWN. ALL CANALS ARE DEDICATED TO THE EAST COUNTY WATER CONTROL DISTRICT.

● DENOTES P.R.M.s

SHEET 2 OF 2

BK: 28 PAGE 248

246363

THIS INDENTURE, Made this 31st day of September, 1960, between LEE COUNTY LAND AND TITLE COMPANY, a Florida corporation, as party of the first part, and BOARD OF SUPERVISORS OF LEE COUNTY WATER CONTROL DISTRICT, a drainage district under the laws of the State of Florida, as party of the second part,

WITNESSETH, That the party of the first part, for and in consideration of the sum of One Dollar ($1.00) and other valuable considerations paid, receipt of which is hereby acknowledged, does hereby grant, remise, release, quit-claim and convey unto the party of the second part, its successors and assigns forever the following described land, situate, lying and being in the County of Lee, State of Florida, to-wit:

PB 10 PG 89 — The East 15 feet of Lot 10, Block 3; The West 15 feet of Lot 9, Block 3 — 30'
The West 15 feet of Lot 10, Block 3; The West 15 feet of Lot 17, Block 3 — 30'
PB 10 PG 89 — The East 25 feet of Lot 8, Block 4; The West 5 feet of Lot 9, Block 4 — 30'
PB 10 PG 89 — The West 5 feet of Lot 20, Block 4; The East 25 feet of Lot 21, Block 4 — 30'
PB 10 PG 89 — The East 10 feet of Lot 9, Block 10; The West 20 feet of Lot 10, Block 10 — 30'
PB 10 PG 89 — The East 10 feet of Lot 3, Block 13; The West 20 feet of Lot 4, Block 13 — 30'
PB 10 PG 89 — The West 20 feet of Lot 15, Block 13; The East 10 feet of Lot 16, Block 13 — 30'

Lois Way Outfall

30' wide Drainage Ditch Thru Water Plant Site To ABLE CANAL

PB 10 PG 87 — The East 30 feet of Lot 1, Block 11 — N. Side Coolidge Ave; The West 10 feet of Lot 2, Block 11 — N. Side Coolidge Ave — 40'
PB 10 PG 87 — The East 30 feet of Lot 6, Block 12 — S. Side Coolidge Ave; The West 10 feet of Lot 7, Block 12 — S. Side Coolidge Ave — 40'
PB 10 PG 87 — The West 10 feet of Lot 11, Block 12 — N. Side W. Jasmine Rd; The East 30 feet of Lot 12, Block 12 — N. Side W. Jasmine Rd — 40'
PB 10 PG 86 — The East 15 feet of Lot 12, Block 15 — S. Side W. Jasmine Rd; The West 25 feet of Lot 13, Block 15 — S. Side W. Jasmine Rd. — 40' Total

Jasmine Outfall (47-32-6)

PB 10 PG 86 — A strip of land 15 feet wide along the entire length of the North boundary of Lot 6, Block 15, said strip of land having for its Northerly boundary the Northerly boundary of Lot 6, Block 15.
A strip of land lying along the entire length of the Southerly boundary of Lot 7, Block 15, said strip of land being 15 feet wide and having for its Southerly boundary, the Southerly boundary of Lot 7, Block 15. — 30'

Inlet Ditch West Side Central Lake Jasmine

PB 10 PG 86 — A strip of land 15 feet wide lying along the entire Northerly boundary of Lot 8, Block 15, said strip of land having for its Northerly boundary the Northerly boundary of Lot 8, Block 15.
A strip of land 15 feet wide lying along the entire length of the Southerly boundary of Lot 9, Block 15, said having for its Southerly boundary the Southerly boundary of Lot 9, Block 15. — 30'

Inlet Ditch NW Side Lake Jasmine

OFF. REC. 26 PAGE 249

PB 10 PG 86 — The South 15 feet of Lot 21, Block 15 } 30'
The North 15 feet of Lot 22, Block 15 }

PB 10 PG 86 — The North 15 feet of Lot 7, Block 14 } 30'
The South 15 feet of Lot 8, Block 14 }

PB 10 PG 86 — The South 15 feet of Lot 24, Block 14 } 30'
The North 15 feet of Lot 25, Block 14 }

Texar Road Drainage Ditch to Lake Jasmine

All situated, lying and being in Unit 20, Section 32, Township 44 South, Range 27 East, according to a plat thereof which is recorded in Plat Book 10, pages 86 through 89, public records of Lee County, Florida.

This deed is made for the purpose of giving and granting to the party of the second part, its successors, legal representatives and assigns, a right of way and easement in and to said land to make or cause to be made or constructed thereon, such canals, sluice-ways, dikes, roads and other works as may in the judgment of said party of the second part, or its successors, be necessary and needful for the drainage or reclamation of any of the lands in the East County Water Control District; or for ingress and egress thereto; and is made, executed and delivered with the express understanding and condition that should the same ever be discontinued or abandoned for such purpose the title to the same shall thereupon revert to and revest in the party of the first part, its successors and assigns.

TO HAVE AND TO HOLD THE SAME, together with all and singular the appurtenances thereto belonging or in anywise incident or appertaining, and all the estate, right, title, interest and claim whatsoever of the party of the first part, in law or in equity, to the only proper use, benefit and behoof of the said party of the second part, its successors and assigns.

IN WITNESS WHEREOF, the said party of the first part has caused these presents to be signed in its name by its proper officers, and its corporate seal to be affixed, attested by its Secretary, the day and year above written.

Signed, sealed and delivered in the presence of:

James Shapiro

Gladys S Lack

LEE COUNTY LAND AND TITLE COMPANY

By _____ (SEAL) President

Attest _____ (SEAL) Secretary

STATE OF FLORIDA }
COUNTY OF DADE }

I HEREBY CERTIFY, that on this day in the next above named State and County, before me, an officer duly authorized and acting personally appeared GERALD H. GOULD and EDWARD SHAPIRO, President and Secretary respectively of LEE COUNTY LAND AND TITLE COMPANY, to me well known and known to me to be the individuals described in and who executed the foregoing right of way deed, and they acknowledged then and there before me that they executed said right of way deed.

WITNESS my hand and official seal this 8th day of September, 1960.

Notary Public, State of Florida

My Commission Expires June 12, 1964

FILED FOR RECORD
This 14th Day of Sept. 1960 Record in O.R.
Book 26 Page 248 and Record Verified.
D. T. FARABEE Clerk Circuit Court
By D.T. Farabee Deputy Clerk

PART IV #26-45

Recommended Action

Engineering Review:

By: _____5/7/2026 **Approved _X_ Denied __**

District Field Review:

By: _____ Approved ___ Denied ___

District Manager: _____ Date: _____

Comments:

The referenced permit application for a boring under Lake Jasmine Canal (47-32-6) at Coolidge Ave, in Lehigh Acres, submitted by Lumos, 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: MOU - Teamsters Local 79 and LA-MSID

Meeting Date: May 18, 2026

Agenda Item # 3B

☐ **CONSENT** ☒ **ACTION** ☐ **OLD BUSINESS** ☐ **NEW BUSINESS**

Request Initiated By: ☐ **COMMISSIONER** _____ ☐ **ATTORNEY**

☐ **BOARD** ☒ **MANAGER** ☐ **ENGINEER** ☐ **AUDITOR**

1 Recommended motion: Move to approve the attached Memorandum of Understanding between LA-MSID and Teamster Local 79 and the bargaining unit.

2 What the action accomplishes: Provides that all members of the bargaining unit be included into the random drug testing program, due to classification as safety sensitive positions.

3 Fiscal Impact: N/A

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**

MEMORANDUM OF UNDERSTANDING
BY AND BETWEEN
LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT
AND
TEAMSTERS LOCAL 79

This Memorandum of Understanding is made this 27th day of April 2026**,** between the Lehigh Acres Municipal Services Improvement District, an independent special district, having its principal office at 601 East County Lane, Lehigh Acres, Florida 33936 (herein "LA-MSID") and Teamsters Local No. 79., having a mailing address of 5818 E. M.L. King, Jr. Blvd., Tampa, Florida 33619 (herein "Union"), collectively, the "Parties", hereto.

WHEREAS, Article 17 of the Collective Bargaining Agreement between the parties shall recognize that all classifications subject to the Collective Bargaining Agreement, will now be considered "safety-sensitive" and, thus, subject to Random Drug Testing per the DOT guidelines and/or District's past practices, even if not all classifications are required to possess a Commercial Driver's License (CDL);

AGREEMENT OF THE PARTIES

This MOU is the complete Agreement and Understanding between the Parties and shall supersede all other prior understandings whether written or oral on the same subject, and made prior by the Parties hereto.

IN WITNESS WHEREOF, the Parties hereto have caused this Memorandum of Understanding executed on this ___ day of _____, 2026 by their respective officers, therein duly authorized.

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT	TEAMSTERS LOCAL NO. 79
BY: _____	BY: _____
_____ Type or Print Name	_____ Type or Print Name
_____ Title	_____ Title

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

AGENDA ITEM SUMMARY

Subject: Changes to Job Descriptions

Meeting Date: May 18, 2026

Agenda Item # 3C

☐ **CONSENT** ☒ **ACTION** ☐ **OLD BUSINESS** ☐ **NEW BUSINESS**

Request Initiated By: ☐ **COMMISSIONER** _____ ☐ **ATTORNEY**

☐ **BOARD** ☒ **MANAGER** ☐ **ENGINEER** ☐ **AUDITOR**

1 Recommended motion: Move to approve the job description changes for all job descriptions that are included with this agenda item.

2 What the action accomplishes: 1.Create an Intern Mechanic position (partnership with Fort Myers Technical Institute students); Create two more steps for non-supervising mechanics; 2. Create Career Progression Policy for Grounds Maintenance Series which decreases high school requirement. 3. Designate all bargaining unit positions as safety-sensitive positions - now fall under the random drug testing policy.

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
Job Description

Job Title:	Mechanic Intern
Department:	2-Field/Canal Maintenance
Pay Grade	N/A
Reports To:	Fleet Maintenance Supervisor
FLSA Status:	N/A
Bargaining Status:	N/A
Prepared By:	Human Resources
Prepared Date:	April 23,2026
Approved By:	Board of Commissioners

SUMMARY: The Mechanic Intern performs basic-level maintenance and repair of LA-MSID owned vehicles and equipment. Responsibilities are performed under direct supervision of the Fleet Maintenance Supervisor.

EDUCATION AND EXPERIENCE: High school diploma or general education degree (GED) is required. Must be enrolled in a Technical Program with a concentration in automotive or diesel maintenance. Must be at least 18 years of age.

CERTIFICATES, LICENSES, REGISTRATIONS:

Valid Florida Class "E" Driver's License

SUPERVISORY RESPONSIBILITIES: None.

QUALIFICATIONS: 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.

ESSENTIAL DUTIES AND RESPONSIBILITIES:

Assists/Performs regularly schedules maintenance to district fleet and equipment.

Assists/Performs necessary repairs to district fleet and equipment including but not limited to cleaning radiators, checking tires for proper inflation and ensures all fluid levels are at proper operating ranges while equipment is in the field.

Clean work areas, equipment, and tools. Maintain accurate records of services/activities performed and complete forms.

Repair and service small engines, such as chainsaws, lawn mowers, weed eaters and related equipment.

May provide maintenance and repair work on stationary equipment, fixtures, and other equipment.

Assist in loading, unloading, and securing materials and equipment.

Performs other duties as assigned.

LANGUAGE SKILLS: Ability to read and interpret documents such as safety rules, operating and maintenance instructions, and procedure manuals. Ability to write routine reports and correspondence.

PHYSICAL DEMANDS:
Position requires FREQUENT standing, talking, hearing, bending, kneeling, stooping, crouching, climbing, standing, and pulling.

Employee is constantly required to use hands and fingers to feel, handle or operate objects, tools, or controls; and reach with hands and arms, and move up and down from or to sitting or lying position on the floor.

Requires significant physical stamina and endurance, including the ability to lift and carry up to 100 lbs., and operate hand tools.

WORK ENVIRONMENT: 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 regularly exposed to moving mechanical parts. The employee is frequently exposed to wet and/or humid conditions, fumes or airborne particles, extreme heat, and risk of electrical shock. The employee is occasionally exposed to high, precarious places; toxic or caustic chemicals; outside weather conditions; and vibration. The noise level in the work environment is usually loud.

Lehigh Acres Municipal Services Improvement District
Job Description

Job Title:	Assistant Mechanic III
Department:	2-Field/Canal Maintenance
Pay Grade	12
Reports To:	Fleet Maintenance Supervisor
FLSA Status:	Non-Exempt
Bargaining Status:	Bargaining
Prepared By:	Human Resources, Mike Cook, Bill Walker
Prepared Date:	April 23, 2026
Approved By:	Board of Commissioners

SUMMARY: Highly skilled and specialized mechanical work in the maintenance and repair of a variety of automobiles, large trucks, heavy equipment, diesel repairs, and specialized equipment.

EDUCATION AND EXPERIENCE: High school diploma or general education degree (GED); Six (6) years related experience and documented training; or equivalent combination of education and experience.

CERTIFICATES, LICENSES, REGISTRATIONS:

External Hires: Must maintain all certifications, licenses, and registrations required for the lower-level mechanics. Class "B" CDL license with Hazmat endorsement required; Class "A" CDL with Hazmat endorsement within 90 days.

Any certifications, licenses, etc. required as part of the job, are the responsibility of the employee during the 90-day probationary period; once an employee has reached regular status they may submit these certifications for reimbursement.

All licenses, certifications, etc. must be kept current and active unless otherwise documented from the department head.

Internal Hires: Must maintain all certifications, licenses, and registrations required for the lower-level mechanics. Class "A" CDL license with Hazmat endorsement required.

May be called upon by management to receive additional training to keep up with the District's growing fleet and needs.

All licenses, certifications, etc. must be kept current and active unless otherwise documented from the department head.

SUPERVISORY RESPONSIBILITIES: May be required by management to lightly supervise lower-level field personnel during repairs.

QUALIFICATIONS: 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.

ESSENTIAL DUTIES AND RESPONSIBILITIES:
Duties may include, but are not limited to the following:

Recommend equipment purchases and replacements to management.

Reports machinery defects or malfunctions to supervisor.

Maintains and keeps supply of spare parts and filters to properly maintain equipment.

Receives written work orders or verbal instructions from the Field Director, Fleet Maintenance Supervisor, Assistant District Manager or District Manager.

Raises vehicle, with hydraulic jack or hoist, to gain access to mechanical units bolted to underside of vehicle.

Removes unit such as engine, transmission, or differential.

Disassembles unit and inspects parts for wear.

Repairs or replaces parts such as pistons, rods, gears, valves, and bearings.

Overhauls or replaces carburetors, blowers, generators, distributors, starters, and pumps.

Rewires ignition system, lights, and instrument panel.

Relines and adjusts brakes, aligns front end, repairs or replaces shock absorbers, and solders leaks in radiator.

Recommends damaged body repairs to management.

Replaces and adjusts headlights, and installs and repairs accessories such as radios, heaters, mirrors, and windshield wipers.

Welds metal parts together using both gas welding or brazing and any combination of our welding processes.

Performs related tasks such as thermal cutting and grinding.

Repairs broken or cracked parts, fills holes, and increases size of metal parts.

Positions and clamps together components of fabricated metal products preparatory to welding.

Fills container such as oilcan, grease gun, or tank of lubrication truck with specified lubricant.

Squirts or pours oil on moving parts and friction surfaces, or into holes, oil cups, or reservoirs.

Turns oil cup valves to regulate flow of oil to moving parts.

Forces grease into bearings with grease gun, smears grease on friction surfaces, or packs grease cups by hand.

Fills wells and sumps of lubricating systems with oil.

Cleans machines, sweep floors, and transport stock.

Performs necessary repairs and maintenance to all district equipment.

Verifies conformance to specifications.

Overhauls gas or diesel engines.

Examines protective guards, loose bolts, and specified safety devices on trucks, and makes adjustments.

Assembles fluid power components such as pumps, cylinders, valves, reservoirs, motors, accumulators, filters, and controls.

Operates lowboy tractor-trailer to transport equipment to and from job sites.

Delivering and dispensing fuels, greases, oils and performs minor repairs on equipment.

Removes and replaces signs including but not limited to traffic, park and trespassing.

Replaces worn or damaged parts such as hoses, wiring, and belts, in machines and equipment.

Cuts grass and trim weeds on District property or easements.

Cleans buildings, paints interior and exterior walls and trim, washes windows, and empties trash cans.

Maintains water control facilities by cleaning debris, installing or removing boards to manipulate water level.

Other duties that may be required but are not limited to the operation of district equipment within the fleet. May perform additional duties when called upon by department heads.

LANGUAGE SKILLS: Ability to read and interpret documents such as safety rules, operating and maintenance instructions, and procedure manuals. Ability to write routine reports and correspondence. Ability to speak effectively before groups of customers or employees of organization. May be given skills assessment test.

MATHEMATICAL SKILLS: Ability to calculate figures and amounts such as discounts, interest, commissions, proportions, percentages, area, circumference, and volume. Ability to apply concepts of basic algebra and geometry. May be given skills assessment test**.**

REASONING ABILITY: Ability to apply common sense understanding to carry out instructions furnished in written, oral, or diagram form. Ability to deal with problems involving several concrete variables in standardized situations.

Ability to apply common sense understanding to carry our instructions furnished in written, oral, or diagram form. Ability to deal with problems involving several concrete variables in standardized situations. Ability to identify nonnative and noxious vegetation. Ability to use surveyor's level to determine precise location and measurements of points, elevations, lines, areas, and contours for construction. May be given skills assessment test.

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 frequently required to stand; walk; use hands to finger, handle, or feel; reach with hands and arms; and talk or hear. The employee is occasionally required to sit; climb or balance; stoop, kneel, crouch, or crawl; and taste or smell. The employee must frequently lift and/or move up to 50 pounds and occasionally lift and/or move up to 100 pounds. Specific vision abilities required by this job include close vision, distance vision, color vision, peripheral vision, and depth perception.

WORK ENVIRONMENT: 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 regularly exposed to moving mechanical parts. The employee is frequently exposed to wet and/or humid conditions, fumes or airborne particles, extreme heat, and risk of electrical shock. The employee is occasionally exposed to high, precarious places; toxic or caustic chemicals; outside weather conditions; extreme cold; and vibration. The noise level in the work environment is usually loud.

Lehigh Acres Municipal Services Improvement District
Job Description

Job Title:	Assistant Mechanic IV
Department:	2-Field/Canal Maintenance
Pay Grade	14
Reports To:	Fleet Maintenance Supervisor
FLSA Status:	Non-Exempt
Bargaining Status:	Bargaining
Prepared By:	Human Resources, Mike Cook, Bill Walker
Prepared Date:	April 23, 2026
Approved By:	Board of Commissioners

SUMMARY: Highly skilled and specialized mechanical work in the maintenance and repair of a variety of automobiles, large trucks, heavy equipment, diesel repairs, and specialized equipment.

EDUCATION AND EXPERIENCE: High school diploma or general education degree (GED); Eight (8) years related experience and documented training; or equivalent combination of education and experience.

CERTIFICATES, LICENSES, REGISTRATIONS:

External Hires: Must maintain all certifications, licenses, and registrations required for the lower-level mechanics. Class "B" CDL license with Hazmat endorsement required; Class "A" CDL with Hazmat endorsement within 90 days.

Any certifications, licenses, etc. required as part of the job, are the responsibility of the employee during the 90-day probationary period; once an employee has reached regular status they may submit these certifications for reimbursement.

All licenses, certifications, etc. must be kept current and active unless otherwise documented from the department head.

Internal Hires: Must maintain all certifications, licenses, and registrations required for the lower-level mechanics. Class "A" CDL license with Hazmat endorsement required.

May be called upon by management to receive additional training to keep up with the District's growing fleet and needs.

All licenses, certifications, etc. must be kept current and active unless otherwise documented from the department head.

SUPERVISORY RESPONSIBILITIES: May be required by management to lightly supervise lower-level field personnel during repairs.

QUALIFICATIONS: 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.

ESSENTIAL DUTIES AND RESPONSIBILITIES:
Duties may include, but are not limited to the following:

Recommend equipment purchases and replacements to management.

Reports machinery defects or malfunctions to supervisor.

Maintains and keeps supply of spare parts and filters to properly maintain equipment.

Receives written work orders or verbal instructions from the Field Director, assigned Supervisor, Assistant District Manager or District Manager.

Raises vehicle, with hydraulic jack or hoist, to gain access to mechanical units bolted to underside of vehicle.

Removes unit such as engine, transmission, or differential.

Disassembles unit and inspects parts for wear.

Repairs or replaces parts such as pistons, rods, gears, valves, and bearings.

Overhauls or replaces carburetors, blowers, generators, distributors, starters, and pumps.

Rewires ignition system, lights, and instrument panel.

Relines and adjusts brakes, aligns front end, repairs or replaces shock absorbers, and solders leaks in radiator.

Recommends damaged body repairs to management.

Replaces and adjusts headlights, and installs and repairs accessories such as radios, heaters, mirrors, and windshield wipers.

Welds metal parts together using both gas welding or brazing and any combination of our welding processes.

Performs related tasks such as thermal cutting and grinding.

Repairs broken or cracked parts, fills holes, and increases size of metal parts.

Positions and clamps together components of fabricated metal products preparatory to welding.

Fills container such as oilcan, grease gun, or tank of lubrication truck with specified lubricant.

Squirts or pours oil on moving parts and friction surfaces, or into holes, oil cups, or reservoirs.

Turns oil cup valves to regulate flow of oil to moving parts.

Forces grease into bearings with grease gun, smears grease on friction surfaces, or packs grease cups by hand.

Fills wells and sumps of lubricating systems with oil.

Cleans machines, sweep floors, and transport stock.

Performs necessary repairs and maintenance to all district equipment.

Verifies conformance to specifications.

Overhauls gas or diesel engines.

Examines protective guards, loose bolts, and specified safety devices on trucks, and makes adjustments.

Assembles fluid power components such as pumps, cylinders, valves, reservoirs, motors, accumulators, filters, and controls.

Operates lowboy tractor-trailer to transport equipment to and from job sites.

Delivering and dispensing fuels, greases, oils and performs minor repairs on equipment.

Removes and replaces signs including but not limited to traffic, park and trespassing.

Replaces worn or damaged parts such as hoses, wiring, and belts, in machines and equipment.

Cuts grass and trim weeds on District property or easements.

Cleans buildings, paints interior and exterior walls and trim, washes windows, and empties trash cans.

Maintains water control facilities by cleaning debris, installing or removing boards to manipulate water level.

Other duties that may be required but are not limited to the operation of district equipment within the fleet. May perform additional duties when called upon by department heads.

LANGUAGE SKILLS: Ability to read and interpret documents such as safety rules, operating and maintenance instructions, and procedure manuals. Ability to write routine reports and correspondence. Ability to speak effectively before groups of customers or employees of organization. May be given skills assessment test.

MATHEMATICAL SKILLS: Ability to calculate figures and amounts such as discounts, interest, commissions, proportions, percentages, area, circumference, and volume. Ability to apply concepts of basic algebra and geometry. May be given skills assessment test**.**

REASONING ABILITY: Ability to apply common sense understanding to carry out instructions furnished in written, oral, or diagram form. Ability to deal with problems involving several concrete variables in standardized situations.

Ability to apply common sense understanding to carry our instructions furnished in written, oral, or diagram form. Ability to deal with problems involving several concrete variables in standardized situations. Ability to identify nonnative and noxious vegetation. Ability to use surveyor's level to determine precise location and measurements of points, elevations, lines, areas, and contours for construction. May be given skills assessment test.

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 frequently required to stand; walk; use hands to finger, handle, or feel; reach with hands and arms; and talk or hear. The employee is occasionally required to sit; climb or balance; stoop, kneel, crouch, or crawl; and taste or smell. The employee must frequently lift and/or move up to 50 pounds and occasionally lift and/or move up to 100 pounds. Specific vision abilities required by this job include close vision, distance vision, color vision, peripheral vision, and depth perception.

WORK ENVIRONMENT: 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 regularly exposed to moving mechanical parts. The employee is frequently exposed to wet and/or humid conditions, fumes or airborne particles, extreme heat, and risk of electrical shock. The employee is occasionally exposed to high, precarious places; toxic or caustic chemicals; outside weather conditions; extreme cold; and vibration. The noise level in the work environment is usually loud.

Grounds Maintenance Career Progression Policy

The District believes that in the Grounds Maintenance job classification series, a career progression system based primarily on demonstrated experience, practical skills, and on-the-job performance—rather than formal education—best serves the needs of the District and its employees.

Policy Goal The goals of this career progression policy are to:

- Recognize and reward employees who consistently deliver outstanding work performance;
- Encourage continuous learning and the demonstration of competency in additional skills;
- Remove unnecessary barriers for talented individuals who may lack traditional academic credentials;
- Promote internal advancement opportunities and improve employee retention.

Progression Requirements Advancement from one classification level to the next within the Grounds Maintenance series will be determined by the District Manager and requires the employee to meet the following criteria:

- Sufficient years of experience in the current role or similar roles;
- Successful completion of all assigned training;
- Demonstrated proficiency in the operation and maintenance of required equipment.

This policy applies exclusively to all full-time employees in the following job classifications in Grounds Maintenance series: Grounds Maintenance Worker; Grounds Maintenance Technician I; and Ground Maintenance Technician II.

By emphasizing skills and proven performance over traditional educational qualifications, this skills-based approach expands opportunities for a broader range of qualified candidates, helps address workforce shortages, and supports the retention of skilled employees.

Lehigh Acres Municipal Services Improvement District
Job Description

Job Title:	Grounds Maintenance Technician I
Department:	2-Field
Pay Grade:	7
Reports To:	Field Director
FLSA Status:	Non-Exempt
Bargaining Status:	Bargaining
Prepared By:	District Manager/HR
Prepared Date:	November 13,2019
Approved By:	Board of Commissioners
Modified Date:	April 30,2026

SUMMARY:
The duties of the grounds maintenance technician include but are not limited to: maintaining District headquarters, parks, canal rights-of-way and related facilities, etc. The GMT performs the following: leaf blowing, weedeating, mulching, mowing including use of chainsaws, tractors, etc.; pruning, landscaping, trimming bushes and trees; emptying trash receptacles and recyclables; picking up litter and debris; pavilion, boardwalk, and building inspections and maintenance., May lightly supervise temporary employees.

EDUCATION AND EXPERIENCE: High school diploma or general education degree (GED) is required. Two years of experience and/or training; or equivalent combination of education and experience preferred

CERTIFICATES, LICENSES, REGISTRATIONS:

Internal Hire: . This position qualifies for the Grounds Maintenance Career Progression Policy. Must possess a valid State of Florida driver's license E
Any certifications, licenses, etc. required as part of the job is the responsibility of the employee during the 90-day probationary period; once an employee has reached regular status they may submit these certifications for reimbursement. Must complete certification for Green Industries Best Management Practices (GI-BMPs) within one year or an approved substitution. Must complete Spill Response Course within 90 days of hire. Knowledge of 2 and 4 cycle engines.

All licenses, certifications, etc. must be kept current and active unless otherwise documented from the department head. All certifications and licenses must be complete before entering the position.

External Hire:
Must possess a valid State of Florida driver's license E.

Any certifications, licenses, etc. required as part of the job is the responsibility of the employee during the 90-day probationary period; once an employee has reached regular status they may submit these certifications for reimbursement.

Must complete certification for Green Industries Best Management Practices (GI-BMPs) within one year or an approved substitution. Must complete Spill Response Course within 90 days of hire. Knowledge of 2 and 4 cycle engines. All certifications are a requirement of the position, and the position is not permanent until these are satisfied. Extensions may be provided upon department head/district manager approval to allow for scheduling or budgetary issues.

All licenses, certifications, etc. must be kept current and active unless otherwise documented from the department head.

SUPERVISORY RESPONSIBILITIES: May be required to lightly supervise some field personnel on specific projects.

QUALIFICATIONS: 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.

ESSENTIAL DUTIES AND RESPONSIBILITIES: include the following:
Other duties may be assigned.

Receives written work orders or verbal instructions from the Field Director.

Cut grass and trim weeds on District property and District owned parks.

On a daily basis, instruct and lightly direct seasonal work crews of one to 6 employees with the Field Director providing oversight.

Operate a variety of maintenance equipment necessary to maintain and repair grounds and facilities. Examples of equipment would include a variety of mowers and tractors with trailers or weed eaters, blowers, edger's, chain saws, brush chippers and pressure washers, etc.

Maintains shrub and turf areas necessary to maintain and improve the appearance and quality of District property which includes parks, right-of-ways, etc. Remove litter and debris from District property.

Install and maintain trees, turf and shrub beds and irrigation systems.

May operate slope mower, flat mower, or other types of heavy equipment. Maintains District owned parks, right-of-way's, by picking up trash, empty trash cans, spray weeds, mulch around plants, trim bushes/trees, paint/cover graffiti, sweep sidewalks, maintain shelters, maintain picnic tables, maintain/replace signs, maintain parking lots and grills, etc.

Treat/Remove exotic vegetation from within the Districts property, right-of-ways, parks and preserves by hand or by applying herbicide.

Clean exterior of buildings, walkways, steps, windows, and trash cans.

Paint interior/exterior of buildings and facilities as needed.

Replace light bulbs, ac filters, water filters, and soap dispensers.

Cleans maintenance buildings/repairs, etc.

Able to speak clearly and courteously to any residents that may be encountered in the performance of your job.

Other duties that are required but not limited to are:

Fuel, add/change oil and perform minor repairs on equipment.

Load fallen tree branches, clippings and trash into trailers or dump trucks.

Maintains District owned signs.

Maintains and installs seasonal décor

Install and maintain trees, turf and shrub beds, and irrigation systems.

Maintain administration vehicles such as: washing, waxing, vacuuming, and cleaning windows on vehicles.

Install and maintain structures such as fences, gates, barriers, etc. at District owned parks and property.

LANGUAGE SKILLS: Must have the ability to read and comprehend District simple instructions, short correspondence, memos, emails and written work orders. Must have the ability to read and interpret documents such as safety rules, herbicide usage guidelines, equipment operating and maintenance instructions and manuals. Must have the ability to write simple correspondence and complete work order forms for record purposes. May be given a skills assessment test. Bi-lingual in English and Spanish preferred.

MATHEMATICAL SKILLS: Must have the ability to add, subtract, multiply, and divide in all units of measure, using whole numbers, common fractions, and decimals. May be given a skills assessment test.

REASONING ABILITY: Must have the ability to apply common sense in understanding instructions furnished in written, oral or diagram form. May be given a skills assessment test.

PHYSICAL DEMANDS: The physical demands described herein 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 walk on canal slopes and uneven ground for extended periods of time. The employee frequently is required to use hands to finger, handle, or feel and reach with hands and arms. The employee is occasionally required to sit; climb or balance; stoop, kneel, crouch, or crawl; and talk or hear. The employee must occasionally lift and/or move up to 50 pounds. The employee is required to wear specific safety equipment such as safety glasses and hearing protection. Specific vision abilities required by this job include close vision, distance vision, color vision, peripheral vision, depth perception and ability to adjust focus.

WORK ENVIRONMENT: 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 regularly exposed to wet and/or humid conditions; moving mechanical parts; high, precarious places; extreme heat; and vibration. The employee is frequently exposed to fumes or airborne particles, outside weather conditions, and extreme heat. The employee is occasionally exposed to toxic or caustic chemicals and risk of electrical shock. The noise level in the work environment is usually loud. The employee will occasionally be required to wear safety equipment. This equipment will be dictated by the type of work or work environment.

Change Log:

- Changed East County Water Control District to Lehigh Acres Municipal Services Improvement District in title.
- Changes font to Times New Roman.

Lehigh Acres Municipal Services Improvement District
Job Description

Job Title:	Grounds Maintenance Technician II
Department:	2-Field
Pay Grade:	9
Reports To:	Field Director
FLSA Status:	Non-Exempt
Bargaining Status:	Bargaining
Prepared By:	District Manager/HR
Prepared Date:	June 28,2022
Approved By:	Board of Commissioners
Modified Date:	April 30, 2026
Modified Date:	

SUMMARY: The grounds maintenance technician is responsible for maintaining District headquarters and parks facilities. The GMT II performs the following duties:

EDUCATION AND EXPERIENCE: High school diploma or general education degree (GED) is required. Four years of experience and/or training; or equivalent combination of education and experience preferred.

CERTIFICATES, LICENSES, REGISTRATIONS:

Internal Hire: . This position qualifies for the Grounds Maintenance Career Progression Policy. Must possess a valid State of Florida driver's license E
Any certifications, licenses, etc. required as part of the job is the responsibility of the employee during the 90-day probationary period; once an employee has reached regular status they may submit these certifications for reimbursement. Must complete certification for Green Industries Best Management Practices (GI-BMPs) within one year or an approved substitution. Must complete Spill Response Course within 90 days of hire. Knowledge of 2 and 4 cycle engines. Must pass a test in knowledge and operation of remote-controlled slope mower.

All licenses, certifications, etc. must be kept current and active unless otherwise documented from the department head. All certifications and licenses must be complete before entering the position.

External Hire:
Must possess a valid State of Florida driver's license E.

Any certifications, licenses, etc. required as part of the job is the responsibility of the employee during the 90-day probationary period; once an employee has reached regular status they may submit these certifications for reimbursement.

Must complete certification for Green Industries Best Management Practices (GI-BMPs) within one year or an approved substitution. Must complete Spill Response Course within 90 days of hire.

Knowledge of 2 and 4 cycle engines. All certifications are a requirement of the position, and the position is not permanent until these are satisfied. Extensions may be provided upon department head/district manager approval to allow for scheduling or budgetary issues.
Must pass a test in knowledge and operation of remote controlled slope mower.

All licenses, certifications, etc. must be kept current and active unless otherwise documented from the department head.

SUPERVISORY RESPONSIBILITIES: May be required to lightly supervise some field personnel on specific projects.

QUALIFICATIONS: 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.

ESSENTIAL DUTIES AND RESPONSIBILITIES: include the following:
Other duties may be assigned.

Receives written work orders or verbal instructions from the Field Director. .

Cut grass and trim weeds on District property and District owned parks.

On a daily basis, instruct and lightly direct seasonal work crews of one to 6 employees with the Field Director providing oversight.

Operate a variety of maintenance equipment necessary to maintain and repair grounds and facilities. Examples of equipment would include a variety of mowers and tractors with trailers or weed eaters, blowers, edger's, chain saws, brush chippers and pressure washers, etc.

Maintains shrub and turf areas necessary to maintain and improve the appearance and quality of District property which includes parks, right-of-ways, etc. Remove litter and debris from District property.

Install and maintain trees, turf and shrub beds and irrigation systems.

May operate slope mower, flat mower, or other types of heavy equipment. Maintains District owned parks, right-of-ways, by picking up trash, empty trash cans, spray weeds, mulch around plants, trim bushes/trees, paint/cover graffiti, sweep sidewalks, maintain shelters, maintain picnic tables, maintain/replace signs, maintain parking lots and grills, etc.

Treat/Remove exotic vegetation from within the Districts property, right-of-ways, parks and preserves by hand or by applying herbicide.

Clean exterior of buildings, walkways, steps, windows, and trash cans.

Paint interior/exterior of buildings and facilities as needed.

Replace light bulbs, ac filters, water filters, and soap dispensers.

Cleans maintenance buildings/repairs, etc

Able to speak clearly and courteously to any residents that may be encountered in the performance of your job.

Other duties that are required but not limited to are:

Fuel, add/change oil and perform minor repairs on equipment.

Load fallen tree branches, clippings and trash into trailers or dump trucks.

Maintains District owned signs.

Install and maintain trees, turf and shrub beds, and irrigation systems.

Maintain administration vehicles such as: washing, waxing, vacuuming, and cleaning windows on vehicles.

Install and maintain structures such as fences, gates, barriers, etc. at District owned parks and property.

LANGUAGE SKILLS: Must have the ability to read and comprehend District simple instructions, short correspondence, memos, emails and written work orders. Must have the ability to read and interpret documents such as safety rules, herbicide usage guidelines, equipment operating and maintenance instructions and manuals. Must have the ability to write simple correspondence and complete work order forms for record purposes. May be given a skills assessment test. Bi-lingual in English and Spanish preferred.

MATHEMATICAL SKILLS: Must have the ability to add, subtract, multiply, and divide in all units of measure, using whole numbers, common fractions, and decimals. May be given a skills assessment test.

REASONING ABILITY: Must have the ability to apply common sense in understanding instructions furnished in written, oral or diagram form. May be given a skills assessment test.

PHYSICAL DEMANDS: The physical demands described herein 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 walk on canal slopes and uneven ground for extended periods of time. The employee frequently is required to use hands to finger, handle, or feel and reach with hands and arms. The employee is occasionally required to sit; climb or balance; stoop, kneel, crouch, or crawl; and talk or hear. The employee must occasionally lift and/or move up to 50 pounds. The employee is required to wear specific safety equipment such as safety glasses and hearing protection. Specific vision abilities required by this job include close vision, distance vision, color vision, peripheral vision, depth perception and ability to adjust focus.

WORK ENVIRONMENT: 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 regularly exposed to wet and/or humid conditions; moving mechanical parts; high, precarious places; extreme heat; and vibration. The employee is frequently exposed to fumes or airborne particles, outside weather conditions, and extreme heat. The employee is occasionally exposed to toxic or caustic chemicals and risk of electrical shock. The noise level in the work environment is usually loud. The employee will occasionally be required to wear safety equipment. This equipment will be dictated by the type of work or work environment.

Change Log:

- Changed East County Water Control District to Lehigh Acres Municipal Services Improvement District in title.
- Changes font to Times New Roman.

Lehigh Acres Municipal Services Improvement District
Job Description

Job Title:	**Heavy Equipment Operator I**
Department:	2-Field/Canal Maintenance
Pay Level:	6
Reports To:	Assistant District Manager
FLSA Status:	Non-Exempt
Bargaining Status:	Bargaining
Prepared By:	David E. Lindsay
Prepared Date:	8/31/98
Approved By:	Board of Commissioners
Modified Date:	May 15, 2017 April 21,2026

SUMMARY: This is a full-time, safety-sensitive position requiring the operation of at least two types of heavy equipment, while maintaining the water control system and other infrastructure of the District. Candidate must hold a valid CDL, and strictly follow OSHA/DOT safety protocols.

EDUCATION AND EXPERIENCE: This is an entry level position. Three to six months related experience and/or training. High school diploma or general education degree (GED) preferred. Or equivalent combination of education and experience.

CERTIFICATES, LICENSES, REGISTRATIONS:

External Hires: Must possess a Class "B" CDL license. Must certify on two (2) types of heavy equipment within 90 days. Must complete Spill Response training within 90 days.

Any certifications, licenses, etc. required as part of the job, are the responsibility of the employee during the 90-day probationary period; once an employee has reached regular status they may submit these certifications for reimbursement.

All licenses, certifications, etc. must be kept current and active unless otherwise documented from the department head.

Internal Hire: Must possess a CDL "B" license. Must be certified on two (2) types of heavy equipment. Must hold a Spill Response certification.

All licenses, certifications, etc. must be kept current and active unless otherwise documented from the department head.

SUPERVISORY RESPONSIBILITIES: None.

QUALIFICATIONS: 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.

ESSENTIAL DUTIES AND RESPONSIBILITIES:
Duties may include, but are not limited to the following:

Receives written work orders or verbal instructions from the immediate Field Director, assigned Supervisor, Assistant District Manager or District Manager.

Operation of District heavy equipment which includes but is not limited to:

Operates track hoe to clean canals & ditches & slope banks.

Operates rubber-tired front-end loader, equipped with front-mounted hydraulically powered bucket used to scoop or lift and load bulk materials into dump truck for transport to and from storage areas. May be equipped with front-mounted rake attachment used to clear land.

Operates bulldozer equipped with concave blade attached across the front to gouge out, level and distribute earth and push trees and rocks from an area, making several passes and bringing the area to a finished grade.

Operates rubber-tired loader backhoe to repair District rights-of-way, clean canals, ditches & slope banks. Loads dirt or debris into dump truck.

Operates grader to perform minor clearing or dressing canal rights-of-way.

Operates weed harvester for aquatic plant removal from water bodies.

Other heavy equipment operations may be called upon.

Operation of District mowing equipment which includes but is not limited to:

Operates tractor to cut grass with bat-wing implement or slope mower attachment. Moves levers and/or steering wheel to control tool bars or attachments to a clear right-of-way. May be outfitted or equipped with necessary attachments to apply herbicide.

Operator may be required to fasten attachments to tractor with clevis or wedge pin hitches.

Operator may be required to connect hydraulic hoses, belts, mechanical linkage, or power take-off shaft to tractor to provide power to raise, lower or tilt attachments.

Other duties that may be required but not limited to:

Fuels, greases, oils and performs minor repairs on equipment.

Loads fallen tree limbs and roadside trash into dump truck.

Repairs streets with asphalt, cold patching materials and concrete.

Removes and replaces signs including but not limited to traffic, park and trespassing.

Replaces worn or damaged parts such as hoses, wiring and belts in machines and equipment.

Cuts grass and trims weeds on District property or easements.

Cleans buildings, paints interior and exterior walls and trim, washes windows and empties trash cans.

Applies herbicides using various application methods/equipment.

Fills sprayer tank with water and chemicals according to formula.

Pulls spray hose from boat, tractor or truck-mounted reel, turns knob, presses lever and points nozzle selected according to job site characteristics, such as type of infestation, wind direction and velocity, plantings and terrain, to spray plants.

Occasionally manipulates levers that control hydraulically powered, boat, tractor, or truck-mounted boom to position spray wands and release chemical solutions under pressure to spray ground areas.

Maintains Water Control facilities by cleaning debris, installing or removing boards to manipulate water level.

Other duties that may be required but are not limited to the operation of district equipment within the fleet. May perform additional duties when called upon by department heads.

LANGUAGE SKILLS: Ability to read and comprehend simple instructions, short correspondence, and memos. Ability to read and interpret documents such as safety rules, operating and maintenance instructions and manuals. Ability to write simple correspondence. Ability to effectively present information in one-on-one and small group situations to other employees of the District. May be given a skills assessment test.

MATHEMATICAL SKILLS: Ability to add, subtract, multiply, and divide in all units of measure, using whole numbers, common fractions, and decimals. Ability to compute rate,

ratio, and percent and to draw and interpret bar graphs. May be given a skills assessment test.

REASONING ABILITY: Ability to apply common sense understanding to carry out instructions furnished in written, oral or diagram form. Ability to deal with problems involving several concrete variables in standardized situations. May be given a skills assessment test.

PHYSICAL DEMANDS: The physical demands described herein 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 sit. The employee frequently is required to use hands to finger, handle, or feel and reach with hands and arms. The employee is occasionally required to stand; walk; climb or balance; stoop, kneel, crouch, or crawl; and talk or hear. The employee must occasionally lift and/or move up to 50 pounds. The employee is occasionally required to walk on uneven and sloping grounds (ditch-banks). Specific vision abilities required by this job include close vision, distance vision, color vision, peripheral vision, depth perception and ability to adjust focus.

WORK ENVIRONMENT: 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 regularly exposed to wet and/or humid conditions; moving mechanical parts; high, precarious places; extreme heat; and vibration. The employee is frequently exposed to fumes or airborne particles, outside weather conditions, and extreme cold. The employee is occasionally exposed to toxic or caustic chemicals and risk of electrical shock. The noise level in the work environment is usually loud. The employee will occasionally be required to wear safety equipment. This equipment will be dictated by the type of work or work environment.

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

AGENDA ITEM SUMMARY

Subject: 2026 Legislative Appropriation

Meeting Date: May 18, 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 discuss the RISE appropriation.

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

Dave

Subject: Leeland Bottomless Lake Building

Meeting Date: May 18, 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 for a forum to discuss constructing the building at the Leeland Bottomless Lake

3 Fiscal Impact:

4 Staff comments:

5 Staff review and recommended approval:

☒ **MANAGER** ☒ **ASSISTANT DISTRICT MGR**

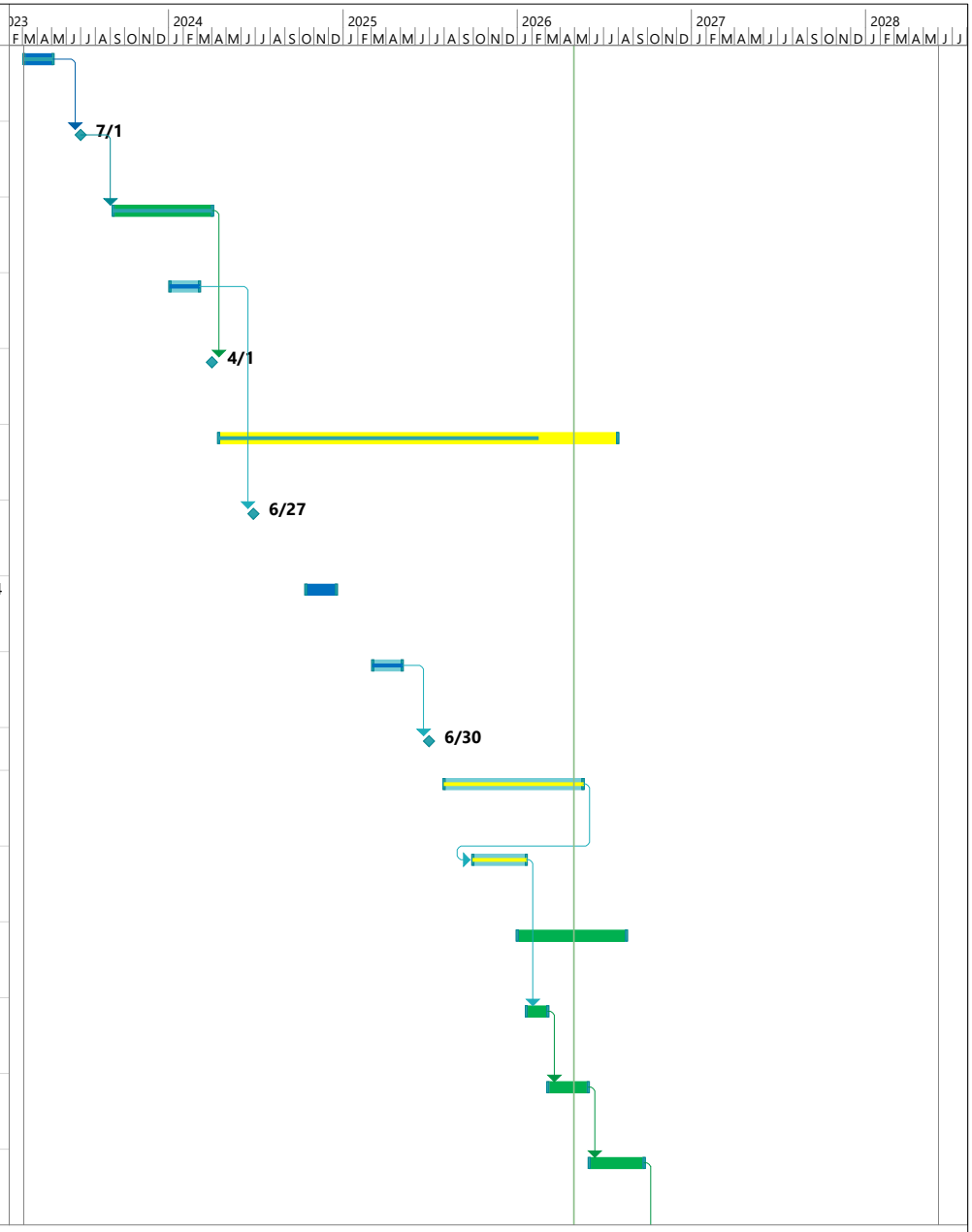
☒ **ATTORNEY** ☐ **FIELD DIRECTOR**

☐ **ENGINEER** ☐ **FINANCE DIRECTOR**

6 Board Action:

☐ **APPROVED** ☐ **DENIED** ☐ **DEFERRED**

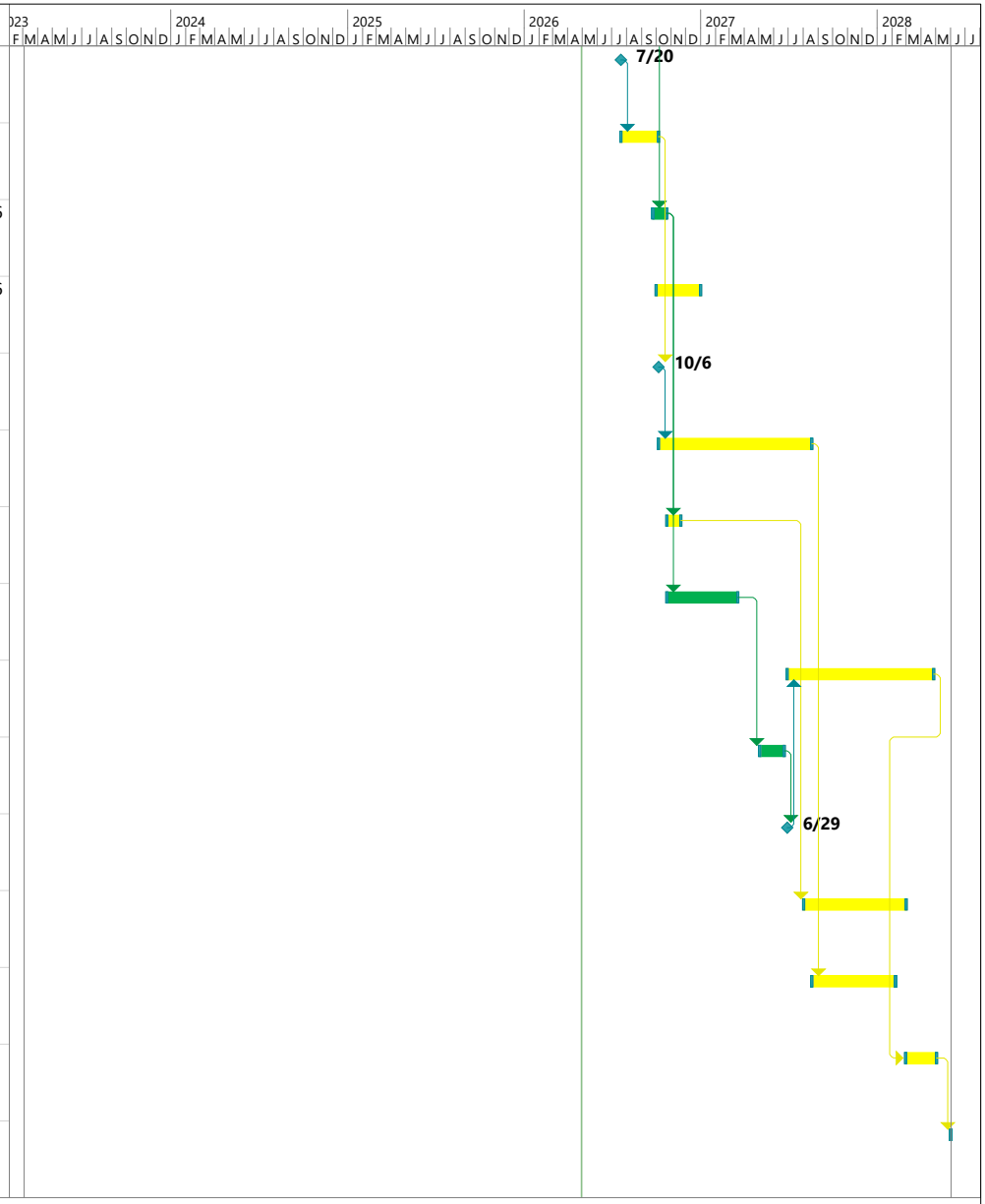
ID	Task Mode	LEELAND BOTTOMLESS LAKE DEVELOPMENT	Duration	Start	Finish
1		Sinkhole Legislative Appropriation to Purchase	44 days	Sat 3/4/23	Wed 5/3/23
2		Governor's Approval	0 days	Sat 7/1/23	Sat 7/1/23
3		FDEP Contract to Purchase 19 Acres	148 days	Thu 9/7/23	Mon 4/1/24
6		Sinkhole Legislative Appropriation for Interpretive Center & Dev. 1	44 days	Thu 1/4/24	Tue 3/5/24
4		Purchase of Sinkhole	0 days	Mon 4/1/24	Mon 4/1/24
5		Eradication of Non-native Vegetation	599 days	Mon 4/15/24	Thu 7/30/26
7		Governor's Veto	0 days	Thu 6/27/24	Thu 6/27/24
10		Gain Consent from Lee County	46 days	Tue 10/15/24	Tue 12/17/24
8		Sinkhole Legislative Appropriation for Interpretive Center & Dev. 2	45 days	Tue 3/4/25	Sun 5/4/25
9		Governor's Approval	0 days	Mon 6/30/25	Mon 6/30/25
29		Letter from FDEP Citing Potential Limitation of New Interpretive Center on Sinkhole Parcel	207 days	Fri 8/1/25	Mon 5/18/26
12		Board Discussion of Interpretive Center Options	80 days	Tue 9/30/25	Mon 1/19/26
13		Negotiation and Agreement with Condo Assn.	163 days	Thu 1/1/26	Mon 8/17/26
11		LLW Discussions with FDEP Attorneys	33 days	Tue 1/20/26	Thu 3/5/26
19		FDEP Attorney Determination Letter of approval for Interpretive Center on Sinkhole Parcel	61 days	Fri 3/6/26	Fri 5/29/26
14		Negotiation, Approval of Grant Agreement	83 days	Mon 6/1/26	Wed 9/23/26



Project: Leeland Lake Gantt Cha
Date: Thu 4/30/26

Task	Project Summary	Manual Task	Start-only	Deadline
Split	Inactive Task	Duration-only	Finish-only	Progress
Milestone	Inactive Milestone	Manual Summary Rollup	External Tasks	Manual Progress
Summary	Inactive Summary	Manual Summary	External Milestone	

ID	Task Mode	LEELAND BOTTOMLESS LAKE DEVELOPMENT	Duration	Start	Finish
18		Hire Attorney to help formulate Friends of Leeland Bottomless Lake	0 days	Mon 7/20/26	Mon 7/20/26
20		Develop Documents for Friends Group and Approval	56 days	Mon 7/20/26	Mon 10/5/26
16		Hire Design, Build Contractor for Interpretive Center	21 days	Thu 9/24/26	Thu 10/22/26
17		Advertisement and Build Fence	66 days	Thu 10/1/26	Thu 12/31/26
15		Inaugural Meeting of the Friends of Leland Bottomless Lake	0 days	Tue 10/6/26	Tue 10/6/26
31		Application for Exploration Funding	227 days	Tue 10/6/26	Wed 8/18/27
21		AIM Contract & Design of Site Plan	21 days	Fri 10/23/26	Fri 11/20/26
22		Interpretive Center Planning and Final Design	105 days	Fri 10/23/26	Thu 3/18/27
26		Construction of Site	217 days	Tue 6/29/27	Wed 4/26/28
24		RFP and Hiring for Local Contractor to Build	37 days	Mon 5/3/27	Tue 6/22/27
25		Ribbon-cutting Ceremony	0 days	Tue 6/29/27	Tue 6/29/27
23		Construction of Interpretive Center	152 days	Mon 8/2/27	Tue 2/29/28
30		Initiation of Scientific Exploration	123 days	Thu 8/19/27	Mon 2/7/28
27		Equipment Purchase	46 days	Tue 2/29/28	Tue 5/2/28
28		Grand Opening of Interpretive Center	1 day	Thu 6/1/28	Thu 6/1/28



Project: Leeland Lake Gantt Cha
Date: Thu 4/30/26

Task	Project Summary	Manual Task	Start-only	Deadline
Split	Inactive Task	Duration-only	Finish-only	Progress
Milestone	Inactive Milestone	Manual Summary Rollup	External Tasks	Manual Progress
Summary	Inactive Summary	Manual Summary	External Milestone

BOUNDARY SURVEY

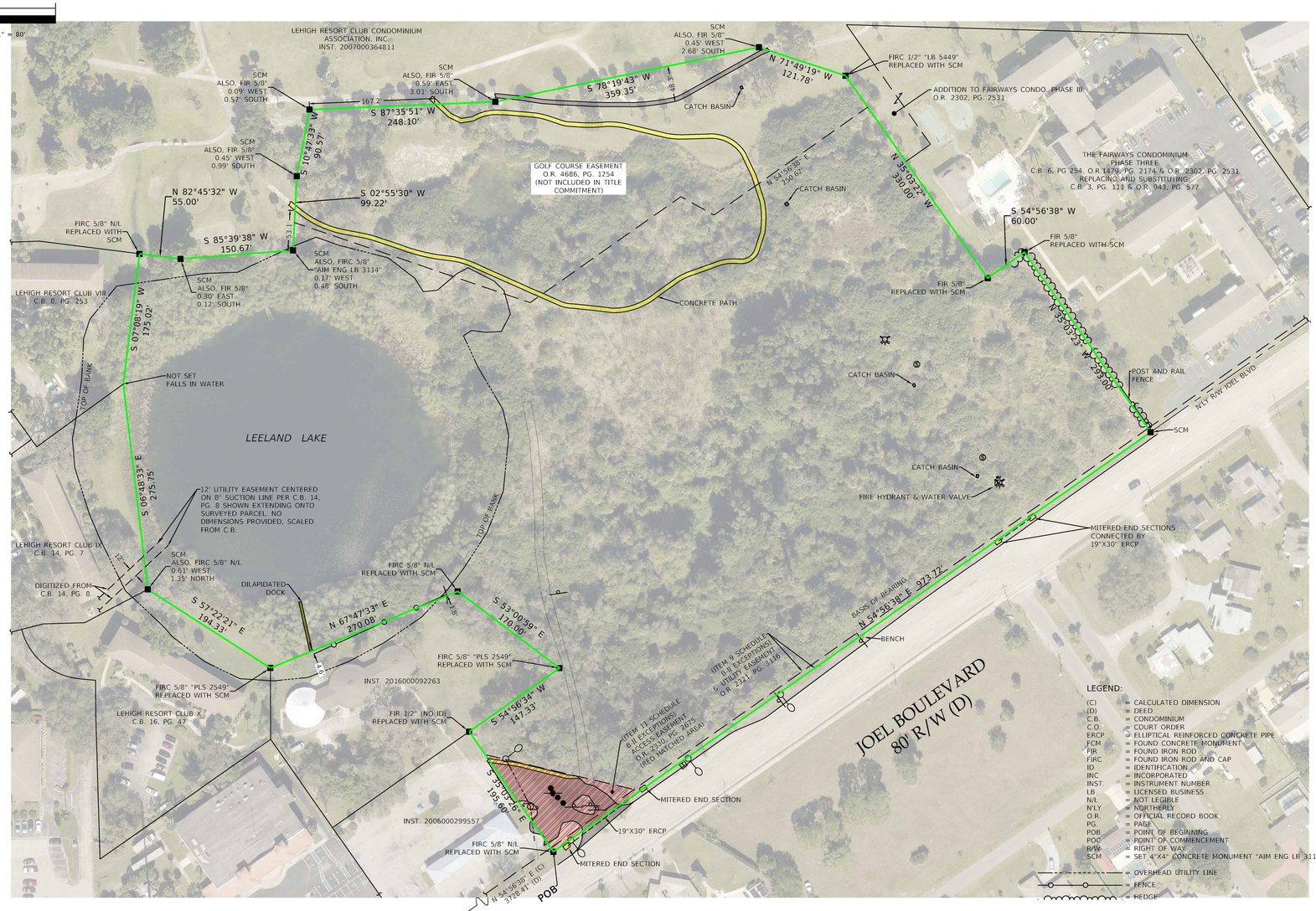
LEELAND LAKE PARCEL

SECTION 34, TOWNSHIP 44 SOUTH, RANGE 27 EAST

LEHIGH ACRES, FLORIDA

80 0 40 80 160

INTENDED DISPLAY SCALE: 1" = 80'



LEGEND:

(C)	= CALCULATED DIMENSION
(D)	= DEED
C.B.	= CONDOMINIUM
C.O.	= COURT ORDER
ERCP	= ELLIPTICAL REINFORCED CONCRETE PIPE
FCM	= FOUND CONCRETE MONUMENT
FIR	= FOUND IRON ROD
FIRC	= FOUND IRON ROD AND CAP
ID	= IDENTIFICATION
INC	= INCORPORATED
INST.	= INSTRUMENT NUMBER
LB	= LICENSED BUSINESS
N/L	= NOT LEGIBLE
N'LY	= NORTHERLY
O.R.	= OFFICIAL RECORD BOOK
PG.	= PAGE
POB	= POINT OF BEGINNING
POC	= POINT OF COMMENCEMENT
R/W	= RIGHT OF WAY
SCM	= SET 4"X4" CONCRETE MONUMENT "AIM ENG LB 3114"
	= OVERHEAD UTILITY LINE
	= FENCE
	= HEDGE
	= BOLLARD
	= FIRE HYDRANT
	= LIGHT POLE
	= SEWER MANHOLE
	= SINGLE SUPPORT SIGN
	= TELEPHONE SERVICE RISER
	= WATER VALVE COVER
	= UTILITY POLE
	= ASPHALT
	= CONCRETE
	= DIRT DRIVEWAY

DESCRIPTION PER TITLE COMMITMENT:

A TRACT OF LAND, LYING IN SECTION 34, TOWNSHIP 44 SOUTH, RANGE 27 EAST, LEE COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHWEST CORNER OF SAID SECTION 34; THENCE NORTH 00°06'48" WEST ALONG THE WEST LINE OF SAID SECTION (BEARINGS RELATE TO THIS LINE AND ARE BASED ON THE PLAT OF GOLFVIEW ESTATES UNIT ONE AS RECORDED IN PLAT BOOK 15, PAGE 50 OF THE PUBLIC RECORDS OF LEE COUNTY, FLORIDA) 1405.40 FEET; TO THE NORTHERLY RIGHT-OF-WAY LINE OF JOEL BOULEVARD (80' RIGHT-OF- WAY); THENCE NORTH 88°58'52"EAST, ALONG SAID RIGHT-OF-WAY LINE, 15.80 FEET, TO THE POINT OF CURVATURE OF A TANGENT CURVE TO THE LEFT; THENCE EASTERLY AND NORTHEASTERLY ALONG SAID RIGHT-OF-WAY LINE, BEING A CURVE CONCAVE TO THE NORTHWEST, AND HAVING A CENTRAL ANGLE OF 33°52'54", A RADIUS OF 676.78 FEET, ALONG AN ARC LENGTH OF 400.21 FEET TO THE POINT OF TANGENCY; THENCE NORTH 55°05'58" EAST, ALONG SAID RIGHT-OF-WAY, 3728.41 FEET TO THE POINT OF BEGINNING OF THE LAND HEREIN DESCRIBED:

1. THENCE CONTINUE NORTH 55°05'58" EAST, ALONG SAID RIGHT-OF-WAY LINE, 973.72 FEET, TO THE SOUTHWESTERLY CORNER OF THE FAIRWAYS CONDOMINIUM, PHASE III;
2. THENCE NORTH 34°54'02" WEST, ALONG THE SOUTHWESTERLY PROPERTY LINE OF SAID FAIRWAYS CONDOMINIUM, 293.00 FEET;
3. THENCE SOUTH 55 °05'58" WEST, ALONG SAID PROPERTY LINE, 60.00 FEET;
4. THENCE NORTH 34°54'02" WEST, ALONG SAID PROPERTY LINE, 330.00 FEET;
5. THENCE NORTH 71°39'59" WEST, 121.78 FEET;
6. THENCE SOUTH 78°29'03" WEST, 359.35 FEET;
7. THENCE SOUTH 87°45'11" WEST, 248.10 FEET;
8. THENCE SOUTH 10°56'53" WEST, 90.57 FEET;
9. THENCE SOUTH 03°04'50" WEST, 99.22 FEET;
10. THENCE SOUTH 85°48'58" WEST, 150.67 FEET;
11. THENCE NORTH 82°36'12" WEST, 55.00 FEET, TO THE NORTHEAST CORNER OF LEHIGH RESORT CLUB VIII, A CONDOMINIUM, AS RECORDED IN CONDOMINIUM BOOK 8, PAGE 253-256, LEE COUNTY RECORDS;
12. THENCE SOUTH 07° 17'39" WEST, ALONG THE EAST LINE OF SAID LEHIGH RESORT CLUB VIII, 175.02 FEET, TO THE SOUTHEAST CORNER THEREOF;
13. THENCE SOUTH 06°39'13" EAST, ALONG THE EAST LINE OF LEHIGH RESORT CLUB IX, A CONDOMINIUM, AS RECORDED IN CONDOMINIUM BOOK 14, PAGE 7-10, LEE COUNTY RECORDS, 275.75 FEET, TO THE SOUTHEAST CORNER THEREOF;
14. THENCE SOUTH 57°13'01" EAST, ALONG THE NORTHEASTERLY LINE OF LEHIGH RESORT CLUB X, A CONDOMINIUM, AS RECORDED IN CONDOMINIUM BOOK 16, PAGE 47-51; LEE COUNTY RECORDS, 194.33 FEET, TO THE EASTERLY CORNER THEREOF;
15. THENCE NORTH 67°56'53" EAST, 270.08 FEET;
16. THENCE SOUTH 52°51'39" EAST, 170.00 FEET;
17. THENCE SOUTH 55°05'56" WEST, 147.33 FEET;
18. THENCE SOUTH 34°54'03" EAST, 195.60 FEET, TO THE POINT OF BEGINNING

NOTES:

1. THE SUBJECT PARCEL IS LOCATED AT 275 JOEL BOULEVARD, LEHIGH ACRES, FL.
2. BEARINGS BASED ON THE FLORIDA STATE PLANE COORDINATE SYSTEM, WEST ZONE, NORTH AMERICAN DATUM OF 1983(2011). THE NORTHWESTERLY RIGHT OF WAY LINE OF JOEL BOULEVARD, IS THE BASIS OF BEARINGS WHICH BEARS N 54°56'38" E.
3. ALL DISTANCES SHOWN ARE IN U.S. SURVEY FEET.
4. ALL PHYSICAL FEATURES SHOWN HEREON WERE LOCATED IN THE FIELD, UNLESS OTHERWISE NOTED, BY THE SURVEY FIELD CREW AS RECORDED IN FIELD BOOK(S): 1942 PAGES 58-61, (TBD); THE LAST DAY OF FIELD WORK WAS JUNE 27th, 2024.
5. NO UNDERGROUND UTILITIES OR IMPROVEMENTS, IF ANY, WERE LOCATED OTHER THAN SHOWN HEREON.
6. UNDERGROUND ENCROACHMENTS INCLUDING FOUNDATIONS (IF ANY) WERE NOT LOCATED.
7. NO WETLAND AREAS OR JURISDICTIONAL WETLANDS (IF ANY) WERE LOCATED FOR THIS SURVEY.
8. NO SEARCH FOR VISIBLE EVIDENCE OF EXISTING OR FORMER AREAS OF FACILITIES WHICH MAY HAVE INVOLVED USE OR STORAGE OF HAZARDOUS OR TOXIC SUBSTANCES WAS MADE.
9. SUBJECT PROPERTY: 19.95 ACRES (SURVEYED), MORE OR LESS.
10. THERE ARE CURRENTLY NO BUILDINGS ON THE SURVEYED PARCEL.
11. THIS SURVEY WAS PREPARED WITH THE BENEFIT OF OLD REPUBLIC NATIONAL TITLE INSURANCE COMPANY, COMMITMENT NUMBER: 1468003, HAVING AN EFFECTIVE DATE OF NOVEMBER 16, 2023 @ 11:00 P.M. PLEASE REFER TO SUMMARY OF SCHEDULE B - II EXCEPTIONS BELOW.
12. ALL RECORDING REFERENCES ARE TO THE PUBLIC RECORDS OF LEE COUNTY, FL.
13. AERIAL IMAGERY PROVIDED BY LEE COUNTY. SAID IMAGERY WAS FLOWN BETWEEN JANUARY 8th & MARCH 11th, 2024. IMAGERY IS SHOWN FOR INFORMATIONAL PURPOSES ONLY. NO VERIFICATION WAS MADE REGARDING THE HORIZONTAL ACCURACY OF SAID IMAGERY.

SCHEDULE B - II EXCEPTIONS:

THE FOLLOWING COMMENTS PERTAIN TO ITEMS 1 THROUGH 14, SCHEDULE B-II OF OLD REPUBLIC NATIONAL TITLE COMMITMENT (SEE NOTE 11):

1. ANY DEFECT, LIEN, ENCUMBRANCE, ADVERSE CLAIM, OR OTHER MATTER THAT APPEARS FOR THE FIRST TIME IN THE PUBLIC RECORDS OR IS CREATED, ATTACHES, OR IS DISCLOSED BETWEEN THE COMMITMENT DATE AND THE DATE ON WHICH ALL OF THE SCHEDULE B, PART I– REQUIREMENTS ARE MET.
   - NOT A MATTER OF SURVEY. NOT MAPPED.
2.
   a. GENERAL OR SPECIAL TAXES AND ASSESSMENTS REQUIRED TO BE PAID IN THE YEAR 2023 AND SUBSEQUENT YEARS.
      - NOT A MATTER OF SURVEY. NOT MAPPED.
   b. RIGHTS OR CLAIMS OF PARTIES IN POSSESSION NOT RECORDED IN THE PUBLIC RECORDS.
      - VISIBLE EVIDENCE OF POSSESSION WAS LOCATED AS MAPPED HEREIN.
   c. ANY ENCROACHMENT, ENCUMBRANCE, VIOLATION, VARIATION, OR ADVERSE CIRCUMSTANCE THAT WOULD BE DISCLOSED BY AN INSPECTION OR AN ACCURATE AND COMPLETE LAND SURVEY OF THE LAND AND INSPECTION OF THE LAND.
      - AFFECTS THE SUBJECT PARCEL AS MAPPED HEREIN.
   d. EASEMENTS OR CLAIMS OF EASEMENTS NOT RECORDED IN THE PUBLIC RECORDS.
      - ALL VISIBLE EVIDENCE OF UTILITIES AND USE ON TO AND OFF OF THE SUBJECT PARCEL IS MAPPED HEREIN
   e. ANY LIEN, OR RIGHT TO A LIEN, FOR SERVICES, LABOR OR MATERIAL FURNISHED, IMPOSED BY LAW AND NOT RECORDED IN THE PUBLIC RECORDS.
      - NOT A MATTER OF SURVEY. NOT MAPPED.
3. ANY OWNER'S POLICY ISSUED PURSUANT HERETO WILL CONTAIN UNDER SCHEDULE B THE FOLLOWING EXCEPTION: *ANY ADVERSE OWNERSHIP CLAIM BY THE STATE OF FLORIDA BY RIGHT OF SOVEREIGNTY TO ANY PORTION OF THE LAND INSURED HEREUNDER, INCLUDING SUBMERGED, FILLED AND ARTIFICIALLY EXPOSED LANDS, AND LANDS ACCRETED TO SUCH LANDS.*
   - NO KNOWLEDGE OF SOVEREIGN CLAIM OF LEELAND LAKE. NOT MAPPED.
4. ANY LIEN PROVIDED BY COUNTY ORDINANCE OR BY CHAPTER 159, F.S., IN FAVOR OF ANY CITY, TOWN, VILLAGE OR PORT AUTHORITY, FOR UNPAID SERVICE CHARGES FOR SERVICES BY ANY WATER SYSTEMS, SEWER SYSTEMS OR GAS SYSTEMS SERVING THE LAND DESCRIBED HEREIN; AND ANY LIEN FOR WASTE FEES IN FAVOR OF ANY COUNTY OR MUNICIPALITY.
   - NOT A MATTER OF SURVEY. NOT MAPPED.
5. OIL, GAS, MINERAL, OR OTHER RESERVATIONS AS RECORDED IN DEED BOOK 149, PAGE 399, AND O.R. BOOK 4516, PAGE 2118, PUBLIC RECORDS OF LEE COUNTY, FLORIDA. NO DETERMINATION HAS BEEN MADE AS TO THE CURRENT RECORD OWNER FOR THE INTEREST EXCEPTED HEREIN.
   - NOT A MATTER OF SURVEY. NOT MAPPED.
6. SEWER AND WATER COVENANTS IN MISCELLANEOUS BOOK 58, PAGE 266, O.R. BOOK 10, PAGE 695 AND O.R. BOOK 41, PAGE 264, PUBLIC RECORDS OF LEE COUNTY, FLORIDA.
   - NOT A MATTER OF SURVEY. NOT MAPPED.
7. EAST COUNTY WATER CONTROL DISTRICT AS RECORDED IN C.O. BOOK 38, PAGE 330, FINAL JUDGMENT VALIDATING BONDS IN O.R. BOOK 2173, PAGE 469, PUBLIC RECORDS OF LEE COUNTY, FLORIDA.
   - NOT A MATTER OF SURVEY. NOT MAPPED.
8. LEE COUNTY ORDINANCE NO. 86-14 RECORDED NOVEMBER 30, 1990, IN O.R. BOOK 2189, PAGE 3281 AND AMENDED BY ORDINANCE NO. 86-38 IN O.R. BOOK 2189, PAGE 3334, PUBLIC RECORDS OF LEE COUNTY, FLORIDA.
   - NOT A MATTER OF SURVEY. NOT MAPPED.
9. UTILITY RIGHT-OF-WAY EASEMENT RECORDED IN O.R. BOOK 2321, PAGE 3116, AS ASSIGNED IN O.R. BOOK 4150, PAGE 900, PUBLIC RECORDS OF LEE COUNTY, FLORIDA.
   - AFFECTS THE SUBJECT PARCEL AS MAPPED HEREIN.
10. EASEMENT RECORDED IN O.R. BOOK 2325, PAGE 4552, AND AGREEMENT IN INSTRUMENT NUMBER 2010-67458, INSTRUMENT NUMBER 2010-74570, PUBLIC RECORDS OF LEE COUNTY, FLORIDA.
    - DOES NOT AFFECT THE SUBJECT PARCEL. NOT MAPPED.
11. ACCESS EASEMENT AGREEMENTS RECORDED IN O.R. BOOK 2330, PAGE 2675, O.R. BOOK 2330, PAGE 2685, AND O.R. BOOK 2330, PAGE 2731, PUBLIC RECORDS OF LEE COUNTY, FLORIDA.
    - AFFECTS THE SUBJECT PARCEL AS MAPPED HEREIN.
12. DEVELOPER'S AGREEMENT RECORDED IN O.R. BOOK 2357, PAGE 2973, AS MODIFIED IN O.R. BOOK 2551, PAGE 833, PUBLIC RECORDS OF LEE COUNTY, FLORIDA.
    - NOT A MATTER OF SURVEY. NOT MAPPED.
13. RIGHTS OF THE LESSEES UNDER UNRECORDED LEASES.
    - NOT A MATTER OF SURVEY. NOT MAPPED.
14. RIPARIAN AND LITTORAL RIGHTS ARE NOT INSURED.
    - NOT MAPPED.

Digitally signed by Darren Townsend
Date: 2024.08.21 09:48:04 '-04'00'

DARREN K. TOWNSEND License Number 6476 STATE OF FLORIDA Professional Surveyor & Mapper

No.:	DATE:	BY:	REVISIONS:
1	08-21-24	RH	AERIAL IMAGERY ADDED
2			
3			
4			
5			

PREPARED BY: AIM ENGINEERING & SURVEYING, INC.

DARREN TOWNSEND
PROFESSIONAL SURVEYOR AND MAPPER
FLORIDA CERTIFICATE NO. 6476

NOT VALID WITHOUT THE ORIGINAL SIGNATURE AND SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.

AIM Engineering & Surveying, Inc.
CIVIL * SANITARY * TRANSPORTATION * DEVELOPMENT * PROJECT MANAGEMENT
2161 FOWLER STREET, SUITE 100
FORT MYERS, FLORIDA 33901
www.aimengr.com
TOLL FREE 800-226-4569
PHONE 239-332-4569
CERTIFICATE OF AUTHORIZATION No. 3114

CLIENT:			
LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT			
DRAWN: RH	DATE: 06-25-2024	PROJECT: 24-1911_LAMSID SINKHOLE PARCEL	
CHECKED: DT	DATE: 06-27-2024	FIELD BOOK: 1942	PAGE: 58-61, TBD

COUNTY:		
LEE		
SECTION: 34	TOWNSHIP: 44 S	RANGE: 27 E
FILE NAME: 24-1911_BND	PROJECT NO.: 24-1911	

BOUNDARY SURVEY
LEELAND LAKE PARCEL

ANY REVISIONS, ALTERATIONS, AND OR CHANGES TO DRAWING(S) WITHOUT WRITTEN CONSENT BY AIM ENGINEERING & SURVEYING, INC. IS PROHIBITED!

SHEET 1 OF 1













Legend

- Wind Phone
- Wayfinding Sings
- Park Entrance Sign
- Benches
- Picnic Tables
- Path Route No. 3
- Floating Boardwalk
- Gangway Ramp
- Boardwalk
- Road Vegetation Buffer
- Maintenance Path
- Floating Dock
- Outlook
- Lake
- Parking Lot
- Building
- Sidewalk
- Trail Sightline Vegetation
- Wetland Plants & Trees

Lee County, FL, State of Florida, Microsoft, Vantor, Esri Community Maps Contributors, University of South Florida, County of Lee, FL, FDEP, © OpenStreetMap, Microsoft, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS

N

0 110
Feet

Rev. No. 00

AIM Project No. 25-2166

AIM Engineering & Surveying, Inc.
CIVIL ENGINEERING * LAND SURVEYING * S.U.E
TRANSPORTATION * UTILITIES * PROJECT MANAGEMENT
CONSTRUCTION ENGINEERING & MANAGEMENT
2161 Fowler Street. Suite 100. Fort Myers, Florida 33901
Web: aimengr.com Info: info@aimengr.com

Map Produced Jan. 15, 2026

CONCEPT PLAN

LA-MSID Sinkhole Future Vision Plan

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



CONCEPT PLAN

LA-MSID Sinkhole Trail Route No. 1

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

601 EAST COUNTY LANE
LEHIGH ACRES, FLORIDA 33936

AIM Engineering & Surveying, Inc.

CIVIL ENGINEERING * LAND SURVEYING * S.U.E.
TRANSPORTATION * UTILITIES * PROJECT MANAGEMENT
CONSTRUCTION ENGINEERING & MANAGEMENT

2161 Fowler Street. Suite 100. Fort Myers, Florida 33901
Web: aimengr.com Info: info@aimengr.com

Map Produced Jan. 15, 2026

0 100 Feet

N

AIM Project No.	Rev. No.
25-2166	00



CONCEPT PLAN

LA-MSID Sinkhole Trail Route No. 2

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

601 EAST COUNTY LANE
LEHIGH ACRES, FLORIDA 33936

AIM Engineering & Surveying, Inc.

CIVIL ENGINEERING * LAND SURVEYING * S.U.E.
TRANSPORTATION * UTILITIES * PROJECT MANAGEMENT
CONSTRUCTION ENGINEERING & MANAGEMENT

2161 Fowler Street. Suite 100. Fort Myers, Florida 33901
Web: aimengr.com Info: info@aimengr.com

Map Produced Jan. 15, 2026

0 100 Feet

N

AIM Project No.	Rev. No.
25-2166	00

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

AGENDA ITEM SUMMARY

Dave

Subject: Manager Replacement Strategy and Schedule

Meeting Date: May 18, 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 an area for discussion about the manager's performance.

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

AGENDA ITEM SUMMARY

Subject: 2027-2031 Draft Capital Improvement Plan

Meeting Date: May 18, 2026

Agenda Item # 4B1

☐ **CONSENT** ☐ **ACTION** ☐ **OLD BUSINESS** ☒ **NEW BUSINESS**

Request Initiated By: ☐ **COMMISIONER** _____ ☐ **ATTORNEY**

☐ **BOARD** ☒ **MANAGER** ☐ **ENGINEER** ☐ **AUDITOR**

1 Recommended motion: N/A

2 What the action accomplishes: Provides for presentation of a draft Capital Improvement Plan for comment, prior to request for approval in June.

3 Fiscal Impact: 40 hours staff time

4 Staff comments:

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

Capital Improvement Plan FY 2017 - FY 2031













LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT
CAPITAL IMPROVEMENT PLAN (Fiscal Years 2026 - 2030)

OVERVIEW

Board of Commissioners:

Mike Bonacolta	Chair
Julie Hollingsworth	Vice Chair
Rebecca Thompson	Treasurer
David Deetscreek	Secretary
Katy Hoover	Commissioner

Introduction
The Lehigh Acres Municipal Services Improvement District staff provides an updated Five-Year Capital Improvement Plan (CIP) every year prior to adopting the next annual budget. This latest revision was prepared in the spring of 2026. This plan is only a guiding tool that details how Staff anticipates that these projects will be brought to the Board of Commissioners for future action. The Board of Commissioners must approve each project individually before they become a reality. Fiscal Year 2026 projects are either already approved by the Board or recommended by staff as a necessity. As the CIP moves further into the future, the project reality and timing becomes less clear because of the unpredictability of the funding, design, and permitting needed to proceed with each project. Note whether each project has either secured or unsecured funding.

Background
The Lehigh Acres Municipal Services Improvement District (LA-MSID) is an independent special taxing District and formerly was the East County Water Control District (ECWCD). LA-MSID was created on June 10, 2015 and is authorized and empowered by Chapters 189, 197, and 298, F.S. and Chapter 2015-202 and 2017-216, Laws of Florida for the purpose of preserving and protecting water resources by drainage, irrigation, reclamation, irrigation, conservation, signage, parks and water management in Eastern Lee County and Western Hendry County and also has the ability to activate additional powers. The District is governed by an at-large elected five (5) member Board of Commissioners. The Board of Commissioners administers the District, independent from any other local governing body. The former ECWCD was created in 1958 pursuant to Laws of Florida Chapter 63-1549 through the Circuit Court, as amended, under the provisions of Florida Statutes 298.

Process
Water Control Plan
Every five years, the District must prepare a Water Control Plan, pursuant to Chapter 298, or demonstrate that there is no need to prepare a new plan. The purpose of the Water Control Plan is to include any systems, infrastructure or capital improvements that may be constructed and financed creating new debt-service to the District and it's assessment payers. The assessment payers and the South Florida Water Management District (SFWMD) must be notified of the proposed plan and have the opportunity to comment on it prior to adoption by the Board.

Facilities Inventory Report
Every year LA-MSID Staff or a consultant completes a physical review of at least 25% of every building, park, culvert crossing, water control structure and bridge within the District in order to document the existing condition of the District's infrastructure. The infrastructure is then rated on a one-to-five scale, with five being the worst condition and one being the best. A final report is prepared with rating sheets, existing condition pictures, and location maps for all District infrastructure. Please note the project type on each of the yearly summaries, whether a project is considered new (from the water control plan) or replacement (a maintenance project based on the Facilities Inventory Report).

Capital Improvement Plan
The Capital Improvement Plan is created using information from the Water Control Plan, the latest edition of the Facilities Inventory Report and Staff recommendations. The items that were rated a five in the Facilities Inventory Report receive a higher priority for future action. This plan does not include capital equipment purchases.

Yearly Budgets

The next five fiscal year budgets should utilize the Capital Improvement Plan as a planning tool for budgeting funds needed to plan, design, permit and construct identified capital improvement projects.

Major Revenue Sources

Bridge Fund

In the 2020 Budgeting cycle, the Commissioners of the District began a "Bridge Fund" program that would assess and deposit a set amount of funds. This "Bridge Fund" became a dedicated fund that would pay for road bridge maintenance, upgrades and replacements.

FDEP Revolving Loan

The State Revolving Fund (SRF) Water Pollution Control Program provides low-interest loans for planning, designing, and constructing water pollution control facilities. Federal and State appropriations have funded the SRF. It is a "revolving" fund because loan repayments are used to make future loans. By federal law, the SRF is to be operated in perpetuity. The Florida Department of Environmental Protection solicits potential project information each year. This information is used to establish project priorities for the following annual funding cycle. Funds are made available for Preconstruction Loans and Construction Loans. The Loan Terms include a 20-year amortization and low-interest rates (maximum rate of 80% of the current market rate). Preconstruction loans are available to all qualified communities and they provide up-front disbursements that can be used for administrative services, project planning and/or project design. Over the last couple of years SRF Funding has become very competitive and the program has not been able to keep up with the demand for funding. Stormwater projects will continue to get harder to fund through FDEP. Because of the economy, most agencies are vying for these funds, making it very difficult to secure this funding.

FDEP Water Quality Water Quality Restoration Grants

Annually, the state legislature provides funding for the implementation of best management practices, such as regional stormwater treatment facilities, designed to reduce pollutant loads to impaired waters from urban stormwater discharges. This funding is administered by the Nonpoint Source Management Section as the TMDL Water Quality Restoration Grant, which is set out by rule in Chapter 62-305, F.A.C. and authorized by Section 403.890(2), F.S.

The grant applications may be submitted at any time throughout the year and are reviewed and ranked in March, July, and November annually. Deadline for submittal of applications is by the close of business on the first business day of each review period. For example, for the March review period, only applications received by 5 pm on March 1st will be considered. Projects will be selected for grant funding based on these rankings and the availability of funding. Projects not selected for funding will remain in the pool of projects that will be ranked for one year from the date of submittal.

SFWMD Alternative Water Supply Program

In 1995, Florida's legislature directed the state's five water management districts to share revenues from property tax assessments with public and private entities willing to develop suitable alternative water supplies.

Accordingly, the South Florida Water Management District offers cooperative funding grants which fund up to 40% of the total construction cost of capital improvement projects that help implement safe and cost-effective alternative water supplies.

Applications for each year's funding cycle are available in January for the following fiscal year. The application deadline for the next cycle will be June 1st, 2025. Projects will be selected in June and July with funding agreements executed in September or October of 2021.

The AWS Program has cooperatively funded more than 480 projects since 1995 with over $209 million in tax revenues, making over 621 million gallons per day of water available. If that amount of water was being produced by a single water utility, it would be the largest water utility in the State!

These funds are very difficult for LA-MSID to qualify for and the funds have mostly been used for Municipal Water Treatment Plants.

Legislative Appropriations Grant

Grants may be secured directly from the legislature and will generally be deposited into the FDEP budget. Grants are usually made available from a solid lobbying effort and a very worthy project that has a widely desired benefit. LA-MSID must continue to work cooperatively with FDEP and SFWMD to meet the watershed needs of the area in order to continue receiving funds. These funds have been supplemented with additional funds provided by the Governor, at times.

SFWMD Watershed Initiative Grant

Grants are sometimes made available through the local Watershed Initiative Project. The Florida Legislature makes these grants available through line items in their budget and the grants are usually administered by SFWMD with a 50% match. The chances of any of these funds being available for a while are very low, for the foreseeable future.

HUD Grants
Following Hurricane Ian in 2017, HUD awarded Lee County $1.1 Billion to rebuild Lee County. LA-MSID can share in this funding, with projects that will mitigate damages during future storms.

FEMA Grants
Each year, after a direct or indirect impact from a Hurricane, (Irma in '17 and Ian in '22) the District will document damages and restorative efforts in a manner necessitated by FEMA. FEMA will reimburse the District at a later date, in the form of a grant.

Assessments
Each year, the District levies a non ad valorem assessment, per acre, or fraction thereof, to fund the current fiscal year maintenance and benefit budgets. The current assessment rate is $172.15 per acre or $35.54 for a typical 1/4-acre lot, annually.

Governor's Grants
From time to time, when there is specific budgetary money that is unspent, the Governor may allocate it to qualified projects. That is the method in which LA-MSID had received $15,500,000 in 2024.

Public or Private Partnerships
When an opportunity arises between two or more entities that can benefit each from either shared infrastructure, shared cost, economy of scale cost savings, etc., from a joint project, every effort must be taken to negotiate a deal. Currently opportunities exist between LA-MSID and the Florida Dept. of Transportation, Lee County Dept. of Transportation, Lee County Parks Department, Lee County 20/20 Program, Hendry County and DUDA. Currently, staff is working with the LDOT due to Lee County needing LA-MSID's land along Sunshine Blvd. for a road project, while Lee County will pay for roughly $41-million in LA-MSID projects.

Contributors:

Lehigh Acres Municipal Services Improvement District Staff
David E. Lindsay, District Manager
Michael S. Cook, Assistant District Manager
Dana March, Finance Director
William Walker, Field Operations Director
Lisa Waskiewicz, Resource and Relations Director
Daniel Schroeder, P.E., AIM Engineering & Surveying, Inc.

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

CAPITAL IMPROVEMENT PLAN (Fiscal Years 2026-2030)

8

YEAR	Engineering & Permitting	Inspection	Construction	Land / Equipment Purchase	TOTAL	Grant Funding	Assessments / Spoil / In-Kind Funding	Loan Funding	Other Funding	NEW DEBT SERVICE
2027	1,170,000	74,000	5,978,000	0	7,222,000	7,022,000	$200,000	0	0	0
2,028	0	98,000	4,163,000	70,000	4,331,000	3,941,000	390,000	0	0	0
2,029	817,500	100,000	8,900,000	0	9,817,500	9,467,500	250,000	0	100,000	0
2030	590,000	20,000	750,000	0	1,360,000	840,000	520,000	0	0	0
2031	0	70,000	1,345,000	0	1,415,000	0	250,000	0	1,165,000	0
TOTAL	**2,577,500**	**292,000**	**19,791,000**	**70,000**	**22,730,500**	**21,270,500**	**1,360,000**	**0**	**100,000**	**0**

m

Lehigh Acres Municipal Services Improvement District

2027 Capital Improvement Plan

Yearly Summary

PRIORITY RANKING	PROJECT NUMBER	PROJECT TYPE	DES	PROJECT	ACTIVITY	START / FINISH	FUNDING SOURCE	Engineering & Permitting	Inspection Costs	Construction Costs	Land / Equipment Purchase	TOTAL FUNDING	Grant Funding	Assessments/ Spoil / Misc. / In-Kind	Loan Funding	Other Funding	NEW DEBT SERVICE AMOUNT	DEBT SERVICE START DATE	Funding Status
1	TBD	Replace	D/C	Culvert Replacement Phase 2027	Design & Build the next 5 culverts identified in 2026 Facilities Inventory Report.	2ND QTR 2027 / 3RD QTR 2027	LA-MSID Reserves	0	0	200,000	0	200,000	0	200,000	0	0	0	N/A	Secured
2	TBD	New	C	GS 10 Build Phase I	Remove exotics, excavate, stabilize, build structures, berms, maintenance paths and plant native plants.	2ND QTR 2027 / 3RD QTR 2027	Grant Funding	0	74,000	5,778,000	0	5,852,000	5,852,000	0	0	0	0	N/A	Secured
3	TBD	New	D	Design Buckingham Trails STA	Design excavation, pump stations, weirs, maintenance area.	1ST QTR 2027 / 4TH QTR 2027	Grant Funding	1,170,000	0	0	0	1,170,000	1,170,000	0	0	0	0	N/A	Secured
4	TBD	New	D/C	D/C Leeland Sinkhole Interpretive Center Purchase	Purchase Building for Interpretive Center, Trails, Security	1ST QTR 2027 / 4TH QTR 2027	Grant Funding	0	0	2,200,000	0	2,200,000	2,200,000	0	0	0	0	N/A	Secured
5	TBD	New	D/C	Weir Retrofit (D)	Add, actuators, telemetry & measurement S-R-1, as part of Alico to Sunshine	1ST QTR 2027 / 4TH QTR 2027	Lee County Funding	0	0	0	0	0	0	0	0	0	0	N/A	Secured
6	TBD	New	D/C	Design/Build New Gunnery Rd. Entry Sign	Planned entry sign at Gunnery Rd. and SR 82.	1ST QTR 2027 / 4TH QTR 2027	Alternative Revenue	0	0	85,000	0	85,000	0	0	0	85,000	0	N/A	Secured
7	TBD	New	D	RISE Structure design & repair	Design Structure S-BP-1, S-O-1 Design, S-BL-2 Repairs. Retrofit S-R-2 and S-SF-3	1ST QTR 2027 / 2ND QTR 2027	Grant Funding	240,000	0	0	0	240,000	240,000	0	0	0	0	N/A	Secured
8	TBD	New	D	GS 10 Design Phase II	Design weirs, culverts, pump stations, additional excavation, etc.	2ND QTR 2027 / 3RD QTR 2027	Governor's Grant	900,000	85,000	0	0	985,000	985,000	0	0	0	0	N/A	Secured
8	TBD	Replace	C	Rebuild Structure Sailfish 1	Demolish, move and rebuild S-SF-1	3RD QTR 2027/1ST QTR 2028	Lee County Funding	0	0	0	0	0	0	0	0	0	0	N/A	Secured
9	TBD	New	C	Build Lee County Structures	Build S-MF-1, S-T-1, S-S-1.	3RD QTR 2027/1ST QTR 2028	Lee County Funding	0	0	0	0	0	0	0	0	0	0	N/A	Secured
PRIORITY RANKING	PROJECT NUMBER	PROJECT TYPE	DES	PROJECT	ACTIVITY	START / FINISH	FUNDING SOURCE	$1,170,000	$74,000	$5,978,000	$0	$7,222,000	$7,022,000	$200,000	$0	$0	$0	DEBT SERVICE START DATE	Funding Status

Lehigh Acres Municipal Services Improvement District

CAPITAL IMPROVEMENT JUSTIFICATION

Item Number	TBD	Item Name	Culvert Replacement Phase 2027

Description: Design & Build the next 5 culverts identified in 2026 Facilities Inventory Report.

Justification: 5 Culverts at $40,000 each = $200,000

Cost Calculation	
Design	$0.00
Bidding & Const Admin	$0.00
Permit	$0.00
Construction	$200,000.00
Land / Equip.	$0.00

Total Cost	$200,000	Proposed Funding	LA-MSID Reserves
Grant Funding	$0	Assessments	$200,000
Loan Funding	$0		





Lehigh Acres Municipal Services Improvement District

CAPITAL IMPROVEMENT JUSTIFICATION

Item Number	4067	Item Name	GS 10 Build Phase I

Description: Remove exotics, excavate, stabilize, build structures, berms, maintenance paths and plant native plants.

Justification: Will help to lower peak flows during a major event, more WQ and basin connectivity.

Cost Calculation

Design	**0**	**as extrapolated on Florida RUS Bulletin 1780-9 (7.3%)**	**$0**
Inspect		as extrapolated on Florida RUS Bulletin 1780-9 (2.9%)	$74,000
Permit			**$0**
Construction			$5,778,000
Land / Equip.			**$0**

Total Cost	$5,852,000	Proposed Funding	Governor's Grant

Grant Funding $5,852,000 Assessments Loans Bridge $0 Other Funds



Lehigh Acres Municipal Services Improvement District

CAPITAL IMPROVEMENT JUSTIFICATION

Item Number	4067	Item Name	Design Buckingham Trails STA

Description: Design excavation, pump stations, weirs, maintenance area.

Justification: Will help to lower peak flows during a major event, more WQ and basin connectivity.

Cost Calculation			
Design	**0 as extrapolated on Florida RUS Bulletin 1780-9 (7.3%)**		**$1,150,000**
Inspect & Bidding	as extrapolated on Florida RUS Bulletin 1780-9 (2.9%)		$0
Permit			**$20,000**
Construction			$0
Land / Equip.			**$0**

Total Cost	$1,170,000	Proposed Funding	Governor's Grant

Grant Funding $1,170,000 Assessments Loans Bridge $0 Other Funds



Lehigh Acres Municipal Services Improvement District

CAPITAL IMPROVEMENT JUSTIFICATION

Item Number	4071	Item Name	D/C Leeland Sinkhole Interpretive Center Purchase

Description: Purchase Building for Interpretive Center, Trails, Security

Justification: Building is a perfect location for an interpretive center. This is the cheapest option considering all aspects.

Cost Calculation			
	Design	**0 as extrapolated on Florida RUS Bulletin 1780-9 (7.3%)**	**$0**
	Inspect	as extrapolated on Florida RUS Bulletin 1780-9 (2.9%)	**$0**
	Permit		**$0**
	Construction		**$2,200,000**
	Land / Equip.		**$0**

Total Cost	$2,200,000	Proposed Funding	2025 Leg Appropriation

Grant Funding $2,200,000 Assessments Bridge $0 Other Funds



Lehigh Acres Municipal Services Improvement District

CAPITAL IMPROVEMENT JUSTIFICATION

Item Number	TBD	Item Name	Weir Retrofit (D)

Description: Add, actuators, telemetry & measurement S-R-1, as part of Alico to Sunshine

Justification: Original structures were built with basic manual control.

Cost Calculation	
Design	-
Inspect	-
Permit	-
Construction	-
Land / Equip.	-

Total Cost	$0.00	Funding	Lee County Funding

Grant Funding	$ -	Assessment Funding	$ -	Loan Funding	$0.00



Lehigh Acres Municipal Services Improvement District

CAPITAL IMPROVEMENT JUSTIFICATION

Item Number TBD Item Name Design/Build New Gunnery Rd. Entry Sign

Description Planned entry sign at Gunnery Rd. and SR 82.

Justification Planned improvement using Alternative Revenue

Cost Calculation				
	Design	$ 500,000.00	as extrapolated on Florida RUS Bulletin 1780-9 (8.0%)	$0.00
	Inspect			$0.00
	Permit			$0.00
	Construction			$85,000.00
	Land / Equip.			$0.00

Total Cost $85,000.00 Proposed Funding Alternative Revenue

Grant Funding $ - Assessment Funding Alternative 85,000



Lehigh Acres Municipal Services Improvement District

CAPITAL IMPROVEMENT JUSTIFICATION

Item Number: TBD Item Name: RISE Structure design & repair

Description: Design Structure S-BP-1, S-O-1 Design, S-BL-2 Repairs. Retrofit S-R-2 and S-SF-3

Justification: Structure collapsing and pipes and risers are severely corroded or floating

Cost Calculation	
Design	240,000.00
Inspect	$0.00
Permit	$0.00
Construction	$0.00
Land / Equip.	$0.00

Total Cost: $240,000.00 Funding: LA-MSID Reserves/Grant Funding

Grant Funding: $ 240,000.00 Assessment Funding: Loan Funding: $0.00



Lehigh Acres Municipal Services Improvement District

CAPITAL IMPROVEMENT JUSTIFICATION

Item Number	4067	Item Name	GS 10 Design Phase II

Description: Design weirs, culverts, pump stations, additional excavation, etc.

Justification: Will help to lower peak flows during a major event, more WQ and basin connectivity.

Cost Calculation			
	Design	**0 as extrapolated on Florida RUS Bulletin 1780-9 (7.3%)**	**$900,000**
	Inspect	as extrapolated on Florida RUS Bulletin 1780-9 (2.9%)	**$85,000**
	Permit		**$0**
	Construction		**$0**
	Land / Equip.		**$0**

Total Cost	$985,000	Proposed Funding	Governor's Grant

Grant Funding	$985,000	Assessments	0	Loans	Bridge	$0	Other Funds



Lehigh Acres Municipal Services Improvement District

CAPITAL IMPROVEMENT JUSTIFICATION

Item Number	TBD	Item Name	Rebuild Structure Sailfish 1

Description: Demolish, move and rebuild S-SF-1

Justification: New structures for Sunshine Widening, Replace obsolete S-SF-1

Cost Calculation	
Design	$0.00
Inspect	$0.00
Permit	$0.00
Construction	$0.00
Land / Equip.	$0.00

Total Cost	$0.00	Funding	Lee County Funding

Grant Funding	$0.00	Assessment Funding	$0.00	Loan Funding	$0.00



Lehigh Acres Municipal Services Improvement District

CAPITAL IMPROVEMENT JUSTIFICATION

Item Number: TBD

Item Name: Build Lee County Structures

Description: Build S-MF-1, S-T-1, S-S-1.

Justification: New structures for Sunshine Widening, Replace obsolete S-SF-1

Cost Calculation

Design	$0.00
Inspect	$0.00
Permit	$0.00
Construction	$0.00
Land / Equip.	$0.00

Total Cost: $0.00

Funding: Lee County Funding

Grant Funding: $0.00

Assessment Funding: $0.00

Loan Funding: $0.00



Lehigh Acres Municipal Services Improvement District

2028 Capital Improvement Plan

PRIORITY RANKING	PROJECT NUMBER	PROJECT TYPE	DES	PROJECT	ACTIVITY	START / FINISH	FUNDING SOURCE	Engineering & Permitting	Inspection Costs	Construction Costs	Land / Equipment Purchase	TOTAL FUNDING	Grant Funding	Assessments/ Spoil / Misc. / In-Kind	Loan Funding	Other Funding	NEW DEBT SERVICE AMOUNT	DEBT SERVICE START DATE	Funding Status
1	TBD	Replace	D/C	2028 Culvert Replacement	Design & Build the next 5 culverts identified in 2026 Facilities Inventory Report.	2ND QTR 2028 / 3RD QTR 2028	Assessments	0	0	220,000	0	220,000	0	220,000	0	0	0	N/A	Secured
2	TBD	Replace	C	Replace Asphalt Parking at Campus	The parking area has considerable wear and needs to be replaced.	2ND QTR 2028 / 3RD QTR 2028	Assessments	0	0	100,000	0	100,000	0	100,000	0	0	0	N/A	Unsecured
3	TBD	New	P	Purchase GS-10 Crosslink Parcels	Purchase by "calling to sale" parcels that LA-MSID has owned a tax certificate, for the last two years.	2ND QTR 2028 / 3RD QTR 2028	Non-recurring funds	0	0	0	70,000	70,000	0	70,000	0	0	0	N/A	Secured
4	TBD	New	C	Build ROBUST Project, Phase II & Phase III	Build the ROBUST Project	1ST QTR 2028/ 4TH QTR 2028	Grant Funding	0	98,000	3,843,000	0	3,941,000	3,941,000	0	0	0	0	N/A	Secured
5	TBD	New	C	Weir Retrofit (C)	Add, actuators, telemetry & measurement S-R-1, as part of Alico to Sunshine	1ST QTR 2028 /4TH QTR 2028	Lee County Funding	0	0	0	0	0	0	0	0	0	0	N/A	Secured
PRIORITY RANKING	**PROJECT NUMBER**	**PROJECT TYPE**	**DES**	**PROJECT**	**ACTIVITY**	**START / FINISH**	**FUNDING SOURCE**	**$0**	**$98,000**	**$4,163,000**	**$70,000**	**$4,331,000**	**$3,941,000**	**$390,000**	**$0**	**$0**	**$0**	**DEBT SERVICE START DATE**	**Funding Status**

Lehigh Acres Municipal Services Improvement District

CAPITAL IMPROVEMENT JUSTIFICATION

Item Number	TBD	Item Name	2028 Culvert Replacement

Description: Design & Build the next 5 culverts identified in 2026 Facilities Inventory Report.

Justification: 5 Culverts at $40,000 each = $200,000

Cost Calculation				
Design	$	500,000	as extrapolated on Florida RUS Bulletin 1780-9 (8.0%)	-
Inspect				-
Permit				-
Construction				220,000
Land / Equip.				-

Total Cost	$ 220,000.00		Proposed Funding	Assessments	
Grant Funding	$ -	Assessment Funding	220,000	Bridge	0





Lehigh Acres Municipal Services Improvement District

CAPITAL IMPROVEMENT JUSTIFICATION

Item Number	TBD	Item Name	Replace Asphalt Parking at Campus

Description: Rebuild and expand the campus parking area that is 17 years old.

Justification: The parking area has considerable wear and needs to be replaced.

Cost Calculation				
Design	$	500,000	as extrapolated on Florida RUS Bulletin 1780-9 (8.0%)	-
Inspect				-
Permit				-
Construction				100,000
Land / Equip.				-

Total Cost	$ 100,000.00		Proposed Funding	Assessments	
Grant Funding	$ -	Assessment Funding	100,000	Bridge	0



Lehigh Acres Municipal Services Improvement District

CAPITAL IMPROVEMENT JUSTIFICATION

Item Number	TBD	Item Name	Purchase GS-10 Crosslink Parcels

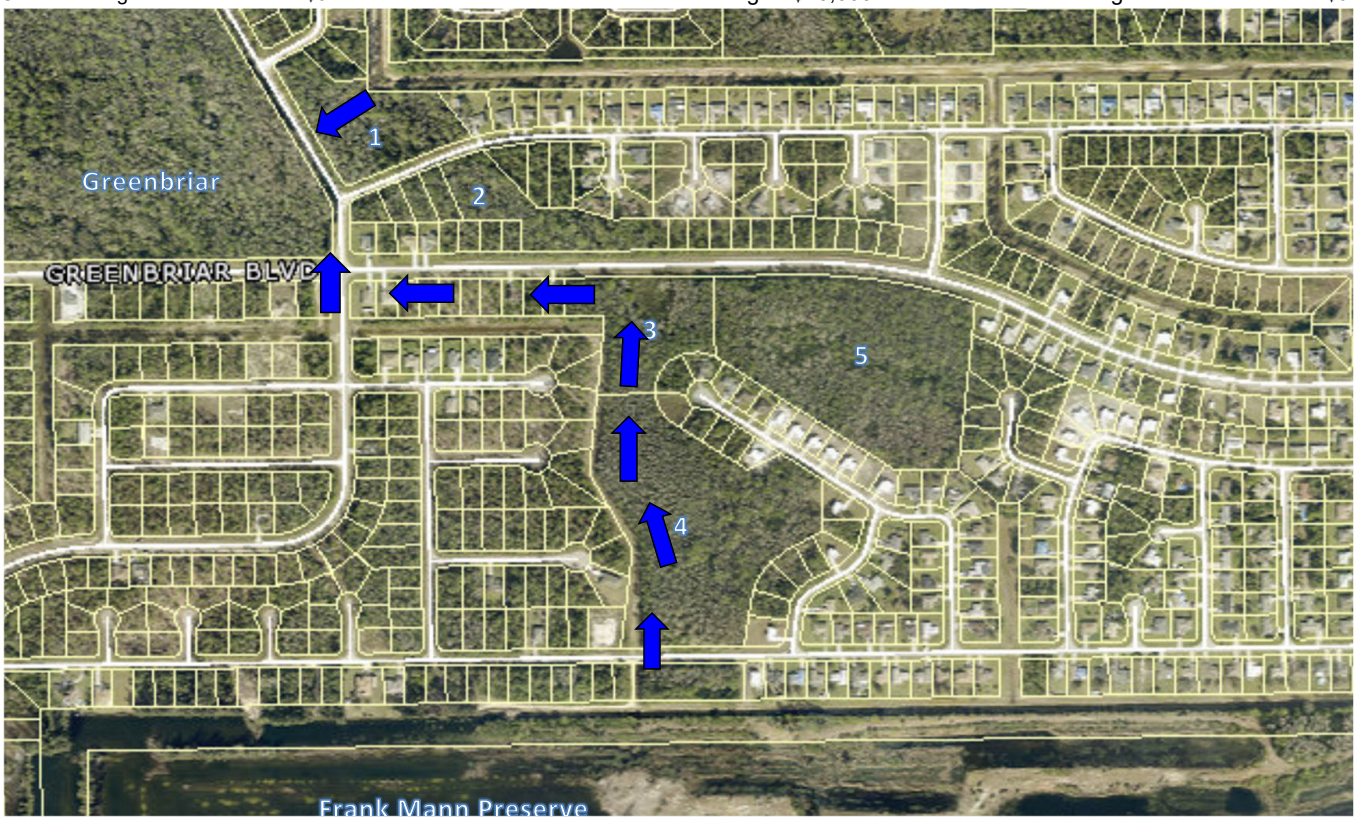
Description: Purchase by "calling to sale" parcels that LA-MSID has owned a tax certificate, for the last two years.

Justification: District canals that connect Frank Mann Preserve with Greenbriar Preserve are located on most parcels with no easement. Ownership is necessary. Also these very-low elevation lots will make excellent storage and water quality additions.

Cost Calculation				
Design	$	500,000	as extrapolated on Florida RUS Bulletin 1780-9 (8.0%)	$0
Inspect				$0
Permit				$0
Construction				$0
Land / Equip.				$70,000

Total Cost	$70,000	Proposed Funding	Non-recurring funds

Grant Funding	$0	Assessment Funding	$70,000	Bridge	$0



Lehigh Acres Municipal Services Improvement District

CAPITAL IMPROVEMENT JUSTIFICATION

Item Number 4072 Item Name Build ROBUST Project, Phase II & Phase III

Description Build the ROBUST Project

Justification The Caloosahatchee River is over the TMDL for nitrogen. This project and others are puzzle-piece solutions for the big picture. The project will also provide storage and flood protection for Bedman Creek.

Cost Calculation				
Design	$ 500,000.00	as extrapolated on Florida RUS Bulletin 1780-9 (8.0%)	$0.00	
Inspect			$98,000.00	
Permit			$0.00	
Construction			$3,843,000.00	
Land / Equip.			$0.00	

Total Cost	$3,941,000.00	Proposed Funding	Grant Funding	
Grant Funding	$3,941,000.00	Assessment Funding	$ -	Loan Funding $0.00



Lehigh Acres Municipal Services Improvement District

CAPITAL IMPROVEMENT JUSTIFICATION

Item Number	TBD	Item Name	Weir Retrofit (C)

Description: Add, actuators, telemetry & measurement S-R-1, as part of Alico to Sunshine

Justification: Original structures were built with basic manual control.

Cost Calculation	
Design	-
Inspect	-
Permit	-
Construction	-
Land / Equip.	-

Total Cost	$0.00	Funding	Lee County Funding

Grant Funding	$ -	Assessment Funding	$ -	Loan Funding	$0.00



Lehigh Acres Municipal Services Improvement District

2029 Capital Improvement Plan

PRIORITY RANKING	PROJECT NUMBER	PROJECT TYPE	DES	PROJECT	GS 10 Build Phase II	START / FINISH	FUNDING SOURCE	Engineering & Permitting	Inspection Costs	Construction Costs	Land / Equipment Purchase	TOTAL FUNDING	Grant Funding	Assessments/ Spoil / Misc. / In-Kind	Loan Funding	Other Funding	NEW DEBT SERVICE AMOUNT	DEBT SERVICE START DATE	Funding Status
1	TBD	Replace	D/C	2029 Culvert Replacement	Design & Build the next 5 culverts identified in 2026 Facilities Inventory Report.	2ND QTR 2029 / 3RD QTR 2029	Assessments	0	0	250,000	0	250,000	0	250,000	0	0	0	N/A	Secured
2	TBD	New	C	GS 10 Build Phase II	Build Pump Stations, culverts, Greenbriar Outfall, maintenance station, WQ enhancements,	1ST QTR 2029/ 4TH QTR 2029	Governor's Grant	0	100,000	8,550,000	0	8,650,000	8,650,000	0	0	0	0	N/A	Secured
3	TBD	New	D	Hickey's Creek Outfall	PD&E and construction design for a new outfall to the Caloosahatchee	1ST QTR 2029/ 4TH QTR 2029	Lee County Funding	500,000	0	0	0	500,000	500,000	0	0	0	0	N/A	Secured
4	TBD	New	D	Halfway Pond/Moving Water South PH III Design	Re-establish flows from the southern areas of District south towards the Lee County well fields.	1ST QTR 2029/ 4TH QTR 2029	Grant Funding	207,500	0	0	0	207,500	207,500	0	0	0	0	N/A	Unsecured
5	TBD	New	C	New State Road 82 Entry Sign	Planned entry sign at SR 82 and Blackbird Canal	2ND QTR 2029 / 3RD QTR 2029	Alternative Revenue	0	0	100,000	0	100,000	0	0	0	100,000	0	N/A	Secured
6	TBD	New	D	Weir Retrofit Hendry Design	Add Gates, actuators, telemetry and measurement to S-H-3 and S-H-4.	1ST QTR 2029/4TH QTR 2029	Grant Funding	110,000	0	0	0	110,000	110,000	0	0	0	0	N/A	Unsecured
7	TBD	New	C	Construct Buckingham Trails STA	Construct excavation, pump stations, weirs, maintenance area.	1ST QTR 2029/ 4TH QTR 2029	Lee County Funding	0	0	0	0	0	0	0	0	0	0	N/A	Secured
PRIORITY RANKING	**PROJECT NUMBER**	**PROJECT TYPE**	**DES**	**PROJECT**	**ACTIVITY**	**START / FINISH**	**FUNDING SOURCE**	**817,500**	**100,000**	**8,900,000**	**0**	9,817,500	**9,467,500**	**250,000**	**0**	**100,000**	**0**	**DEBT SERVICE START DATE**	**Funding Status**

Lehigh Acres Municipal Services Improvement District

CAPITAL IMPROVEMENT JUSTIFICATION

Item Number	TBD	Item Name	2029 Culvert Replacement

Description: Design & Build the next 5 culverts identified in 2030 Facilities Inventory Report.

Justification: 5 Culverts at $50,000 each = $250,000

Cost Calculation			
	Design	$500,000.00 as extrapolated on Florida RUS Bulletin 1780-9 (8.0%)	$0.00
	Inspect		$0.00
	Permit		$0.00
	Construction		250,000
	Land / Equip.		$0.00

Total Cost	$ 250,000.00	Proposed Funding	Assessments		
Grant Funding	$ -	Assessment Funding	250,000	Bridge	0





Lehigh Acres Municipal Services Improvement District

CAPITAL IMPROVEMENT JUSTIFICATION

Item Number	4067	Item Name	GS 10 Build Phase II

Description: Build Pump Stations, culverts, Greenbriar Outfall, maintenance station, WQ enhancements, additional excavation, etc.

Justification: Will help to lower peak flows during a major event, more WQ and basin connectivity.

Cost Calculation			
	Design	**0 as extrapolated on Florida RUS Bulletin 1780-9 (7.3%)**	**$0**
	Inspect & Bidding	as extrapolated on Florida RUS Bulletin 1780-9 (2.9%)	$100,000
	Permit		**$0**
	Construction		$8,550,000
	Land / Equip.		**$0**

Total Cost	$8,650,000	Proposed Funding	Governor's Grant

Grant Funding	$8,650,000	Assessments	Loans	Bridge	$0	Other Funds	



Lehigh Acres Municipal Services Improvement District

CAPITAL IMPROVEMENT JUSTIFICATION

Item Number	TBD	Item Name	Hickey's Creek Outfall

Description: PD&E and construction design for a new outfall to the Caloosahatchee

Justification: Provides more flood control for Lehigh Acres, is a Southern Lee County Flood Mitigation Plan Project

Cost Calculation	
Design	$500,000.00
Bidding & Const Admin	$0.00
Permit	$0.00
Construction	$0.00
Land / Equip.	$0.00

Total Cost	$500,000	Proposed Funding	Lee County Funding
Grant Funding	$500,000	Assessments	$0
Loan Funding	$0		



Lehigh Acres Municipal Services Improvement District

CAPITAL IMPROVEMENT JUSTIFICATION

Item Number 4029 Item Name Halfway Pond/Moving Water South PH III Design

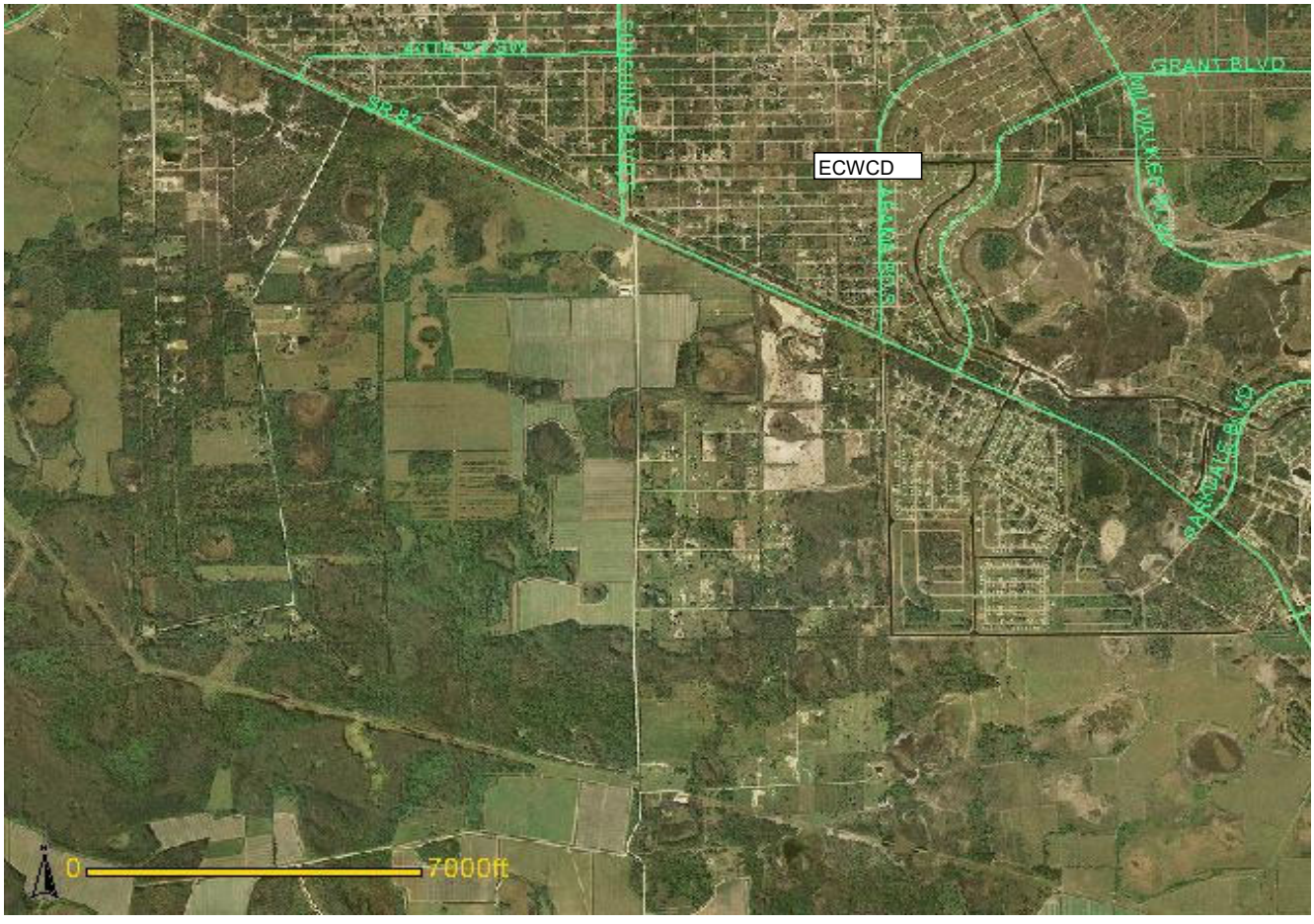
Description Re-establish flows from the southern areas of District south towards the Lee County well fields.

Justification Part of the SFWMD Watershed Initiative and CRWPP. It will also reduce flows that go to the Districts outfalls including the Orange River.

Cost Calculation	
Design	200,000
Bidding & Const Admin	-
Permit	7,500
Construction	-
200,000	-

Total Cost $ 207,500.00 Proposed Funding Grant

Grant Funding $ 207,500 Assessment Funding $ - Loan Funding $ -



Lehigh Acres Municipal Services Improvement District

CAPITAL IMPROVEMENT JUSTIFICATION

Item Number	TBD	Item Name	New State Road 82 Entry Sign

Description: Planned entry sign at SR 82 and Blackbird Canal

Justification: Planned improvement using Alternative Revenue

Cost Calculation				
Design	$	500,000	as extrapolated on Florida RUS Bulletin 1780-9 (8.0%)	-
Inspect				-
Permit				-
Construction				100,000
Land / Equip.				-

Total Cost	$	100,000.00	Proposed Funding	Alternative Revenue	
Grant Funding	$	-	Assessment Funding	Alternative	100,000



Lehigh Acres Municipal Services Improvement District

CAPITAL IMPROVEMENT JUSTIFICATION

Item Number	TBD	Item Name	Weir Retrofit Hendry Design

Description: Add Gates, actuators, telemetry and measurement to S-H-3 and S-H-4.

Justification: Provides more storage and required in FDOT JUSMSA Agreement 2016

Cost Calculation				
Design	$ 500,000	as extrapolated on Florida RUS Bulletin 1780-9 (8.0%)	100,000
Inspect			
Permit			10,000
Construction			
Land / Equip.			-

Total Cost	$ 110,000.00	Proposed Funding	Grant Funding
Grant Funding	$ 110,000	Assessment Funding	Alternative



Lehigh Acres Municipal Services Improvement District

CAPITAL IMPROVEMENT JUSTIFICATION

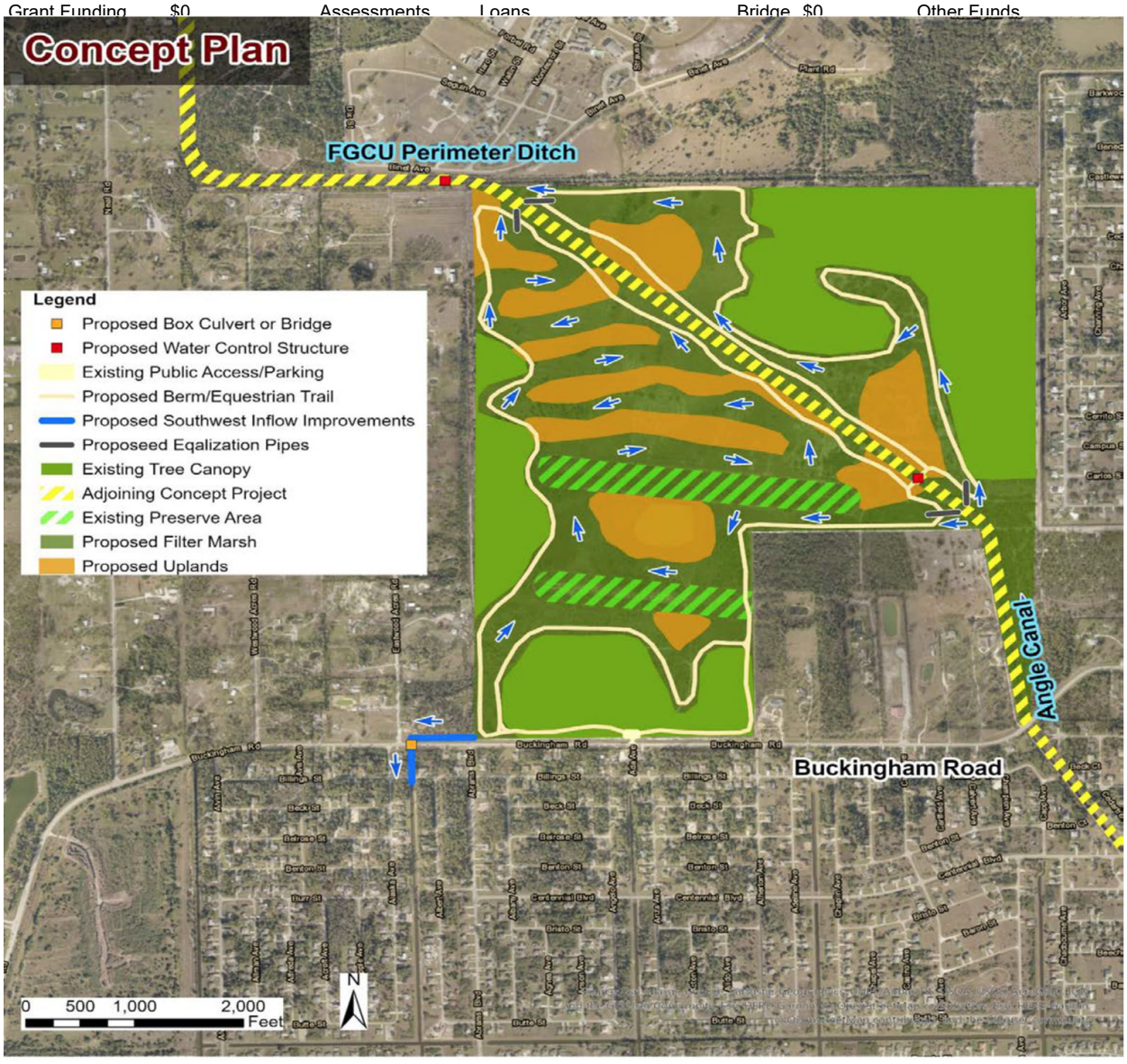
Item Number	4067	Item Name	Construct Buckingham Trails STA

Description: Construct excavation, pump stations, weirs, maintenance area.

Justification: Will help to lower peak flows during a major event, more WQ and basin connectivity.

Cost Calculation			
Design	**0**	**as extrapolated on Florida RUS Bulletin 1780-9 (7.3%)**	**$0**
Inspect & Bidding		as extrapolated on Florida RUS Bulletin 1780-9 (2.9%)	$0
Permit			**$0**
Construction			$0
Land / Equip.			**$0**

Total Cost	$0	Proposed Funding	Lee County Funding
Grant Funding	$0	Assessments	Loans
Bridge	$0	Other Funds	



Lehigh Acres Municipal Services Improvement District
2029 Capital Improvement Plan

PRIORITY RANKING	PROJECT NUMBER	PROJECT TYPE	DES	PROJECT	ACTIVITY	START / FINISH	FUNDING SOURCE	Engineering & Permitting	Inspection Costs	Construction Costs	Land / Equipment Purchase	TOTAL FUNDING	Grant Funding	Assessments/ Spoil / Misc. / In-Kind	Loan Funding	Other Funding	NEW DEBT SERVICE AMOUNT	DEBT SERVICE START DATE	Funding Status
1	TBD	Replace	D/C	2030 Culvert Replacement	2030 Culvert Replacement"	2ND QTR 2030 / 3RD QTR 2030	Assessments	0	0	250,000	0	250,000	0	250,000	0	0	0	N/A	Secured
2	TBD	Replacement	D	Replacement Bridge	Design a Replacement Bridge	1ST QTR 2030/ 4TH QTR 20\30	Bridge Fund	270,000	0	0	0	270,000	0	270,000	0	0	0	N/A	Secured
3	TBD	New	D	Design Sunshine Outfall	Design an outfall to the Caloosahatchee, include road route and route north from SR 80	1ST QTR 2030 / 4TH QTR 2030	Lee County Grant	320,000	0	0	0	320,000	320,000	0	0	0	0	N/A	Secured
4	TBD	New	C	Weir Retrofit Hendry Design	Add Gates, actuators, telemetry and measurement to S-H-3 and S-H-4.	1ST QTR 2030/ 4TH QTR 2030	Grant Funding	0	20,000	500,000	0	520,000	520,000	0	0	0	0	N/A	Unsecured
PRIORITY RANKING	**PROJECT NUMBER**	**PROJECT TYPE**	**DES**	**PROJECT**	**ACTIVITY**	**START / FINISH**	**FUNDING SOURCE**	**590,000**	**20,000**	**750,000**	**0**	**1,360,000**	**840,000**	**520,000**	**0**	**0**	**0**	**DEBT SERVICE START DATE**	**Funding Status**

Lehigh Acres Municipal Services Improvement District

CAPITAL IMPROVEMENT JUSTIFICATION

Item Number	TBD	Item Name	2030 Culvert Replacement

Description: Design & Build the next 5 culverts identified in 2030 Facilities Inventory Report.

Justification: 5 Culverts at $50,000 each = $250,000

Cost Calculation			
	Design	$500,000.00 as extrapolated on Florida RUS Bulletin 1780-9 (8.0%)	$0.00
	Inspect		$0.00
	Permit		$0.00
	Construction		250,000
	Land / Equip.		$0.00

Total Cost	$ 250,000.00		Proposed Funding	Assessments		
Grant Funding	$ -	Assessment Funding	250,000	Bridge	0	0





Lehigh Acres Municipal Services Improvement District

CAPITAL IMPROVEMENT JUSTIFICATION

Item Number: TBD

Item Name: Replacement Bridge

Description: Design a Replacement Bridge
(1 Bridge Estimated)

Cost Calculation	
Design	$260,000.00
Bidding & Const Admin	$60,000.00
Permit	$10,000.00
Construction	$0.00
Land / Equip.	$0.00

Total Cost: $270,000.00

Proposed Funding: Bridge Fund

Bridge Fund: $270,000.00

Assessment Funding

Loan Funding



Lehigh Acres Municipal Services Improvement District

CAPITAL IMPROVEMENT JUSTIFICATION

Item Number	TBD	Item Name	Design Sunshine Outfall

Description: Design an outfall to the Caloosahatchee, include road route and route north from SR 80

Justification: Will provide for much needed relief from major flooding, as Lehigh builds out.

Cost Calculation				
Design	$	500,000	as extrapolated on Florida RUS Bulletin 1780-9 (8.0%)	$300,000
Inspect				$0
Permit				$20,000
Construction				$0
Land / Equip.				$0

Total Cost	$	320,000.00	Proposed Funding	Grant Funding
Grant Funding	$	320,000	Assessment Funding	Alternative



Lehigh Acres Municipal Services Improvement District

CAPITAL IMPROVEMENT JUSTIFICATION

Item Number	TBD	Item Name	Weir Retrofit Hendry Design

Description: Add Gates, actuators, telemetry and measurement to S-H-3 and S-H-4.

Justification: Provides more storage and required in FDOT JUSMSA Agreement 2016

Cost Calculation				
Design	$	500,000	as extrapolated on Florida RUS Bulletin 1780-9 (8.0%)	-
Inspect				20,000
Permit				-
Construction				500,000
Land / Equip.				-

Total Cost	$ 520,000.00	Proposed Funding	Grant Funding
Grant Funding	$ 520,000	Assessment Funding	Alternative



Lehigh Acres Municipal Services Improvement District

2031 Capital Improvement Plan

Yearly Summary

PRIORITY RANKING	PROJECT NUMBER	PROJECT TYPE	DES	PROJECT	ACTIVITY	START / FINISH	FUNDING SOURCE	Engineering & Permitting	Inspection Costs	Construction Costs	Land/Equipment Purchase	TOTAL FUNDING	Grant Funding	Assessments/ Spoil / Misc. / In-Kind	Loan Funding	Other Funding	NEW DEBT SERVICE AMOUNT	DEBT SERVICE START DATE	Funding Status
1	TBD	Replacement	D/C	Culvert Replacement Phase 2031	Design & Build the next 5 culverts identified in the most recent Facilities Inventory Report.	2ND QTR 2026 3RD QTR 2026	LA-MSID Reserves	0	0	250,000	0	250,000	0	250,000	0	0	0	N/A	Secured
2	TBD	Replacement	D	Build New Joel Blvd. Entry Sign	Planned entry sign at Joel Blvd and Ridgemont Dr.	2ND QTR 2026 3RD QTR 2026	Alternative Revenue	0	0	95,000	0	95,000	0	0	0	95,000	**0**	N/A	Unsecured
3	TBD	New	D/C	Replacement Bridge Construction	Build a Replacement Bridge	1ST QTR 2026 4TH QTR 2026	Bridge Fund	0	70,000	1,000,000	0	1,070,000	0	0	0	1,070,000	**0**	N/A	Secured
PRIORITY RANKING	PROJECT NUMBER	PROJECT TYPE	DES	**PROJECT**	**2nd QTR 2025**	**START / FINISH**	**FUNDING SOURCE**	**$0**	**$70,000**	**$1,345,000**	**$0**	**$1,415,000**	**$0**	**$250,000**	**$0**	**$1,165,000**	**$0**	**DEBT SERVICE START DATE**	**Funding Status**

Lehigh Acres Municipal Services Improvement District

CAPITAL IMPROVEMENT JUSTIFICATION

Item Number	TBD	Item Name	Culvert Replacement Phase 2031

Description: Design & Build the next 5 culverts identified in 2011 Facilities Inventory Report.

Justification: 5 Culverts at $40,000 each = $200,000

Cost Calculation				
	Design	$0	as extrapolated on Florida RUS Bulletin 1780-9 (7.3%)	$0.00
	Inspect		as extrapolated on Florida RUS Bulletin 1780-9 (2.9%)	$0.00
	Permit			$0.00
	Construction			$250,000.00
	Land / Equip.			$0.00

Total Cost	$250,000		Proposed Funding	Reserves	
Grant Funding	$0	Assessments	$250,000	Loan Funding	$0





Lehigh Acres Municipal Services Improvement District

CAPITAL IMPROVEMENT JUSTIFICATION

Item Number	TBD	Item Name	Build New Joel Blvd. Entry Sign

Description: Planned entry sign at Joel Blvd and Ridgemont Dr.

Justification: Planned improvement using Alternative Revenue

Cost Calculation				
Design	$	500,000	as extrapolated on Florida RUS Bulletin 1780-9 (8.0%)	0.00
Inspect				0.00
Permit				0.00
Construction				95,000.00
Land / Equip.				0.00

Total Cost	$ 95,000.00	Proposed Funding	Alternative Revenue
Grant Funding	$ -	Assessment Funding	
		Alternative	95,000



Lehigh Acres Municipal Services Improvement District

CAPITAL IMPROVEMENT JUSTIFICATION

Item Number	TBD	Item Name	Replacement Bridge Construction

Description: Build a Replacement Bridge
(1 Bridge Estimated)

Justification: The District has 22 Bridges with the oldest ones built in 1960 and the newest ones built in 1994.

Cost Calculation				
Design	$	500,000	as extrapolated on Florida RUS Bulletin 1780-9 (8.0%)	0.00
Inspect				70,000.00
Permit				0.00
Construction				1,000,000.00
Land / Equip.				0.00

Total Cost	$ 1,090,000.00		Proposed Funding	Bridge Fund	
Grant Funding	$ -	Assessment Funding		Bridge	1,070,000



LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

AGENDA ITEM SUMMARY

Subject: 2027-2031 Draft Strategic Plan

Meeting Date: May 18, 2026

Agenda Item # 4B2

☐ **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 presentation of a draft Strategic Plan for comment, prior to request for approval in June.

3 Fiscal Impact: 30 hours staff time

4 Staff comments:

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

STRATEGIC PLAN

OCTOBER 1, 2026-SEPTEMBER 30, 2031

APPROVED BY THE BOARD OF COMMISSIONERS
June 15, 2026









LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

Table of Contents

3. Introduction from the Chair of the Board

4. Executive Summary

6. Contributors

7. Mission, Vision Statements

8. Values Statement

9. Organizational Chart

10. Organization Profile and History

15 SWOT Analysis, Critical Issues and Strategies

20. Weaknesses

25. Opportunities

26. Threats

28. Program Objectives, Strategies, and Goals

Introduction from the Chair of the Board

Introduction from the Chair of the Board

June 2025

Dear Fellow Residents and Assessment Payers:

Michael Bonacolta, Chair

Add narrative.

Sincerely,

Michael Bonacolta, Chair, LAMSID Board of Commissioners

Executive Summary

The Board of Commissioners and staff of the Lehigh Acres Municipal Services Improvement District (The Municipal District) are proud to present this 5-year "Strategic Plan" for October 1, 2026 through September 30, 2031.

Lehigh Acres Municipal Services Improvement District (LA-MSID), a Florida Statutes Chapter 189 Special District was created on June 10, 2015. The former East County Water Control District was created in 1958 to drain the Lehigh Acres area for development. ECWCD had since moved to a more balanced "water control" strategy in the 1980's, as the demand for more flood control and aquifer recharge increased over the years. Since then, the District has made incredible progress building the infrastructure needed to balance drainage, water storage, water quality and aquifer recharge.

In the early 2000s, ECWCD realized that it did not have the science available to make major stormwater infrastructure improvement decisions that could have an adverse financial impact on the whole community, while the projects might have been somewhat inneffective. During this time, ECWCD became involved in the South Florida Water Management District's (SFWMD) Caloosahatchee River Partners in Restoration and Lehigh Headwaters Initiative. Subsequently, a joint review and the creation of a Mike She, Mike 11 computer model of the district's drainage system was conducted for ECWCD and SFWMD by ADA Engineering, which identified inadequacies within the ECWCD water control system that would be exacerbated by continued development towards a full build-out population of more than 300,000 residents. Several potential future projects were identified to help mitigate the current system's shortfalls and start planning for the future. Today, the SW Florida economy is very strong and the water control system needs that were identified for future build out must still continue to be addressed as development warrants

The "ADA Engineering Report" from 2007 indicated a potential failure of the Harns Marsh perimeter berm during a 100-year storm. Many of the projects listed in the 2025-2030 Capital Improvement Plan are directly related to the recommendations from the ADA study. The report indicated that a shortage of stormwater storage exists and must be addressed soon (see storage progress, rain gauge, figure 1).

In September of 2017, The Municipal District took a direct hit from Hurricane Irma with Category 2 force winds and very heavy rainfall. There was widespread damage inside of our borders and the surrounding SW Florida communities. There was scattered high stormwater levels that crested some canal banks and caused a considerable amount of road flooding. Several homes downstream of the District, built in identified flood plains with finished floor elevations below the minimum FEMA 100-year storm elevations reported interior flooding. This event emphasized the need for more stormwater projects all over Lee County, including in and around the Municipal District. This event should create some state and local funding opportunities in the future. Subsequently, southwest Florida has taken many "near hits" from Hurricanes Ian (2022), Helene (2024) and Milton (2024). While these storms had major impacts to southwest Florida, Lehigh Acres fared much better with some wind damage to homes and wash outs within our stormwater system.

The District's population has continued to grow at a high rate for the last several years. Much natural storage has been systematically eliminated. Through local partnerships, grants and legislative appropriations the District has completed many projects and have begun a new Mike She, Mike 11 modelling update to determine our shortfall in storage and where localized projects can help our system remain effective.

The first five-year strategic plan was presented in fiscal year 2007/2008 and has been updated annually since then.

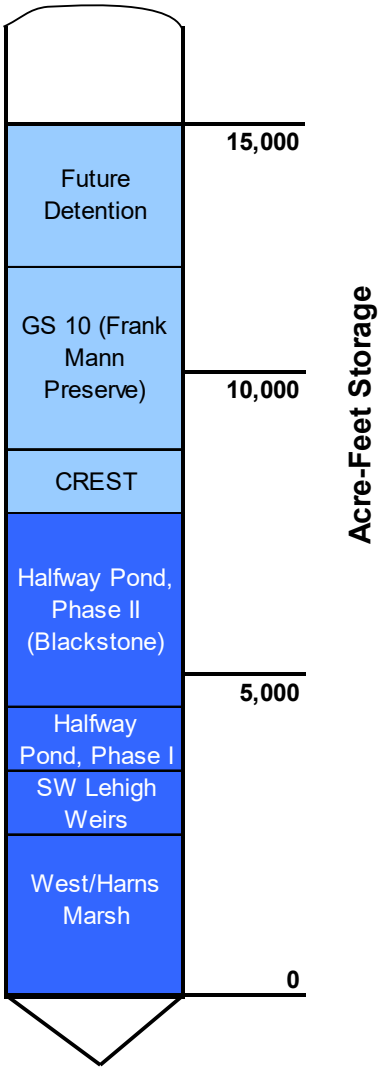
The goals, objectives and strategies outlined at the end of this report have reinforced our commitment to:

- ✓ provide the best level of general maintenance of our conveyance system
- ✓ continue to develop a high-quality, motivated and well-trained work force
- ✓ renew or replace substandard infrastructure
- ✓ plan and progress toward build-out goals
- ✓ secure low-cost financing and/or grant funding for our projects
- ✓ provide a consistent high level of services in a cost-effective and efficient manner

The Board of Commissioners have adopted revised prior Strategic Plans on these dates:

September 8, 2009	August 18, 2014	June 22, 2020
January 22, 2010	July 20, 2015	July 19, 2021
June 21, 2010	June 20, 2016	June 28, 2022
July 18, 2011	June 19, 2017	June 27, 2023
June 18, 2012	June 18, 2018	June 24, 2024
June 17, 2013	August 19, 2019	July 21, 2025

Approximate 100-Year Storage Needed for Full Build-out



Component	Unit Ac-ft	Cumulative Ac-ft
Future Detention	4,672	15,000
GS 10 (Frank Mann Preserve)	3,000	10,328
CREST	700	7,328
Halfway Pond Phase 2 (Blackstone)	2,000	6,628
Halfway Pond Phase 1	1,000	4,628
SW Lehigh Weirs	1,000	3,628
West/Harns Marsh	2,628	2,628

Note that the West Marsh volume shown is for the total Harns Marsh System

Figure 1

Contributors

Board of Commissioners:

Mike Bonacolta, Chair, Seat 4
Julie Hollingsworth, Vice Chair, Seat 1
Rebecca Thompson, Treasurer, Seat 3
David Deetscreek, Secretary 2
Katy Hoover, Commissioner, Seat 5

Staff:

David E. Lindsay, District Manager
Michael S. Cook, Assistant District Manager
Lisa Waskiewicz, Resource and Relations Director
Alexis Nielson, Administrative Support Specialist
Dana March, Finance Director
William Walker, Field Operations Director

Consultants:

Daniel Schroeder, District Engineer, Aim Engineering & Surveying, Inc.
Seth Behn, General Counsel, Lewis, Longman & Walker, P.A.
Nik Joshi, Labor Counsel, Hultman & Joshi, P.A.

Mission, Vision & Values Statements

Mission Statement

Adopted 7/20/2015

Lehigh Acres Municipal Services Improvement District is dedicated to preserving and managing natural and community resources by providing: safe, reliable, and high-quality services to its constituents in an environmentally and financially responsible manner.

Vision Statement

Adopted 8/11/2015

Lehigh Acres Municipal Services Improvement District, through the efforts of dedicated elected officials and employees, will deliver the highest quality services, provide a fair and orderly system of governance, and protect the area's environmental and community resources.

Values Statement

January 11, 2007

Diversity of our workforce

We want to maintain the diversity of our workforce to be consistent with the diversity of our community.

Integrity

We take pride in our work and are accountable and trusted to carry out our responsibilities with honesty and integrity. *We believe highly skilled and ethical managers are the foundation of a solid team.*

Service

Our ultimate responsibility to our assessment payers is our commitment to maintain District Property and Natural Resources at the highest possible level.

Teamwork

We believe that the basis for an effective team is built with well-qualified, well-trained individuals that take the initiative to seek personal development. *Employees must feel free to show initiative, take leadership and make suggestions to solve problems.*

Respect

We are committed to building an honest, fair and ethically sound relationship with both public and private organizations. *All individuals are unique and important, and will be treated with fairness, dignity and respect.*

Innovation

We are committed to using innovation, technology and best management practices to provide excellent service to all our residents.

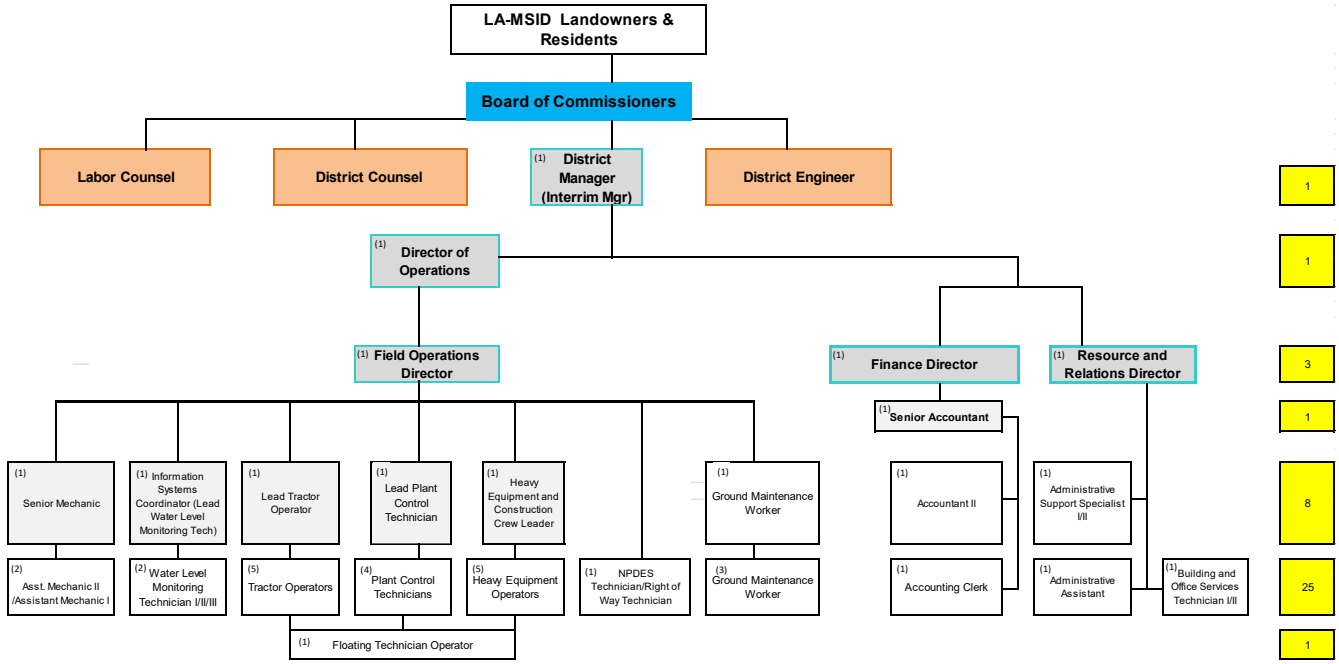
Community Involvement

We strongly believe in community involvement and actively participate in various local civic organizations.

Trust

We promote open communication, cooperation and teamwork which are shared responsibilities that are essential to the successful performance of our employees.

Lehigh Acres Municipal Services Improvement District
Organizational Structure
Approved: 11/18/24 Effective: 11/18/24



The above chart depicts that the landowners and residents of Lehigh Acres MSID elect the Board of Commissioners. The Board of Commissioners establish policy and the District Manager administers those policies and day to day operations of the District. The District Engineer and District Counsel are contracted by the Board of Commissioners to act for the District and to advise the board. The chart depicts the individual positions which all report directly to the District Manager. Total number of 39 full-time, regular employee slots.

Organization Profile and History

The Lehigh Acres Municipal Services Improvement District

Prior to the 1940s, eastern Lee County and Western Hendry County were a sparsely populated, undeveloped and agricultural area comprised of virtually flat land dotted with pristine pine flat-woods and pocked with numerous wetland areas. This type of eco-system allowed the 110 square mile area (now known as Lehigh Acres) to provide a significant amount of sheet-flow, percolation and groundwater recharge. At times, severe rain-storms and subsequent sheet-flow would overwhelm the rivers and creeks to the north of Lehigh Acres that discharged into the Caloosahatchee River at approximately 4' above sea level (NGVD). Today's State Road 82 was a natural ridge at approximately 31' above sea level (NGVD) and was used as an old cattle route, for bringing herds of cattle from Immokalee and Picayune Strand to Punta Rassa, for shipment to market. During the period leading to the 1960s, water was seen as the common enemy of the State of Florida and the primary objective was to drain it and prepare the land for development.

Inspired by the ingenuity of Lee Ratner, one of Lehigh Acres' original developers, and the concerns of the state, Judge Archie M. Odom handed down an order on May 5, 1958 creating East County Water Control District (ECWCD) – a political sub-division of the State of Florida. At that time, the State of Florida allowed developers to create drainage districts that would operate under Chapter 298

of the Florida Statutes. Chapter 298 allowed ECWCD to sell bonds, develop drainage infrastructure, operate and maintain the infrastructure and assess non-ad valorem taxes to pay for the work, among other powers. Enabling legislation was added that provided for five Supervisors to govern the new district.

As Lee Ratner and "Lee Land and Title" (Lehigh Corporation) developed roads and the other necessary infrastructure to prepare Lehigh Acres for development, East County Water Control District was engaged to implement the creation and maintenance of a drainage system. The area now known as Frank Mann Preserve or Section 10, which is on North Joel Blvd., was used to mine road base rock material to build many of Lehigh's copious roads. During that era, the method of electing the Board of Supervisors for ECWCD was by one-acre, one vote. Lehigh Corporation owned the vast majority of the land and, therefore, controlled ECWCD. The Board for Lehigh Corporation was also the Board for ECWCD. As the land was platted for development, the canals, lakes, and other infrastructure were dedicated to ECWCD (other canals and lakes that were owned by Lehigh Corporation were also deeded to ECWCD).

It was not until the mid-1970s that the State of Florida discovered damage due to the "over-draining" from Lehigh Acres and the overall negative effect that this was having on Florida's water resources. In 1975, steps were taken to correct the situation when the State and Federal agencies performed a rapid investigation on the practice of wetland drainage. Their final report determined that there was extreme "over-draining" of stormwater from ECWCD lands. Governing agencies forced the ECWCD to install many "temporary" water control structures in their canal system to better manage the stormwater and promote ground water recharge. Most of these temporary structures were in operation until well into the 2000s.

In 1979, ECWCD evolved from a drainage district to a water control district in order to preserve and protect water reserves using a combination of drainage, storage, and best water management practices. By 1988, as a majority of land was sold to residents, Lehigh Corporation began to lose control of the

Board's decision-making power. Legislation was approved to change the election of ECWCD Board Members from one-acre/one vote to a general election, popular vote. Lehigh Corporation completely lost control of ECWCD by the early 1990s.

ECWCD plays a crucial role in the community by preserving and protecting water resources in an area burdened with both intense drought and excessive rainy seasons. Lehigh Acres averages 52 inches of rain per year, with actual totals ranging between 36 and 80 inches per year. The rainfall is seasonal with three to four months during the summer contributing the majority of rain, with tropical systems also significantly contributing to the annual total (Scholl).

All of ECWCD's stormwater discharges through one of the four (4) existing outfalls to the Caloosahatchee River, from west to east they are: 1) Orange River 2) Hickey's Creek 3) Bedman Creek 4) Carlos Waterway. The Caloosahatchee River transitions into the Gulf of Mexico in areas known as estuaries. These estuaries are sensitive to a seasonal over-abundance of salinity or fresh water.

Lehigh Acres developed rather slowly for many years, having only 33,000 residents as of the 2000 census. During that period, many landowners stopped paying their assessments, as they felt that the land was valueless. The area experienced a construction and real estate boom beginning in 2005 that preceded the boom nationwide. Real estate prices increased tremendously and as the population swelled ECWCD, along with all governments began revising their Capital Improvement Plans to reflect the rapid growth. Practically all delinquent ECWCD assessments were paid as the underlying land gained value and ECWCD revenues exceeded budget projections. ECWCD was also able to sell spoil (dirt) to support the construction boom. These factors and others helped ECWCD keep assessment rates low.

During the real estate boom, a modeling study of the stormwater system was commissioned and performed by ADA Engineering, to analyze population growth and future flooding potential. This report was completed in 2007 and indicated that ECWCD will be approximately 15,000 acre-feet short of needed storage when Lehigh Acres is completely built-out. Following the completion of this study, the ECWCD Board immediately began to look for solutions to the District's stormwater storage problem. ECWCD

had been striving for affordability and effectiveness as it pursued innovative solutions to issues that were identified in the modeling report. Beginning in 2007, the housing boon waned and signs of a recession began to become apparent and by the summer of 2008, the nation was in a full-blown recession.

In May of 2008, the Lee County 20/20 Program agreed to purchase 200 acres adjacent to Harns Marsh (now known as the West Marsh). Lee County had allowed ECWCD to create a stormwater system on this parcel to provide better water quality in the Orange River and provide additional storage for high-flow rain events. The District signed a Memorandum of Understanding with the Lee County Board of County Commissioners on 12/11/2008, which divided maintenance responsibilities in the West Marsh and preliminary design of this project was completed in 2010. The census of 2010 marked the population at 86,000. Construction of the "West Marsh, Phase I" began simultaneously and provided fill for the State Road 82 Widening Segment I in the Summer of 2017. West Marsh Phase II excavation provided fill for Segment II of the State Road 82 Widening and was completed in December 2020. Phase III, including construction of the operating water control structures and the planting of thousands of native trees and plants, was completed in March 2021. The widening of Hendry Extension Canal began in January 2019 and provided fill for the Segment III and IV of the State Road 82 widening.

In April 2012, funds became available from the South Florida Water Management District to design and construct a pump station at Halfway Pond, also known as "Moving Water South, Phase I". This project was identified in the 2007 ADA report as part of the storage solution. The construction for this project was completed in October 2012 and has contributed at least 1,000 acre-feet annually towards reducing the District's storage deficit, along with providing freshwater relief to the estuaries in the Caloosahatchee River Basin and groundwater recharge in Lehigh Acres.

By 2014, the recession had run its course. Existing abandoned homes were being bought, new homes were being built again, home prices were on the rise and the State of Florida was realizing a substantial revenue increase. The Board and staff were as determined as ever to accomplish their mission, while being sensitive to the current economic pressures that were still facing our residents and the world

around us. The projected population of Lehigh Acres as of January 2015 was 115,000 (BEBR Dept. of the University of Florida).

On June 10, 2015, Governor Rick Scott signed Chapter 2015-202, championed by local State Representative Matt Caldwell into law. With this action, ECWCD was dissolved and the Lehigh Acres Municipal Services Improvement District (Lehigh Acres MSID) was created. All acts, property, obligations, and liabilities of the former ECWCD were transferred to the newly created Lehigh Acres MSID.

What this change in law and the creation of the Chapter 189 special district helps achieve, is a more clearly defined scope of our services – which remain what they have always been: drainage and flood control; conservation and mitigation; irrigation; navigation; roads/bridges; and limited parks powers. The new law was significant as it provided the potential to oversee the following additional services: streetlights, sidewalks, community signage, local planning, and potable water and sanitary sewer for the Lehigh Acres community.

As part of this change, legislators provided language that would allow Lehigh Acres MSID to study these new powers. However, these are not automatic powers. If the results of the study are favorable, the Lehigh Acres MSID must first enter into an agreement with Lee County and present our community with a referendum vote in a regular general election.

Great consideration was given to the powers added into Lehigh Acres MSID's legislation; consequentially, with the passage of this bill it is clear legislators felt these powers could be appropriately governed by the expertise of our board and staff. On November 6, 2018, the District brought its first referendum before the people of Lehigh Acre for a vote. An overwhelming 70.12% of the voters cast their ballot in favor of the referendum and community signage became the first added power since Lehigh Acres MSID was created in 2015. The District unveiled the first of five planned welcome signs on January 13, 2021.

The five-member, publicly elected Board of Commissioners of ECWCD will continue to serve as the Lehigh Acres MSID Board of Commissioners and their terms of office will remain the same. ECWCD was previously funded through non-ad valorem assessments – an annual flat-rate tax that is based on the size of a parcel, not its value. This continues to be the same manner in which Lehigh Acres MSID is funded.

LA-MSID completed the third and final phase of the West Marsh project in 2021. Aided by many grant sources and FDOT fees, the $13,200,000 project was completed in March 2021 with less than 5% of the total being covered by District assessments. The District then turned its attention to a similar project, the CREST project in Hendry County. In 2017, following Hurricane Irma, the District received financial assistance from the National Resource Conservation Service (NRCS) to move and rebuild Structure Hendry 2, as a first phase of CREST. LA-MSID has been awarded a $2 million water quality grant from FDEP in 2021 to start construction on CREST, Phase II. In 2022, the legislature awarded $4-million to LA-MSID to build CREST, Phase III. In 2023, the Legislature awarded through appropriations $1,500,000 for the purchase of the Leeland Sinkhole and $250,000 for the purchase of a parcel necessary for the ROBUST project in northeast Lehigh.

LA-MSID did not stop there. In 2024, LA-MSID was awarded $15.5-million Governor's Grant to continue design and to build Frank Mann Preserve. Also, the legislature awarded LA-MSID $1.5-million for ROBUST-Phase II and $2-million for the purchase of a building adjacent to the sinkhole and site improvements. Unfortunately, the sinkhole grant was vetoed by Governor DeSantis. In early 2025, LA-MSID was awarded $1.705-million to complete ROBUST-Phase III.

During the 2025 Legislative Session, LA-MSID was extremely successful in securing funding with a $2.2-million appropriation for the addition of an interpretive center and land improvements at the Leeland Bottomless Lake (sinkhole). Additionally, a $1.6-million appropriation was added to earlier appropriations for a grand-total of $4.805-million to complete the Robust project. All projects are in various stages, moving toward completion.

LA-MSID has again partnered with Lee County based on the County's need for land to complete the Alico Road to Sunshine Boulevard Connector and Widening Project. The final agreement is close to finished. As a trade-off for LA-MSID's land and loss of storage, Lee County will be providing funding for a new full model of the District's drainage system, three new structures, a rebuild of Structure Sailfish 1 and a stormwater flood retention project at the County's Buckingham Trails location. The modeling is underway since January of 2026.

Understanding This Strategic Plan

This strategic plan utilizes a traditional **SWOT**-style analysis. The acronym *SWOT* stands for **S**trengths, **W**eaknesses, **O**pportunities and **T**hreats.

Strengths are internal and are assets, resources or conditions of our District that the Commissioners or staff can control and give us an advantage over others; they can be budgetary, controls, activities or policy driven, etc.

Weaknesses are internal and are assets, resources or conditions that the Commissioners or staff can control and improve upon; they can be budgetary, controls, activities or policy driven, etc.

Opportunities are external and are factors or conditions that the Commissioners or staff can achieve and provides an advantage such as: things that are controlled by other agencies, private entities or the public, that is or can be a benefit for LA-MSID. They can be county or state policy, commodity pricing, the economy or public attitudes, etc.

Threats are external and are factors or conditions that the Commissioners or staff have little control of; or things that are controlled by other agencies, private entities or the public, that is or can be a detriment to LA-MSID. They can be county or state policy, commodity pricing, the economy or public attitudes, etc.

Program Objectives, Strategies and Goals (OSG) make up the final section. Each of these OSGs are directly derived from the strengths, weaknesses, opportunities or threats listed herein. These OSGs will guide the District in its quest to become stronger over the next five years.

SWOT

Strengths	Weaknesses
Leadership, Staff and Performance Technology Facilities Financial Position Operations	Facilities Management and Growth Plan Perceived Identity/Messaging Technology Succession Planning Financial Limits
Opportunities	**Threats**
Bank, State and Agency Funding Political and Resident Support Cooperative Efforts with Entities Increases in Technology Additional Powers The Economy	Labor Relation Issues Regulations/Unfunded Mandates Financial Changes Changes to District Makeup Environmental Concerns: Natural or Man-Made

Critical Issues and Strategies

SWOT ANALYSIS

STRENGTHS (Internal)

1. LEADERSHIP, STAFF AND PERFORMANCE

A. Open-minded Board of Commissioners – The Board realizes that they must always look to the future population growth and to employ long-range planning efforts. They have commissioned several studies that will provide the science and facts needed to make the most prudent decisions, even though the decisions made may not be popular to all. The Commissioners act on issues based on the state of the economy and the understanding of how assessment increases affect the residents of the District.

LA-MSID strives to increase the community education effort, so that the public can continue to support the work of the Board. The District will listen to the pulse of the community to determine the direction LA-MSID should take, whether it is to increase infrastructure, maintenance or to enact the powers afforded to them from the Florida Legislature. The Board members take an active role in formulating community partnerships. **Objectives and Strategies: A2c, A2e, A3a, A3b.**

B. Training and Safety of Staff
LA-MSID staff members are highly-trained in their field. The list below highlights some of LA-MSID's in-house skills. Our employees bring with them a variety of additional skills that have been a great help in special projects:

- Seven operators with skills on many types of heavy equipment: track excavator, long stick excavator, loader, bulldozer, skid steer, rubber-tire back hoe, forklift, water tanker, offset hallow disc, hydro-seeder, brush chipper, vibratory plate compactor, dump truck, off-road dump truck, low boy semi and trailer.
- Six CDL Class "A" Licensed Drivers able to transport all LA-MSID equipment
- Six skilled slope and flat mower operators
- Four licensed pesticide applicators
- Three experienced telemetry technicians
- Three welders and fabricators
- Two mechanics with back-up

- Highly skilled and educated administrative and other staff with members holding eight bachelor's degrees in: Accounting, Business Management, Engineering Technology in Construction Engineering Technology, Management and Supervision, Political Science, Communications and Public Relations, etc. and master's degrees in Public Administration, Business, and Communications.
- Four with varying levels of accounting experience
- Four management staff are Certified District Managers
- Three administrative staff with Certified District Admin Professional credentials
- Very knowledgeable and active public relations personnel
- LA-MSID has recently opted to piggy-back off of Lee County's lawn maintenance contract to limit the number of weed-eating crew, as our responsibilities continue to grow,

Although the private market and wages paid are somewhat higher than our wages, LA-MSID strives and succeeds in hiring quality employees and "training our own operators" by providing the proper level of training, while also striving to maintain a motivated workforce with positive attitudes. We will continue to consider maintenance contracts in areas that our responsibilities experience growth. **Objectives and Strategies: A1b, F2c**

2. TECHNOLOGY

The Commissioners and staff believe in the "do more with less" philosophy. LA-MSID is an organization that prides itself in regularly using technology to be more efficient and/or save money as indicated in the following areas:

- The District's new website was launched in April 2022. It is more user-friendly and ADA-compliant than the previous one.

- Software: Accufund Accounting Suite, on-line banking with positive pay which eliminates check writing fraud, Excel, Access, Archive Social, Municode/Civic Plus, OpenGov, telemetry, GIS, GPS Tracking, Time and Attendance Management, Microsoft Project, newly developed LA-MSID-specific databases and Outlook.

- Herbicide chemicals: selection, testing, staff-built invert spray rig, and many staff innovations.

- Heavy equipment: modernized upon replacement, increased fuel efficiency, track excavators, bulldozers, loaders, skid steers with many attachments, AQUA-BARRIERS, rubber tire backhoe, on road dump trucks, off-road dump truck converted military vehicle to water truck and converted military vehicle to swamp buggy/tour tram.

- GIS: budgeting, mail outs, mapping, tax roll certification, reporting, permits, and facility inventory.

- Databases: complaints, maintenance records, fuel use, parcels, permits, agenda item sheets, and publicly available database use.

- Telemetry: water control structures, weather stations, and video

- Communication: website, community outreach events/education, news releases, weather station, and satellite redundancy for internet and phone.

- Information Technology – wireless laptops and GPS tracking systems on vehicles and equipment

- Procurement Card Program: Makes transactions simpler, accounts payable processing more efficient; reduces bank fees, reduces check stock and postage expense and can provide a return of funds based on spending. The program also allows the District to monitor credit card usage and easily change individual credit levels on an as needed basis.

- Paperless processes and reporting: Board meetings, financial reporting, scanning archives and web site.

- Mobile Management and rights-of-way inspections: The Field Operations Director is much more efficient and can access the Lee County Property Appraiser website etc., to allow them to "Manage on the Move".

- Time-clock using new technology: provides the District with a method of tracking employee time and attendance with finger print id's, complimented by auto entry into our accounting software, and eliminates exhausting and error-filled paper methods while enhancing security along with saving staff's precious time.

- Construction: Staff has completed five culvert replacement projects, with one more planned, using a slip-lining method that will save time and money. Staff is utilizing "aqua-barrier" technology to quickly and efficiently coffer-dam our projects. We have been utilizing the Florida Department of Forestry's surplus equipment to bring free, used parts and vehicles back to the District.

- ROV : The District has recently purchased a Remote Operated Underwater Vehicle to inspect culverts on a rotating basis and after a new utility crossing and also to inspect the Leeland Bottomless Lake.

LA-MSID strives to stay on the cutting edge of technology, specifically when LA-MSID can save valuable time and money or provide a superior service. Staff needs to stay current with changing technology and only recommend purchases to the Board that make fiscal and practical sense, under all economic conditions. Highly-trained staff, at proper operating levels, must be retained to ensure the efficiency of data entry and the overall accuracy and location of our data. Staff needs to increase efficiency and effectiveness of the technology as replacement of equipment becomes necessary. **Objectives and Strategies: A2i, F3b.**

3. FACILITIES

A. Central Location and Modern Facilities – LA-MSID's campus sits on an 8.7 +/- acre parcel that is very centrally located. The District's campus is comprised of three modern buildings which are home to all of the District's administrative and field staff. They include an administration building that, in addition to office space, houses a multi-purpose room that is used for public board meetings and a polling place; a fleet maintenance facility which includes a fuel station and wash-bay; and a renovated chemical storage facility, providing staff with a very efficient work site. The District's facility upgrades have allowed staff to complete projects as quickly as possible, and in turn helps to keep assessments low. A future additional equipment storage area is planned. Another office space in the administration building was completed. A total of seven shipping containers are in service.

The campus is fully serving our current needs. There is also undeveloped land for two additional buildings on our site for future growth, if needed. The site work that is in place provides for all stormwater, sanitary sewer, potable water and space for parking needs of any additional buildings. The Board and staff should continue planning over the next several years to anticipate any necessary growth, such as an intergovernmental emergency and operations center or needs based on adding a new power. **Objectives and Strategies: A1d.**

B. Great Backbone Drainage System – Construction of LA-MSID's drainage system began in the 1950s when water was considered the "common enemy" of the State of Florida. The State determined that following the construction and operation of the canal system, LA-MSID's system over-drained the land, forcing LA-MSID to build a weir system. In the 1990s LA-MSID changed its philosophy to water control, rather than stormwater drainage only. Our goal is for all LA-MSID weirs to operate at a lower elevation to provide flood protection in the wet season. In the dry season, our goal is for all weirs to operate at a higher elevation in an attempt to hold more water in our system and to recharge the surficial and sandstone aquifers, as well as provide adequate aquaculture for native flora and fauna. Several of our current (GS 10, ROBUST and the C.R.E.S.T. (Dog-Hendry Connection) Phase III projects will benefit all of these goals.

LA-MSID's system will continue to be maintained and improved when practicable, to provide the maximum storage, flood control, aquifer recharge, aqua culture and water quality for the assessment payers and the environment. District staff operates under a maintenance plan (updated every year) and a facility operations manual. The District is always looking for opportunities to expand its capabilities. **Objectives and Strategies: A2b, F1a, F2a, F2b.**

4. FINANCIAL POSITION

A LA-MSID has enjoyed an unmodified audit for many years and has received "no management comments" for the last nine out of 10 years. T.Y. Lin completed a bridge study and LA-MSID started the bridge fund in 2018 to start building reserves for repairs and eventual bridge replacements.

The District's mission is to preserve and protect water resources. As the needs of the community, environment and staff change, the Board must acknowledge those needs by evaluating crucial projects and assessment rates. LA-MSID will strive to keep assessment rates affordable for the foreseeable future. **A2d**.

B. Ability to Raise Revenue – LA-MSID is a multi-county, Chapter 189 Special District, and as such has the power to levy non-ad valorem assessments. The Board weighs necessary improvements to our system to the assessment rate needed to achieve these actions. The Board of Commissioners are always very conservative when determining the assessment rate for the property owners. 2025 was the last time that the assessment rate was increased. Rates have remained the same since. Due to LA-MSID's independent special district status, there is very little budgetary oversight from local government agencies. Should LA-MSID have a crisis, we have the ability to identify the needs as well as the means by which revenue can be raised.

Most Lehigh Acres residents own a ¼ acre parcel, so the yearly assessment is only $43.12! LA-MSID's legislative language should remain intact so as not to disturb the ability to levy non-ad-valorem assessment. The district has an intermediate-term goal of operating without any debt service by 2030. This goal is made possible by opportunities for partnership with other agencies and private sources. The State of Florida has been flush with revenue due to the increase of

tourism and the receipt of federal funding due to recent hurricane damage in southwest Florida. Tourism has increased taxes significantly, creating a better opportunity for landing grants. Over the last 20-years, the District has secured more than $70 million in grants or ! **Objectives and Strategies: A2a**.

C. **Steady Revenue Stream –** Whereas other agencies (that depend on ad-valorem taxes as their main source of revenue) may experience a ballooning of their revenue during economic upswings and a collapse of revenue during a downturn, LA-MSID's revenues will be steady. By relying on non-ad valorem assessments (based on lot size) as our main revenue source, LA-MSID has remained at a reasonable and healthy revenue level. Also, the legislature has not limited LA-MSID's ability to raise revenues, if necessary, in an emergency, or to maintain its infrastructure, operations and future projects**.**

LA-MSID will continue to be active with the Florida Association of Special Districts (FASD) and be willing to participate and/or support actions by the FASD that will protect LA-MSID, its objectives and goals. We must work with our local delegation members to educate them about LA-MSID's public benefit and increase their awareness of the steps we take to keep our assessments affordable while providing necessary services. **Objectives and Strategies: A2a, A2b.**

D. **Necessary Capital Projects and Purchases** – LA-MSID has been very diligent for the last 20-years, constantly rebuilding ailing infrastructure and replacing capital equipment. Recently the District completed the CREST, Phase II Project. We have replaced or constructed 119+ water control structures (weirs). We have replaced 121 of the 375 culvert crossings. Our capital equipment is replaced on a revolving plan and is kept up to date. We have sought out and cemented partnerships with peer organizations/agencies to secure funding for crucial capital projects without the need to increase assessments.

LA-MSID will continue its program of a 4-Year Facilities Inventory (inspecting one-quarter of our infrastructure, every year), 5-Year Capital Improvement Plan (updated every year), Strategic Planning (updated every year), District modeling (updated this year) and a 5-Year Capital Purchase Plan (updated every year). The District has completed thirteen-years of in-house culvert replacements (total of 85 culverts replaced in-house since 2010). The District will strive to meet our Rain-Gauge based storage goals. Staff is constantly looking for alternatives to lower costs or increase efficiencies. **Objectives and Strategies: A2b, F1a, F3f, F3b.**

E. **Equipment and Infrastructure –** LA-MSID owns and maintains its own fleet of heavy equipment, mowing tractors, spray equipment, vehicles, and smaller mowing equipment. LA-MSID has the responsibility and ability to maintain 311 miles of canals, 25 lakes, 375+ culvert crossings, 22 bridges, 119+ water control structures and 2000+ acres of preserves in a manner that the community can be proud of. We are always looking for ways to further enhance our maintenance practices.

LA-MSID strives to retain highly skilled employees. We strive to preserve the necessary institutional knowledge and to provide needed services in an efficient manner. The District continually reviews needed projects, for implementation. Management evaluates both cost benefits and reviews staff's advanced skills to try and bring projects in-house when possible. Currently, the District is able to replace failing culverts with in-house staff. The in-house replacement of culvert crossings saves the District approximately $50,000 per culvert. LA-MSID needs to continue this in-house replacement process. LA-MSID's staff also has the skills necessary to perform many of the maintenance and repair activities needed to maintain our fleet of vehicles

and heavy equipment. This enables LA-MSID to maintain the District's infrastructure and virtually eliminate outside costs and down time. **Objectives and Strategies: A1b, F1a, F3f**

F. Funding for Future Bridge Failure and Maintenance

This item has gone from a weakness to a strength. The District owns 22 bridges that were built between 1958 and 1992. To date, there has been only minor maintenance performed based on findings of State bridge inspections. The time is coming when LA-MSID may have an expensive repair or even a failure.

The District should continue to address the potential short-fall of funding in 2025-2026. The fund currently has $1,381,798, less any maintenance expenditures for the rest of the year. This is about enough to replace one entire bridge. The funding should have the ability to fund (1) yearly maintenance, (2) minor or major repairs, (3) replacement design & permitting and replacement construction. There is a possibility of LA-MSID giving away roughly 8 bridges to Lee County over the next 8-10 years, as they alter them. **Objectives and Strategies: F3i.**

5. OPERATIONS

A. Additional and Improved Policies – LA-MSID has an extensive list of policies and procedures in place and is constantly updating them to stay current. There has been a lot of discussion at the Board table about additional policies. LA-MSID has recently re-vamped our Finance Policy.

Staff should pursue drafting new or updated policies with vigor, as the need arises. Soon, we will be creating a Succession Policy. **Objectives and Strategies: A1a.**

B. Sense of Community – While the Board of Commissioners and staff have always put F.S. Chapter 189 and 298 powers prescribed by the state and its special acts at the forefront, they are also very much in tune with community organizations and their activities. If there is any way to provide a win-win situation for LA-MSID and the local community, the Board will seriously consider the action.

The Board and staff attempt to always be in-tune with the community's needs. LA-MSID needs to continue its collaboration with all related planning organizations to ensure the best potential outcome for our residents, as it relates to our powers. The Resource and Relations Director has implemented several community-based, educational events that have been widely applauded and well attended. Outreach and Education efforts are just a way to reach our community but are integral parts of our reporting for grants, MS4 and NPDES reports and is integral to the overall success of the programs; as the District grows and the community grows so will the outreach efforts. The Leeland Bottomless Lake presents an opportunity for LA-MSID to create more community spirit and cohesiveness. The land has been purchased by LA-MSID and the legislature has approved the funding for the purchase of the adjacent building and improvements on the parcel, we are waiting on the Governor's consideration. **Objectives and Strategies: A2c, A2e.**

WEAKNESSES (Internal)

1. FACILITIES MANAGEMENT AND GROWTH PLAN

A. Lack of Stormwater Storage

In 2007 and with updates, LA-MSID has charged AIM Engineering and ADA Engineering with the task of modeling LA-MSID's stormwater system. The main goal of the model is to simulate build-out in Lehigh Acres, along with simulating various 25 to 100-year storm events to determine what will happen within LA-MSID's borders as well as the impact to areas downstream of LA-MSID. The model results indicate that LA-MSID was approximately 15,000 acre-feet short of storage at full build-out of Lehigh Acres. That is equivalent to a lake that covers six-square miles, four feet deep. In November 2016, an extensive update to our District-wide model was completed. As part of ongoing negotiations with Lee County regarding the Alico Road to Sunshine Blvd. extension and widening, Lee County has agreed to provide a District-wide modeling update in 2026.

LA-MSID should continue modeling efforts to become more precise. In addition, we need to evaluate various project options and take the most responsible course of action to alleviate the storage shortfall and any other concerns. The Board and staff are working diligently to find, design and build the proper infrastructure to stay ahead of this shortfall, while being sensitive to the economic conditions. With the 2026 modeling effort, we will learn about our abilities to meet future needs. New projects may grow out of that. **Objectives and Strategies: A2a, A2b, F2a, F2b.**

B. **Vulnerability of Aging/Failing Infrastructure** - While the District has done a good job in repairing or replacing failing culverts and water control structures (weirs), there is an abundance of culverts and bridges in our system that could fail over the next 20 years. The cost of replacing each one of our 22 bridges could range between $2 million to $4 million, when you factor in both the design and construction cost. In addition, we have approximately 225 remaining metal culverts in our system that could start to fail at a rate of 10-15 per year. Currently, they are failing at a rate of 5-6 per year. It has become apparent that our first modern sharp-crest weir, built in 1995 has become obsolete and cannot meet today's demands. A brand-new weir is planned.

Staff must continue its infrastructure inspection efforts by inspecting one-quarter of the District's infrastructure each year. The Board needs to stay apprised of all developments related to failing structures. The Board will need adequate lead time to make preparations for funding and replacement. Staff should continue its efforts to repair and upgrade water control structures each year. Talks should continue with Lee County with an emphasis toward their ownership of the bridges and roadways over the culverts and their participation in the culvert replacement projects. Bridge repair and replacement was a hot topic in 2019 and provided a new revenue stream in 2020. The District should look at setting up a fund to management growing needs, emergency needs, and growth of staff and office space. Debt Service is set to fall off in 2030 and a strong goal would be to have a healthy fund established by this time to address future needs. The ownership of several Bridges in the Sunshine Blvd. corridor may be impacted by the Lee County Road project. At that time ownership of the affected bridges may revert to Lee County. **Objectives and Strategies: A2b, F1a, F3f, F3i, F3m, F3o, F3r**

C. Lack of Adequate Maintenance Space on Right-of-Ways – When LA-MSID and Lehigh Corporation dug our canal system in the 1950s through the early 1990s, attention was not given to ensure that canals were dug in the centers of the rights-of-ways. In some isolated cases, just enough land was secured for the width of the canal, rendering maintenance nearly impossible with conventional methods. The end result, is that the District has approximately 128 miles of canals with little or no room for District equipment to access and maintain the canals. The District purchased two remote controlled slope mowers since 2020, that staff expects will be a valuable tool in helping to maintain the 12.5-mile weed eating circuit.

Staff must continue to develop new and innovative ways to achieve more efficient maintenance methods, while eliminating existing inefficient maintenance areas using "outside of the box" solutions. **Objectives and Strategies: F1a, F3j, F3l, F3a**

D. Administrative Storage Space Growing Short - Our administrative building is now twelve years old and we have run out of storage and office space. Storage items include: hard-copy paper records which we must maintain to satisfy public records laws; events equipment and materials; safety and hurricane supplies; electronic equipment, chairs and tables. The Barrett Room is growing in popularity and we often need to temporarily store excess items while the room is in use. In FY23, shipping containers were purchased for new, on-site storage space. They have been outfitted to suit current storage needs.

Staff will continue to monitor the situation and will notify the Board should LA-MSID need to implement an additional onsite storage option. **Objectives and Strategies: A1d.**

2. PERCIEVED IDENTITY/MESSAGING

While this item has not transitioned to a District strength, we are making great strides in our efforts to raise awareness of the District. The agency has been in operation for 68 years and until the mid-2000s public education was not an objective of the District. We understand educating a diverse and growing population with limited resources/budget will take time. Staff has updated a website and maintains social media sites, puts out news releases, creates and delivers community presentations and educational programs to help identify LA-MSID. The Resource and Relations Director works with community partners to create educational opportunities for residents and key target audiences. We have developed a District mascot, Able Otter, to help brand LA-MSID and educate residents and he is a hit! LA-MSID's Resource and Relations Director has been very active in a strong attempt to make this a District strength.

With increased and improved news releases on social media, we have seen progress in community awareness, but a majority of the public is still not responding significantly and accurately to LA-MSID's identity and mission. District activities usually get good coverage. Staff needs to brainstorm about new methodologies to clarify and improve our recognition. Staff has organized many successful special events, secured grants, received awards and prepared multiple public relations plans and grants but, perhaps, suffers somewhat by the lack of funding for District-wide outreach activities. Staff had provided a small outreach budget, but a majority of funding comes from grants and community sponsors to implement outreach programs.

LA-MSID's educational, public, and internal programs have received regional and state awards and recognition. In 2016, LA-MSID earned several local and state honors/awards for its public relations programs – Weather Station. The annual "WOW Festival" makes large strides toward increasing the

public's ability to discover Lehigh Acres Municipal Services Improvement District! The Supervisor of Election's use of our facility as a voting precinct has made an impact on the public in that zone of where and who we are. Other local government agencies and community organizations have displayed a growing interest in hosting meetings and events in the Barrett Room. The District has won awards for engineering and design of some of our key projects on both local and state levels, drawing attention to the innovations. **Objectives and Strategies: A2e, A3a, F3n.**

3. TECHNOLOGIES

A. Deficient Data Collection for Select Maintenance Activities – LA-MSID has reliable computer programs to collect data for accounting, time-keeping and complaints. For many years, LA-MSID has relied on staff-developed Microsoft Access databases and Excel spreadsheets to collect data, from mowing, spraying, canal clean-out, water quality, etc. These databases began to fail and become unreliable. Staff turnover also contributed to this data-collecting deficiency. Staff has continued to provide on-paper records for daily maintenance activities. Staff has begun the process of looking for inclusive replacements for some databases.

Staff should focus their efforts to finish the fuel monitoring and database system, as well as a vehicle and equipment repair database. The answer may lie with a comprehensive government maintenance software program. **Objectives and Strategies: F3h.**

OPPORTUNITIES (External)

A. POLITICAL AND RESIDENT SUPPORT

LA-MSID enjoys an era of very favorable status with Representatives and Senators in the Florida Legislature. We also have experienced a rather long period of smooth operations due to system improvements and a Board that has worked very well together for a long time. This provides an overall favorable opinion of the District. The District has been very successful working with the legislature in 2025 securing $3.8 million.

Although LA-MSID has a very advanced and celebrated public information program, the District needs to continue to step it up another notch in the use of the media information program and also continue to educate the public through the use of brochures, events, partnerships, PowerPoint presentations, etc. This may include increasing funds available for outreach for ads, events and materials, etc. Additionally, there will be an increase in networking to build relationships with key community organizations and leaders. Information can also be disseminated through the school system and other suitable public forums. LA-MSID has produced a professionally-made educational video and has plans to update it frequently for use as a marketing tool. **Objectives and Strategies: A2e, A3e, A3b.**

B. COOPERATIVE EFFORTS WITH ENTITIES

There are several entities that need LA-MSID's support or cooperation to help cut the cost of their respective projects. FDOT and LDOT often need fill dirt and stormwater storage ponds for road projects. LA-MSID can help them in their endeavors by thinking "outside of the box". Developers need access to our water control system in order to provide a positive drainage outfall; Lee County Parks Department needs additional land for park projects, etc. Offering our assistance to these different entities can also pave the way to strengthening our professional relationships. Cooperation through memberships, awards; assistance with grants; working with Cathy Olson and the Bird Patrols at Harns Marsh; Lehigh Community Initiative in community trash removal events; and other projects can benefit LA-MSID and our assessment payers. SFWMD has always been a great partner with LA-MSID through the Caloosahatchee River Watershed Program and the Lehigh Headwaters Initiative. Continued efforts with FDOT with their road-widening efforts can vastly benefit both agencies.

As entities contact LA-MSID for assistance with permitting, easements, etc., negotiations should ensure that will also facilitate the entity helping LA-MSID meet District goals. **Objectives and Strategies: A2e.**

C. INCREASES IN TECHNOLOGY

Technological breakthroughs can allow LA-MSID to complete tasks more efficiently, lower costs and use less manpower. Our Actsoft GPS Tracking software, remote-controlled slope mowers, drone and ROV operation are all good examples of this.

Technology continues to evolve at a rapid pace. We must continue to keep our eye to the horizon through publications and organizations that stay current with new technology. The District will evaluate tools we

already have – for instance using GPS software to identify improvements in time management and work assignments to help reduce costs. The District should study available products and programs and training to help improve operations.

D. GAINING ADDITIONAL POWERS

LA-MSID always keeps the needs of the residents within our District in the forefront to determine when help is needed. In 2015, Representative Matthew Caldwell championed House Bill 1255 in order to change East County Water Control District (ECWCD) from a Florida Statutes Chapter 298 drainage and water control district to a Florida Statutes Chapter 189 improvement district to provide a more clearly defined scope of services. On June 10, 2015 Governor Rick Scott signed House Bill 1225 into law dissolving ECWCD and transferring all of its acts, property, obligations, and liabilities to the newly created Lehigh Acres Municipal Services Improvement District (Lehigh Acres MSID). As part of this change, legislators provided language that would allow Lehigh Acres MSID to study new powers in limited areas such as: sidewalks, street lights, community signage, local planning, and water and sewer services.
However, these are not automatic powers. If the results of the study are favorable, the LA-MSID must first enter into an agreement with Lee County and present our community with a referendum vote in a regular general election. In 2018, LA-MSID successfully completed all of the steps to add community signage to our permanent powers. The referendum was successful at a margin of 70% voting in favor to 30% voting against.

LA-MSID added signage powers and must continue to consider the needs of the District and the assessment payers to determine if adding powers will meet their needs. The Board determined that there was not enough support to pursue powers for the November 2022 General Election. The Board will study the need for other powers and make necessary connections with the County ahead of the 2024 Election and strive to present a referendum for a new power to the voters during this election cycle. Recently, there is renewed interest in adding street lighting powers. An inquiry to Lee County Commissioners by Commissioner Bonacolta has revealed that there is interest in moving that forward following the current streetlighting construction phase. **Objectives and Strategies: A2c.**

E. THE ECONOMY

The nation and the residents inside of our District had been decimated by the housing slump from 2007 to 2012. This led to many foreclosures and up to 6% of uncollected assessments. Some residents experienced higher property taxes and all faced higher fuel prices, and moderate inflation. From 2014 to 2024, the economic outlook has greatly improved. The vast majority of delinquent assessments have been paid, housing prices have increased significantly and unemployment has decreased. Construction is on the rise and our population is at 135,000. There are some experts that believe that there will be a recession in the near future. According to the Lee County Community Development Office, during March 2025, contractors pulled 394 permits to build single-family houses collectively valued at about $76.3 million in Lehigh Acres. That compares to 314 permits issued in March 2024 and 230 issued in March 2023, according to the Lee County Department of Community Development. There are mixed signals from the economy. The signals are split right between local and the federal level. From the local level, the housing market is booming, wages are on the rise and there are many job vacancies. On the federal level, the housing market is crashing, interest rates are holding at a high level and inflation is increasing faster than any time in the last 35 years. Unfortunately, the influx of people moving to Florida and inflation are driving up the cost of construction for new projects. In 2026, the war in Iran,

tariffs the war on cartels and other issues has the economy reeling. Time will tell whether these changes will create a stronger or weaker economy.

LA-MSID has held steady the percentage for uncollectable assessments in the 2024/2025 taxes and has a surplus of revenue from 2024/2025 and Budget to actual reports indicate that staff had spent significantly less than budget. This can be used for future needs, i.e.: construction, land purchase, etc. Over the last couple of years, hiring has been difficult and employee wages for new hires have increased significantly. The economy is in flux which could put a strain on our budget. **Objectives and Strategies: A.1.e**., **A.2.a., A.2.c., F2c**

F. BANK, STATE AND AGENCY FUNDING

Bank funding has not been an issue of late. State funding through appropriations and grants have been so strong that LA-MSID has not applied for a loan since 2012. SFWMD, FDEP and state appropriations grant programs have been very well-funded, due to a revenue surplus. The State of Florida has created funding sources for stormwater projects through changes in the constitution and other means. The District has receive funding for the ROBUST and Sinkhole projects from the legislature, pending the Governor's ability to veto. The District applied for Federal grants in the past and plan to apply for more as they become available. The District also received a $15,500,000 Governor's grant in 2024.

*LA-MSID staff must stay in compliance with its existing loan and grant agreements and should also attend any educational opportunities offered by the funding sources in order to stay current**.** The Board and staff will continue efforts into improving our budgeting format to satisfy lenders changing requirements. The District had secured a low-cost loan in 2012 to refinance our campus construction. Cooperative grant opportunities from other agencies are becoming available because of forced planning efforts due to the poor economy and "out of the box" thinking by District staff.* **Objectives and Strategies: A2a**

THREATS (External)

1. LABOR RELATION ISSUES

A. Union-Management Conflicts

LA-MSID Board and staff have worked hard to provide a fair labor contract for the employees and the assessment payers. A delicate balance must be maintained in the future. The District had negotiated a new 3-year contract for FY24-27. The contract is coming up for negotiation again in February 2027.

The Board and staff must maintain open communication with union representatives and shop stewards while staying in compliance with the current Union Contract. Maintenance of a well-trained, educated, content and hard-working workforce is essential to LA-MSID, while providing salaries and benefits comparable to other agencies that have the same general mission and/or activities. **Objectives and Strategies: A.1.a**.

2. REGULATIONS/UNFUNDED MANDATES

A. Loss of Chemical Labels or Availability/New Non-Native or Invasive Plants

There are several EPA approved chemicals that LA-MSID currently uses to combat undesirable vegetation in our canal system. Chemical companies must spend big budgets to maintain the testing needed to continue to sell their products. Sometimes they determine that it is not worth their efforts, or they realize that they are a sole-source provider and raise their price to a point that LA-MSID cannot afford the chemical. The EPA has required chemical manufacturers to change their safety labeling programs. This changes the National system of MSDS sheets to a Global Harmonized System (GHS) known worldwide as SDS sheets. These changes alone will have a negative impact on the cost of chemicals in the future. Southwest Florida's climate is ideal to support new plants as they are introduced to the area. Several species have been running rampant for years. Glyphosate and its potential link to cancer and its ability to convert into an environmentally damaging form of phosphorus is still a concern. If the EPA label was revoked for Glyphosate, staff would have to find new method to keep evasive vegetation in check.

LA-MSID must adapt as needed, in order to utilize the least expensive and effective chemicals available, to maintain the canals. Staff will use the three-quote process to obtain the lowest chemical price available. Chemical pricing has become so volatile over the past 5 years that manufacturers are pulling chemicals off of active bid sheets. Staff also looks at application rates and the duration of plant control of all chemicals. This helps to determine which will provide the most cost effective and efficient means of plant management available. The chemical manufacturers will hopefully continue to develop products that will be safe and effective to combat the need to control these new non-native or invasive species. **Objectives and Strategies: F3b**

B. Changes in Legislation

Special districts and their issues periodically come within the sites of legislators that wish to slash the overall tax burden for tax payers. Other types of governments have been forced to limit their revenues by new legislation. The legislature has not limited the Lehigh Acres Municipal Services

Improvement District's ability to raise revenues and to pay its bills. Additional unfunded mandates, may be enacted by the Florida Legislature or the Federal Government and may fiscally or otherwise impact the District, either intentionally or as an unintentional consequence. This year the legislature increased sovereign immunity limits from 200/300K to 350/500K. Our insurance rates will be increases accordingly.

Staff and the Board need to monitor the bills that are presented during the legislative session in an attempt to impact the outcome for the residents of the District. We can do this by staying engaged with the Florida Association of Special Districts, the Florida Stormwater Association and through our District Counsel. **Objectives and Strategies: A.3.b.**

C. Federal Government Shut Downs

Major differences between democrats and republicans in Congress have caused lengthy shut downs in 2025 and 2026. Several departments are unfunded and must close down or operate at a much-reduced capacity. This has a direct effect on grant programs, regulatory oversite and permitting and training opportunities. Specifically, programs, such as the one operated by CHNEP (Coastal & Heartland National Estuary Partnership) have grant funding delayed. LA-MSID projects under design will experience a significantly lengthy permit approval process, delaying construction. FEMA disaster training is not available.

Staff and our professional services must act swiftly when the government is open, to satisfy our needs as quickly as possible. If there is any opportunity to self-fund some activities without losing grant funding, that should be explored. **Objectives and Strategies: A.1.f**

3. FINANCIAL CHANGES

A. The Bond Market –If inflation continues to moderate, the bond market will continue to moderate. In 2026, the economy is still stable, the bond market will be favorable. Loans have been the tool of choice for LA-MSID, but bonds should be considered in the future.

The Board of Commissioners and staff should perform a cost-benefit analysis before authorizing capital projects. They should consider all avenues for funding. LA-MSID should examine the Bond market, bank loans, and push hard for grants and budget requests from the legislature to help fund the projects. **Objectives and Strategies: A.1.e.**

B. **Fuel Costs** – LA-MSID can be affected by fluctuating fuel costs as much or more than other entities, because the heavy equipment and vehicles used in our daily operations consume large amounts of fuel. World political and weather events have increased the price of fuel. Fuel prices are at their highest levels since the pandemic started. LA-MSID needs to maintain its current fuel capacity or more in the future in order to maintain its current level of service. The District invested in a new fuel monitoring system in FY 21-22.

LA-MSID considers fuel efficiency when purchasing new vehicles and equipment. Alternative fuel options will be purchased when practical. LA-MSID is maintaining a fuel station on site that has made the staff even more efficient. Budgeting practices should allow for more than modest increases in fuel costs. New reporting requirements are requiring more fuel pumping accuracy. **Objectives and Strategies: A.1.e.**

C. Rising Construction Costs – Due to various pandemic, geopolitical, and supply and demand issues, construction costs have skyrocketed. What you could have built five years ago for $100,000

would cost you today from $150,000 to $175,000. Obviously, LA-MSID will not be able to complete the volume or complexity of projects in the future, unless some of these effects are reversible.

The District's General and design engineering companies, led by AIM Engineering, have an increasingly difficult job in projecting project costs. AIM Engineering and LA-MSID staff will be very conservative when planning projects until the rising costs de-escalate. The District has continued to seek funding through the Florida Legislature and available grant programs to fund these projects. **Objectives and Strategies: A.1.e., A.2.c.**

4. CHANGES TO DISTRICT MAKEUP

A. Population Growth

The population within LA-MSID's borders was approximately 87,500 in 2010 and has increased. Lehigh Acres' population has been estimated by BEBR of the University of Florida for the year 2018 at 135,000. The actual census from 2020 reported a population of 115,000, which is underwhelmingly questionable. Certain segments of the population may be unwilling to be counted. In 2025, Lehigh Acres' population may stand at 150,000 or even more! Existing and new real estate prices are at an elevated level, but, regardless of this fact, there are many new housing starts. If the population continues to grow, the workload for employees will increase. Also with growth come more schools. As the School Board buys more land for new schools, more assessment revenue is lost, as we cannot assess school property.

LA-MSID has considered a "built-out" scenario to determine storage priorities. Land acquisition priorities must be established. Design and construction can occur subsequently as our population increases. LA-MSID could make necessary land purchases while land prices are low and the population is not experiencing large growth. If LA-MSID delays land acquisition, LA-MSID may have higher land costs in the future. LA-MSID's Capital Improvement Plan can slow the planning for its immediate stormwater storage needs, while closing the need for storage for a current 100-year storm. The staff and Board must continue to plan for its future needs, while taking advantage of opportunities. **Objectives and Strategies: A.1.e, A.2.c.**

B. Loss of Access to Maintain ROWs

As Lehigh Acres "builds out", LA-MSID will lose access to some of its rights-of-way. Currently, District staff can access waterways and easements through adjacent vacant lots. Maintenance areas with limited access will cost LA-MSID more to maintain.

Staff must continue to perform a District-wide assessment to determine areas that will have no maintenance access and what the best solutions are for providing service. The District should study the District Map and identify areas where we have no, or limited easements/right-of-ways and establish a plan to gain access. Annual reviews of canal ROWs will identify encroachments. **Objectives and Strategies: F.3.a., F.3.j.**

C. Annexation into District Borders

The City of Fort Myers borders a large portion of LA-MSID's western boundaries. Lehigh Acres' Industrial Park is in LA-MSID's boundaries and is a possible target of annexation.

LA-MSID must be aware of any attempts by the City of Fort Myers to annex inside LA-MSID and to become active in dialogues to determine the best course of action. HB 1255 by Matthew

Caldwell has a non-annexation provision to protect LA-MSID in this regard. **Objectives and Strategies: A2j.**

D. Creation of a Stormwater Utility

In the past, Lee County has proposed a stormwater utility for the unincorporated area of the County that could nullify Lehigh Acres Municipal Services Improvement District's authority and would potentially dissolve LA-MSID.

LA-MSID must stay involved in any discussions that Lee County may have, involving the creation of a stormwater utility in Lehigh Acres and to help determine the best outcome for Lehigh Acres Municipal Services Improvement District and the residents of Lehigh Acres. **Objectives and Strategies: A2j.**

E. Incorporation

There has been in the past and will be future attempts to incorporate the Lehigh Acres area. The creation of a city may include the absorption and dissolution of the Lehigh Acres Municipal Services Improvement District, if a public works department is established.

LA-MSID must keep a vigilant eye open for attempts to incorporate Lehigh to make sure that the new charter does not include the immediate and/or total absorption and dissolution of the Lehigh Acres Municipal Services Improvement District. The Lee County Legislative Delegation and LA-MSID's Commissioners had stated in a resolution that the road to incorporation runs through LA-MSID. The District will be considering that option over future year, although there is not a political will to do that, of late. **Objectives and Strategies: A2J.**

F. Community Development Districts

Community Development Districts (CDDs) can hold almost as many powers as a city and have been reasonably easy to create. They can be created by Lee County Government inside of LA-MSID's boundaries, if they are under a certain acreage threshold or otherwise created by the state. CDDs can erode LA-MSID's powers. As of 2025, there are few parcels that would be large enough, if developed, to be a Community Development District.

LA-MSID must stay in contact with Lee County (creator of most CDDs) and local legislation for attempts by developers to create CDDs in Lehigh Acres and to do what is necessary to guarantee that they do not conflict with the powers of the District. **Objectives and Strategies: A2j**.

5. ENVIRONMENTAL CONCERNS: NATURAL OR MAN-MADE

A. Water Quality Issues

Different components from the Clean Water Act of 1964 are moving ahead simultaneously. Total Maximum Daily Loads (TMDL's), Basin Management Action Plan (BMAP) and the Numeric Nutrient Criteria (NNC) for Water Quality will be imposing standards for sampling and/or an impetus for capital projects in the future. The District's water quality is very good, but the standards may be set so low that we can't meet them. The Basin Management Action Plan (BMAP) may be so rigid that we may have to improve our water quality, even if we meet the water quality standards. The potential unfunded mandate may require that capital dollars be spent, which can severely affect our assessment rates and the ability for our residents to pay them.

LA-MSID will stay involved in the process of rulemaking by EPA and FDEP to both lessen requirements while ensuring that water quality standards are fair and obtainable. Future budgets may have to be adjusted to reflect the addition of water quality projects, if very strict standards are adopted. Currently, the District has met the BMAP requirements for the first five-year period plus, on the estuarine portion of the Caloosahatchee River. Future requirements will have to be met for the Freshwater portion of the Caloosahatchee River and any NNC requirements on state-wide waterbodies. Community outreach and education efforts are necessary parts of meeting these requirements. **Objectives and Strategies: A2b, F1a, F3c, F3g, F3h, F3p.**

B. Natural Disasters

As evidenced by Hurricane Irma (2017), Ian (2022), Helene and Milton (2024), the region could have been better prepared. The staff's internal disaster plan contemplated the vast majority of issues and situations that a hurricane can cause by having immediate available data on the operational status of our many water control structures in an easy to read, consolidated form. We also have redundancy in communication capability. Finally, we do have emergency backup power in a ready to use form with automatic switchover capability. Satellite internet, satellite phones, and a manual full of contact information are readily available in an emergency. These updates faired pretty well during Hurricane Ian.

Staff will research the possible solutions for these and other minor issues. The Hurricane Manual needs to be updated yearly to include procedures based on our experiences. **Objectives and Strategies: F4a, F3q, F4a.**

C. Pandemic, Epidemics and Other Outbreaks

Local emergency preparedness plans at the Municipal District have traditionally focused on response to natural disasters, such as hurricanes. Yet historically, the most significant threat to the world's populations has not been natural disasters, nor war, but disease. Because influenza pandemics are recurring events, it is not a question of whether there will be another pandemic; it is only a question of when the next one will occur and how severe it will be. As we learned at the start of 2020, when a pandemic strikes the trajectory is everchanging and rapid.

The District needs to create a Pandemic, Epidemic and Other Health Outbreaks Incident Plan to define the non-medical issues and challenges associated with a crisis of this nature. The Plan will help the District ensure essential services can be maintained, the best degree possible, in the event of a pandemic or other such health event. This plan supplements the Municipal District's Policy and Procedures Manual and Emergency Support Functions already in effect. **Objectives and Strategies: F4b.**

D. Insurance Liability Issues

With a 100-square mile District, it is hard to monitor activity on all district lands. We do not have enforcement powers, and if someone is "caught in the act' of engaging in prohibited activities, they have usually left the scene before Sheriffs arrive – if the Sheriffs are even available to come. Despite the District's best efforts to partner with agencies to curtail the use of ATVs – they are still running amuck. The District has seen a spike in insurance claims by individuals using atvs on district lands- an illegal act. To curtail this, the District may one day in the future need to put in thousands of signs throughout the District at structures and along ROWS. Also, some issues to examine with developments near District bridges that have changed traffic patterns. In 2023, legislation was approved that improved the tort law and the ability to win lawsuits when the plaintiff is 51% or more at fault. In 2025 legislation failed that would have relieved special district's liability on District lands. Maybe 2026 will provide a better outcome.

The District should continue to monitor ATV activity on District land and assist officers who do catch individuals (officers usually need a District employee to trespass an offender). Efforts should be made to fight the ATV claims through our insurance company, if possible. Bridges and traffic patterns should be reviewed and documented for the future replacement and subsequent traffic pattern change that could occur at that time. **Objectives and Strategies: A3b.**

Program Objectives, Strategies and Goals

Goals: are statements needed for every key result that LA-MSID deems necessary for success.

Objectives: are strong, target ends for stated goals or final results of a strategy.

Strategies: are a pattern of measurable actions and resource allocations designed to achieve the objectives of the LA-MSID.

Tactics: are the tools or the action items of the plan

ADMINISTRATIVE GOALS

Goal A1: To provide administrative staff the resources necessary to complete the mission of the Board of Commissioners.

OBJECTIVES:

A.1.a: The District must create or modify policies to ensure that the District is in compliance with the changing times.

Current, accurate, fully encompassing policies are essential to provide staff with the tools to operate, regulate and implement the Board's intended approach when dealing with the public and employees.

Strategy: Staff needs to either create, review and/or update at least three policies, Collective Bargaining Agreement or Employee Manual for Non-Bargaining Unit in this fiscal year.

Strategy: Staff should create internal SOPs forms and three SOPs to help streamline efforts in this fiscal year.

A.1.b: Recruit, develop, and retain a highly trained and safe workforce with the budget available.

LA-MSID will provide necessary training to all District employees in Administration, Finance and Field positions. LA-MSID continues to invest in employee professional growth and development through continuous training, certifications, education, and professional accreditation. LA-MSID strives to cultivate employees' understanding of District operations and their role in the agency's success. Management should continue their professional growth and development and receive accounting, human resources, management, record keeping and public relations training, and other such trainings, on an annual basis. Due to

the current economic situation, the workforce shortage and the impending $15 minimum wage is a few years out, there is already a push for increased wages.

*Strategy: All employees will receive at least one training session during this fiscal year. LA-MSID will provide a fair and current collective bargaining agreement**.** The District will continue to provide annual harassment training, spill response and health and wellness presentations/training.*

Strategy: LA-MSID will strive to provide competitive pay and benefits that recruits and retains top talent within the available budget and will review job descriptions in FY 2026/2027 to ensure they are up-to-date for the evolving market. Bi-annual Salary Surveys/Job Description Audits to ensure we are remaining competitive.

Strategy: LA-MSID will strive to expand employee diversity, while hiring the most qualified candidate.

A.1.c: Strive to maintain low personnel expenses.

The District can save money by not allowing employees who have been discharged for "just cause" collect unemployment.

Strategy: The District will have no more than one new paid unemployment claim in fiscal year 2026/2027.

A.1.d: District Staff will use the campus to be as efficient and effective as possible.

The Commissioners have provided a modern campus that provides utilitarian administration space, a multi-purpose room, up-to-date maintenance facilities, and a fuel station. However, the site is not conducive to keeping our equipment out of the weather.

Strategy: Management and support must correct any damage to campus facilities immediately. Regular maintenance must be performed to ensure that the campus retains its "new" appearance and workability. Staff will find proactive solutions for lack of space for equipment storage and staffing.

- *The District will rehab the internal storage space in the Serrano Building as an in-house project to allow for more on-site storage for equipment needs.*
- *The District will look for grant funding for expansion of the building and storage*
- *The District will re-surface all asphalt areas within our campus boundaries.*

A.1.e: District Commissioners and staff must expect up-tics and downturns in the economy.

The economy is going to experience change over time, to the good and to the bad. Sometimes a bad occurrence (such as a Hurricane Ian event), can cause LA-MSID to spend some non-budgeted funds. This can be transformed into an overall good by tracking your costs for reimbursement from FEMA.

Strategy: the Commissioners will maintain non designated reserves above the 50% of expense spending, regardless of the lower-end target being 25%.

A.1.f: District staff and professionals should expect federal budget shut-*downs during periods of political strife.*

We are in a period of vast political differences between the democrats and republicans that does not appear to be letting up soon. We have many projects that will be in need of federal permitting in the next year, i.e. ROBUST, Frank Mann Preserve and the Leeland Sinkhole.

Strategy: Staff and professional must be expeditious in periods when the federal government is open. All federal permits must be filed for ROBUST, Frank Mann Preserve and the Leeland Sinkhole in FY 2026.

Goal A2: Provide for the lowest possible assessment rates, while providing the necessary services for the residents inside and downstream of the LA-MSID borders.

Objectives:

A.2.a: Strive to increase revenue for capital projects and/or maintenance.

The District has been very creative in finding new revenue sources in the past, for capital projects and/or maintenance. We need to look for new sources such as cellular towers, tree and mulch sales companies or fees for discharges from outside of our borders. The District has been successful finding for design and construction funds for Section 10. Grants were secured from FDEP and fees were secured from FDOT for West Marsh project, Phase III and for CREST, Phases II and III, the Leeland Bottomless Lake and ROBUST. The development in Lehigh Acres is continuing at a rapid pace, this increase in impervious areas impacts how our system works. The opportunity to secure large parcels to secure the necessary stormwater storage is quickly lessening and in 10 years' time may be non-existent. The District has a way to go before achieving the storage needs addressed in 2007 and those needs have only increased with the increased development. The time is now to protect our natural resource and our community.

Strategy: Staff will identify one additional alternative revenue source in FY 2026/2027. Staff will hold strategy meetings and may attend seminars relating to alternative revenue strategies.

A.2.b: Projects identified in the Capital Improvement Plan should continue to progress forward and projects that are designed and permitted should find a revenue source to fund construction.

Projects such as Frank Mann Preserve/Section 10 and CREST are either under or nearing construction and need to continue that process. Other projects should move forward in the queue into design and permitting to be included in the next wave of "shovel ready" projects. Several projects have been outlined in the Post-Irma Report paid for by Lee County and many will be incorporated into our plans. The June 2024 unnamed storm brought significant rains and highlights areas of Lee County's system and ours that need improvements.

Strategy: Staff will continue the construction process on all projects funded by outside sources. Frank Mann Preserve/Section 10 is funded. CREST is funded and in progress. ROBUST, Phase II & Phase III are funded. Additional funding for the Leeland sinkhole should be pursued.

A.2.c: Pursuit of Additional Powers/Authorities

On June 10, 2015, ECWCD was dissolved and LA-MSID was created. The powers of sidewalks, lighting, planning and water and water and sewer can be exercised through an agreement with Lee County and a majority vote from the voters in a referendum. If LA-MSID acquires new powers and needs to use assessments for a new revenue source, the District would have to amend its Water Control Plan. This would then be an ideal time to pursue some of the additional powers, as the cost for a Water Control Plan would not be required solely for those powers. In 2018, the District added Community Signage to the active powers. Due to COIVD-19 the installation of the monument on Lee Blvd. was delayed. The Board authorized a feasibility study on the water and sewer powers. Prior to COVID-19, the Board began drafting a request to Lee County for formal consideration. Currently, there is a political stalemate on the issue of new powers for LA-MSID.

Strategy: The District will observe conditions within its borders and the opinions of the residents to determine the optimal time to begin the process to pursue additional powers. This could make the willingness to gain new powers more palatable. The District will continue to study and work with the County to move forward on street-lighting power in 2026.

A.2.d: Financial staff has to remain diligent in their analysis of the District's financial records and the ever-changing rules of accounting.

Strategy: Maintain an unqualified audit opinion for our FY 2026/2027 Annual Financial Audit.

A.2.e: LA-MSID will remain to be a viable, independent, proactive, and pertinent agency in Lehigh Acres.

As the population continues to grow: (1) more impervious surface is created and a greater need for stormwater management will exist, requiring proactive planning today for a safe and secure

future for tomorrow (2) a potential increase in the restructure of existing government agencies may arise.

Strategy: LA-MSID should stay strong, stay connected to all surrounding and related agencies and continue to support FASD and their lobbying efforts.

Strategy: Efforts to protect the Leeland Bottomless Lake should continue. Since the Governor denied the 2024 appropriation for the improvements for the lake parcel and the interpretive center purchase, LA-MSID should move ahead with a new planned building on the 19-acre site or the older church building purchase in that priority order, as determined by FDEP. As of July, 2025, The Legislature and the Governor have appropriated $2.2-million to the Purchase of the interpretive center and restoration and the creation of the park site.

A.2.f: Follow the Succession Plan

Staff skill-sets have improved vastly over the last 10 years. Consequently, when a staff member is lost, there is a substantial learning curve for the new employee, hired from the inside or outside. Staff should make all efforts to have an understudy cross-trained to eliminate or lessen the impact of losing a key employee.

Strategy: LA-MSID has completed the Matrix Consulting Group's study process. Staff should follow the new policies for the Succession Plan in this fiscal year, in anticipation of meeting all goals within a reasonable amount of time.

A.2.g: Automate routine reporting functions. Operational Financial & Human Resources reporting functions for the most part have been done manually and automated reports had some of the necessary components missing. Staff has corrected some of these reports but there remain a number of reports that need to be revised to better suit reporting needs.

Strategy: LA-MSID should review and/or program one report functions in the fiscal year.

A.2.h: Evaluate Internal Growth Solutions

LA-MSID has become self-sufficient when it comes to providing for outside events and flexibility in the multi-purpose room. Staff has been creative when storing the additional materials needed for those events. Should the District procure additional items or hire additional administrative staff, office space will become an issue. All conceivable air-conditioned space is being used and all consolidation options have already been exhausted. Staff has secured on-site, air-conditioned storage.

Strategy: Staff should explore all necessary storage space expansion options in this fiscal year. Creating a plan to expand the District headquarters may be necessary sooner rather than later and would allow for both growth of staff, storage and an improved emergency operations center.

A.2.i: LA-MSID should use the time management system to its capacity.

Staff can now track time worked on culvert projects by using TMS to clock into specific projects and hours worked can be tracked. This has cut down time spent transferring hours into the payroll system.

Strategy: Continually implement updates to the TMS to include better reporting functions and mobile use.

A.2.j.: Maintain LA-MSID's identity as a hometown special district as long as it is necessary.

There may be a threat from the outside that could change the identity of the District. Other forms of government that may attempt to usurp our authority are Annexation by an adjacent city, incorporation of a new city, a county may attempt to create a stormwater utility or a community development district may be created within our borders.

Strategy: Staff must continually monitor the organization or re-organization of the agencies within and outside of our District boundaries. We must also stay financially fine-tuned as to not attract the hungry wolves.

Goal A3: Expand and Enhance Community Outreach and Engagement

The Municipal District should be a visible and recognizable with stakeholders statewide and locally – within Lee and Hendry Counties and especially with the residents of Lehigh Acres.

OBJECTIVES:

A.3.a: Build External Customer Relationships & Awareness

*Strategy***:** *Staff should continue to increase local, related information dissemination and communication and engage our community on the importance of the District's services through informative articles, social media, newspaper, events, and other avenues.*

Strategy: LA-MSID will hold one public relations event for students, one community event, and will make presentations at five organizational meetings and/or be actively involved in the community in FY 2026/2027.

A.3.b: Maintain a strong reputation in the community by expanding presence in the community, both in-person and virtually, to ensure residents have accessibility to their local government.

Strategy: Assess and create opportunities for stakeholder awareness/engagement. An opportunity to conduct targeted outreach to citizens who may be impacted by the Municipal District construction projects.

- *Meet educational water efficiency Best Management Practices (BMP) through school educational initiatives*
- *Continue to host the annual Wings Over Water Festival community event.*
- *Establish a community event for the Sinkhole property to engage and educate individuals, help support the growth of this parcel and help create a sense of community,*

Strategy: Assess opportunities to increase constituent awareness. Staff should maintain membership and stay active with legislators, local civic and professional organizations/groups; apply for industry awards in this fiscal year.

A.3.c. Maintain Necessary Amount of General (Liability, property, vehicle) Insurance while Actively Trying to Limit Liability on Public Lands and Workspaces.

Strategy: The District will review all assets (automobiles and equipment, buildings, bridges, and water control structures) on a yearly basis to ensure that we have coverage for the entirety of them.

Strategy: The District should approach Lee County regarding Williams Ave. and their willingness to take over ownership and maintenance responsibility.

STORMWATER OPERATIONS

GOAL F1: Operational Optimization - Ensures ongoing, timely, cost-effective, reliable, and sustainable performance improvements in all facets of its operations.

OBJECTIVES:

F.1.a: LA-MSID will adhere to the latest Five-Year Capital Equipment Replacement Plan.

Adherence to this plan is necessary to ensure that the District's maintenance can be performed in the least amount of time with current staffing levels.

Strategy: The District will purchase all items identified in the 2026/2027 Capital Equipment Replacement Plan. Fuel efficiency shall be a strong consideration when specifying new vehicles or equipment for purchase. The Field Department will work to organizing data for vehicle use and field tracking to help provide informed decisions for maintenance and replacement.

Goal F2: Provide the infrastructure and programs necessary to deliver optimum flood protection, aquifer recharge, water quality enhancements and habitat for the current and built-out scenarios.

OBJECTIVES:

F.2.a: - The District should continue the process for design and construction of planned capital projects, in FY 2026/2027.

The design for Frank Mann/Preserve and the design of ROBUST are in progress. The District will proceed with the project when design is finished. CREST, Phase III is under construction.

Strategy: During FY2025-2026, the District should proceed with design and construction for the Leeland Bottomless Lake, Frank Mann Preserve and ROBUST. Any appliable grants should be applied for.

Strategy: Partner with local governments and the state to identify multipurpose project partnerships that reduce flooding, improve water quality, while increasing natural or augmented recharge to the aquifer, as well as saving time and resources.

F.2.b: LA-MSID should alleviate intermittent flooding on Bedman Creek.

The District needs a conveyance diversion from Dog Canal to Hendry Canal and Carlos Waterway, when Bedman Creek is at full capacity.

Strategy: The District has just about completed construction CREST Phase III. Continue to complete this project in 2025/2026. The Dog to Hendry connection has been available for use since the summer of 2024. Continue progress on the ROBUST project to provide further protection for the residents on Bedman Creek.

F.2.c: LA-MSID should fill it's employee ranks.

Staff has a saying: "Hiring employees is like getting married". It's that important to pick the right employees. The employees should be hired on merit and how well they meet our needs. If our needs won't be met, it's better that we wait for the hire with the right skills. LA-MSID has continued to elevate hiring wages to meet the needs of the economy. We usually have 2 to 4 positions open at any time.

Strategy: Staff will continue to search for the employees that meet our needs on a continual and urgent basis. The right employees may only be available for a short period of time. We strive for full employment!

Goal F3: District Field staff will strive to provide the highest necessary maintenance levels on District Lands as prescribed by the Board, the economic conditions and requested by the public.

OBJECTIVES:

F.3.a: A mowing and weed-eating strategy for District lands must be adhered to.

The mowing crews shall mow the flat areas and the slopes where LA-MSID has adequate maintenance access, District wide. This is necessary to 1) provide stability for slopes, 2) maintain stormwater conveyance, 3). Provide visibility for herbicide treatments; 4) safety; 5) water quality and 6) community pride. The weed-eating crew shall maintain slopes with little to no maintenance access that have been identified by management. The Field management staff shall continue to do their best to eliminate "down time" and keep the mowing crews operating for a large percentage of the growing season. Special projects should not cut into the mowing crew's time.

Strategy: LA-MSID will look for new strategies to complete three mows and three weed-eating circuits per year, while being quicker and more efficient.

F.3.b: Herbicides should be used at label strength to control exotic and/or nuisance aquatic vegetation to compliment mechanical cleaning.

The plant control staff should maintain LA-MSID canal and lake systems for existing and new emergent, and submersed, plants that are invasive or non-native or nuisances. Staff should provide chemical mowing and broad-leaf control on slopes and flat areas, yearly.

Strategy: LA-MSID will conduct at least two complete plant control treatments, as needed and where needed, to maintain conveyance. The Field management staff should make sure the canal inspections will be ongoing and that each canal will be assessed and treated for its individual vegetation needs. The District will stay in tune with organizations that promote the use of herbicides and manufacturers of herbicides to help to ensure that effective and cost-effective herbicides are available in the future.

F.3.c: Mechanical cleaning should be used to clean decomposed, exotic or nuisance vegetation to compliment the herbicide program.

The canal cleaning process involving the track hoes and the bulldozer clean-up, shall make the rounds through LA-MSID's entire canal and lake systems approximately every seven years, as prescribed by the NPDES Permit.

Strategy: LA-MSID will mechanically clean or inspect to determine the lack of need to clean 1/7 (approximately 14.3% or 44.43 miles) of all canals per year. We should mechanically clean or inspect to determine the lack of need to clean 5/7 of the District canals in the next five years. The Field management staff shall do their best to keep the track-hoe and dozer crews operating on canal clean out for a large percentage of the year. Special projects should not significantly cut into canal cleaning time.

F.3.d: Narrow or non-existent vehicle-accessible maintenance area on Lakes or canals.

Staff has been able to master the use of the tracked zero-turn mower performance through training and in-house modifications of the machine. That should not terminate staff's quest to find a better method to maintain these areas.

Strategy: Staff will continue to search for new methods and equipment that can make the maintenance in these narrow right of ways, easier, safer and more efficient. Review the District maps to see if there are areas in which we can purchase land or create easements for access.

F.3.e: Staff had gotten behind in preserve maintenance and needs to catch up.

The District needs to allocate more staff that may include temporary workers to reach this goal. LA-MSID has added 205-acres of preserves in the West Mash and 25-acres in CREST, Phase II. Soon another 75-acres will be added in CREST, Phase III and 560-acres in Frank Mann Preserve (GS 10) and the 19-acre Bottomless Lake parcel.

Strategy: LA-MSID will remove exotics on 10 non-maintained acres this year and for the next five years, while not losing control of existing acres cleared since 2008. Continue progressing on Lennar's responsibility to provide a one-time removal of exotics in the Savanna Lakes preserves.

Strategy: LA-MSID will explore sub-contracting yearly exotic maintenance in our preserves. One new contract should be awarded as a test-case.

F.3.f: LA-MSID will continue the culvert replacement program. Corrugated metal pipe culverts are failing at 5 to 6 per year and should fail at an increasing rate over the next 15 years.

These "rebuild" projects must be completed to "keep up" with the potential growing amount of failing culverts District–wide.

Strategy: Field staff will replace an average of five or six more culverts "in house" each year, or provide the equivalent in in-house construction projects.

F.3.g: The District will fully understand and comply with the current and future requirements from State and Federal authorities on water quality law and issues.

The District has had 8 out of 9 years without comments on our annual NPDES Report. There was one comment last year due to a formatting error.

Strategy: Strive to have zero comments on our Annual NPDES Report, and be the most compliant and diligent co-permittee on the Lee County NPDES Permit.

F.3.h: LA-MSID shall maintain the integrity of our field data and will keep our telemetry sites operating at their full capacity.

The telemetry employees will fully test each site and will comply with all FCC regulations. Data will be secured in newly-developed maintenance and work order software.

Strategy: Staff shall continue to work to secure additional maintenance and work order software that is user-friendly, efficient and comprehensive in 2026/2027 In areas of vehicle/equipment usage, fuel usage, chemicals, Requests for Actions, etc.

F.3.i: The District's bridges need to be maintained in the highest possible condition.

Our 22 bridges were built from 1958 to 1992. Every two years, the State (FDOT) hires an engineering firm to inspect our bridges. We will have the 2024 report that identifies any needed work or deficiencies. The good news is that we have had no serious problems with our bridges. All identified items in the latest report can be repaired with in-house staff.

Strategy: The District shall make repairs as needed. LA-MSID secured a funding source, to not only self-insure our bridges, but to also provide funding for minor & major repairs, replacement and design services. Discuss with Lee County the increased use and issues with William's bridge.

F.3.j: The District will continue to clear its rights-of-ways.

The District has identified all uncleared right of ways. With the advent of GIS and the Lee County Property Appraiser Site, we can easily identify our rights-of-ways.

Strategy: The District will clear one (1) mile of right-of-way, or the equivalent of 3-sq/acres this year.

F.3.k: LA-MSID must limit equipment down-time to a manageable level.

The main enemy of the District's maintenance program is down-time. Downtime can be created through absenteeism, organizational issues and equipment malfunctions. Equipment malfunctions can be caused from poor design, careless operation, poor maintenance or heavy use under harsh conditions. As we add more to our fleet, we need to increase our data collection and monitoring. Consider sending routine services outside for repair to free up mechanic times.

Strategy: The mechanics will service all vehicles when scheduled within a 1,000-mile window prior to and after the due date and report any signs of careless operation or abuse.

F.3.l: The District shall provide easier and safer maintenance access roads along our infrastructure.

The District's access roads are often blocked by a Lee County road ditch. That may force staff to back up their equipment and find an alternative route to continue their work. A considerable amount of time is lost because of this. For many years, staff had been installing ADS pipe across the ROW, to provide safe crossing for our vehicles and equipment. Because of Hurricane Irma, staff has not been able to provide this service for the last few years.

Strategy: The District will install 10 to 30 pipes in Lee County outfall ditches or the equivalent of turn-arounds or future access points, this year.

F.3.m: LA-MSID's infrastructure (culverts, weirs, buildings, etc.) needs to be inspected on a regular basis.

The District needs to inspect the District's infrastructure to protect our investment, the resident's properties and the water resources of the District. Our NPDES permit also requires regular inspections.

Strategy: District staff will inspect at least 25% of the culverts, water control structures, parks and buildings annually or comply with new state requirements.

F.3.n: Providing good resident service is essential for the District's image.

Resident issues are called in on almost a daily basis. These issues are logged in a database by issue and resolution to ensure that all issues are resolved.

Strategy: The staff shall resolve all known resident issues prior to a resident coming to a Board Meeting, if it is within staff's power.

F.3.o: The District's water control structures (weirs) need to be kept in the highest operation readiness condition.

Staff needs to look at items such as structural integrity, painting (where necessary) and reconditioning of all moving parts.

Strategy: Staff will recondition two water control structures per year, for the next five years.

F.3.p: Trash on District lands continues to be a big problem and must be kept under control.

Because of remoteness and the fact that water bodies are at a lower elevation than surrounding lands, our infrastructure is a collection point for illegal dumping along with windblown garbage and floating trash.

Strategy: The District will remove at least 50,000 pounds of trash in FY 2026/2027.

F.3.q: Wash-outs in our canal system must be corrected within a very narrow window because of their ability to disrupt conveyance and increase our liability.

Washouts are generally caused by the loss of bank stabilization (usually vegetation). Vegetation can be destroyed by poor mowing techniques, ATV and four-wheeler traffic, misuse of chemicals and severe weather events. The resulting wash-outs can become rather large, allowing for poor drainage along with being a vehicle and pedestrian safety hazard. Hurricane Ian had exacerbated this situation and has created approximately 150 additional wash-outs. Staff has totally caught up.

Strategy: Wash-outs will get repaired ASAP and there will be no reported accidents, injuries or flooding due to washouts.

F.3.r: Special Projects Must be Completed Yearly.

During the dry season each year, the District staff re-gears itself to complete necessary special projects. The projects are identified by October prior to dry season.

Strategy: Staff shall complete at least 90% of special projects identified in the October Gantt chart prepared by the District Manager. Special projects should not cut into mowing, spraying or mechanical clean-out goals.

F.3.r: Streamlining of Reporting

The District has decades of paper logs that need to be made digital. The district hired a professional to create a database to manage field data – RFA, Spray and Mowing Reports, but the creation of the databases has been moving slowly.

Strategy: Work with designer to fix the identified issues in the first database and begin design of additional databases, and a return of paper records for vehicles, fuel, chemicals, etc. should be implemented while the technology is being developed or purchase an all-encompassing program.

Goal F4: Improved Emergency Response Preparedness

F.4.a: High-level of Hurricane Preparedness.

Actual Hurricane experience learned from the direct hit from Hurricane Irma and Ian has caused staff to revise our methodologies in preparation and our actions during/following an event.

Strategy: Staff will annually review the Hurricane Manual prior to Hurricane Season; will host a Hurricane Training exercise and will ensure safety supplies are in stock to the best of the District's ability.

F.4.b: Preparing for Health Emergencies

The COVID-19 pandemic caught many agencies off-guard. It has been 100 years since a pandemic had occurred, and guidance changes depending on what type of disease/virus is spreading. The District worked with Labor Counsel and District Attorney to formulate understanding of best practices. The District Attorney steered staff away from creating policies to navigate health crises.

Strategy: Maintain a list of PPEs that would be multipurposed for any type of crisis and prepare/maintain emergency kits that can be placed in storage and accessed when needed in 2026/2027. Create and maintain an outbreak, epidemic and pandemic policy.

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

AGENDA ITEM SUMMARY

Subject: 2027 Draft Capital Equipment Replacement Plan

Meeting Date: May 18, 2026

Agenda Item # 4B3

☐ **CONSENT** ☐ **ACTION** ☐ **OLD BUSINESS** ☐ **NEW BUSINESS**

Request Initiated By: ☐ **SUPERVISOR** _____ ☐ **ATTORNEY**

☐ **BOARD** ☐ **MANAGER** ☐ **ENGINEER** ☐ **AUDITOR**

1 Recommended motion: N/A

2 What the action accomplishes: Provides for a placeholder to discuss the draft plan. Should move onto the action agenda next month.

3 Fiscal Impact:

4 Staff comments:

5 Staff review and recommended approval:

☐ **MANAGER** ☐ **ASSISTANT DISTRICT MGR**

☐ **ATTORNEY** ☐ **COMPTROLLER**

☐ **ENGINEER** ☐ **WATER RESOURCE MGR.**

6 Board Action:

☐ **APPROVED** ☐ **DENIED** ☐ **DEFERRED**

LEHIGH ACRES - MUNICIPAL SERVICES IMPROVEMENT DISTRICT
EQUIPMENT REPLACEMENT SCHEDULE
FOR FISCAL YEAR ENDING SEPTEMBER 30, 2026

Equipment Tag #	Year	Make	Description	Vin Serial Number	Acquisition Date	Purchase Price	Tag #	Use	Fuel Use	Location	Surplus	Capital Item	New or Replacement	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031
														$ 173,418.56	$ 1,349,704.09	$ 372,050.75	$ 449,646.00	$ 570,000.00	$ 595,000.00	$ 786,000.00	$ 660,000.00	$ 775,000.00
Fleet Vehicles																						
106	1986	Ford	F-350 4x4 (H.E.O. Transportation)	1FDKF38LOGNB54515	1/1/1987	$15,886.00	16505	Transportation	Gas	Field	Yes	Yes	Replaced by 126	-	-	-	-	-	-	-	-	-
107	1991	Ford	F-350 4x4 (Fuel Truck)	1FDKF38M6MNA75256	6/1/1991	$16,510.00	16665	Transportation	Gas	Field	Yes	Yes	Replaced by 133	-	-	-	-	-	-	-	-	-
109	1994	Ford	F-150 4x4	1FTEX14H7RKB62748	7/1/1994	$23,246.00	20696	Transportation	Gas	Field	Yes	Yes	Replaced by 128	-	-	-	-	-	-	-	-	-
110	1995	Ford	F-350 4x4 (Mechanics Truck)	2FDKF38G6SCA37555		$19,123.00		Transportation	Gas	Field	Yes	Yes	Replaced by 131	-	-	-	-	-	-	-	-	-
112	1996	Ford	F-250 4x4	1FTHF26HOTEB74605	9/1/1996	$20,965.00	35984	Transportation	Gas	Field	Yes	Yes	Replaced by 127	-	-	-	-	-	-	-	-	-
114	2000	Dodge	2500 4x4	2B7KF26Z0YM229022	12/15/1999	$19,135.00	27533	Transportation	Gas	Field	No	Yes	Replaced by 134	-	-	-	-	-	-	-	-	-
115	2000	Chevrolet	1 Ton Crew Cab	1GCGC33R8YF461585	2/3/2000	$19,958.00	27534	Transportation	Gas	Field	Yes	Yes	Replaced by 138	-	-	-	-	-	-	-	-	-
117	2002	Ford	F-550 4x4 (Flat Bed Truck)	1FDAF57FX2EB92037	9/2/2002	$116,035.00	35980	Weed Eating	Diesel	Field	Yes	Yes	Replaced by 136	-	-	-	-	-	-	-	-	-
118	2002	Ford	F-550 4x4 (Flat Bed Truck)	1FDAF57F12EB92038	9/2/2002	$116,035.00	35981	Spray Dept.	Diesel	Field	Yes	Yes	Replaced by 150	-	-	-	-	-	-	-	-	-
119	2003	Dodge	Dakota 4x4 - 4 door (Parks)	1D7HG38X235343831	3/5/2004	$19,500.00	36790	Transportation	Gas	Field	Yes	Yes	Replaced by 141	-	-	-	-	-	-	-	-	-
120	2004	Dodge	Dakota 4x4 (Parks)	1D7HG42K94S634086	2/19/2004	$19,128.00	36793	Transportation	Gas	Field	Yes	Yes	Replaced by 137	-	-	-	-	-	-	-	-	-
121	2004	Ford	Explorer Trac (HE Trans.)	1FMZU77K74UB41234	3/18/2004	$20,868.00	36795	Transportation	Gas	Field	Yes	Yes	Replaced by 140	-	-	-	-	-	-	-	-	-
122	2005	Ford	F-350 Crew Cab (Weed Eating)	1FTWW31P65EA87239	12/13/2004	$27,600.00	38214	Weed Eating	Diesel	Field	Yes	Yes	Replaced by 151	-	-	-	-	-	-	-	-	-
123	2005	Ford	Taurus (Admin.)	1FAHP53U05A255166	2/7/2005	$12,930.00	38216	Transportation	Gas	Admin.	Yes	Yes	Replaced by 142	-	-	-	-	-	-	-	-	-
124	2005	Dodge	Ram 2500 4x4 - Tool Box Bed (Parks)	3D7KS26D15G780298	2/23/2005	$23,219.00	38219	Parks	Gas	Field	Yes	Yes	Replaced by 148	-	-	-	-	-	-	-	-	-
125	2005	Dodge	Ram 2500 4x4 (Weed Eating)	3D7KS26D35G780299	2/23/2005	$18,869.00	38980	Weed Eating	Gas	Field	Yes	Yes	Replaced by 147	-	-	-	-	-	-	-	-	-
126	2006	Ford	F-250 4x4 (Weed Eating)	1FTSW21P36EB82142	11/29/2005	$28,449.00	38988	Weed Eating	Diesel	Field	No	Yes	Replaced by 149	-				$ 60,000.00	-	-	-	-
127	2007	Dodge	Ram 2500 4X4 (Spare)	3D7KS26D07G770087	1/26/2007	$20,869.00	40082	Transportation	Gas	Field	Yes	Yes	Replaced 112	-	-	-	-	-	-	-	-	-
128	2007	Dodge	Dakota 4x4 - Club Cab (R/W)	1D7HW22K67S176633	3/21/2007	$18,767.00		Transportation	Gas	Field	Yes	Yes	Replaced by 139	-	-	-	-	-	-	-	-	-
129	1977	GMC	Tanker Truck	TCE617V586446	3/29/2008	$1,800.00		Transportation	Gas	Field	Yes	Yes	New	-	-	-	-	-	-	-	-	-
130	2008	Ford	Escape Hybrid AWD (Admin.)	1FMCU59H38KEO9256	4/24/2008	$24,511.00	YH504	Admin.	Gas	Admin.	Yes	Yes	New	-	-	-	-	-	-	-	-	-
131	2008	Dodge	Ram 4500 (Mechanics Truck)	3D6WD66A78G227138	7/9/2008	$66,746.00	YB814	Mechanic	Diesel	Field	No	Yes	Replaced by 146	-	-	-	-	-	-	-	-	$ 100,000.00
132	2009	Ford	F-150 4x4	1FTRX14W69FA71978	3/18/2009	$22,844.00	YB819	Telem.	Gas	Field	Yes	Yes	New	-				-	-	-	-	-
133	2009	Dodge	Ram 4500 (Fuel Truck)	3D6WD68L59G534579	4/3/2009	$52,640.15	YC363	Assist. Mech.	Diesel	Field	No	Yes	Replaced 107	-	-					$ 95,000.00	-	-
134	2010	Dodge	Ram 1500 4x4 Quad Cab	1D7RV1CP6AS236607	7/19/2010	$26,916.00	33476	Telem.	Gas	Field	Yes	Yes	Replaced 114	-	-	-	-	-	-	-	-	-
135	2011	Ford	F-350 4x4 (Blue) HE Trans.	1FTRF3BT4BEA63252	7/29/2010	$29,706.00	YS505	Heavy Equip.	Diesel	Field	No	Yes	Replaced 118	-	-			$ 65,000.00		-	-	-
136	2011	Ford	F-350 4x4 (White) HE Trans.	1FDRF3FT2BEB90345	4/1/2011	$30,710.00	YS507	Heavy Equip.	Diesel	Field	No	Yes	Replaced 117	-	-				$ 65,000.00	-	-	-
137	2012	Ford	F-150 4x4 (Telem.)	1FTFW1ET7DKD61477	11/5/2012	$29,353.00	YC364	Telem.	Gas	Field	Yes	Yes	Replaced 120	-	-			-	-	-	-	-
138	2014	Ford	F-150 4x4 Super Crew (Tractor Crew)	1FTFW1EF7EKF28495	8/25/2014	$26,988.00	YN081	Admin.	Gas	Admin.	No	Yes	Replaced 115	-	-			-	$ 67,500.00	-	-	-
139	2014	Ford	F-150 4x4 XLT Super Crew (NPDES - R/W)	1FTFW1EF8EKG34986	12/22/2014	$29,712.00	YH762	R/W	Gas	Field	Yes	Yes	Replaced 128	-	-	-			-	-	-	-
140	2014	Ford	F-150 4x4 XLT Super Crew (Telem.)	1FTFW1EFXEKG34987	12/29/2014	$29,712.00	YH763	Telem.	Gas	Field	Yes	Yes	Replaced 121	-	-	-			-	-	-	-
141	2015	Ford	F-250 4x4 Super Crew (Pipe Crew)	1FT7W2BT1FEC46762	2/10/2015	$36,980.00	YH783	Heavy Equip.	Diesel	Field	No	Yes	Replaced 119	-	-	-			-	$ 70,000.00	-	-
142	2016	Ford	F-150 4x4 XLT Super Crew (Spare)	1FTEW1EF9GFA56078	1/6/2016	$31,543.00	38216	Admin.	Gas	Admin.	No	Yes	Replaced 123	-	-	-			$ 67,500.00	-	-	-
143	2018	GMC	Sierra 3500 Crew Cab 4x4 Duelly (Pipe Crew)	1GT42VCYXJF155437	1/2/2018	$43,203.25	YM195	Heavy Equip.	Diesel	Field	No	Yes	Replaced 124	-	-	-	-	-	-	$ 70,000.00		-
144	2018	Ford	F-250 4x4 SuperCab (1-1/2) Spray Truck	1FT7X2B61JEB23155	1/10/2018	$29,873.00	YM198	Spray Dept.	Gas	Field	No	Yes	Replaced 135	-	-	-	-	-	-	-	$ 70,000.00	-
145	2018	Nissan	Rouge SV FWD (Admin.)	KNMAT2MTXJP534787	3/12/2018	$17,261.25	YT256	Admin.	Gas	Admin.	No	Yes	Replaced 130	-	-	-	-	-	$ 70,000.00		-	-
146	2020	Ford	F-450 (Mechanics Truck)	1FD0X4HT4LEC49549	4/15/2020	$84,186.00	YN926	Mechanic	Diesel	Field	No	Yes	Replaced 131	-	-	-	-	-	-	-	-	-
147	2021	Chevrolet	2500 HD Crew Cab 4x4 Long Bed (Flat Mowers)	1GC4YLE74MF129380	12/10/2020	$38,144.00	YP015	Mowers	Gas	Field	No	Yes	Replaced 125	-	-	-	-	-	-	-	-	-
148	2021	Chevrolet	2500 HD Crew Cab Long Bed 4x4 (Slope Mowers)	1GC4YLE72MF129443	12/17/2020	$38,144.00	YP016	Mowers	Gas	Field	No	Yes	Replaced 124	-	-	-	-	-	-	-	-	-
149	2021	Chevrolet	3500 HD Crew Cab Short Bed 4x4 (H.E.) Chad H.	1GC4YSE79MF129126	12/17/2020	$39,429.99	38219	Heavy Equip.	Gas	Field	No	Yes	Replaced 126	-	-	-	-	-	-	-	-	-
150	2021	Ford	F-250 Super Crew Cab Short Bed 4x4 (Spray Truck)	1FT7X2B69MEC70294	2/17/2021	$31,820.00	YN930	Spray Dept.	Gas	Field	No	Yes	Replaced 118	-	-	-	-	-	-	-	-	-
151	2021	Ford	F-350 Crew Cab Long Bed 4x4 (Weed Eating)	1FT8W3BN1MEC70293	2/17/2021	$39,217.00	YN929	Weed Eating	Gas	Field	No	Yes	Replaced 122	-	-	-	-	-	-	-	-	-
152	2024	Ford	F-250 4x4 SuperCab (1-1/2) Spray Truck	1FT7X2BA7REE23878	6/20/2024	$50,146.00	YV510	Spray Dept.	Gas	Field	No	Yes	New	-	$ 50,146.00	-	-	-	-	-	-	-
153	2024	Ford	F-150 4x4 Super Crew (Telem) Tim B.	1FTEW1LP5RKE34208	7/11/2024	$45,299.00	YS508	Telem.	Gas	Field	No	Yes	Replaced 132	-	$ 45,299.00	-	-	-	-	-	-	-
154	2024	Ford	F-250 4x4 Crew Cab (H.E.) Juan R.	1FT7W2BAXREF00147	9/17/2024	$49,961.80	YT255	Admin.	Gas	Field	No	Yes	Replaced 137		$ 53,012.43							
155	2024	Ford	F-250 4x4 Crew Cab (Telem.) Chris H.	1FT7W2BA3REF00829	9/17/2024	$49,961.80	DRX2291	Telem.	Gas	Field	No	Yes	Replaced 134		$ 53,012.43							
156	2024	Ford	F-250 4x4 Crew Cab (Telem.) Nate B.	1FT7W2BA3REF01091	9/17/2024	$49,961.80	YN080	Telem.	Gas	Field	No	Yes	Replaced 140		$ 53,012.43							
157	2024	Ford	F-250 4x4 Crew Cab (NPDES-R/W) Wade W.	1FT7W2BA7REF01112	9/17/2024	$49,961.80	YS506	R/W	Gas	Field	No	Yes	Replaced 139		$ 53,012.43							
158	2025	Ford	F-150 Tremor 4x4 Crew Cab (Assist. Mgr.) Mike C.	1FTFW4L56SFA74644	6/24/2025	$61,947.00	TI8889	Admin.	Gas	Admin.	No	Yes	Replaced 142			$ 61,947.00						
159	2025	Ford	F-150 Tremor 4x4 Crew Cab (F. Mgr.) Bill W.	1FTFW4L50SFA47536	6/24/2025	$61,947.00	TI8888	Admin.	Gas	Admin.	No	Yes	Replaced 138			$ 61,947.00						
														-	-	-	-	-	-	-	-	-
Heavy Equip.																						
200	1990	Ford	LNT 8000 Dump Truck (Water Tanker)	1FDYU82A7MVA00254	10/1/1990	$42,587.00	YE005	Heavy Equip.	Diesel	Field	Yes	Yes	Replaced by 220	-	-	-	-	-	-	-	-	-
201	1995	Ford	LT 8000 Dump Truck	1FDZW82E6SVA78443	7/24/1995	$50,475.00	YE002	Heavy Equip.	Diesel	Field	Yes	Yes	Replaced by 221	-	-	-	$ 57,765.00	-	-	-	-	-
202	1988	Dresser	TD-15 Bulldozer	4450C050008152	11/1/1988	$96,000.00	N/A	Heavy Equip.	Diesel	Field	Yes	Yes	Replaced by 222	-	-	-	-	-	-	-	-	-
207	1989	Ford	LT-9000 Tractor	1FDYU90L3KVA04695	11/1/1988	$42,738.00	N/A	Heavy Equip.	Diesel	Field	Yes	Yes	Replaced by 216	-	-	-	-	-	-	-	-	-
208	1995	Aquatics Unlimited	AUH8-200 Weed Harvester	AUH20011534395	8/1/1997	$35,712.00	N/A	Heavy Equip.	Diesel	Field	Yes	Yes	Replaced by 228	-	-	-	-	-	-	-	-	-
209	1993	Caterpillar	Cat 446 Loader/Hoe	6XF00968	2/1/1993	$76,161.00	209	Heavy Equip.	Diesel	Field	Yes	Yes	Replaced by 219	-	-	-	-	-	-	-	-	-
210	1996	Champion	720-A Grader	X026670X	7/1/1996	$134,900.00	N/A	Heavy Equip.	Diesel	Field	Yes	Yes	Not Replaced	-	-	-	-	-	-	-	-	-
213	1998	Komatsu	WA 320 Loader	A30392	11/1/1998	$110,000.00	N/A	Heavy Equip.	Diesel	Field	Yes	Yes	Replaced by 223	-	-	-	-	-	-	-	-	-
214	2002	Volvo	EC 240 BLR Excavator - Long Stick	240B10154	3/18/2002	$162,234.00	N/A	Heavy Equip.	Diesel	Field	Yes	Yes	New	-	-	-	-	-	-	-	-	-
215	2004	Komatsu	PC 220 LC Excavator - Long Stick	A86475	4/22/2004	$161,473.00	N/A	Heavy Equip.	Diesel	Field	Yes	Yes	Replaced by 229	-	-	-	-	-	-	-	-	-
216	2005	Western Star	Semi Tractor (Low Boy)	5KJJAECK25PV29835	4/4/2005	$83,669.00	38981	Heavy Equip.	Diesel	Field	No	Yes	Replaced 207	-	-		-		-			$ 150,000.00
217	1952	Tow motor	Forklift			$200.00	N/A	Heavy Equip.	Gas	Field	Yes	Yes	Replaced by 224	-	-	-	-	-	-	-	-	-
218	2005	Komatsu	D39-PX Bulldozer	4720	12/30/2005	$92,700.00	N/A	Heavy Equip.	Diesel	Field	Yes	Yes	Replaced by 231	-	-	-	-	-	-	-	-	-
219	2007	Caterpillar	430E Rubber Tire BackHoe	CAT 0430 ECEAT 01012	9/14/2007	$80,879.00	N/A	Heavy Equip.	Diesel	Field	Yes	Yes	Replaced 209		-	-	-	-	-	-	-	-
220	2008	Sterling	LT 7500 Dump Truck (Stolen)	2FZHATBS88AZ60931	9/27/2007	$84,984.00	YA888	Heavy Equip.	Diesel	Field	Yes	Yes	Replaced 200	-	-	-	-	-	-	-	-	-
221	2008	Sterling	LT 7500 Dump Truck (Wrecked)	2FZHATBSX8AZ60932	10/8/2007	$84,984.00	YE004	Heavy Equip.	Diesel	Field	Yes	Yes	Replaced 201		-		-	-	-	-	-	-
222	2008	John Deere	700J Bulldozer	T0700JX162568	10/3/2008	$123,072.66	N/A	Heavy Equip.	Diesel	Field	Yes	Yes	Replaced 202			-	-	-	-	-	-	-
223	2010	John Deere	624K Loader	DW624KZ627283	12/10/2009	$157,303.79	N/A	Heavy Equip.	Diesel	Field	No	Yes	Replaced 213		-	-	-	-	-	$ 250,000.00	-	
224	2005	Clark	CDM25 Forklift (Propane)	CMP230L-0424-3586	4/29/2010	$14,995.00	N/A	Mech.	Propane	Field	No	Yes	Replaced 217	-	-	-	-	-	-	-		$ 40,000.00
225	2010	John Deere	333DT Track Skid Steer	1T0333DMPA0192439	11/29/2010	$57,702.40	N/A	Heavy Equip.	Diesel	Field	Yes	Yes	Destroyed by Fire	-		-	-	-	-	-	-	-
225-A	2010	John Deere	84" HD Construction Bucket		11/29/2010	$1,164.00	N/A	Heavy Equip.	N/A	Field	No	Yes	Replaced 302	-		-	-	-	-	-	-	-
225-B	2010	John Deere	48" Pallet Forks	0253KV/KV19146	11/29/2010	$1,244.00	N/A	Heavy Equip.	N/A	Field	No	Yes	Replaced 302	-	-	-	-	-	-	-	-	-
225-C	2010	John Deere	RC72 Rotary Cutter	TORC72X130035	11/29/2010	$5,296.80	N/A	Heavy Equip.	N/A	Field	Yes	Yes	Replaced 302	-	-	-	-	-	-	-	-	-
225-D	2010	John Deere	MH60 Mulching Head	TOMH60X130048	11/29/2010	$21,579.18	N/A	Heavy Equip.	N/A	Field	No	Yes	Replaced 302	-		-	-	-	-	-	-	-
225-E	2012	John Deere	BP84 Pick-Up Broom	1T0BP84XTB0000038	3/9/2012	$4,772.88	N/A	Heavy Equip.	N/A	Field	No	Yes	New	-	-	-	-	-	-	-	-	-
225-F	2016	Skid Pro	90" Low Profile Bucket			$2,045.00	N/A	Heavy Equip.	N/A	Field	No	Yes	New	-	-	-	-	-	-	-	-	-
225-G	2016	Skid Pro	Grapple Rake			$3,995.00	N/A	Heavy Equip.	N/A	Field	No	Yes	New									

Equipment Tag #	Year	Make	Description	Vin Serial Number	Acquisition Date	Purchase Price	Tag #	Use	Fuel Use	Location	Surplus	Capital Item	New or Replacement	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031
226	2011	John Deere	270D (Short Stick)	1FF270DXCA0703997	5/17/2011	$243,089.40	N/A	Heavy Equip.	Diesel	Field	No	Yes	New							-	-	-
227	2012	John Deere	250 GLC (Long Stick)	1FF250GXCCE608539	10/17/2012	$214,525.00	N/A	Heavy Equip.	Diesel	Field	Yes	Yes	Replaced 214	-						-	-	-
228	2015	Dorotea Mekaniska AB	Truxor DM 5045	9445041	4/15/2015	$136,325.00	N/A	Weed Eating	Diesel	Field	No	Yes	Replaced 208		-	-	-	-	-	-	-	-
229	2015	John Deere	250 GLC (Long Stick)	1FF250GXKFF609816	10/28/2015	$248,442.75	N/A	Heavy Equip.	Diesel	Field	No	Yes	Replaced 215		-	-	-					
230	2016	Peterbilt	567 Dump Truck	1NPCL70X6GD362484	2/11/2016	$136,996.00	YH499	Heavy Equip.	Diesel	Field	No	Yes	Replaced 220	-	-	-	-	-	-	-	-	-
231	2016	Caterpillar	D6K2LGP Bulldozer	CAT00D6KJRST02200	8/29/2016	$172,622.00	N/A	Heavy Equip.	Diesel	Field	No	Yes	Replaced 218		-	-	-	-	-	-	-	$ 225,000.00
232	2002	Terex	TA27 Offroad Dump Truck	A8051429	2/27/2018	$27,000.00	N/A	Heavy Equip.	Diesel	Field	No	Yes	Used/New		-	-	-	-	-	-	-	-
233	2018	ASV	RT 120 Track Skid Steer	ASVRT120PJDS01283	10/1/2018	$80,150.00	N/A	Heavy Equip.	Diesel	Field	No	Yes	New		-	-	-	-	-	-	$ 95,000.00	-
234	2019	Peterbilt	567 Dump Truck	1NPCL70X0KD624508	12/13/2018	$135,607.00	YK877	Heavy Equip.	Diesel	Field	No	Yes	New		-	-	-	-	-	-	-	-
235	2019	John Deere	710L Rubber Tire Backhoe	1T0710LXHKF346173	2/19/2019	$140,919.00	N/A	Heavy Equip.	Diesel	Field	No	Yes	New		-	-	-	$ 185,000.00		-	-	-
236	2019	John Deere	700KLGP Bulldozer	1T0700KHTKF364343	10/28/2019	$176,677.25	N/A	Heavy Equip	Diesel	Field	No	Yes	Replaced 222		-	-	-	-	-	-	-	-
237	2019	Bomag	BW 124 DH-5 Single Drum Compaction Roller	101587261050	11/12/2019	$58,862.40	N/A	Heavy Equip.	Diesel	Field	No	Yes	New		-	-	-	-	-	-	-	-
238	2021	John Deere	644P Wheel Loader	1DW644PAJMLZ11155	5/26/2021	$220,443.20	N/A	Heavy Equip.	Diesel	Field	No	Yes	Replaced 219		-	-	-	-	-	-	-	-
238-A	2021	Paladin	4.0 CY Bucket	J000144999-1	5/26/2021	$15,000.00	N/A	Heavy Equip.	N/A	Field	No	Yes	New		-	-	-	-	-	-	-	-
238-B	2021	TRM Manufacturing	QC Rake	1120-15838-2/1	5/26/2021	$10,415.00	N/A	Heavy Equip.	N/A	Field	No	Yes	New		-	-	-	-	-	-	-	-
238-C	2021	Paladin	106" x 72" Forks	J000142987-1	5/26/2021	$12,416.00	N/A	Heavy Equip.	N/A	Field	No	Yes	New		-	-	-	-	-	-	-	-
239	2021	John Deere	333G Track Skid Steer	1T0333GMMMF408096	9/16/2021	$82,468.88	N/A	Heavy Equip.	Diesel	Field	No	Yes	Replaced 225		-	-	-	-	-	-	-	-
239-A	2021	John Deere	C84 Utility Bucket	0023450	9/16/2021	$1,714.00	N/A	Heavy Equip.	N/A	Field	No	Yes	New		-	-	-	-	-	-	-	-
239-B	2021	John Deere	MH60D Mulching Head	1TOMH60DTM0000825	9/16/2021	$30,648.80	N/A	Heavy Equip.	N/A	Field	No	Yes	New		-	-	-	-	-	-	-	-
240	2024	John Deere	300P (Short Stick) Excavator	1FF300PACPF000308	12/21/2023	$325,383.80	N/A	Heavy Equip.	Diesel	Field	No	Yes	Replaced 226		$ 325,383.80	-	-	-	-	-	-	-
241	2024	John Deere	250P (Long Stick) Excavator	1FF250PAPPF000348	2/26/2024	$338,676.80	N/A	Heavy Equip.	Diesel	Field	No	Yes	Replaced 227		$ 338,676.80	-	-	-	-	-	-	-
242	2025	Peterbilt	537 Dump Truck	2NPMJJ7X5SM756428	4/3/2025	$190,042.00	YN078	Heavy Equip.	Diesel	Field	No	Yes	Replaced 221			$ 190,042.00						
243	2024	John Deere	250P (Long Stick) Excavator	1FF250PAJPF000370	1/14/2026	$334,000.00	N/A	Heavy Equip.	Diesel	Field	No	Yes	Replaced 229				$ 334,000.00					
243-A	2026	Pemberton	Aquatic Bucket			$7,495.00	N/A	Heavy Equip.	N/A	Field	No	Yes	New				$ 7,495.00					
															-	-	-	-	-	-	-	-
Mowers																						
302	1992	Kubota	B7100	B71008D60268	2/1/1992	$7,075.00	N/A	Mowing Tractor	Diesel	Field	Yes	Yes	Replaced by 225	-	-	-	-	-	-	-	-	-
304	1994	Ford	6640 Tractor	BD67058	3/1/1994	$20,215.00	N/A	Mowing Tractor	Diesel	Field	Yes	Yes	Replaced by 314	-	-	-	-	-	-	-	-	-
304-A	1992	Tiger	TRB-50-C Boom Wiper	2766HP	11/1/1992	$15,369.00	N/A	Implement	N/A	304	Yes	Yes		-	-	-	-	-	-	-	-	-
306			Tractor				N/A	Surpluses	Diesel	Field	Yes	Yes	Replaced by 312	-	-	-	-	-	-	-	-	-
306-A	1995	Tiger	TRB-50-C Boom Mower	TB-3397	7/1/1995	"$15369	N/A	Implement	N/A	306	Yes	Yes	Replaced by 312A	-	-	-	-	-	-	-	-	-
307	1996	John Deere	6300 Tractor	LOC300K199235	8/1/1997	$30,363.00	N/A	Mowing Tractor	Diesel	Field	Yes	Yes	Replaced by 315	-	-	-	-	-	-	-	-	-
307-A	1997	Tiger	TRB-50-C Boom Mower	TB-3982HP	10/1/1997	$16,188.00	N/A	Implement	N/A	307	Yes	Yes		-	-	-	-	-	-	-	-	-
308	2000	John Deere	6310 Tractor	L06310H275936	7/1/2000	$32,028.00	N/A	Mowing Tractor	Diesel	Field	Yes	Yes	Replaced by 320	-	-	-	-	-	-	-	-	-
308-A	2000	Tiger	TRB-50-C Boom Mower	50004576	2/1/2000	$18,560.00	N/A	Implement	N/A	308	Yes	Yes	Replaced by 320A	-	-	-	-	-	-	-	-	-
309	2000	John Deere	6310 Tractor	L06310H275936	7/1/2000	$32,028.00	N/A	Mowing Tractor	Diesel	Field	Yes	Yes	Replaced by 319	-	-	-	-	-	-	-	-	-
309-A	2000	Tiger	TRB-50-C Boom Mower	50004581	2/1/2000	$18,560.00	N/A	Implement	N/A	Field	Yes	Yes	Replaced by 319A	-	-	-	-	-	-	-	-	-
310	2002	John Deere	6320 Tractor	L06320H336114	8/2/2002	$32,519.42	N/A	Mowing Tractor	Diesel	Field	Yes	Yes	Replaced by 318	-	-	-	-	-	-	-	-	-
310-A	2002	Rhino	Batwing Mower	FM15-15572	12/11/2001	$9,639.00	N/A	Implement	N/A	Field	Yes	Yes		-	-	-	-	-	-	-	-	-
311	2002	John Deere	6320 Tractor	L06320H341170	8/2/2002	$32,519.42	N/A	Mowing Tractor	Diesel	Field	Yes	Yes	Replaced by 317	-	-	-	-	-	-	-	-	-
311-A	2002	Rhino	Batwing Mower	FM15-15551	12/11/2001	$9,639.00	N/A	Implement	N/A	Field	Yes	Yes		-	-	-	-	-	-	-	-	-
312	2005	John Deere	6320 Tractor	L06320H465368	10/26/2005	$57,693.45	N/A	Mowing Tractor	Diesel	Field	Yes	Yes	Replaced 306	-	-	-	-	-	-	-	-	-
312-A	2005	Tiger	TRB-50-C Boom Mower	5776	10/26/2005	$20,765.92	N/A	Implement	N/A	Field	Yes	Yes	Replaced 306A	-	-	-	-	-	-	-	-	-
313	2005	Hustler	ATZ 2700 Mower	3092209	7/11/2005	$9,276.00	N/A	Mowing Tractor	Gas	Field	Yes	Yes		-	-	-	-	-	-	-	-	-
314	2008	John Deere	7130 4x4 Cab Tractor	L07130H565180	5/29/2008	$87,885.00	N/A	Mowing Tractor	Diesel	Field	Yes	Yes	Replaced 304	-	-	-	-	-	-	-	-	-
314-A	2008	Alamo Maverick	30' Boom	01249	5/29/2008	$23,915.00	N/A	Implement	N/A	Field	Yes	Yes	Replaced 304A	-	-	-	-	-	-	-	-	-
315	2008	John Deere	7130 4x4 Cab Tractor	L07130H567296	5/29/2008	$87,885.00	N/A	Mowing Tractor	Diesel	Field	No	Yes	Replaced 307	-	-	-	-	-	$ 145,000.00	-	-	-
315-A	2008	Alamo Maverick	30' Boom	01242	5/29/2008	$23,915.00	N/A	Implement	N/A	Field	No	Yes	Replaced 307A	-	-	-	-	-	-	-	-	-
316	2008	John Deere	Z-Trac 72" Commercial Mower	03092209	8/7/2008	$13,785.39	N/A	Parks	Diesel	Field	Yes	Yes	Replaced by 332	-	-	-	-	-	-	-	-	-
317	2011	John Deere	6430 4x4 Cab Tractor (Hugo)	L06430H627800	12/16/2010	$52,399.40	N/A	Mowing Tractor	Diesel	Field	No	Yes	Replaced 311	-	-	-	-	-	-	-	-	-
317-A	2008	John Deere	CX 15 Rotary Cutter Batwing Deck (Hugo)	W0CX15E006795	10/31/2008	$12,639.60	N/A	Implement	N/A	Field	Yes	Yes	Replaced 311A	-	-	-	-	-	-	-	-	-
317-B	2014	Schulte	XH 1500 Rotary Cutter Batwing Deck (Spare)	C30611129205	6/16/2014	$21,490.00	N/A	Implement	N/A	Field	Yes	Yes	Replaced 317-A	-	-	-	-	-	-	-	-	-
317-C	2020	Schulte	XH 1500-S4 Rotary Cutter Batwing Deck (Hugo)	C30821376010	10/20/2020	$23,500.00	N/A	Implement	N/A	Field	No	Yes	Replaced 317-B		-	-	-	$ 50,000.00		-	-	-
318	2011	John Deere	6430 4x4 Cab Tractor (Steven)	L06430H658735	12/16/2010	$52,399.40	N/A	Mowing Tractor	Diesel	Field	Yes	Yes	Replaced 310	-	-	-	-	-	-	-	-	-
318-A	2008	John Deere	CX 15 Rotary Cutter Batwing Deck (Steven)	W0CX15E006794	10/31/2008	$12,639.60	N/A	Implement	N/A	Field	Yes	Yes	Replaced 310A		-	-	-	-	-	-	-	-
318-B	2010	Schulte	XH 1500 Rotary Cutter Batwing Deck (Steven)	C30600759905	6/22/2011	$18,930.00	N/A	Implement	N/A	Field	Yes	Yes	Replaced 318-A	-	-	-	-	-	-	-	-	-
318-C	2017	Schulte	XH 1500 Rotary Cutter Batwing Deck (Steven)	C30810599708	11/27/2017	$21,500.00	N/A	Implement	N/A	Field	No	Yes	Replaced 318-B	-			$ 44,000.00	-	-	-	-	-
319	2013	John Deere	6115M 4x4 Cab Tractor	1L06115MEDH772586	10/22/2013	$93,414.00	N/A	Mowing Tractor	Diesel	Field	No	Yes	Replaced 309	-		-	-			$ 120,000.00	-	-
319-A	2013	Tiger	TB60 Boom Mower	TB60-1634	10/22/2013	$29,934.00	N/A	Implement	N/A	Field	No	Yes	Replaced 309A	-		-	-			$ 85,000.00	-	-
320	2013	John Deere	6115M 4x4 Cab Tractor	1L06115MCDH769673	10/23/2013	$93,414.00	N/A	Mowing Tractor	Diesel	Field	No	Yes	Replaced 308	-			-	-			$ 120,000.00	-
320-A	2013	Tiger	TB60 Boom Mower	TB60-1630	10/23/2013	$29,934.00	N/A	Implement	N/A	Field	No	Yes	Replaced 308A	-			-	-			$ 85,000.00	-
321	2015	John Deere	Z-997-R Zero-Turn Mower	1TCZ997RKFD010892	6/17/2015	$18,618.60	N/A	Parks	Diesel	Field	No	Yes	Replaced 313	-	-				-	$ 26,000.00	-	-
322	2016	Kubota	M6-111DTC-F 4x4 Cab Tractor	1647123	12/27/2016	$106,761.00	N/A	Mowing Tractor	Diesel	Field	Yes	Yes	Replaced 312	-	-	-	-		-	-	-	-
322-A	2016	Terrain King	KBRS Swivel Boom Mower	1647-118	12/27/2016	$35,000.00	N/A	Implement	N/A	Field	Yes	Yes	Replaced 312A	-	-	-	-		-	-	-	-
323	2017	Altoz	TRX 6601 V37 A (Trac Zero Turn)	XT123559	9/29/2017	$17,999.00	N/A	Mowing Tractor	Gas	Field	No	Yes	Replaced 313	-	-	-	-	$ 27,500.00	-	-	-	-
324	2017	Kubota	M6-111DTC-F 4x4 Cab Tractor	10567	10/16/2017	$105,402.00	N/A	Mowing Tractor	Diesel	Field	Yes	Yes	Replaced 314	-		-	-	-	-	-	-	-
324A	2017	Terrain King	KB22-KBRS Swivel Boom Mower	170903	10/16/2017	$35,000.00	N/A	Implement	N/A	Field	Yes	Yes	Replaced 314A			-	-	-	-	-	-	-
325	2019	John Deere	6145M 4x4 Cab Tractor (Hugo)	1L06145MCKG951241	1/6/2020	$94,235.68	N/A	Mowing Tractor	Diesel	Field	No	Yes	Replaced 317	-	-	-	-	-	-	-	$ 145,000.00	-
326	2019	John Deere	6145M 4x4 Cab Tractor (Steven)	1L06145MCKG950929	1/6/2020	$94,235.68	N/A	Mowing Tractor	Diesel	Field	No	Yes	Replaced 318	-	-	-	-	-	-	-	$ 145,000.00	-
327	2019	RC Mowers	TK-52 XP Remote Controlled Slope Mower	00713-18	5/19/2020	$45,595.25	N/A	Mowing Tractor	Gas	Field	No	Yes	New	-	-	-	-	-	$ 70,000.00	-	-	-
328	2020	Altoz	TRX 766 37HP Vang All TE (Trac Zero Turn)	XT724005	3/1/2021	$17,959.39	N/A	Mowing Tractor	Gas	Field	No	Yes	Replaced 316	-	-	-	-	-	$ 30,000.00	-	-	-
329	2021	John Deere	6110M 4x4 Cab Tractor	1L06110MJLH959288		$90,000.00	N/A	Mowing Tractor	Diesel	Field	No	Yes	New	-	-	-	-	-	-	-	-	-
329-A	2021	Diamond	DBM-C-N 22' Boom Mower w/50" Rotary Head	BOOM 30187 & DECK 31851		$39,900.00	N/A	Implement	N/A	Field	No	Yes	New	-	-	-	-	-	-	-	-	-
330	2022	RC Mowers	TK-52 XP Remote Controlled Slope Mower	623012		$55,250.00	N/A	Mowing Tractor	Gas	Field	No	Yes	New	-	-	-	-	-	-	-	-	$ 75,000.00
331	2023	John Deere	6110M 4x4 Cab Tractor	1L06110MCNG158323		$97,168.56	N/A	Mowing Tractor	Diesel	Field	No	Yes	Replaced 322	$ 97,168.56	-	-	-	-	-	-	-	-
331A	2023	Diamond	DBM-C-N 22' Boom Mower w/50" Rotary Head	Boom #40270 & Deck #40269		$70,000.00	N/A	Implement	N/A	Field	No	Yes	Replaced 322	$ 70,000.00								
332	2021	John Deere	Z-920-M Zero Turn Mower	1TC920MVJMT091009	4/25/2023	$6,250.00	N/A	Mowing Tractor	Gas	Field	No	Yes	Replaced 316	$ 6,250.00								
333	2024	John Deere	6145M 4x4 Cab Tractor	1L06145MTPG212078	1/31/2024	$141,951.28	N/A	Mowing Tractor	Diesel	Field	No	Yes	New		$ 141,951.28							
333A	2024	Schulte	XH 1500 Series 5 Rotary Batwing Mower	C35020702404	5/7/2024	$46,790.77	N/A	Implement	N/A	Field	No	Yes	New		$ 46,790.77							
334	2024	John Deere	6110M 4x4 Cab Tractor	1L06110MCRG216008	5/6/2024	$112,670.72	N/A	Mowing Tractor	Diesel	Field	No	Yes	Replaced 324		$ 112,670.72							
334A	2024	Diamond	DBM-C-N 22' Boom Mower w/50" Rotary Head	Boom #45518 & Deck #45506	5/6/2024	$76,736.00	N/A	Implement	N/A	Field	No	Yes	Replaced 324A		$ 76,736.00							
335	2025	John Deere	5067E Cab Utility Tractor w/ 7' or 8' deck	1PY5067EHSS402635		$50,109.39	N/A	Mowing Tractor	Diesel	Field	No	Yes	New			$ 50,109.39						
335-A	2024	Rhino	TW-27 84" Rotary Cutter	TW27-11300		$8,005.36	N/A	Implement	N/A	Field	No	Yes	New	-	-	$ 8,005.36	-	-	-	-	-	-

Equipment Tag #	Year	Make	Description	Vin Serial Number	Acquisition Date	Purchase Price	Tag #	Use	Fuel Use	Location	Surplus	Capital Item	New or Replacement	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031
Implements																						
400	1993	CEPCO	Trenching Bucket (209)	44600130C001		$1,100.00	N/A	Implement	N/A	Field	Yes	Yes		-	-	-	-	-	-	-	-	-
401	2004	Pemberton	Forks WA 123	1580608303L		$3,660.00	N/A	Implement	N/A	Field	Yes	Yes		-	-	-	-	-	-	-	-	-
402	1990	Athens	Disc	E90189		$1,200.00	N/A	Implement	N/A	Field	Yes	Yes		-	-	-	-	-	-	-	-	-
403	1990	Gill	Box Blade	1228			N/A	Implement	N/A	Field	Yes	Yes		-	-	-	-	-	-	-	-	-
404	1995	ECWCD	Harvester Trailer	FLT8596J	8/1/1996	$2,000.00	N/A	Trailer	N/A	Field	Yes	Yes		-	-	-	-	-	-	-	-	-
405	1996	Blackhawk	BLACKHAWK 50T TRAILER	1E9624301TE111011		$34,500.00	N/A	Trailer	N/A	Field	Stolen	Yes		-	-	-	-	-	-	-	-	-
406	1994	FHI Transportation	16' Lawn Trailer (blue)	MTC111030424413 83	5/1/2001	$1,350.00	38218	Trailer	N/A	Field	No	Yes		-	-	-	-	$ 7,500.00	-	-	-	-
407	2005	Shelby Carry On	16ft Utility Trailer	4YMUL16275G051871	12/28/2004	$1,699.98	N/A	Trailer	N/A	Field	No	Yes		-	-	-	-	-	-	-	-	-
408	2002	Burch	Wet blade	MX-8RM		$14,700.00	N/A	Implement	N/A	Field	Yes	Yes		-	-	-	-	-	-	-	-	-
409	2001	Finn	T30 Hydro seeder	1022	4/1/2002	$6,706.40	N/A	Implement	N/A	Field	No	Yes		-		-	-	-	-	-	-	-
410	2006	Vermeer	BC-1000XL Chipper	1VRY1119661006942	5/31/2006	$28,200.00	N/A	Implement	Diesel	Field	No	Yes		-	-	-		-	-	-	-	-
413	2005	Rhino	72" Mower	22543		$2,900.00	N/A	Implement	N/A	Field	Yes	Yes		-	-	-	-	-	-	-	-	-
414	2005	Sweepster	Broom, model M24C5A	521004		$4,600.00	N/A	Implement	N/A	Field	Yes	Yes		-	-	-	-	-	-	-	-	-
415	2002	Sepco	13" Bucket	44600130C001			N/A	Implement	N/A	Field	Yes	Yes		-	-	-	-	-	-	-	-	-
416	2004	CPL	Forks	1580-60-03031		"$3,660	N/A	Implement	N/A	Field	Yes	Yes		-	-	-	-	-	-	-	-	-
417	1992	Taylor	Mower	1031238H			N/A	Implement	N/A	Field	Yes	Yes		-	-	-	-	-	-	-	-	-
419	2007	Carry On	7'x12' Lawn Maint. Trailer	4ymul12177g068783	5/8/2007	$1,351.98	YM196	Trailer	N/A	Field	No	Yes		-	-	-	-	$ 10,000.00	-	-	-	-
420		Case	Flood Pump	18556		$0.00	N/A	Implement	N/A	Field	Yes	Yes		-	-	-	-	-	-	-	-	-
421	2007	Interstate 40DLA	40 ton Dump Truck Trailer	1JKDLA4028M009041	8/10/2007	$14,610.45	40090	Trailer	N/A	Field	No	Yes			-	-		$ 50,000.00		-	-	-
422	1998	Pemberton Forks	Model WA320	349841198		$0.00	N/A	Implement	N/A	Field	Yes	No		-	-	-	-	-	-	-	-	-
425	2009	Interstate	Low Boy Trailer Model	1JKDGN5039P010113	12/29/2008	$47,775.00	YH503	Trailer	N/A	Field	No	Yes	Replaced 405	-	-	-			-		-	$ 100,000.00
426	2012	Big Tex	16' 70PI-16X Utility Trailer	16VPX1624C2E16299	2/28/2012	$2,999.00	YM197	Trailer	N/A	Field	No	Yes	New	-	-				-	-	-	-
427	2007	Cerda	CBBH-9 Gravel Box - 9 C.Y.	C070263	11/17/2011	$4,600.00	N/A	Implement	N/A	Field	No	Yes	New	-	-	-	-	-	-	-	-	-
428	2012	MWI	CT006 6" Trash Pump (Culvert Crew)	4045TF2903074	12/10/2012	$30,976.00	N/A	Pump	Diesel	Field	No	Yes	New	-	-	-	-	-	-			60,000.00
429	2012	Big Tex	16' 70PI-16X Utility Trailer - Admin #428	16VPX1622C3E33239	1/22/2013	$2,723.00	YK878	Trailer	N/A	Field	No	Yes	New	-					-	-	-	-
429i	2015	LA-MSID Made	Tram Trailer (1,800 lbs.)	NOVIN0201069877	1/13/2015		YK880	Trailer	N/A					-	-	-	-	-	-	-	-	-
430	2014	Vermeer	BC1500 Brush Chipper	1VR2161V3E1006136	12/19/2014	$55,066.00	YE008	Implement	Diesel	Field	No	Yes	Replaced 410	-	-	-	-	-	-	$ 70,000.00		-
432-A	2015	Aqua-Barrier	8'x18'x50' long Aqua-Barrier Dam		4/21/2015	$11,190.75	N/A	Culvert Crew	N/A	Field	No	Yes	New	-	-	-	-	-	-	-	-	-
432-B	2015	Aqua-Barrier	8'x18'x50' long Aqua-Barrier Dam		4/21/2015	$11,190.75	N/A	Culvert Crew	N/A	Field	No	Yes	New	-	-	-	-	-	-	-	-	-
432-C	2015	Aqua-Barrier	8'x18'x50' long Aqua-Barrier Dam		4/21/2015	$11,190.75	N/A	Culvert Crew	N/A	Field	No	Yes	New	-	-	-	-	-	-	-	-	-
432-D	2015	Aqua-Barrier	8'x18'x50' long Aqua-Barrier Dam		4/21/2015	$11,190.75	N/A	Culvert Crew	N/A	Field	No	Yes	New	-	-	-	-	-	-	-	-	-
433	2017	Big Tex	20PH-20+5 Flat Deck Trailer	16VHX2025H6013870	10/19/2016	$7,258.00	YH506	Trailer	N/A	Field	No	Yes	New	-	-	-	-	-	-	-	-	25,000.00
434	2017	AMCO	LTF100B-2422 3Pt. Disc	A072861	7/17/2017	$7,795.00	N/A	Implement	N/A	Field	No	Yes	Replaced 402	-	-	-	-	-	-	-	-	-
435	2018	PJ Trailers	14' Dump Trailer	4P5DM1422J3031778	1/18/2018	$12,789.00	YM199	Trailer	N/A	Field	No	Yes	New	-	-	-	-	-	-	-	-	-
436	2021	CargoMate	24' Enclosed Lawn Trailer	5NHUNSZ27MU128508	5/19/2020	$6,490.00	YN927	Trailer	N/A	Field	No	Yes	New	-	-	-	-	-	-	-	-	-
437	2026	Black Iron	6'x12' Single Axle Utility Trailer	71FBU1216TB000407	4/16/2026	$2,192.00		Trailer	N/A	Field	No	No	New	-	-	-	$ 2,192.00	-	-	-	-	-
438	2026	Big Tex	7'x16' Tandem Axle Utility Trailer	16V1U2020T2468801	4/16/2026	$4,194.00		Trailer	N/A	Field	No	No	Replaced 407				$ 4,194.00					
														-	-	-	-	-	-	-	-	-
														-	-	-	-	-	-	-	-	-
Spraying																						
501	1987	Willie	50 GAL SPRAY TRAILER for 4 wheeler	2173		$800.00	N/A	Spray Equip.	Gasoline	Field	No	No		-	-	-	-	-	-	-	-	-
502	1996		50 GAL SPRAY RIG (Boat)	305050P		$1,400.00		Spray Equip.	Gasoline	Field	No	Yes		-	-	-	-	-	-	-	-	-
504		Husqvarna	BACK PACK BLOWER Two Stroke	ISOLEGD		$506.00	N/A	Spray Equip.	Cycle M	Field	No	No		-	-	-	-	-	-	-	-	-
505	1996	Granblo	TRUCK MOUNTED BLOWER	4007		$1,700.00	N/A	Spray Equip.		Field	No	Yes		-	-	-	-	-	-	-	-	-
506		Solo	BACK PACK SPRAYER			$120.00		Spray Equip.		Field	Yes	No		-	-	-	-	-	-	-	-	-
507		Solo	BACK PACK SPRAYER 412	455368		$506.00		Spray Equip.		Field	No	No		-	-	-	-	-	-	-	-	-
508	1998	Echo	ECHO BACKPACK SPRAYER	WEHXS-0244RE		$918.00		Spray Equip.		Field	No	No		-	-	-	-	-	-	-	-	-
509	1999	Chemical Containers	200 GAL Invert Rig			$4,948.00	N/A	Spray Equip.	Gasoline	Field	No	Yes		-	-	-	-	-	-	-	-	-
510	2000	Honda	HONDA RECON/4-WHEELER	478TE2105Y4001943		$3,475.00		Spray Equip.	Gasoline	Field	No	Stolen	Replaced with 523	-	-	-	-	-	-	-	-	-
512	2000	ECWCD	CARPET WIPER	N/A		$2,153.51		Spray Equip.		Field	Yes	Yes		-	-	-	-	-	-	-	-	-
513			MIXING FACILITY			"$2,153.51		Spray Equip.		Field	Yes	No		-	-	-	-	-	-	-	-	-
514	2000	Carpet Wiper				$3,858.91		Spray Equip.	n/a	Field	No	Yes		-	-	-	-	-	-	-	-	-
515			SPRAYER, 35-GALLON-ELECTRIC			$180.00	N/A	Spray Equip.		Field	No	No		-	-	-	-	-	-	-	-	-
518	2002	Mercury	BOAT MOTOR 15 hp	OT568442		"$1,398		Spray Equip.	n/a	Field	Yes	No	Replaced with 524	-	-	-	-	-	-	-	-	-
520	2002	ECWCD - In House	BOAT 15.7" FLATBOTTOM					Spray Equip.		Field	Yes	No	Replaced with 522	-	-	-	-	-	-	-	-	-
521	2002	Mercury	BOAT MOTOR, MERCURY,15HP	OT568442		"$1,398		Spray Equip.	Gasoline	Field	Yes	Yes	Replaced with 522A	-	-	-	-	-	-	-	-	-
522	2005	Carolina Skiff	17x8 Boat	EKH0053YL405	12/7/2005	$3,500.00	FL2847NB	Spray Equip.	n/a	Field	No	Yes	Replaced 520	-	-	-	-	-	-	-	-	-
522-A	2005	Yamaha 25	25 HP Boat Motor	1028885	12/7/2005	$5,991.00	N/A	Spray Equip.			No	Yes	Replaced 521	-	-	-	-	-	-	-	-	-
522-B	2006	Rocket International	T25 Boat Trailer		12/7/2005	$1,500.00	27523	Spray Equip.			No	Yes		-	-	-	-	-	-	-	-	-
523	2010	John Deere	HPX Gator 4x4		11/4/2010	$7,394.40	N/A	Spray Equip.			Stolen	Yes	Replaced 510	-				$ 40,000.00		-	-	-
524	2011	John Deere	Gator 625i XUV	M0625GS014872	8/29/2011	$9,441.79	N/A	Spray Equip.			No	Yes	Replaced 523	-				$ 25,000.00	-	-	-	-
524-A	2010	ECWCD - In House	65 Gallon - Gator Spray Rig	N/A	9/30/2010	$1,861.00	N/A	Spray Equip.			No	Yes	New	-	-	-	-	-	-	-	-	-
524-B	2011	ECWCD - In House	Gator Trailer	N/A	1/31/2011	$1,619.40	YC361	Spray Equip.			No	Yes	New	-	-	-	-	-	-	-	-	-
525	2011	Carolina Skiff	J14 Boat	EKHJ9351K011	7/8/2011	$1,704.00	FL5298PG	Spray Equip.	n/a	Field	No	Yes	New	-	-	-	-	-	-	-	-	-
525-A	2011	Mercury 15	15 HP 4 Stroke Boat Motor	OR417696	7/8/2011	$1,429.00	N/A	Spray Equip.			No	Yes	New		-	-	-	-	-	-	-	-
525-B	2011	ECWCD - In House	Boat Trailer	N/A	7/8/2011	$500.00	20547	Spray Equip.			No	No	New	-	-	-	-	-	-	-	-	-
526		YSI	Dissolved Oxygen Meter			$0.00		Spray Equip.	n/a	Field	No	No		-	-	-	-	-	-	-	-	-
135-A	2010	ECWCD - In House	Invert Spray Rig	N/A	9/30/2010	$2,756.50	N/A	Spray Equip.			No	Yes	New	-	-	-	-	-	-	-	-	-
136-A	2011	ECWCD - In House	Invert Spray Rig	N/A	8/31/2011	$2,171.26	N/A	Spray Equip.	n/a	Field	No	Yes	New	-	-	-	-	-	-	-	-	-
		TBD	Fiberglass Boat/Mud Boat Engine											-			-	$ 30,000.00	-	-	-	-
														-	-	-	-	-	-	-	-	-
														-	-	-	-	-	-	-	-	-
Service																						
600	1989	Miller	Welder	J6083047		"$2,500		Shop Equipment	Gasoline	Field	Yes	Yes	Replaced with 611	-	-	-	-	-	-	-	-	-
601	1995	Ingersal Rand	Air compressor	3OT771333		$1,745.00		Shop Equipment	Gasoline	110	Yes	Yes		-	-	-	-	-	-	-	-	-
602	1989	Ingersal Rand	Air compressor	3OT636767		$1,200.00		Shop Equipment	Gasoline	107	Yes	Yes		-	-	-	-	-	-	-	-	-
603	1989	Honda	HONDA EM1600 GENERATOR	GX1401385797	5/1/2001	$2,500.00		Shop Equipment	Gasoline	Field	No	Yes		-	-	-	-	-	-	-	-	-
604	1997	North Star	PRESSURE WASHER	157346	5/1/1997	$1,399.00		Shop Equipment	Gasoline	Field	No	Yes		-	-	-	-	-	-	-	-	-
606	2002	KW	6.6 Generator	165914	12/11/2001	$1,429.98		Shop Equipment	Gasoline	Hanger	No	Yes		-	-	-	-	-	-	-	-	-
607	2002	ESAB 679	Plasma Cutter PCM-875	PJ 115066	5/1/2002	$1,600.00		Shop Equipment	n/a	Hanger	No	Yes		-	-	-	-	-	-	-	-	-
608	2002	Globe	A/C Refrigerant Recovery Machine		9/16/2002	$1,178.00		Shop Equipment		Hanger	No	Yes		-	-	-	-	-	-	-	-	-

Equipment Tag #	Year	Make	Description	Vin Serial Number	Acquisition Date	Purchase Price	Tag #	Use	Fuel Use	Location	Surplus	Capital Item	New or Replacement	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031
609	2002	Miller - 251	Welder, Shop Miller Electric	868 MM251	5/2/2002	$1,680.00		Shop Equipment		Hanger	No	Yes		-	-	-	-	-	-	-	-	-
610	2003	Industrial Air	Air Compressor	A22111085	2/5/2003	$2,150.00		Shop Equipment		Hanger	No	Yes		-	-	-	-	-	-	-	-	-
611	2003	Miller	Bobcat 250 (Mech. Truck)	J6083047	10/31/2002	$2,605.00		Shop Equipment	Gasoline	110	No	Yes		-	-	-	-	-	-	-	-	-
612	2003	Rotary	9,000 lb. Vehicle Lift	02-3193414	12/3/2002	$3,500.00		Shop Equipment		Hanger	No	Yes		-	-	-	-	-	-	-	-	-
613	2004	Dewalt DG 6000	Generator, Dewalt GX340	2100032240	9/14/2004	$1,899.00		Shop Equipment	Gasoline	Field	No	Yes		-	-	-	-	-	-	-	-	-
614	1996	Waterman	Sluice gate opener	4181G	3/1/1996	$1,330.00		Shop Equipment		Field	No	Yes		-	-	-	-	-	-	-	-	-
615	1987	Dayton	WINCH, DAYTON (MODEL 3Z842A)	205		$2,000.00		Shop Equipment		Field	Yes	Yes		-	-	-	-	-	-	-	-	-
616	2000	Miller	Wire Feed Welder (KX102104)		9/1/2001	$1,050.00					No	Yes		-	-	-	-	-	-	-	-	-
617	2007	Stanley	Hydralic Power Unit 20 hp Honda	6080343	3/9/2007	$5,309.36	n/a	Shop Equipment	Gasoline	Field	No	Yes		-	-	-	-	-	-	-	-	-
618	2007	Stanley PD45-131	Post driver w/remote valves	6080343	3/9/2007	$1,938.14		Shop Equipment	n/a	Field	No	Yes		-	-	-	-	-	-	-	-	-
619	2007	Mowhawk TR-25A	25,000 lb. 4-POST Vehicle Lift	2876050007	9/14/2007	$15,044.74	n/a	Shop Equipment	n/a	Field	No	Yes	New	-	-	-			60,000.00	-	-	-
620	1993	Sweeney FAS 391	Torque Multiplier (Tim T. Truck)	6V7820		$1,183.00		Shop Equipment	n/a	Field	No	Yes		-	-	-	-	-	-	-	-	-
621	2005	Hotsy	Pressure Washer	HD 305-10538		$4,200.00		Shop Equipment		Field	No	Yes		-	-	-	-	-	-	-	-	-
622	2001	North Star 8000 PPC	Generator (Tim B. Truck)	8018775		$1,429.98		Shop Equipment	Gasoline	124	No	Yes		-	-	-	-	-	-	-	-	-
623	2010	Multiquip MVH120GH	Plate Compactor		3/23/2010	$1,800.00					No	Yes	New	-	-	-	-	-	-	-	-	-
624	2009	Ingersal Rand	Air Compresser		7/2/2009	$2,182.50					No	Yes	Replaced 602	-	-	-	-	-	-	-	-	-
625	2007	ESRI	ARCPAD w/Trimble Recon Handheld		10/19/2007	$4,300.00					No	Yes	New	-	-	-	-	-	-	-	-	-
626	2009	Wacker Neuson	G-25 Skid Mounted Generator (S. Marsh Inlet)		10/28/2009	$12,995.00					No	Yes	New	-	-	-	-	$ 20,000.00	-	-	-	-
627	2009	Wacker Neuson	G-25 Cart Mounted Generator (S. Marsh Outlet)		10/28/2009	$14,895.00					No	Yes	New	-	-	-	-	-	$ 20,000.00	-	-	-
628	2009	Wacker Neuson	G-25 Skid Mounted Generator (N. Marsh Outlet)		10/28/2009	$12,995.00					No	Yes	New	-	-	-	-	-	-	-	-	-
629	2000	Wacker DPU5045H	Plate Compactor		11/1/2011	$3,975.00					No	Yes	New / Used	-	-	-	-	-	-	-	-	-
630	2011	Wash Bay	Vehicle Wash VR/SPT 10 Closed Loop System		9/19/2011	$105,566.48					No	Yes	New	-	-	-	-	-	-	-	-	-
631	2011	Mowhawk TP-16	16,000 lb. 2-Post Vehicle Lift		9/19/2011	$17,766.38					No	Yes	New	-	-	-	-	-	-	-	-	-
632	2011	Kemper	Welding Fume Filter Type #8416114	230627	9/19/2011	$5,505.33					No	Yes	New	-	-	-	-	-	-	-	-	-
633	2011	Wacker Neuson	G-25 Skid Mounted Generator (N. Marsh Inlet)		8/22/2011	$13,667.00					No	Yes	New	-	-	-	-	-	-	-	-	-
634	2011	Liftmaster GH5011	Commercial Door Opener (Sorrano Bldg)		9/27/2011	$1,600.00					No	Yes	New	-	-	-	-	-	-	-	-	-
635	2012	Wacker G-120	Trailer Mounted Gen. (Back-up Power)		6/28/2012	$37,183.15					No	Yes	New	-	-	-	-	-	-	-	-	-
636	2012	Yellow Jacket	Refrigerant Management System		1/24/2013	$2,999.99					No	Yes	Replaced 608	-	-	-	-	-	-	-	-	-
637	2015	Bosch	Bosch TC220S Tire Machine & Balancer WBE4200		8/26/2015	$3,899.00					No	Yes	New	-	-	-	-	-	-	-	-	-
638	2015	Miller	Syncrowave 210 TIG/MIG Welder	MF410459L	10/22/2015	$3,100.00					No	Yes	New	-	-	-	-	-	-	-	-	-
															-	-	-	-	-	-	-	-
															-	-	-	-	-	-	-	-
															-	-	-	-	-	-	-	-
															-	-	-	-	-	-	-	-
666	2021	Miller	Welder												-	-	-	-	-	-	-	-
667	2021	JB	JB Heavy Duty Pipe Puller		6/22/2021	$16,364.29									-	-	-	-	-	-	-	-
															-	-	-	-	-	-	-	-
															-	-	-	-	-	-	-	-
														-	-	-	-	-	-	-	-	-
			Capital Fleet Cost			$10,023,958.01						Replacement Cost per year		173,418.56	1,349,704.09	372,050.75	449,646.00	570,000.00	595,000.00	786,000.00	660,000.00	775,000.00

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

AGENDA ITEM SUMMARY

Subject: Evaluation of Manager

Meeting Date: May 18, 2026

Agenda Item # 4B2

☐ **CONSENT** ☐ **ACTION** ☐ **OLD BUSINESS** ☐ **NEW BUSINESS**

Request Initiated By: ☐ **SUPERVISOR** _____ ☐ **ATTORNEY**

☐ **BOARD** ☐ **MANAGER** ☐ **ENGINEER** ☐ **AUDITOR**

1 Recommended motion: N/A

2 What the action accomplishes: Provides for the annual evaluation for the Manager. The forms are distributed and are due by the June Meeting.

3 Fiscal Impact:

4 Staff comments:

5 Staff review and recommended approval:

☐ **MANAGER** ☐ **ASSISTANT DISTRICT MGR**

☐ **ATTORNEY** ☐ **COMPTROLLER**

☐ **ENGINEER** ☐ **WATER RESOURCE MGR.**

6 Board Action:

☐ **APPROVED** ☐ **DENIED** ☐ **DEFERRED**

Performance Appraisal of District Manager

Name: _David Lindsay_____ Job Title: _District Manager___ Review Period: 2025-2026

Reviewed By Commissioner: _____ Date Reviewed: _____

Performance Rating Evaluation Instructions		
Ratings of performance are a definition of how well an employee is performing in the requirements of the job. Each requirement should be rated as it relates to the specific job task. The following ratings scaled should be used to rate each specific statement. Use these definitions as guidelines:		
Score	**Rating Scale**	**Definitions**
5	**Highly Effective**	**Significantly exceeds standards and Expectations; demonstrates high levels of productivity efficiency and effectiveness; basic objectives are surpassed**
4	**Effective**	**Consistently meets and usually exceeds standards and expectations; demonstrates productivity efficiency and effectiveness; basic objectives are surpassed**
3	**Meets Standards**	**Meets standards and expectations; demonstrates high levels of productivity efficiency and effectiveness; basic objectives are met**
2	**Needs Improvement**	**Typically meets standards and expectations; demonstrates high levels of productivity efficiency and effectiveness; basic objectives are at times not met**
1	**Not Effective**	**Fails to meet expectations; the individual requires development in specific areas in order to meet reasonable expectations for the performance dimension**

Major areas in the Assessment and Evaluation: These relate to the major activities that the District Manager performs on the job and/or goals that have been discussed and established by the Board of Commissioners. This is also an opportunity to discuss noteworthy accomplishments or areas of improvement.

The focus of this review will be based on observable and identifiable job-related performance of the District Manager. The evaluation will be based on his performance over the past year.

Space for your comments appears at the end of each area of evaluation. Please use this space to cite examples in support of the rating selected or to clarify the rating as you feel is necessary. Please comment in each section to maximize the impact of the evaluation. You may attach additional paper if necessary.

Score	Rating Scale
5	Highly Effective
4	Effective
3	Meets Standards
2	Needs Improvement
1	Not Effective

Assessment and Evaluation

1. LEADERSHIP

Provides leadership and supervision for Departments to ensure accountability and productivity**.**

- Carries out the directives of the Board, establishes plans, develops systems and processes
- Leads by example by adhering to the District's policy and procedures, rules, and ensuring subordinates do the same
- Motivates people, sparks others to take action, and takes action himself to achieve goals and policies of the Board of Commissioners
- Gains commitment from others; Capable and composed in high pressure situations; act with integrity, accountability and responsibility; demonstrates adaptability and self-development

OVERALL RATING FOR LEADERSHIP	
REVIEWER COMMENTS:	

2. **COMMUNICATION/INTERPERSONAL SKILLS**

- Communicates clearly, listens effectively; keeps others informed of necessary and factual information. Communicates routinely with the Board of Commissioners and keeps them apprised of pertinent issues.
- Expresses information in a clear and concise manner when making presentations
- Ensures open lines of Communication with the Board of Commissioners and all levels of the organization by providing updates related to policies, project status and other items of importance.
- Maintains effective communication with the media and is proactive in providing information to the public; builds relationships;

OVERALL RATING FOR COMMUNICATION/INTERPERSONAL SKILLS	
REVIEWER COMMENTS:	

Score	Rating Scale
5	Highly Effective
4	Effective
3	Meets Standards
2	Needs Improvement
1	Not Effective

3. FISCAL MANAGEMENT AND OVERSIGHT

- Maintains appropriate budgetary controls; monitors activities,
- Initiates timely and effective correcting actions, stays within budget and makes appropriate recommendations.
- Develops effective monitoring mechanisms to ensure that the organization is meeting the committed deadlines and timetables

OVERALL RATING FOR FISCAL MANAGEMENT AND OVERSIGHT	
REVIEWER COMMENTS:	

4. PLANNING/ORGANIZATION

- Engages effective and efficient planning to further the mission of the District.
- Planning is done in a strategic and thorough methodology focusing on the goals of the District.
- Establishes a sense of purpose; follows through on issues; brings people together successfully around tasks
- Manages the process decision making well; sets priorities and manages time effectively; committed to quality; promotes organizational teamwork
- Conducts timely and effective performance evaluations of staff, and holds supervisors accountable for effectively managing/supervising their employees

OVERALL RATING FOR PLANNING/ORGANIZATION	
REVIEWER COMMENTS:	

Score	Rating Scale
5	Highly Effective
4	Effective
3	Meets Standards
2	Needs Improvement
1	Not Effective

5. DECISION MAKING

- Exercises sound judgement in determining those issues that should be submitted to the Commission for consideration and approval
- Strategic thinking, analysis of issues and projects changes; uses sound judgement; develops effective and efficient solutions
- Makes logical decisions based on a thorough review of available information and soliciting input from the appropriate sources, but is also able to effectively make decisions rapidly in situations where information is limited and the outcome might be uncertain
- Assumes command of tasks presenting difficult or unusual circumstances and effectively assumes charge of field situations or incidents when necessary and when it is necessary to provide guidance and support.
-

OVERALL RATING FOR DECISION MAKING	
REVIEWER COMMENTS:	

6. **INITIATIVE**

- Identifies problems and obstacles or opportunities and takes action
- Demonstrates this initiative without being directed to do so.
- Works continually to improvement processes.

OVERALL RATING FOR INITIATIVE	
REVIEWER COMMENTS:	

Score	Rating Scale
5	Highly Effective
4	Effective
3	Meets Standards
2	Needs Improvement
1	Not Effective

7. TEAMWORK AND COOPERATION

- Works cooperatively with others; keeps others informed of necessary and factual information.
- Facilitates the operation of a team; promotes teamwork District-wide

OVERALL RATING FOR TEAMWORK AND COOPERATION	
REVIEWER COMMENTS:	

8. **INTERGOVERNMENTAL RELATIONS**

- Establishes and maintains productive Intergovernmental Relationships.
- Consistently acts in a manner that is courteous and professional
- Maintains effective working relationships with members of the Board, with citizens and community leaders, other outside organizations and the media.

OVERALL RATING FOR INTERGOVERNMENTAL RELATIONS	
REVIEWER COMMENTS:	

9. MANAGEMENT KNOWLEDGE

- Demonstrates knowledge of required laws, regulations, procedures and rules related to the management of the District.
- Demonstrates professional competency, quality and thoroughness. Prioritizes work and exercises good judgement.

OVERALL RATING FOR MANAGEMENT KNOWLEDGE	
REVIEWER COMMENTS:	

Score	Rating Scale
5	Highly Effective
4	Effective
3	Meets Standards
2	Needs Improvement
1	Not Effective

10. SUPPORT OF THE BOARD

Supports the Board of Commissioners priority focus areas and overall goals.

- Advises and assists the Board in establishing viewpoints, objectives, goals, polices, plans and programs, etc.
- Coordinates with vendors, District Attorney, Engineers, etc. to provide relevant information to the Board and keep projects moving.
- Advises the Board on needed resources and facilities, capital and operating financial needs, funds for replacement, expansion and improvement of products and services
- Assists the Board in establishing strategic control, in predicting trends, and measuring progress toward goals
- Keeps the Board informed of progress, predicts outcomes, initiates remedial action when necessary to make effective use of budgets, statements and reports

OVERALL RATING FOR MANAGEMENT KNOWLEDGE	
REVIEWER COMMENTS:	

SUMMARY SHEET

Please fill in the scores given for each topic in the assessment and evaluation.

LEADERSHIP	COMMUNICATION/ INTERPERSONAL SKILLS	FISCAL MANAGEMENT	PLANNING/ ORGANIZAITON	DECISION MAKING	INITIATIVE	TEAMWORK AND COOPERATION	INTERGOVERNMENTAL RELATIONS	MANAGEMENT KNOWLEDGE	Support of the Board

Overall Score

EVALUATOR'S COMMENTS (IF ANY)	
REVIEWER COMMENTS:	

Evaluator's Signature: _____ Date: _____

ADMINISTRATOR'S COMMENTS (IF ANY)	

Administrator's Signature: _____ Date: _____

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

AGENDA ITEM SUMMARY

Subject: Hurricane Pay Policy

Meeting Date: May 18, 2026

Agenda Item # 4B4

☐ **CONSENT** ☐ **ACTION** ☐ **OLD BUSINESS** ☐ **NEW BUSINESS**

Request Initiated By: ☐ **SUPERVISOR** _____ ☐ **ATTORNEY**

☐ **BOARD** ☐ **MANAGER** ☐ **ENGINEER** ☐ **AUDITOR**

1 Recommended motion: N/A

2 What the action accomplishes: Provides for a discussion forum regarding policy regarding extra pay during a Category 3 huricane,

3 Fiscal Impact:

4 Staff comments:

5 Staff review and recommended approval:

☐ **MANAGER** ☐ **ASSISTANT DISTRICT MGR**

☐ **ATTORNEY** ☐ **COMPTROLLER**

☐ **ENGINEER** ☐ **WATER RESOURCE MGR.**

6 Board Action:

☐ **APPROVED** ☐ **DENIED** ☐ **DEFERRED**

Emergency Operations Compensation (Hurricane/Disaster Response)

During officially declared emergency operations associated with a hurricane or natural disaster, the District may require employees to perform work in support of preparedness, response, and initial recovery activities.

All employees, including both hourly (non-exempt) and salaried (exempt) personnel, who are officially assigned and directed to work during designated emergency operations shifts (e.g., Team A/Team B) shall be compensated in accordance with this policy during the Emergency Operations Activation Period.

Emergency Operations Activation Period

The Emergency Operations Activation Period is a formally declared and time-limited window established by the District Manager (or designee) to control operations and ensure reimbursement eligibility. This period may be accompanied by a temporary suspension of the collective bargaining agreement, allowing for unusual emergency scheduling.

This period:

- **Begins and ends** upon formal activation of emergency operations in connection with a declared State of Emergency or Executive Order
- **Includes only**:
    - Pre-Event Preparation Phase (e.g., securing infrastructure, staging resources)
    - Emergency Response Phase (during and immediately following the event)
    - Initial Recovery Phase (e.g., debris clearance, critical service restoration)
- Written deactivation shall **not exceed fourteen (14) calendar days following the event**, unless extended in writing
- Any extension must be:
    - **Operationally justified**, and
    - **Approved in writing**, with defined start and end dates

---

Eligibility Requirements

To qualify for emergency operations compensation under this policy:

- Employees must be:
    - **Assigned to an emergency operations team** (e.g., Team A/Team B), or
    - **Formally deployed and directed** to perform emergency-related duties
- Compensation applies **only to hours actually worked**:
    - During the **Emergency Operations Activation Period**, and
    - While performing **emergency-related activities**

Standby and On-Site Readiness

- Employees required to remain **on-site at a District facility or designated location**, including periods of rest or sleep, shall be considered **engaged to wait** and such time shall be treated as **hours worked**, provided the employee is:
    - **Formally assigned**, and
    - **Required to remain on-site for immediate deployment or deployment support**.
- Compensable standby time must be:
    - **Pre-authorized by the District Manager**, and
    - **Operationally necessary for immediate response readiness**
- Standby/on-site readiness time is eligible only during the Emergency Operations Activation Period and while assigned to an approved and deployed emergency operations team.
- **Off-site on-call time** (e.g., at home or otherwise free to leave) is **not considered hours worked** unless the employee is **actively deployed**.
- All standby time must be:
    - **Documented with justification**, and
    - Supported by **time records and supervisory approval**

Compensation Provisions

When the Emergency Operations Activation Period overlaps with an employee's normal work schedule, compensation shall be applied as follows:

- **Regularly Scheduled Hours:**
  All employees shall receive **standard compensation at their regular rate of pay** for hours worked within their normal scheduled work hours.
- **Hourly (Non-Exempt) Employees:**
  Hours worked **outside of the employee's regularly scheduled work hours** as part of assigned emergency operations shall be compensated at the employee's **regular hourly rate plus time-and-one-half (1.5x)**.
- **Salaried (Exempt) Employees:**
  When assigned to emergency operations, shall receive compensation calculated at their **equivalent hourly rate plus time-and-one-half (1.5x)** for eligible hours worked outside their normal schedule, in accordance with this pre-established policy.
- Premium compensation applies only to incremental hours worked beyond the employee's established normal work schedule.

Limitations

- Premium pay applies only during assigned emergency operations shifts and within the approved activation period
- Work performed:
  - Outside assigned emergency operations
  - After formal deactivation
  - As part of long-term or permanent recovery
    shall be compensated under standard District pay policies
- Standby time must be reasonable and necessary.

Documentation and Compliance

The District must maintain the following documentation for internal documentation and potential FEMA reimbursement:

- Employee time records showing actual hours worked
- Emergency team assignments and schedules

- Description of work performed demonstrating disaster-related activities

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT

MANAGER'S REPORT

May 18, 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. FDEP wants a presentation from LA-MSID of what we wish to build and we should get a letter approving the project.

  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 have begun the process of relocating Gopher Tortoises to an approved site, so that we can excavate the entire reservoir. We have won a Sustainable Project Award from the American Society of Civil Engineers, SW FL Branch for CREST, Phase III! The project is up for Sustainable project for the SE United States! We can expect that we will have a ribbon-cutting in the summer 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.

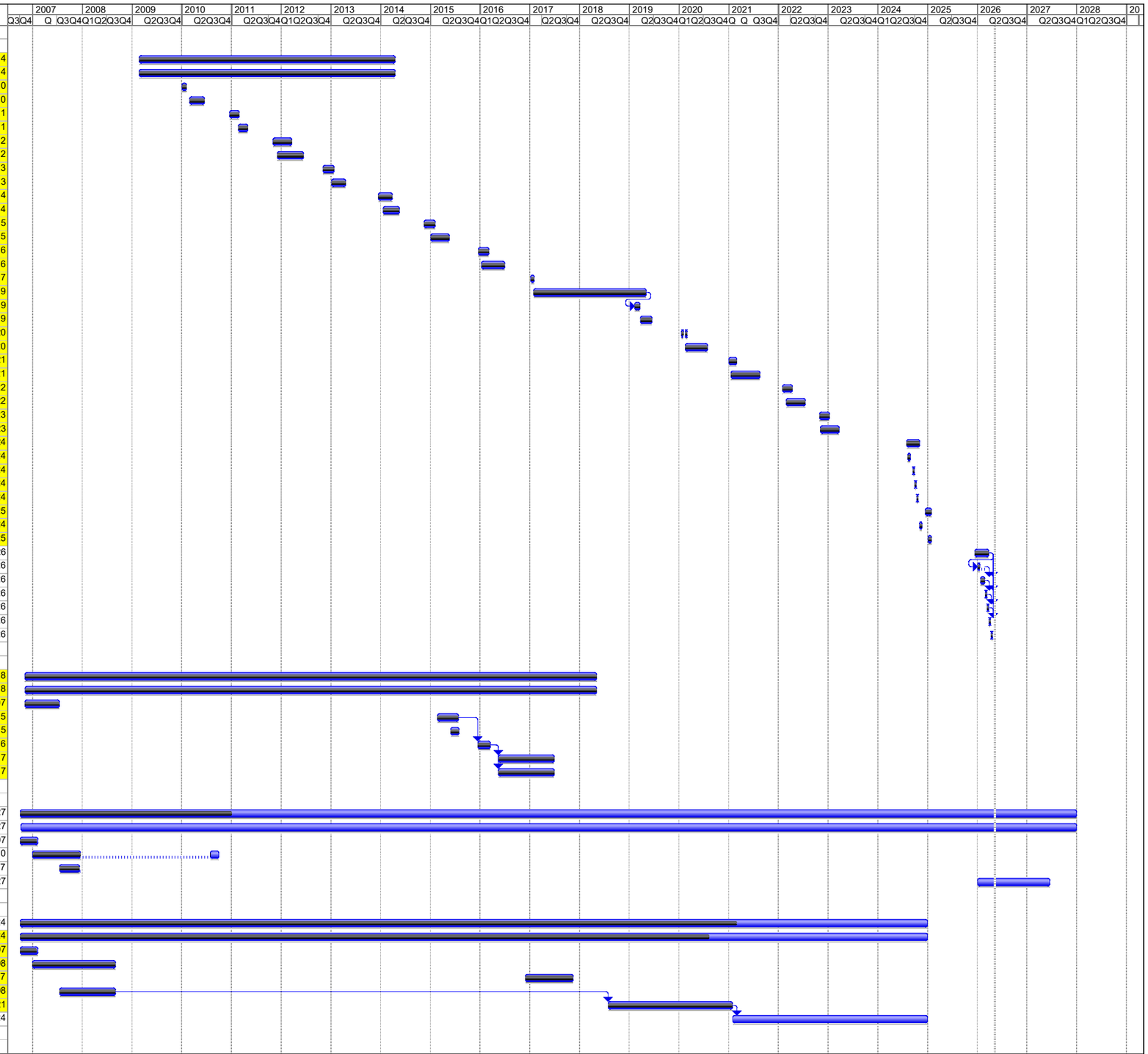
- Staff is reviewing policies to stay on top of our goals and keep the public up to date on our projects.
- We are continuing with our consistent social media posts. Staff has implemented a LA-MSID In Action & Water Quality Wednesday series of social media posts to showcase the work the District does. 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 May '26 is**. Rick Flynn. Rick is our newest employee and a Plant Control Technician II. He came to us with extensive spray experience and knowledge and has hit the ground running. Rick has fit right into the crew and has a bright future with the District. Thanks for your effort!

- **Upcoming Events: FASD** June 7-11, 2026 – Annual Conference - Orlando
  FSA June 17-19, 2026 – Annual Conference - Charlote Harbor

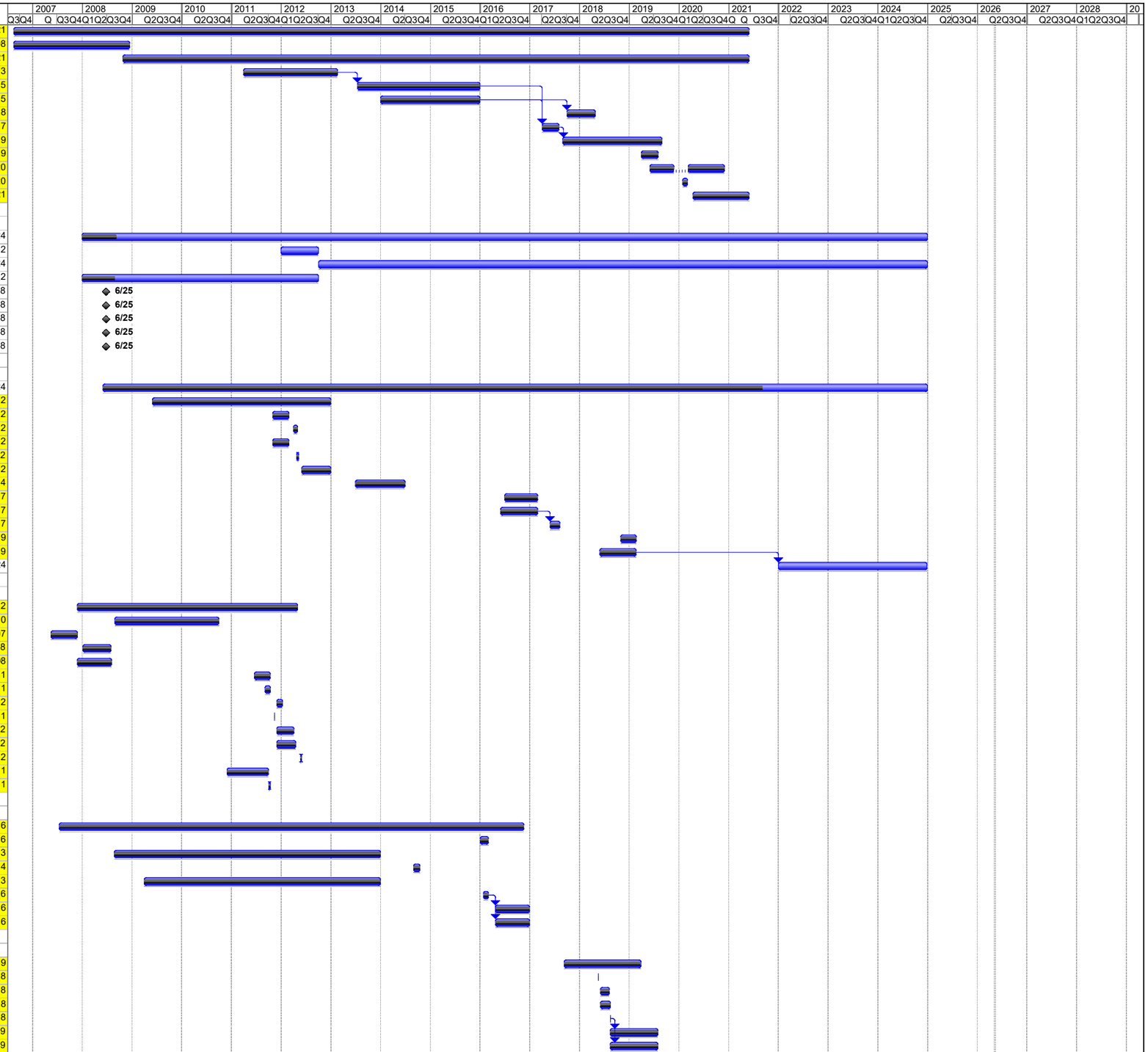
ID	ID	ID	Priori	Task Name	Duration	Start	Finish
1	1	1					
2	2	2					
3	3	3	0	2007 Facility Review Critical Culverts (25 Culverts)	1345 days?	Tue 2/24/09	Fri 4/18/14
4	4	4	29	Funding (25 Culverts)	1348 days?	Tue 2/24/09	Fri 4/18/14
5	5	5	30	Design (5 Culverts In-House - 2010)	25 days	Mon 1/4/10	Fri 2/5/10
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)	4764 days?	Wed 10/4/06	Tue 12/31/24
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.	1022 days	Mon 2/1/21	Tue 12/31/24
74	74	74					
75	75	75					



Project: Construction Project Schedule
Date: Thu 5/7/26

Task — Progress — Summary — External Tasks — Deadline
Split — Milestone — Project Summary — External Milestone

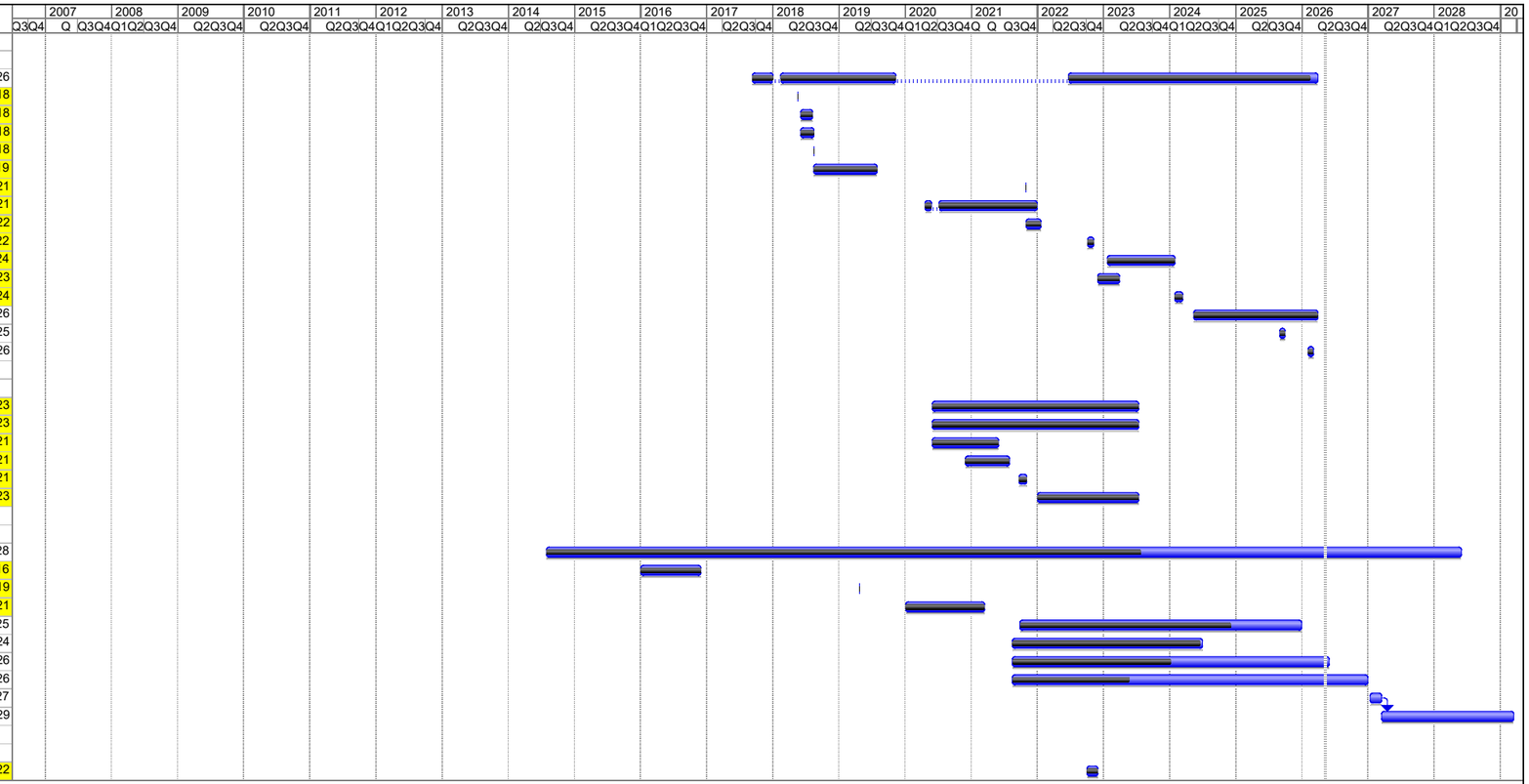
ID	ID	ID	Priori	Task Name	Duration	Start	Finish
76	76	76	0	West Marsh (W. Marsh) Phase I, II, & III	3859 days?	Thu 8/17/06	Mon 5/31/21
77	77	77	70	Land Purchase (W. Marsh)	609 days	Thu 8/17/06	Mon 12/15/08
78	78	78	71	Funding (W. Marsh)	3287 days	Mon 10/27/08	Mon 5/31/21
79	79	79	72	Pre Engineering (W. 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)	4436 days?	Tue 1/1/08	Tue 12/31/24
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)	0 days	Wed 6/25/08	Wed 6/25/08
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: Thu 5/7/26

Task | Progress | Summary | External Tasks | Deadline
Split | Milestone | Project Summary | External Milestone

ID	ID	ID	Priori	Task Name	Duration	Start	Finish
151	151	151					
152	152	152					
153	153	153	500	CREST Storage (Dog/Hendry Connection)	1522 days?	Mon 9/11/17	Tue 3/31/26
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)	490 days	Wed 5/15/24	Tue 3/31/26
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)	21 days	Fri 2/6/26	Fri 3/6/26
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"	3609 days?	Fri 8/1/14	Wed 5/31/28
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: Thu 5/7/26

Task — Progress — Summary — External Tasks — Deadline
Split — Milestone — Project Summary — External Milestone

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT
COMBINED BALANCE SHEET
MARCH 31, 2026 (UN-AUDITED)

			Capital Project Funds			
	General	Debt Service	Capital Projects	Capital Equipment	Bridge Renewal Replacement	Total
ASSETS						
Cash and Cash Equivalents	$ 4,304,467.95	$ 999,840.72	$ 0.00	$ 0.00	$ 0.00	$ 5,304,308.67
Due from Other Governments	38,027.91	0.00	333,015.72	0.00	0.00	371,043.63
Due from Other Funds	995,819.58	0.00	0.00	0.00	0.00	995,819.58
Accounts Receivable, net	664,348.22	0.00	0.00	0.00	0.00	664,348.22
Prepaid Items	15,560.60	0.00	0.00	0.00	0.00	15,560.60
Deposits	1,851.00	0.00	0.00	0.00	0.00	1,851.00
Restricted Investments	3,471,527.71	0.00	764,125.12	148,185.84	1,390,157.95	5,773,996.62
Total Assets	$ 9,491,602.97	$ 999,840.72	$ 1,097,140.84	$ 148,185.84	$ 1,390,157.95	$ 13,126,928.32
LIABILITIES, DEFERRED INFLOWS & FUND BALANCE						
LIABILITIES						
Accounts Payable	204,912.97	0.00	5,774.66	15,286.00	0.00	225,973.63
Retainage Payable	0.00	0.00	62,932.13	0.00	0.00	62,932.13
Due to Other Funds	0.00	0.00	724,564.73	258,346.08	12,908.77	995,819.58
Deposits	18,449.91	0.00	0.00	73,254.70	0.00	91,704.61
Accrued Liabilities	164,493.13	0.00	0.00	0.00	0.00	164,493.13
Total Liabilities	387,856.01	0.00	793,271.52	346,886.78	12,908.77	1,540,923.08
DEFERRED INFLOWS						
Unavailable Revenue - Grants	644,087.45	0.00	333,015.72	0.00	0.00	977,103.17
Total Deferred Inflows	644,087.45	0.00	333,015.72	0.00	0.00	977,103.17
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	2,611,073.74	143,156.55	(303,503.13)	(117,563.72)	24,448.02	2,357,611.46
Total Fund Balance	8,459,659.51	999,840.72	(29,146.40)	(198,700.94)	1,377,249.18	10,608,902.07
Total Liabilities, Deferred Inflows & Fund Balance	$ 9,491,602.97	$ 999,840.72	$ 1,097,140.84	$ 148,185.84	$ 1,390,157.95	$ 13,126,928.32

LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT
COMBINED STATEMENT OF REVENUES, EXPENDITURES AND CHANGES IN FUND BALANCE
MARCH 31, 2026 (UN-AUDITED)
YEAR-TO-DATE

			CAPITAL PROJECT FUNDS			
	General	Debt Service	Capital Projects	Capital Equipment	Bridge Renewal Replacement	Total
REVENUES						
Tax Assessments	$ 6,433,855.28	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 6,433,855.28
Tax Assessments - PY/Penalties/Interest	0.00	0.00	0.00	626.23	0.00	626.23
Tax Assessments - Discounts	(224,809.42)	0.00	0.00	0.00	0.00	(224,809.42)
Permit Fees	0.00	0.00	0.00	204,581.25	0.00	204,581.25
Intergovernmental - Grants	0.00	0.00	506,604.63	0.00	0.00	506,604.63
Miscellaneous Revenue	86,948.48	0.00	16,604.97	0.00	0.00	103,553.45
Interest Income	97,991.89	10,174.28	14,746.75	2,859.80	26,828.53	152,601.25
Total Revenues	$ 6,393,986.23	$ 10,174.28	$ 537,956.35	$ 208,067.28	$ 26,828.53	$ 7,177,012.67
EXPENDITURES						
Current						
Physical Environment						
Administration						
Personal Services	766,257.35	0.00	0.00	0.00	0.00	766,257.35
Operating Expenses	556,566.36	0.00	0.00	0.00	0.00	556,566.36
Total Administration	1,322,823.71	0.00	0.00	0.00	0.00	1,322,823.71
Field Operations						
Personal Services	1,490,118.00	0.00	0.00	0.00	0.00	1,490,118.00
Operating Expenses	412,376.24	0.00	0.00	0.00	2,380.51	414,756.75
Total Field Operations	1,902,494.24	0.00	0.00	0.00	2,380.51	1,904,874.75
Capital Outlay	0.00	0.00	841,459.48	356,781.00	0.00	1,198,240.48
Debt Service						
Principal	0.00	398,015.77	0.00	0.00	0.00	398,015.77
Interest	0.00	26,596.50	0.00	0.00	0.00	26,596.50
Total Debt Service	0.00	424,612.27	0.00	0.00	0.00	424,612.27
Total Expenditures	$ 3,225,317.95	$ 424,612.27	$ 841,459.48	$ 356,781.00	$ 2,380.51	$ 4,850,551.21
Excess of Revenues over (under) expenditures	$ 3,168,668.28	$ (414,437.99)	$ (303,503.13)	$ (148,713.72)	$ 24,448.02	$ 2,326,461.46
OTHER FINANCING SOURCES (USES)						
Transfers In	0.00	557,594.54	0.00	0.00	0.00	557,594.54
Transfers Out	(557,594.54)	0.00	0.00	0.00	0.00	(557,594.54)
Proceeds from Sale of Fixed Assets	0.00	0.00	0.00	31,150.00	0.00	31,150.00
Total other financing sources and uses	(557,594.54)	557,594.54	0.00	31,150.00	0.00	31,150.00
Net change in fund balance	2,611,073.74	143,156.55	(303,503.13)	(117,563.72)	24,448.02	2,357,611.46
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	$ 8,459,659.51	$ 999,840.72	$ (29,146.40)	$ (198,700.94)	$ 1,377,249.18	$10,608,902.07

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 March 31, 2026 (Un-Audited)

Benchmark 50.00 %

	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	6,433,855.28	(1,296,679.94)	83.23
Tax Assessments - Discounts	(231,916.06)	(224,809.42)	7,106.64	96.94
Permit Fees	0.00	0.00	0.00	0.00
Miscellaneous Revenue	38,529.76	86,948.48	48,418.72	225.67
Interest Income	125,000.00	97,991.89	(27,008.11)	78.39
Prior Year Surplus	0.00	0.00	0.00	0.00
Total Revenues	7,662,148.92	6,393,986.23	(1,268,162.69)	83.45
EXPENDITURES				
Current				
Physical Environment				
Administration				
Personal Services	1,743,975.00	766,257.35	977,717.65	43.94
Operating Expenses	774,475.00	556,566.36	217,908.64	71.86
Total Administration	2,518,450.00	1,322,823.71	1,195,626.29	52.53
Stormwater Operations				
Personal Services	3,250,783.00	1,490,118.00	1,760,665.00	45.84
Operating Expenses	979,176.30	412,376.24	566,800.06	42.11
Total Stormwater Operations	4,229,959.30	1,902,494.24	2,327,465.06	44.98
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	3,225,317.95	3,523,091.35	47.79
Excess of Revenues over (under) Expenditures	913,739.62	3,168,668.28	2,254,928.66	346.78
OTHER FINANCING SOURCES (USES)				
Transfers Out	(1,215,224.54)	(557,594.54)	657,630.00	45.88
Total Other Financing Sources and Uses	(1,215,224.54)	(557,594.54)	657,630.00	45.88
Net Change in Fund Balance	(301,484.92)	2,611,073.74	2,912,558.66	(866.07)
Fund Balance - Ending	5,428,940.18	8,459,659.51	3,030,719.33	155.83

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 March 31, 2026 (Un-Audited)

Benchmark 50.00 %

	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	10,174.28	3,174.28	145.35
Prior Year Surplus	0.00	0.00	0.00	0.00
Total Revenues	7,000.00	10,174.28	3,174.28	145.35
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	398,015.77	402,333.92	49.73
Interest	48,874.85	26,596.50	22,278.35	54.42
Other	0.00	0.00	0.00	0.00
Total Debt Service	849,224.54	424,612.27	424,612.27	50.00
Total Expenditures	849,224.54	424,612.27	424,612.27	50.00
Excess of Revenues over (under) Expenditures	(842,224.54)	(414,437.99)	427,786.55	49.21
OTHER FINANCING SOURCES (USES)				
Transfers In	849,224.54	557,594.54	(291,630.00)	65.66
Total Other Financing Sources and Uses	849,224.54	557,594.54	(291,630.00)	65.66
Net Change in Fund Balance	7,000.00	143,156.55	136,156.55	2,045.09
Fund Balance - Ending	863,684.17	999,840.72	136,156.55	115.76

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 50.00 %

	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	506,604.63	(2,608,395.37)	16.26
Miscellaneous Revenue	0.00	16,604.97	16,604.97	0.00
Interest Income	20,000.00	14,746.75	(5,253.25)	73.73
Prior Year Surplus	0.00	0.00	0.00	0.00
Total Revenues	3,135,000.00	537,956.35	(2,597,043.65)	17.16
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	10,975,000.00	841,459.48	10,133,540.52	7.67
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	841,459.48	10,133,540.52	7.67
Excess of Revenues over (under) Expenditures	(7,840,000.00)	(303,503.13)	7,536,496.87	3.87
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)	(303,503.13)	7,536,496.87	3.87
Fund Balance - Ending	(5,887,239.75)	(29,146.40)	5,858,093.35	0.50

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 50.00 %

	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	626.23	626.23	0.00
Permit Fees	50,000.00	204,581.25	154,581.25	409.16
Interest Income	3,600.00	2,859.80	(740.20)	79.44
Prior Year Surplus	0.00	0.00	0.00	0.00
Total Revenues	53,600.00	208,067.28	154,467.28	388.19
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)	(148,713.72)	207,686.28	41.73
OTHER FINANCING SOURCES (USES)				
Transfers In	366,000.00	0.00	(366,000.00)	0.00
Proceeds from Sale of Fixed Assets	0.00	31,150.00	31,150.00	0.00
Total Other Financing Sources and Uses	366,000.00	31,150.00	(334,850.00)	8.51
Net Change in Fund Balance	9,600.00	(117,563.72)	(127,163.72)	(1,224.62)
Fund Balance - Ending	(186,251.02)	(198,700.94)	(12,449.92)	106.68

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 50.00 %

	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	26,828.53	11,828.53	178.86
Prior Year Surplus	0.00	0.00	0.00	0.00
Total Revenues	300,000.00	26,828.53	(273,171.47)	8.94
EXPENDITURES				
Current				
Physical Environment				
Administration				
Total Administration	0.00	0.00	0.00	0.00
Stormwater Operations				
Operating Expenses	50,000.00	2,380.51	47,619.49	4.76
Total Stormwater Operations	50,000.00	2,380.51	47,619.49	4.76
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	2,380.51	47,619.49	4.76
Excess of Revenues over (under) Expenditures	250,000.00	24,448.02	(225,551.98)	9.78
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	24,448.02	(225,551.98)	9.78
Fund Balance - Ending	1,884,673.97	1,377,249.18	(507,424.79)	73.08

LEHIGH ACRES MSID

LEHIGH ACRES

MUNICIPAL SERVICES IMPROVEMENT DISTRICT

Memo

To: Board of Commissioners

From: Bill Walker

Date: 5/7/2026

Re: Field Report

The following Field Report details the field activities completed during the month of April 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 are working on special projects.

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 crews, inspecting the District's road crossing culverts and the NDPES Annual Report.

6) **Preserves:**
   Spray crews worked on preserve maintenance and special projects when weather was not conducive for canal treatments.

7) **Water Quality:**
   Staff has not received the Water Quality sampling results from the City of Cape Coral at the time of this report.

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.

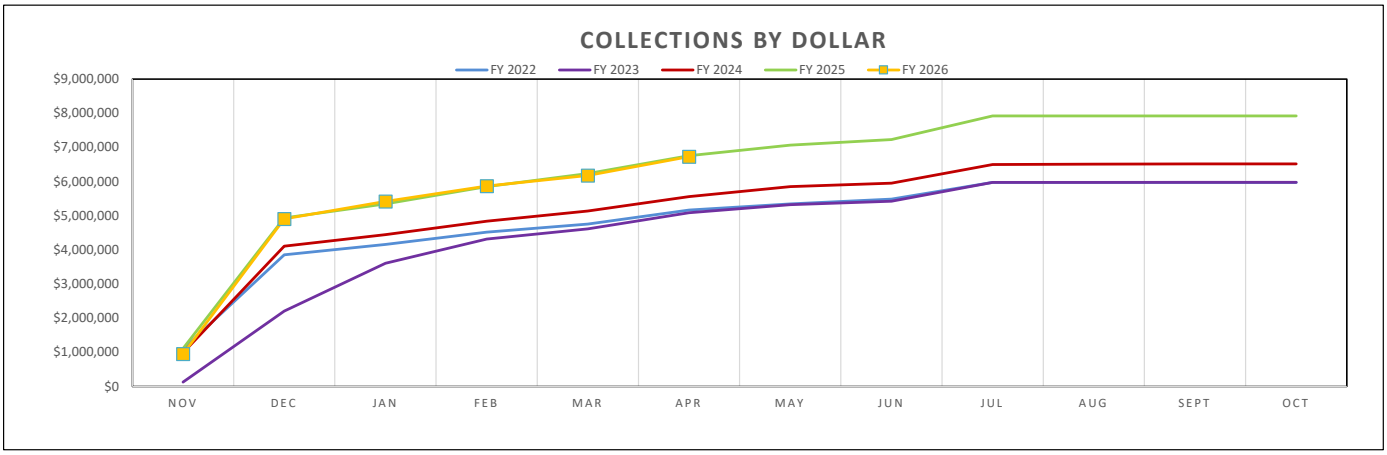
10) Education/ Meetings:

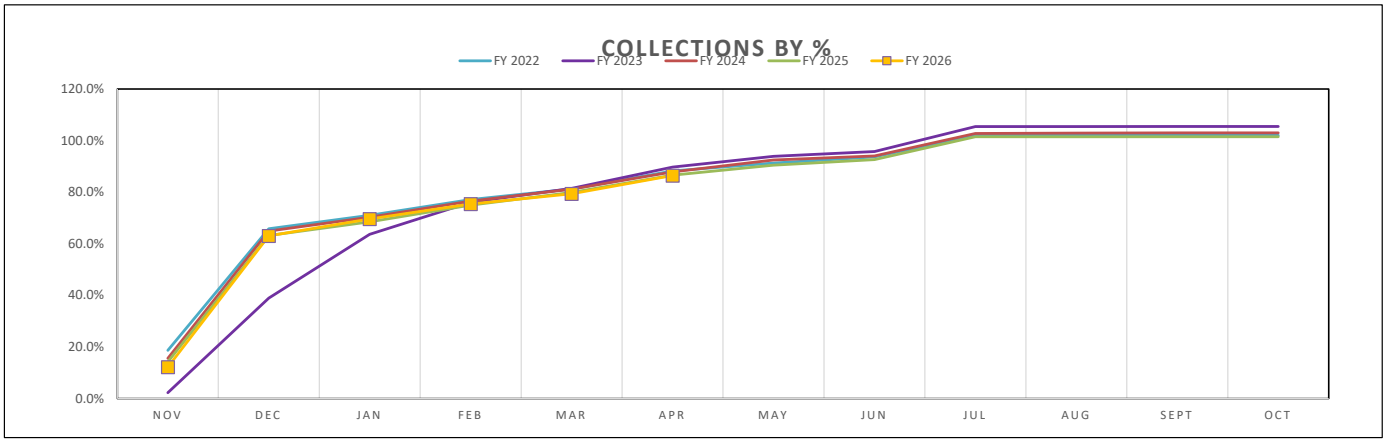
None to Report.

11) Vandalism:

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

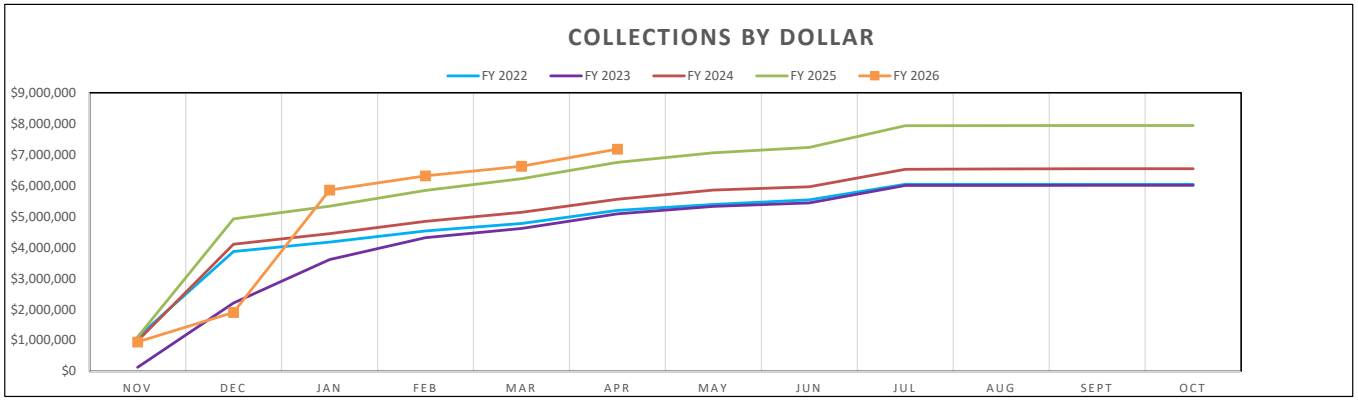
FY	Budget	Collections												Collections thru October
		Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	
2022	5,854,755	1,094,645	2,759,047	305,803	359,295	237,789	408,249	181,345	139,853	487,719	43	25	-	5,973,813
		1,094,645	3,853,692	4,159,495	4,518,789	4,756,578	5,164,827	5,346,172	5,486,026	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	-	-	-	-	-	-	6,729,606
		951,417	4,908,476	5,420,259	5,870,108	6,176,402	6,729,606	6,729,606	6,729,606	6,729,606	6,729,606	6,729,606	6,729,606	
		12.22%	63.06%	69.64%	75.42%	79.35%	86.46%	86.46%	86.46%	86.46%	86.46%	86.46%	86.46%	

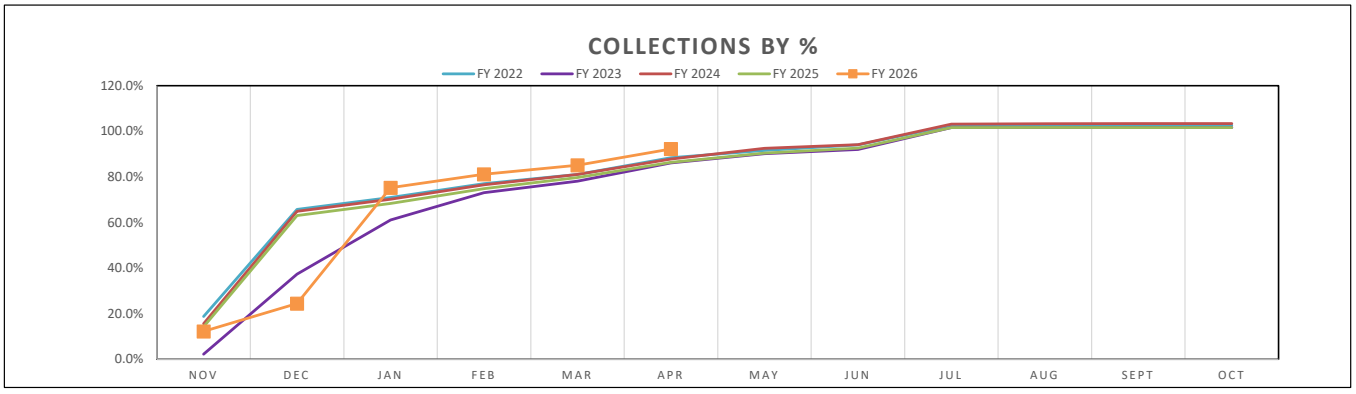




LEHIGH ACRES MUNICIPAL SERVICES IMPROVEMENT DISTRICT
Lee & Hendry County Tax Collections (Cash Basis)
Current Year, Prior Years, Interest and Penalties
Cumulative Tax Revenues: % of Budget and Gross Dollars
FY 2022 - FY 2026

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	-	-	-	-	-	-	7,179,427
		951,621	1,903,038	5,860,182	6,319,687	6,626,177	7,179,427	7,179,427	7,179,427	7,179,427	7,179,427	7,179,427	7,179,427	
		12.23%	24.45%	75.29%	81.19%	85.13%	92.24%	92.24%	92.24%	92.24%	92.24%	92.24%	92.24%	





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	-	-	-	-	-	-	8,640,842
		1,021,870	5,038,940	5,599,448	6,132,319	6,980,376	8,640,842	8,640,842	8,640,842	8,640,842	8,640,842	8,640,842	8,640,842	
		13.1%	64.7%	71.9%	78.8%	89.7%	111.0%	111.0%	111.0%	111.0%	111.0%	111.0%	111.0%	

