PLANNING AND ZONING BOARD MEETING

CITY OF LAKE CITY

June 10, 2025 at 5:30 PM

Venue: City Hall

AGENDA

The meeting will be held in the City Council Chambers on the second floor of City Hall located at 205 North Marion Avenue, Lake City, FL 32055. Members of the public may also view the meeting on our YouTube channel. YouTube channel information is located at the end of this agenda.

INVOCATION

ROLL CALL

MINUTES

i. Meeting Minutes: May 13, 2025.

OLD BUSINESS- None

NEW BUSINESS

ii. **SPR 25-02**- Petitions submitted by Jeffery Scott of Jemel Realestate Holdings (Owner), for a Site Plan Review for AutoZone, in the Commercial Intensive Zoning District, and located on parcel 02461-007, which is regulated by the Land Development Regulations section 4.13.

iii. **SPR 25-05**- Petitions submitted by Lance Jones, PE (agent) for Odom Moses and Company, LLP (owner), for a Site Plan Review for Expansion of Odom Moses and Company building, in the Commercial Intensive Zoning District, and located on parcel 02461-506, which is regulated by the Land Development Regulations section 4.13.

WORKSHOP- None

ADJOURNMENT

YouTube Channel Information

Members of the public may also view the meeting on our YouTube channel at: https://youtube.com/c/CityofLakeCity

Pursuant to 286.0105, Florida Statutes, the City hereby advises the public if a person decides to appeal any decision made by the City Council with respect to any matter considered at its meeting or hearings, he or she will need a record of the proceedings, and that, for such purpose, he or she may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based.

Pursuant to 286.26, Florida Statutes, persons needing special accommodations to participate in this meeting should contact the City Manager's Office at (386) 719-5768.

File Attachments for Item:

i. Meeting Minutes: May 13, 2025.

PLANNING AND ZONING

MEETING MINUTES

DATE: 05/13/2025

ROLL CALL:

Mrs. Wilson- Present	Mrs. Douglas- Present	Mrs. Johnson- Not Present
Mr. Lydick- Present	Mr. Carlucci- Present	Mrs. Adams- Not Present
Mrs. McKellum- Present	City Attorney- Clay Martin- Present	

MINUTES: April 15, 2025, Planning and Zoning Meeting

Comments or Revisions: None

Motion to approve 04/15/2025 Meeting Minutes by Mrs. Douglas and seconded by Mr. Carlucci

Ex Parte Communications- None

OLD BUSINESS: None

NEW BUSINESS:

Petition # CPA 25-02 **Presented By:** Cynthia Spidell AICP, Simone Savino Esq., and Michael Mullen PE, MBA

As owner or agent and gives address of: 401 E Jackson St, Tampa FL and 200 Galleria Parkway, Atlanta

Petitioner is Sworn in by: Mr. Martin **Staff is Sworn in by:** Mr. Martin

Mr. Martin read resolution 2025-PZ/LPA CPA 25-02 by title into the record.

Discussion:

Bryan introduced CPA 25-02. Bryan moved the staff presentation into the record. Simone introduced petition CPA 25-02. Michael presented what RaceTrac would bring to the City. Simone presented petition CPA 25-02. Cynthia presented petition CPA 25-02. Cynthia moved the packet and presentation into the record.

Exhibits introduced: Power point presentation.

Public Comment: None

Mr. Lydick closed public comment

Board Discussion:

No board discussion of the petition. Mr. Martin directed the board that their decision needs to be based on evidence by sworn witnesses in addition the application may be approved if it meets the criteria Article 15.2.2 of the Land Development Regulations.

Motion to approve CPA 25-02 by resolution as stated by Mr. Martin, by: Mr. Carlucci **Motion Seconded By:** Mrs. McKellum.

Mrs. McKellum: Yes **Mr. Carlucci:** Yes **Mrs. Douglass**: Yes **Mrs. Wilson:** Yes
Mrs. Johnson: Absent **Mrs. Adams:** Absent **Mr. Lydick**: Yes

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Petition # Z 25-01 **Presented By:** Cynthia Spidell AICP, Simone Savino Esq., and Michael Mullen PE, MBA
As owner or agent and gives address of: 401 E Jackson St, Tampa FL and 200 Galleria Parkway, Atlanta
Petitioner is Sworn in by: Mr. Martin **Staff is Sworn in by:** Mr. Martin

Mr. Martin read resolution 2025-PZ/LPA Z 25-02 by title into the record.

Discussion:

Bryan introduced Z 25-02. Bryan moved the staff presentation into the record. Cynthia presented the zoning change. Simone concluded the presentation. Simone moved the packet and presentation into the record.

Exhibits introduced: Power point presentation.

Public Comment: None

Mr. closed public comment

Board Discussion:

No board discussion of the petition. Mr. Martin directed the board that their decision needs to be based on evidence by sworn witnesses in addition the application may be approved if it meets the criteria Article 15.2.2 of the Land Development Regulations.

Motion to approve Z 25-02 by resolution as stated by Mr. Martin, by: Mrs. McKellum **Motion Seconded By:** Mrs. Douglas

Mrs. McKellum: Yes **Mr. Carlucci:** Yes **Mrs. Douglass**: Yes **Mrs. Wilson:** Yes
Mrs. Johnson: Absent **Mrs. Adams:** Absent **Mr. Lydick**: Yes

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Petition # CPA 25-03 **Presented By:** Carol Chadwick, PE
As owner or agent and gives address of: 1208 SW Fairfax Glen
Petitioner is Sworn in by: Mr. Martin **Staff is Sworn in by:** Mr. Martin

Mr. Martin read resolution 2025-PZ/LPA CPA 25-03 by title into the record.

Discussion:

Bryan introduced CPA 25-03. Bryan moved the staff presentation into the record. Carol introduced petition CPA 25-03. Carol moved the packet and presentation into the record.

Exhibits introduced: None

Public Comment: None

Mr. Lydick closed public comment

Board Discussion:

Mr. Lydick and Mrs. McKellum asked the applicant, Carol Chadwick, questions about the intended use of the site. Mr. Martin directed the board that their decision needs to be based on evidence by sworn witnesses in addition the application may be approved if it meets the criteria Article 15.2.2 of the Land Development Regulations.

Motion to approve CPA 25-03 by resolution as stated by Mr. Martin, by: Mrs. Douglass **Motion Seconded By:** Mrs. Wilson.

Mrs. McKellum: Yes **Mr. Carlucci:** Yes **Mrs. Douglass**: Yes **Mrs. Wilson:** Yes
Mrs. Johnson: Absent **Mrs. Adams:** Absent **Mr. Lydick**: Yes

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Petition # Z 25-04 **Presented By:** Carol Chadwick, PE
As owner or agent and gives address of: 1208 SW Fairfax Glen
Petitioner is Sworn in by: Mr. Martin **Staff is Sworn in by:** Mr. Martin

Mr. Martin read resolution 2025-PZ/LPA Z 25-04 by title into the record.

Discussion:

Bryan introduced Z 25-04. Bryan moved the staff presentation into the record. Carol introduced petition Z 25-04. Carol moved the packet and presentation into the record.

Exhibits introduced: None

Public Comment: None

Mr. Lydick closed public comment

Board Discussion:

No board discussion. Mr. Martin directed the board that their decision needs to be based on evidence by sworn witnesses in addition the application may be approved if it meets the criteria Article 15.2.2 of the Land Development Regulations.

Motion to approve Z 25-04 by resolution as stated by Mr. Martin, by: Mr. Carlucci **Motion Seconded By:** Mrs. McKellum.

Mrs. McKellum: Yes **Mr. Carlucci:** Yes **Mrs. Douglass**: Yes **Mrs. Wilson:** Yes
Mrs. Johnson: Absent **Mrs. Adams:** Absent **Mr. Lydick**: Yes

Petition # Z 25-03 **Presented By:** Carol Chadwick, PE
As owner or agent and gives address of: 1208 SW Fairfax Glen
Petitioner is Sworn in by: Mr. Martin **Staff is Sworn in by:** Mr. Martin

Mr. Martin read resolution 2025-PZ/LPA Z 25-03 by title into the record.

Discussion:

Bryan introduced Z 25-03. Bryan moved the staff presentation into the record. Bryan recommended that the board deny the petition, Z 25-03, based on Policy I.1.5.2 of the Comprehensive Plan and Section 4.11.1 of the Land Development Regulations. Carol presented petition Z 25-03. Carol explained why this application should be approved. Carol moved the packet and presentation into the record. Bryan discussed the reason for the denial.

Exhibits introduced: None

Public Comment: Todd Sampson, Buddy Slay, Robin Snipe, and Mary Slay provided public comment.

Mr. Lydick closed public comment

Board Discussion:

The board discussed possibly tabling the petition. Mr. Martin asked Mr. Slay if he was willing to waive his right to

Mr. Martin directed the board that their decision needs to be based on evidence by sworn witnesses in addition the application may be approved if it meets the criteria Article 15.2.2 of the Land Development Regulations. Mr. Martin directed the board that if they are going to adopt the above mentioned resolution, he suggested an amendment to remove the seventh recital of the resolution based on testimony.

Motion to table until staff can research doing a text amendment Z 25-04 by resolution as stated by Mr. Martin, by: Mr. Carlucci **Motion Seconded By:** Mrs. McKellum.

Mrs. McKellum: Yes	**Mr. Carlucci:** Yes	**Mrs. Douglass**: Yes	**Mrs. Wilson:** Yes
Mrs. Johnson: Absent	**Mrs. Adams:** Absent	**Mr. Lydick**: Yes	

WORKSHOP: None

ADJOURNMENT

Mr. Lydick closed the meeting.

Motion to Adjourn by: Mrs. Douglas
Time: 7:07 pm
Motion Seconded By: Mrs. McKellum

PLANNING AND ZONING

MEETING MINUTES

_____ _____

Mr. Lydick, Board Chairperson **Date Approved**

_____ _____

Robert Angelo, Secretary **Date Approved**

File Attachments for Item:

ii. SPR 25-02- Petitions submitted by Jeffery Scott of Jemel Realestate Holdings (Owner), for a Site Plan Review for AutoZone, in the Commercial Intensive Zoning District, and located on parcel 02461-007, which is regulated by the Land Development Regulations section 4.13.

GROWTH MANAGEMENT
205 North Marion Ave.
Lake City, FL 32055
Telephone: (386)719-5750
E-Mail:
growthmanagement@lcfla.com

FOR PLANNING USE ONLY
Application # SPR 25-02
Application Fee $200.00
Receipt No. 2025-00060049
Filing Date 02-06-2025
Completeness Date 03-25-2025

Site Plan Application

A. PROJECT INFORMATION

1. Project Name: AutoZone Lake City
2. Address of Subject Property: NWC US-90 W & NW FOREST MEADOWS AVE, Lake City, FL
3. Parcel ID Number(s): 34-3S-16-02461-007
4. Future Land Use Map Designation: Commercial
5. Zoning Designation: Commercial
6. Acreage: 1.22
7. Existing Use of Property: Vacant Commercial
8. Proposed use of Property: Free standing AutoZone Parts Store
9. Type of Development (Check All That Apply):

☐ Increase of floor area to an existing structure: Total increase of square footage _____
☑ New construction: Total square footage 7,381
☐ Relocation of an existing structure: Total square footage _____

B. APPLICANT INFORMATION

1. Applicant Status ■ Owner (title holder) □ Agent
2. Name of Applicant(s): Jeffrey Scott Title: President
   Company name (if applicable): Jemel Realestate Holdings
   Mailing Address: 1043 Pineview Circle SW
   City: Live Oak State: Florida Zip: 32064
   Telephone: (901) 495-7253 Fax: (____) _____ Email: robert.ross@autozone.com

PLEASE NOTE: Florida has a very broad public records law. Most written communications to or from government officials regarding government business is subject to public records requests. Your e-mail address and communications may be subject to public disclosure.

3. If the applicant is agent for the property owner*.
   Property Owner Name (title holder): _____
   Mailing Address: _____
   City: _____ State: _____ Zip: _____
   Telephone: (____) _____ Fax: (____) _____ Email: _____

4. Mortgage or Lender Information: □ Yes ■ No
   Name of Mortgage or Lender: _____
   Contact Name: _____ Telephone Number: _____
   E-Mail Address: _____
   If property has a mortgage or lender, the mortgage or lender shall be required to provide a release for this application to proceed.

PLEASE NOTE: Florida has a very broad public records law. Most written communications to or from government officials regarding government business is subject to public records requests. Your e-mail address and communications may be subject to public disclosure.
***Must provide an executed Property Owner Affidavit Form authorizing the agent to act on behalf of the property owner.**

C. ADDITIONAL INFORMATION

1. Is there any additional contract for the sale of, or options to purchase, the subject property?
   If yes, list the names of all parties involved: No
   If yes, is the contract/option contingent or absolute: □ Contingent □Absolute
2. Has a previous application been made on all or part of the subject property? □Yes xNo
3. Future Land Use Map Amendment: □Yes_____ ■No _____
   Future Land Use Map Amendment Application No. _____
   Site Specific Amendment to the Official Zoning Atlas (Rezoning): □Yes_____■No_____
   Site-Specific Amendment to the Official Zoning Atlas (Rezoning) Application No. _
   Variance:□Yes_____■No_____
   Variance Application No. _____
   Special Exception: □Yes_____ ■No_____
   Special Exception Application No. _____

D. ATTACHMENT/SUBMITTAL REQUIREMENTS

1. **Vicinity Map** – Indicating general location of the site, abutting streets, existing utilities, complete legal description of the property in question, and adjacent land use.

2. **Site Plan** – Including, but not limited to the following:
   a. Name, location, owner, and designer of the proposed development.
   b. Present zoning for subject site.
   c. Location of the site in relation to surrounding properties, including the means of ingress and egress to such properties and any screening or buffers on such properties.
   d. Date, north arrow, and graphic scale not less than one inch equal to 50 feet.
   e. Area and dimensions of site (Survey).
   f. Location of all property lines, existing right-of-way approaches, sidewalks, curbs, and gutters.
   g. Access to utilities and points of utility hook-up.
   h. Location and dimensions of all existing and proposed parking areas and loading areas.
   i. Location, size, and design of proposed landscaped areas (including existing trees and required landscaped buffer areas).
   j. Location and size of any lakes, ponds, canals, or other waters and waterways.
   k. Structures and major features fully dimensioned including setbacks, distances between structures, floor area, width of driveways, parking spaces, property or lot lines, and percent of property covered by structures.
   l. Location of trash receptacles.
   m. For multiple-family, hotel, motel, and mobile home park site plans:
      i. Tabulation of gross acreage.
      ii. Tabulation of density.
      iii. Number of dwelling units proposed.
      iv. Location and percent of total open space and recreation areas.
      v. Percent of lot covered by buildings.

vi. Floor area of dwelling units.
vii. Number of proposed parking spaces.
viii. Street layout.
ix. Layout of mobile home stands (for mobile home parks only).

3. **Stormwater Management Plan**—Including the following:
   a. Existing contours at one-foot intervals based on U.S. Coast and Geodetic Datum.
   b. Proposed finished elevation of each building site and first floor level.
   c. Existing and proposed stormwater management facilities with size and grades.
   d. Proposed orderly disposal of surface water runoff.
   e. Centerline elevations along adjacent streets.
   f. Water management district surface water management permit.

4. **Fire Department Access and Water Supply Plan:** The Fire Department Access and Water Supply Plan must demonstrate compliance with Chapter 18 of the Florida Fire Prevention Code, be located on a separate signed and sealed plan sheet, and must be prepared by a professional fire engineer licensed in the State of Florida. The Fire Department Access and Water Supply Plan must contain fire flow calculations in accordance with the Guide for Determination of Required Fire Flow, latest edition, as published by the Insurance Service Office ("ISO") and/or Chapter 18, Section 18.4 of the Florida Fire Prevention Code, whichever is greater.

5. **Mobility Plan:** Mobility plan shall include accessibility plan for ADA compliance, safe and convenient onsite traffic flow, and accessibility plan for bicycle and pedestrian safety. The City shall require additional right of way width for bicycle and pedestrian ways to be provided for all proposed collector and arterial roadways, as integrated or parallel transportation facilities per Policy II.1.4 of the Comprehensive Plan.

6. **Concurrency Impact Analysis**: Concurrency Impact Analysis of impacts to public facilities. For commercial and industrial developments, an analysis of the impacts to Transportation, Potable Water, Sanitary Sewer, and Solid Waste impacts are required.

7. **Comprehensive Plan Consistency Analysis**: An analysis of the application's consistency with the Comprehensive Plan (analysis must identify specific Goals, Objectives, and Policies of the Comprehensive Plan and detail how the application complies with said Goals, Objectives, and Policies).

8. **Legal Description with Tax Parcel Number** (In Word Format).

9. **Proof of Ownership** (i.e. deed).

10. **Agent Authorization Form** (signed and notarized).

11. **Proof of Payment of Taxes** (can be obtained online via the Columbia County Tax Collector's

Office).

12. **Fee:** The application fee for a Site and Development Plan Application is $200.00. No application shall be accepted or processed until the required application fee has been paid

13. **Notices:** All property owners within three hundred (300) feet must be notified by certified mail by the proponent and proof of the receipt of these notices must be submitted as part of the application package submittal.
    The Growth Management Department shall supply the name and addresses of the property owners, The notification letters, and the envelopes to the proponent.

ACKNOWLEDGEMENT, SIGNATURES, AND NOTORY ON FOLLOWING PAGE

NOTICE TO APPLICANT

All eleven (13) attachments listed above are required for a complete application. Once an application is submitted and paid for, a completeness review will be done to ensure all the requirements for a complete application have been met. If there are any deficiencies, the applicant will be notified in writing. If an application is deemed to be incomplete, it may cause a delay in the scheduling of the application before the Planning & Zoning Board.

A total of eight (2) copies of proposed site plan application and all support materials must be submitted along with a PDF copy on a CD. See City of Lake City submittal guidelines for additional submittal requirements.

THE APPLICANT ACKNOWLEDGES THAT THE APPLICANT OR AGENT MUST BE PRESENT AT THE PUBLIC HEARING BEFORETHE PLANNING AND ZONING BOARD, AS ADOPTED IN THE BOARD RULES AND PROCEDURES, OTHERWISE THE REQUEST MAY BE CONTINUED TO A FUTURE HEARING DATE.

I hereby certify that all of the above statements and statements contained in any documents or plans submitted herewith are true and accurate to the best of my knowledge and belief.

Jeffrey T. Scott

Applicant/Agent Name (Type or Print)

Applicant/Agent Signature

12-1-2024

Date

Applicant/Agent Name (Type or Print)

Applicant/Agent Signature

Date

STATE OF FLORIDA/Georgia
COUNTY OF RANDOLPH

The foregoing instrument was acknowledged before me this 1st day of December, 2024 by (name of person acknowledging).

CHRISTY M LUMPKIN NOTARY PUBLIC GEORGIA RANDOLPH COUNTY EXPIRES 02/19/2028

(NOTARY SEAL OR STAMP)

Christy M. Lumpkin

Signature of Notary

Christy M Lumpkin

Printed Name of Notary

Personally, Known ✓ OR Produced Identification _____ OR verified on-line virtually _____
Type of Identification Produced

VERTICAL DATUM: NAVD '88

NOTICE

THE SIZE OF THESE PLANS MAY HAVE BEEN SLIGHTLY ALTERED BY REPRODUCTION PROCESSES, THIS MUST BE CONSIDERED WHEN SCALING ANY REPRODUCED PLANS FOR THE PURPOSE OF COLLECTING DATA.

Matthew S. D'Angelo, State of Florida, Professional Engineer, License No. 91885 This item has been digitally signed and sealed by Matthew S. D'Angelo on the date indicated here. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies

CONSTRUCTION PLANS FOR

AutoZone

Matthew S D'Angelo

Digitally signed by Matthew S D'Angelo
DN: C=US, O=Unaffiliated, dnQualifier=A01410C0000018F0C30D7E40011E3B1, CN=Matthew S D'Angelo
Reason: I am the author of this document
Location:
Date: 2025.05.29 11:13:37 -04'00'
Foxit PDF Editor Version: 13.0.1

NWC OF US-90 W. & NW FOREST MEADOWS AVE, LAKE CITY, FL 32055
SECTION 34 - TOWNSHIP 3 SOUTH - RANGE 16 EAST
PARCEL ID: 34-3S-16-03461-007

REVISIONS

1	2	3
4	5	6

CONSULTANTS

OWNER
AUTOZONE, INC.
123 S. FRONT STREET
MEMPHIS, TENNESSEE 38103
PHONE: (901) 495-8701
ATTN.: WADE DAVIS
EMAIL: WADE.DAVIS@AUTOZONE.COM

ENGINEER
CPH, INC.
5601 MARINER STREET
SUITE 105
TAMPA, FLORIDA 33609
PHONE: (813) 288-0233
ATTN.: MATTHEW S. D'ANGELO
EMAIL: MDANGELO@CPHCORP.COM

SURVEYOR
U.S. SURVEYOR
4929 RIVERWIND POINTE DRIVE,
EVANSVILLE, INDIANA 47715
PHONE: (800) 867-8783 EXT. 201
ATTN: MICHAEL FELDBUSCH, PSM

ARCHITECT
AUTOZONE, INC.
123 S. FRONT STREET
MEMPHIS, TENNESSEE 38103
PHONE: (901) 495-8707
ATTN.: GEORGE CALLOW, AIA

GEOTECH
FHG CONSULTANTS, LLC
P.O. BOX 26435,
GREENVILLE, SOUTH CAROLINA 29616
PHONE: (864) 520-6673
ATTN.: ROBIN BELL, P.E.

LANDSCAPE ARCHITECT
CPH, INC.
500 WEST FULTON STREET
SANFORD, FLORIDA 32771
PHONE: (407) 322-6841
ATTN.: DANITA BRYANT

UTILITY PROVIDERS

ELECTRIC
FLORIDA POWER AND LIGHT
2618 N.E. BASCOM NORRIS DR,
LAKE CITY, FLORIDA 32055
PHONE: (888) 988-8249

TELEPHONE
AT&T
2929 W. US HWY 90 STE. 108,
LAKE CITY, FLORIDA 32055
PHONE: (800) 288-2020

WATER
LAKE CITY UTILITIES
205 N. MARION AVE,
LAKE CITY, FLORIDA 32055
PHONE: (386) 719-5812

SEWER
LAKE CITY UTILITIES
205 N. MARION AVE,
LAKE CITY, FLORIDA 32055
PHONE: (386) 719-5812

APPROVAL AGENCIES

CITY OF LAKE CITY
LAKE CITY
205 N. MARION AVE,
LAKE CITY, FLORIDA 32055
PHONE: (386) 719-5812

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
NORTHEAST DISTRICT
8800 BAYMEADOWS WAY WEST, SUITE 100,
JACKSONVILLE, FLORIDA 32256-7590
PHONE: (904) 256-1700
FAX: (904) 256-1590

FIRE DEPARTMENT
LAKE CITY FIRE DEPARTMENT
225 N.W. MAIN BLVD,
LAKE CITY, FLORIDA 32055
PHONE: (386) 752-3312

SUWANNEE RIVER WATER MANAGEMENT DISTRICT
SUWANNEE RIVER WATER MANAGEMENT DISTRICT
9225 CR 49,
LIVE OAK, FLORIDA 32060
PHONE: (386) 362-1001

FDOT
FLORIDA DEPARTMENT OF TRANSPORTATION
1109 SOUTH MARION AVENUE,
LAKE CITY, FLORIDA 32025-5874
PHONE: (386) 758-3700

NOTES

LEGAL DESCRIPTION

THE LAND REFERRED TO HEREIN BELOW IS SITUATED IN THE COUNTY OF COLUMBIA, STATE OF FLORIDA, AND IS DESCRIBED AS FOLLOWS:

COMMENCE AT THE SOUTHWEST CORNER OF THE SOUTHWEST 1/4, SECTION 34, TOWNSHIP 3 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA AND RUN THENCE NORTH 06°06'06" EAST ALONG HE ROAD NO. 10 (U.S. HIGHWAY 90), THENCE SOUTH 63°54'24" EAST ALONG SAID NORTHERLY RIGHT OF WAY LINE, 1215.59 FEET TO THE POINT OF BEGINNING, THENCE CONTINUE SOUTH 63°54'24" EAST ALONG SAID NORTHERLY RIGHT OF WAY LINE, 150.00 FEET TO THE WEST RIGHT OF WAY LINE OF PLANTATION BOULEVARD, THENCE NORTH 06°49'16" EAST ALONG SAID WEST RIGHT OF WAY LINE, 370.45 FEET TO A POINT OF CURVE, THENCE NORTHERLY ALONG SAID WEST RIGHT OF WAY LINE ALONG SAID CURVE CONCAVE TO THE WEST HAVING A RADIUS OF 1530.00 FEET AND A CENTRAL ANGLE OF 01°00'04", AN ARC DISTANCE OF 26.73 FEET, THENCE NORTH 63°54'24" WEST, 107.02 FEET TO A POINT ON A CURVE, THENCE SOUTHWESTERLY ALONG SAID CURVE CONCAVE TO THE NORTHWEST HAVING A RADIUS OF 50.00 FEET AND A CENTRAL ANGLE OF 56°08'18", AN ARC DISTANCE OF 48.99 FEET THENCE SOUTH 07°49'57" WEST 351.16 FEET TO THE POINT OF BEGINNING, LESS AND EXCEPT THAT PORTION CONVEYED TO THE STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION BY THAT CERTAIN WARRANTY DEED RECORDED ON MARCH 4, 2005 IN OFFICIAL RECORDS BOOK 1039, PAGE 2032.

RESERVING HOWEVER TO GRANTOR, OWNERSHIP OF AN ADVERTISING SIGN LOCATED ON THAT PORTION OF THE ABOVE DESCRIBED PROPERTY MORE DESCRIBED PROPERTY MORE DESCRIBED IN THAT CERTAIN WARRANTY DEED RECORDED ON MARCH 4, 2005 IN OFFICIAL RECORDS BOOK 1039, PAGE 2032.

AND

TOGETHER WITH A PERPETUAL NON-EXCLUSIVE EASEMENT FOR INGRESS AND EGRESS OVER AND ACROSS THE ABOVE DESCRIBED LANDS TO REPAIR, REPLACE AND MAINTAIN SAID ADVERTISING SIGN.

THE LEGAL DESCRIPTION, TO BE DETERMINED BY A SURVEY, IS TO BE PROVIDED TO THE COMPANY, BY A FLORIDA REGISTERED LAND SURVEYOR; MEETING THE MINIMUM STANDARDS FOR ALL LAND SURVEYS AS SET FORTH IN CHAPTER 472.027, FLORIDA STATUES OR IN CHAPTER 21 HH 6, FLORIDA ADMINISTRATIVE CODE.

THE COMPANY RESERVES THE RIGHT TO MAKE SUCH ADDITIONAL SCHEDULE B-I, REQUIREMENTS; SCHEDULE B-II, EXCEPTIONS; AND/OR TO MODIFY THE FOREGOING LEGAL DESCRIPTION, AS IT DEEMS NECESSARY.

INDEX OF SHEETS

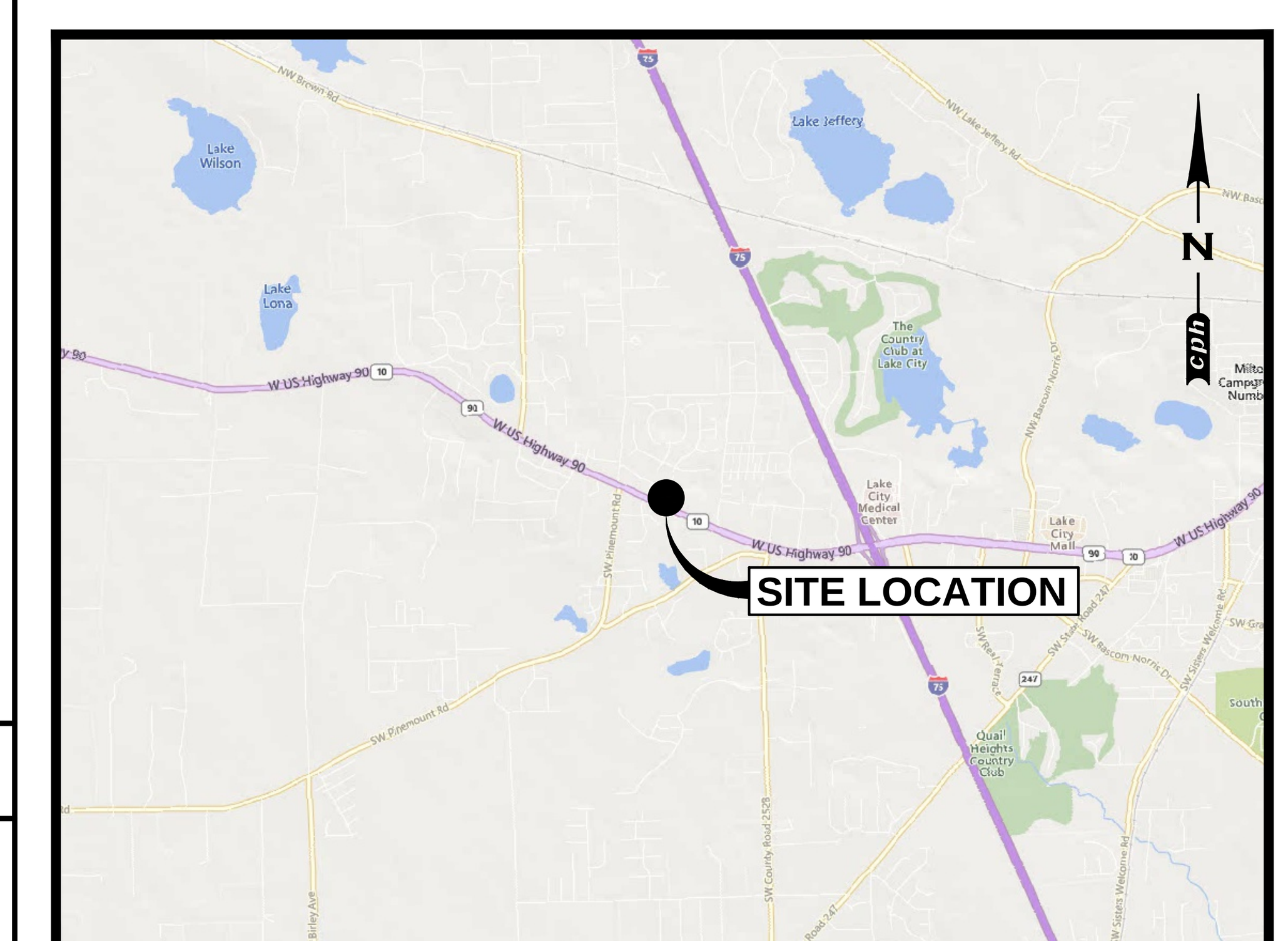
FLOOD ZONE

BY GRAPHIC PLOTTING ONLY, THIS PROPERTY IS IN ZONE "X" OF THE FLOOD INSURANCE RATE MAP, COMMUNITY PANEL NO. 12023C0290D, WHICH BEARS AN EFFECTIVE DATE OF 11/2/2018 AND IS NOT IN A SPECIAL FLOOD HAZARD AREA.

ZONE "X" - AREA OF MINIMAL FLOOD HAZARD, USUALLY DEPICTED ON FIRMS AS ABOVE THE 500-YEAR FLOOD LEVEL. ZONE "X" IS THE AREA DETERMINED TO BE OUTSIDE THE 500-YEAR FLOOD AND PROTECTED BY LEVEE FROM 100-YEAR FLOOD

MAPS

LOCATION MAP
SCALE: 1" = 500'
ORANGE COUNTY / FLORIDA



VICINITY MAP
SCALE: 1" = 5,000'
ORANGE COUNTY / FLORIDA

AutoZone Store No. FL10562
NWC OF US-90 W &
NW FOREST MEADOWS AVE,
LAKE CITY, FLORIDA 32055
COVER SHEET

Owner / Developer: AUTOZONE STORES LLC
123 South Front Street, 3rd Floor
Memphis, Tennessee 38103
TEL.901-495-8709 FAX: (901) 495-8969
For Bidding & Contractor Information Contact:
Dodge Data & Analytics. Tel. 413-930-4215
Cindy.searcy@construction.com

MATTHEW S. D'ANGELO
FL P.E. No. 91885
09/21/22

Always call 811 two full business days before you dig
Sunshine811.com
www.sunshine811.com

Plans Prepared By:
CPH, Inc.
5601 Mariner Street, Suite 105 Tampa, FL 33609
Ph: 813.288.0233
www.cphcorp.com
Eng. C.O.A. No. 3215 Arch. Lic. No. AA2600926
Survey L.B. No. 7143 Landscp. Lic. No. LC0000298

THIS SHEET NOT VALID FOR CONSTRUCTION WITHOUT COMPLETE SET OF PLANS. SEE GENERAL NOTES FOR MASTER LEGEND.

5/28/2025

7N2

C0.1

J:\A20190\Civil\DWG_Current_Plan_Set\A20190 - C0.1 - COVER.dwg, 5/28/2025 4:41:04 PM, Erik MacArthur, CPH FULLSIZE.ctb

GENERAL PROVISIONS

1. THE CONTRACTOR SHALL OBTAIN FROM THE OWNER COPIES OF ALL AVAILABLE REGULATORY AGENCY PERMITS AND LOCAL AGENCY PERMITS.

2. CONTRACTOR, AS PART OF THE BASE BID, SHALL FIELD LOCATE ALL UNDERGROUND UTILITIES WITHIN THE PROJECT AREA WITHIN THE 30 DAYS OF PROJECT AWARD. CONTRACTOR SHALL REVIEW THE PLANS AND SHALL NOTE ANY DISCREPENCIES TO THE ENGINEER IMMEDIATELY.

3. CONTRACTORS, AS PART OF THE BASE BID, SHALL PROVIDE ALL COORDINATION WITH UTILITY PROVIDERS TO PROVIDE FOR THE MATERIALS AND WORK NEEDED TO PROVIDE SERVICES TO THE PROJECT.

4. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE FOR ALL DEMOLITION OF ABOVE GROUND AND UNDERGROUND IMPROVEMENTS IN ORDER TO CONSTRUCT THE PROPOSED IMPROVEMENTS NOTED ON THE PLANS. UNLESS APPROVED IN WRITING FROM THE OWNER, ALL MATERIALS SHALL BE REMOVED FROM THE SITE AS PART OF THE BASE BID.

5. ALL DETAILS AND REFERENCES TO FDOT REFER TO THE LATEST EDITION OF THE FDOT STANDARD PLANS.

6. CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS AND SPECIFICATIONS FOR ACTUAL LOCATION OF ALL UTILITY ENTRANCES TO INCLUDE SANITARY SEWER LATERALS, DOMESTIC AND FIRE PROTECTION WATER SERVICE, ELECTRICAL, TELEPHONE AND GAS SERVICE. CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES, IN SUCH A MANNER AS TO AVOID CONFLICT AND ASSURE PROPER DEPTHS ARE ACHIEVED AS WELL AS COORDINATING WITH UTILITY REQUIREMENTS AS TO LOCATION AND SCHEDULING FOR TIE-INS/ CONNECTIONS PRIOR TO CONNECTING TO EXISTING UTILITIES.

7. CONTRACTOR AND HIS SURVEYOR SHALL NOTE THE PROJECT BENCHMARK INFORMATION PROVIDED IN THE PLANS AND VERIFY PRIOR TO CONSTRUCTION.

8. ALL CONSTRUCTION PROJECTS 1 OR MORE ACRES IN SIZE THAT DISCHARGE TO OFFSITE AREAS ARE REQUIRED TO COMPLY WITH THE REQUIREMENTS OF THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) GENERAL PERMIT FOR STORMWATER DISCHARGE FROM SMALL AND LARGE CONSTRUCTION ACTIVITIES. IN ORDER TO MEET NPDES REQUIREMENTS, THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING, INSPECTING, MAINTAINING, AND REPORTING ON ALL ELEMENTS OF THE SWPPP, COMPLETING AND SUBMITTING THE REQUIRED NOTICE OF INTENT (NOI) AND NOTICE OF TERMINATION (NOT) FORMS AS THE OPERATOR, AND PAYING ALL ASSOCIATED FEES. FOR PROJECTS LESS THAN 1 ACRE IN SIZE THAT ARE NOT REQUIRED TO COMPLY WITH THE NPDES GENERAL PERMIT, THE CONTRACTOR IS STILL RESPONSIBLE FOR IMPLEMENTING AND MAINTAINING EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO AND DURING CONSTRUCTION IN ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS.

9. UNLESS OTHERWISE NOTED ON THE PLANS, THE CONTRACTOR SHALL USE THE GEOMETRY PROVIDED ON THE CONSTRUCTION PLANS. BENCHMARK INFORMATION SHALL BE PROVIDED TO THE CONTRACTOR BY THE OWNER OR OWNER'S SURVEYOR. ANY DISCREPANCIES BETWEEN FIELD MEASUREMENTS AND CONSTRUCTION PLAN INFORMATION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.

10. BASE SURVEY INFORMATION INCLUDING BUT NOT LIMITED TO ELEVATIONS, EASEMENTS, RIGHTS OF WAY, AND OTHER TOPOGRAPHIC INFORMATION HAS BEEN PREPARED BY OTHER PROFESSIONALS. CPH, INC. ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THIS INFORMATION.

11. THIS SET OF PLANS MAY CONTAIN DRAWINGS PREPARED BY OTHER PROFESSIONALS, WHICH CONTAIN THE NAME, ADDRESS, AND LOGO OF THE PROFESSIONAL. CPH, INC. IS NOT RESPONSIBLE FOR DRAWINGS PREPARED BY OTHER PROFESSIONALS.

12. THE CONTRACTOR SHALL SUBMIT ONE ELECTRONIC COPY OF SHOP DRAWINGS TO THE ENGINEER TO KEEP FOR HIS RECORDS. THE ENGINEER WILL NOT PROVIDE FOR APPROVAL OF SHOP DRAWINGS, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL MATERIALS FOR ACCURACY PRIOR TO ORDERING THE MATERIALS. ANY DESCREPENCIES IDENTFIED BY THE CONTRACTOR SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.

13. PROTECT BENCHMARKS, PROPERTY CORNERS, AND OTHER SURVEY MONUMENTS FROM DAMAGE OR DISPLACEMENT. IF MARKER NEEDS TO BE REMOVED IT SHALL BE REFERENCED BY LICENSED LAND SURVEYOR AND REPLACED, AS NECESSARY, BY SAME.

14. THE CONTRACTOR IS RESPONSIBLE FOR ALL QUALITY CONTROL TESTING. AS A MINIMUM, TESTING SHALL INCLUDE A) PIPING AND STRUCTURAL EXCAVATION, BEDDING AND BACKFILL MATERIALS AND DENSITY TESTS; B) DETERMINATION OF COMPACTIVE EFFORT NEEDED FOR COMPLIANCE WITH THE DENSITY REQUIREMENTS; C) PORTLAND CEMENT CONCRETE AND ASPHALT PAVING QUALITY CONTROL TESTING INCLUDING DESIGN MIX REVIEW, MATERIALS, FIELD SLUMP AND AIR CONTENT, AND FIELD AND LAB CURED STRENGTH SAMPLES AND TESTING.

15. IN ADDITION TO QUALITY CONTROL TESTING, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REQUIRED TESTING OR APPROVALS FOR ANY WORK (OR ANY PART THEREOF) IF LAWS OR REGULATIONS OF ANY PUBLIC BODY HAVING JURISDICTION SPECIFICALLY REQUIRE TESTING, INSPECTIONS OR APPROVAL. THE CONTRACTOR SHALL PAY ALL COSTS IN CONNECTION THEREWITH AND SHALL FURNISH THE OWNER AND ENGINEER THE REQUIRED CERTIFICATES OF INSPECTION, TESTING OR APPROVAL.

16. ANY DESIGN OR TESTING LABORATORY UTILIZED BY THE CONTRACTOR SHALL BE AN INDEPENDENT LABORATORY ACCEPTABLE TO THE OWNER AND THE ENGINEER, APPROVED IN WRITING, AND COMPLYING WITH THE LATEST EDITION OF THE "RECOMMENDED REQUIREMENTS FOR INDEPENDENT LABORATORY QUALIFICATION", PUBLISHED BY THE AMERICAN COUNCIL OF INDEPENDENT LABORATORIES.

17. TESTING RESULTS SHALL BE PROVIDED TO THE OWNER/OPERATOR AND THE ENGINEER. ALL TEST RESULTS SHALL BE PROVIDED (PASSING AND FAILING) ON A REGULAR AND IMMEDIATE BASIS.

18. THE ENTIRE PROJECT SITE SHALL BE THOROUGHLY CLEANED AT THE COMPLETION OF THE WORK. CLEAN ALL INSTALLED PIPELINES, STRUCTURES, SIDEWALKS, PAVED AREAS, ACCUMULATED SILT IN PONDS, PLUS ALL ADJACENT AREAS AFFECTED BY CONSTRUCTION, AS DIRECTED BY THE OWNER OR JURISDICTIONAL AGENCY. EQUIPMENT TO CLEAN THESE SURFACES SHALL BE SUBJECT TO APPROVAL BY THE OWNER.

19. ALL DISTRUBED AREAS WITHIN RIGHT OF WAYS SHALL BE SODDED.

20. CONTRACTOR SHALL COMPLY TO THE FULLEST EXTENT WITH THE LATEST STANDARDS OF OSHA DIRECTIVES OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURES. THE CONTRACTOR SHALL USE SUPPORT SYSTEMS, SLOPING, BENCHING AND OTHER MEANS OF PROTECTION. THIS TO INCLUDE BUT NOT BE LIMITED, FOR ACCESS AND EGRESS FROM ALL EXCAVATION AND TRENCHING. CONTRACTOR IS RESPONSIBLE TO COMPLY WITH PERFORMANCE CRITERIA FOR OSHA.

21. THE CONTRACTOR SHALL RECOGNIZE AND ABIDE BY ALL OSHA EXCAVATION SAFETY STANDARDS, INCLUDING THE FLORIDA TRENCH SAFETY ACT (90-96, LAWS OF FLORIDA). ANY MATERIAL, CONSTRUCTION METHODS, OR MATERIAL COST TO COMPLY WITH THESE LAWS SHALL BE INCIDENTAL TO THE CONTRACT.

22. CONTRACTOR MUST STOP OPERATION AND NOTIFY THE OWNER FOR PROPER DIRECTION IF ANY ENVIRONMENTAL OR HEALTH RELATED CONTAMINATE IS ENCOUNTERED DURING EXCAVATION.

UTILITY GENERAL NOTES

1. THE UTILITY DATA SHOWN ON THESE PLANS WAS LOCATED BY THE RESPECTIVE UTILITY, OR IS BASED ON UTILITY DRAWINGS, MAPS, OR FIELD RECONNAISSANCE.

2. THE LOCATION, MATERIAL TYPE, AND SIZE OF ALL EXISTING UTILITIES SHOWN ON THE PLANS HAVE BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY. PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITY, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE VARIOUS UTILITIES AND TO MAKE THE NECESSARY ARRANGEMENTS FOR ANY RELOCATIONS OF THESE UTILITIES WITH THE OWNER OF THE UTILITY. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN CROSSING AN UNDERGROUND UTILITY, WHETHER SHOWN ON THE PLANS OR LOCATED BY THE UTILITY COMPANY. ANY UTILITIES, WHETHER SHOWN ON THESE PLANS OR NOT, THAT INTERFERE WITH THE PROPOSED CONSTRUCTION SHALL BE CLOSELY COORDINATED WITH THE ENGINEER AND THE RESPECTIVE UTILITY COMPANY FOR RELOCATION OR PROPER INSTRUCTION.

3. A SINGLE POINT UTILITY IDENTIFICATION SERVICE HAS BEEN SET UP FOR EXISTING UTILITIES. THE CONTRACTOR IS TO CONTACT THE SUNSHINE STATE ONE CALL CENTER BY DIALING "811" AT LEAST TWO (2) AND NO MORE THAN FIVE (5) WORKING DAYS PRIOR TO THE SPECIFIC CONSTRUCTION ACTIVITY FOR FIELD LOCATION. NOTE THAT NOT ALL UTILITIES PARTICIPATE IN THIS PROGRAM. THE CONTRACTOR SHOULD CONTACT ALL NON-PARTICIPATING UTILITIES SEPARATELY FOR FIELD LOCATION OF THEIR FACILITIES AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.

4. THE UTILITY PROVIDERS NOTED ON THE COVER SHEET HAVE PREVIOUSLY INDICATED THAT THEY MAY HAVE FACILITIES IN THE VICINITY OF THE CONSTRUCTION AREA.

5. THE CONTRACTOR SHALL KEEP LOCATE TICKETS UP TO DATE AT ALL TIMES.

6. THE CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION WITH EACH UTILITY AND ALL COSTS ASSOCIATED WITH THE PROTECTION OF EXISTING FACILITIES DURING CONSTRUCTION. THE CONTRACTOR SHALL ALSO COORDINATE NECESSARY RELOCATIONS OR OTHER CONSTRUCTION RELATED MATTERS WITH EACH UTILITY.

7. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN IN SERVICE ALL EXISTING PIPING ENCOUNTERED DURING CONSTRUCTION UNLESS OTHERWISE INDICATED IN THE DRAWINGS. ANY PIPING WHICH CAN BE REMOVED DURING CONSTRUCTION WITHOUT UNDUE INTERRUPTION OF SERVICE MAY BE REMOVED AND REPLACED BY THE CONTRACTOR WITH THE PERMISSION OF THE OWNER AND THE ENGINEER.

8. TYPICAL DETAILS AND PROPOSED CONSTRUCTION AS SHOWN ILLUSTRATE THE ENGINEER'S INTENT AND ARE NOT PRESENTED AS A SOLUTION TO ALL CONSTRUCTION PROBLEMS ENCOUNTERED IN THE FIELD. THE CONTRACTOR MAY ALTER THE PROPOSED CONSTRUCTION TO SUIT FIELD CONDITIONS, PROVIDED IT COMPLIES WITH THE PROJECT SPECIFICATIONS AND APPROVAL IS RECEIVED FROM THE ENGINEER. WHERE SUCH PROPOSED REVISIONS DEVIATE FROM THE FDEP CONSTRUCTION PERMIT, THEN SUCH REVISIONS WILL ALSO REQUIRE APPROVAL FROM FDEP.

9. FOR EACH RESPECTIVE PIPELINE CONSTRUCTION REQUIRED, THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION, DEPTH, SIZE, MATERIAL TYPE, AND ALIGNMENT OF ALL EXISTING PIPES, CABLES, ETC. TO BE CROSSED OR CONNECTED TO. IF THE CONTRACTOR DEEMS NECESSARY (A) A CHANGE IN ALIGNMENT OR DEPTH, OR THE NEED FOR ADDITIONAL FITTINGS, BENDS, OR COUPLINGS, WHICH REPRESENT A DEPARTURE FROM THE CONTRACT DRAWING, OR (B) A NEED FOR RELOCATION OF EXISTING UTILITIES, THEN DETAILS OF SUCH DEPARTURES, RELOCATIONS, OR ADDITIONAL FITTINGS, INCLUDING CHANGES IN RELATED PORTIONS OF THE PROJECT AND THE REASONS THEREFORE, SHALL BE SUBMITTED WITH SHOP DRAWINGS. APPROVED DEPARTURES FOR THE CONTRACTOR'S CONVENIENCE SHALL BE MADE AT NO ADDITIONAL COST TO THE OWNER.

10. THE CONTRACTOR SHALL PROVIDE AT HIS OWN EXPENSE ALL NECESSARY TEST PUMPING EQUIPMENT, WATER, WATER METERS, PRESSURE GAUGES, AND OTHER EQUIPMENT, MATERIAL AND FACILITIES REQUIRED FOR ALL HYDROSTATIC, LEAKAGE, AND PRESSURE TESTING. THE CONTRACTOR SHALL CONTACT THE ENGINEER AND THE OWNER IN WRITTEN FORM, FORTY-EIGHT (48) HOURS IN ADVANCE OF PROPOSED TESTING. THE CONTRACTOR SHALL PERFORM SATISFACTORY PRETESTING PRIOR TO NOTIFICATION.

AS-BUILT DRAWING REQUIREMENTS

1. AS-BUILT DRAWINGS SHALL BE PROVIDED BY THE CONTRACTOR TO THE ENGINEER AT LEAST THREE WEEKS PRIOR TO FINAL INSPECTION. ALL AS-BUILT DATA SHALL BE PROVIDED BY A FLORIDA LICENSED SURVEYOR, SIGNED, SEALED AND DATED BY THE RESPONSIBLE PARTY. THE CONTRACTOR SHALL BE RESPONSIBLE TO IDENTIFY ALL AS-BUILT SURVEY REQUIREMENTS BY THE GOVERNING AGENCIES PRIOR TO START OF CONSTRUCTION TO ENSURE THAT AS-BUILT INFORMATION IS PROVIDED FOR.

2. ALL RECORD DRAWINGS SHALL BE PREPARED BY THE CONTRACTOR IN ACAD FORMAT USING CONSTRUCTION PLAN SHEETS PROVIDED BY THE ENGINEER. AS-BUILT INFORMATION SHALL BE FIELD VERIFIED, MEASURED, ADDED TO THE ACAD FILES OF THE CONSTRUCTION PLAN SHEETS PROVIDED BY THE ENGINEER, AND CERTIFIED, SIGNED AND SEALED BY THE CONTRACTOR'S LICENSED SURVEYOR WHO WILL BE RESPONSIBLE FOR THE ACCURACY OF ALL DIMENSIONS AND ELEVATIONS.

3. THE AS-BUILT INFORMATION IS TO INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING:

   A. HORIZONTAL LOCATIONS AND VERTICAL ELEVATIONS FOR ALL UTILITY AND STORM STRUCTURES INCLUDING BUT NOT LIMITED TO MANHOLES, INLETS AND CLEANOUTS, INCLUDING STRUCTURE TOP AND INVERT ELEVATIONS.

   B. DISTANCE ALONG PIPELINES BETWEEN STRUCTURES.

   C. STORMWATER POND TOP OF BERM AND POND BOTTOM ELEVATIONS AND HORIZONTAL DIMENSIONS MEASURED AT A MINIMUM OF TEN LOCATIONS PER POND, AT LOCATIONS DESIGNATED BY THE ENGINEER. TOP OF POND HORIZONTAL DIMENSIONS ARE ALSO TO BE TIED TO PROPERTY CORNERS, EASEMENTS, AND RIGHTS-OF-WAY.

   D. STORMWATER CONTROL STRUCTURE DIMENSIONS AND ELEVATIONS, INCLUDING ALL WEIRS, SLOTS, ORIFICES, GRATES, AND SKIMMERS.

   E. STORMWATER CONVEYANCE SYSTEMS INCLUDING DIMENSIONS, ELEVATIONS, CONTOURS, AND CROSS SECTIONS.

   F. HORIZONTAL LOCATIONS AND VERTICAL ELEVATIONS OF ALL UTILITY VALVES, FITTINGS, CONNECTION POINTS, ETC.

   G. VERTICAL ELEVATIONS OF ALL PIPELINES AT CROSSINGS OF POTABLE WATER MAINS (WHETHER THE WATER MAIN IS EXISTING OR NEW) IN ORDER TO DOCUMENT THAT THE MINIMUM REQUIRED VERTICAL SEPARATION HAS BEEN MET.

   H. UTILITY PIPELINE TIED HORIZONTALLY TO EDGE OF PAVEMENT AND RIGHT-OF-WAY LINES, LOCATED EVERY 200-FT PLUS ALL CHANGES IN HORIZONTAL OFFSET.

   I. PAVEMENT WIDTH AND ELEVATIONS AT THE CENTERLINE AND EDGE OF PAVEMENT EVERY 200 FEET PLUS AT ALL CHANGES IN LONGITUDINAL SLOPE, CROSS SLOPE, INLET LOCATIONS, AND AT ALL DRIVEWAY AND STREET INTERSECTIONS. FOR PARKING LOTS, RECORD CENTERLINE AND EDGE OF PAVEMENT ELEVATIONS ALONG ALL DRIVE AISLES AND ISLANDS.

   J. ALL PARKING AREAS AND SIDEWALK RAMPS DESIGNATED FOR HANDICAP ACCESS SHALL CONTAIN HORIZONTAL AND VERTICAL MEASUREMENTS IN ORDER TO VERIFY REQUIRED WIDTHS AND SLOPES HAVE BEEN MET.

   K. HORIZONTAL AND VERTICAL DATA FOR ANY CONSTRUCTION THAT DEVIATES FROM THE APPROVED ENGINEERING DRAWINGS.

   L. WHERE THE PLANS CONTAIN SPECIFIC HORIZONTAL LOCATION DATA, SUCH AS STATION AND OFFSET, THE AS-BUILT DRAWINGS ARE TO REFLECT THE ACTUAL HORIZONTAL LOCATION.

   M. WHERE THE PLANS CONTAIN SPECIFIC VERTICAL ELEVATION DATA, THE AS-BUILT DRAWINGS ARE TO REFLECT THE ACTUAL MEASURED VERTICAL ELEVATION.

   N. ANY ADDITIONAL INFORMATION REQUIRED BY GOVERNING AGENCIES.

4. IN CASES WHERE THE OWNER DETERMINES PARTIAL CLEARANCES FROM PERMITTING AGENCIES ARE BENEFICIAL TO THE OWNER FOR COMPLETED PORTIONS OF THE PROJECT, PROVIDE PRELIMINARY AS-BUILT DRAWINGS (ACAD FORMAT) TO THE ENGINEER FOR ITS USE IN PREPARING THE PARTIAL CLEARANCE APPLICATIONS FOR THE OWNER.

5. COMPLETE AS-BUILT DRAWINGS THAT ARE FOUND TO BE SATISFACTORY AS A RESULT OF THE ENGINEER'S REVIEW WILL BE USED AS THE BASIS FOR THE FINAL PROJECT RECORD DRAWINGS PREPARED BY THE ENGINEER USING THE CONTRACTOR PROVIDED AS-BUILT DRAWINGS PLUS ENGINEER ADDED INFORMATION.

TRAFFIC CONTROL

1. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING A MAINTENANCE OF TRAFFIC (M.O.T.) PLAN PRIOR TO CONSTRUCTION. THE M.O.T. PLAN SHALL SHOW ALL PROPOSED TRAFFIC CONTROL SIGNS, PAVEMENT MARKINGS, AND BARRICADES, AND SHALL DETAIL ALL PROPOSED CONSTRUCTION SEQUENCING. THE M.O.T. PLAN AND INSTALLED TRAFFIC CONTROL MEASURES SHALL BE APPROVED BY THE ENGINEER, OWNER, AND ROADWAY JURISDICTIONAL AGENCY PRIOR TO CONSTRUCTION. IN GENERAL, ROADWAY AND DRIVEWAY LANE CLOSURES ARE PROHIBITED DURING CONSTRUCTION UNLESS SPECIFICALLY DETAILED ON THESE PLANS. IN THE EVENT IT IS DETERMINED THAT ROADWAY AND DRIVEWAY LANE CLOSURES WILL BE ALLOWED, THE CLOSURES SHALL BE RESTRICTED TO THE HOURS BETWEEN 9:00 A.M. AND 4:00 P.M. UNLESS OTHERWISE AUTHORIZED IN THE APPROVED M.O.T.

2. ALL TRAFFIC CONTROL MEASURES SHALL BE IN ACCORDANCE WITH FDOT STANDARD PLANS INDEX 102-600 AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). ALL TRAFFIC CONTROL MEASURES SHALL BE INSTALLED PRIOR TO CONSTRUCTION AND MAINTAINED DURING CONSTRUCTION.

3. INSPECT TRAFFIC CONTROL DEVICES ON A DAILY BASIS TO ENSURE PLACEMENT OF BARRICADES AND FUNCTION OF LIGHTS IS MAINTAINED THROUGHOUT CONSTRUCTION.

4. CONTACT PROPERTY OWNERS AFFECTED BY CONSTRUCTION. COORDINATE TEMPORARY DRIVEWAY CLOSURES AND SEQUENCING. MAINTAIN ACCESS FOR ALL PROPERTY OWNERS DURING CONSTRUCTION.

5. WET UNSTABILIZED AREAS AS NECESSARY TO CONTROL DUST.

6. ADJUST TRAFFIC CONTROL DEVICES AS REQUIRED UNDER EMERGENCY CONDITIONS.

7. THE CONTRACTOR IS EXPECTED TO COORDINATE ITS ACTIVITIES WITH OTHER CONTRACTORS WHO MAY BE WORKING IN THE IMMEDIATE VICINITY.

8. WHEN WORK OCCURS WITHIN 15-FT OF ACTIVE ROAD TRAVEL LANES BUT NO CLOSER THAN 2-FT FROM THE EDGE OF PAVEMENT, SIGNAGE AND WARNING DEVICES ARE TO BE INSTALLED IN ACCORDANCE WITH FDOT STANDARD PLANS INDEX 102-600 AND 102-602.

9. TYPE I OR TYPE II BARRICADES AT 20-FT CENTERS SHALL BE PLACED AND MAINTAINED ALONG THE EDGE OF THE ROAD WHEREVER DROP-OFFS OR OTHER HAZARDS EXIST AND TO BLOCK ENTRANCE INTO COMPLETED OR PARTIALLY COMPLETED PAVEMENTS UNTIL SUCH PAVEMENTS ARE OPEN TO PUBLIC USE.

SITE PREPARATION

1. UNLESS OTHERWISE DIRECTED BY THE OWNER OR ENGINEER, THE CONTRACTOR IS EXPECTED TO CONTAIN ALL CONSTRUCTION ACTIVITIES WITHIN THE PROPERTY, RIGHT-OF-WAY, AND EASEMENTS AS INDICATED ON THE DRAWINGS. AT NO TIME SHALL THE CONTRACTOR DISTURB SURROUNDING PROPERTIES OR TRAVEL ON SURROUNDING PROPERTIES WITHOUT WRITTEN CONSENT FROM THE PROPERTY OWNER. ANY REPAIR OR RECONSTRUCTION OF DAMAGED AREAS IN SURROUNDING PROPERTIES SHALL BE REPAIRED BY THE CONTRACTOR ON AN IMMEDIATE BASIS. ALL COSTS FOR REPAIRS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND NO EXTRA COMPENSATION SHALL BE PROVIDED.

2. STAKE OUT THE CONSTRUCTION, ESTABLISH LINES AND LEVELS, TEMPORARY BENCH MARKS, BATTER BOARDS, CENTERLINES, BASELINES, AND REFERENCE POINTS FOR THE WORK, AND VERIFY ALL DIMENSIONS RELATING TO INTERCONNECTION WITH EXISTING FEATURES. REPORT ANY INCONSISTENCIES IN THE PROPOSED GRADES, LINES AND LEVELS, DIMENSIONS AND LOCATIONS TO THE ENGINEER BEFORE COMMENCING WORK.

3. PROTECT ALL TREES AND SHRUBS LOCATED OUTSIDE THE RIGHT-OF-WAY, EASEMENTS, AND OWNER SECURED PROPERTY, PARTICULARLY THOSE TREES AND SHRUBS LOCATED ADJACENT TO WORK AREAS.

4. WITHIN THE RIGHT-OF-WAY, EASEMENTS, AND OWNER SECURED PROPERTY, THE INTENT IS TO ALLOW TREES AND SHRUBS TO REMAIN IN ACCORDANCE WITH THE FOLLOWING SCHEDULE: NEW ROADWAY CONSTRUCTION - TREES AND SHRUBS TO REMAIN WHERE LOCATED MORE THAN 15 FEET FROM THE BACK OF CURB, OR OUTSIDE THE LIMITS OF EXCAVATION OR FILL AREAS, WHICHEVER IS FURTHER. UTILITY PIPELINE CONSTRUCTION - TREES AND SHRUBS TO REMAIN OUTSIDE A 15 FOOT WIDE PATH, CENTERED ON THE PIPELINE.

5. TREES TO REMAIN IN THE CONSTRUCTION AREA SHALL BE BOXED, FENCED OR OTHERWISE PROTECTED IN ACCORDANCE WITH DETAILS ON THE DRAWINGS. DO NOT PERMIT HEAVY EQUIPMENT OR STOCKPILES WITHIN BRANCH SPREAD

6. AREAS TO RECEIVE CLEARING AND GRUBBING SHALL INCLUDE ALL AREAS TO BE OCCUPIED BY THE PROPOSED IMPROVEMENTS, AREAS FOR FILL AND SITE GRADING, AND BORROW SITES. REMOVE TREES OUTSIDE OF THESE AREAS ONLY AS INDICATED ON THE DRAWINGS OR AS APPROVED IN WRITING BY THE ENGINEER.

7. CLEARING SHALL CONSIST OF REMOVING TREES AND BRUSH AND DISPOSAL OF OTHER MATERIALS THAT ENCROACH UPON OR OTHERWISE OBSTRUCT THE WORK.

8. EXERCISE EXTREME CARE DURING THE CLEARING AND GRUBBING OPERATIONS. DO NOT DAMAGE EXISTING STRUCTURES, PIPES OR UTILITIES.

9. GRUBBING SHALL CONSIST OF REMOVING AND DISPOSING OF STUMPS, ROOTS LARGER THAN 2" IN DIAMETER, AND MATTED ROOTS. REMOVE TO A DEPTH OF NOT LESS THAN 18" BELOW THE ORIGINAL SURFACE LEVEL OF THE GROUND.

10. ALL COMBUSTIBLE DEBRIS AND REFUSE FROM SITE PREPARATION OPERATIONS SHALL BE REMOVED TO LEGAL OFFSITE DISPOSAL AREAS.

DEWATERING

1. DESIGN AND PROVIDE A DEWATERING SYSTEM USING ACCEPTED AND PROFESSIONAL METHODS CONSISTENT WITH CURRENT INDUSTRY PRACTICE. PROVIDE A DEWATERING SYSTEM OF SUFFICIENT SIZE AND CAPACITY TO CONTROL GROUNDWATER IN A MANNER THAT PRESERVES STRENGTH OF FOUNDATION SOILS, DOES NOT CAUSE INSTABILITY OR RAVELING OF EXCAVATION SLOPES, AND DOES NOT RESULT IN DAMAGE TO EXISTING STRUCTURES. WHERE NECESSARY TO THESE PURPOSES, LOWER WATER LEVEL IN ADVANCE OF EXCAVATION, UTILIZING WELLS, WELLPOINTS, OR SIMILAR POSITIVE METHODS. MAINTAIN THE GROUNDWATER LEVEL TO A MINIMUM OF 2 FEET BELOW EXCAVATIONS. PROVIDE PIEZOMETERS IF DIRECTED BY THE ENGINEER TO DOCUMENT THE GROUNDWATER LEVEL IS BEING MAINTAINED.

2. CONTROL, BY ACCEPTABLE MEANS, ALL WATER REGARDLESS OF SOURCE AND BE FULLY RESPONSIBLE FOR DISPOSAL OF THE WATER. NO ADDITIONAL PAYMENT WILL BE MADE FOR ANY SUPPLEMENTAL MEASURES TO CONTROL SEEPAGE, GROUNDWATER, OR ARTESIAN HEAD.

3. DEWATERING DISCHARGE FROM THE SITE SHALL COMPLY WITH ALL NPDES GENERAL PERMIT REQUIREMENTS, WATER MANAGEMENT DISTRICT AND STATE WATER QUALITY STANDARDS. PROVIDE ALL TESTING AND PERMITTING REQUIRED AND COMPLY WITH ALL TREATMENT OR DISPOSAL METHODS REQUIRED TO MEET ALL LOCAL, STATE AND FEDERAL REQUIREMENTS.

4. OPEN PUMPING WITH SUMPS AND DITCHES SHALL BE ALLOWED, PROVIDED IT DOES NOT RESULT IN BOILS, LOSS OF FINES, SOFTENING OF THE GROUND, OR INSTABILITY OF SLOPES. SUMPS SHALL BE LOCATED OUTSIDE OF LOAD BEARING AREAS SO THE BEARING SURFACES WILL NOT BE DISTURBED. WATER CONTAINING SILT IN SUSPENSION SHALL NOT BE PUMPED INTO SEWER LINES OR ADJACENT STREAMS. DURING NORMAL PUMPING, AND UPON DEVELOPMENT OF WELL(S), LEVELS OF FINE SAND OR SILT IN THE DISCHARGE WATER SHALL NOT EXCEED 5 PPM.

5. IF DEWATERING EQUIPMENT NEEDED EXCEEDS ANY OF THE FOLLOWING: 1) 6" PUMP VOLUTE; 2) 100,000 GPD TOTAL 24 HOUR (1 DAY) DEWATERING, AND; 3) 1,000,000 GPD PUMP CAPACITY, THE CONTRACTOR SHALL BE REQUIRED TO PERMIT THE DEWATERING SYSTEM WITH THE WATER MANAGEMENT DISTRICT.

6. CONTINUOUSLY MAINTAIN EXCAVATIONS IN A DRY CONDITION WITH POSITIVE DEWATERING METHODS DURING PREPARATION OF SUBGRADE, INSTALLATION OF PIPE, AND CONSTRUCTION OF STRUCTURES UNTIL THE CRITICAL PERIOD OF CONSTRUCTION AND/OR BACKFILL IS COMPLETED TO PREVENT DAMAGE OF SUBGRADE SUPPORT, PIPING, STRUCTURE, SIDE SLOPES, OR ADJACENT FACILITIES FROM FLOTATION OR OTHER HYDROSTATIC PRESSURE IMBALANCE.

7. WHEN CONSTRUCTION IS COMPLETE, REMOVE ALL DEWATERING EQUIPMENT FROM THE SITE, INCLUDING WELLS AND RELATED TEMPORARY ELECTRICAL SERVICE.

GRADING

1. SMOOTH TRANSITIONS SHALL BE PROVIDED BETWEEN CONTOURS OR SPOT ELEVATIONS AS SHOWN ON THE PLANS TO ACCOMPLISH THE GRADING INTENT. ALL SLOPES SHALL BE STABILIZED IMMEDIATELY AFTER FINAL GRADING HAS BEEN COMPLETED. CONTRACTOR SHALL NOTIFY OWNER AND ENGINEER PRIOR TO DEMOBILIZATION OF GRADING EQUIPMENT TO DETERMINE THAT THE GRADING INTENT HAS BEEN ACHIEVED.

2. ALL PROPOSED ELEVATIONS ON THE PLANS WITHIN PAVED AREAS ARE SHOWN AT PAVEMENT, UNLESS OTHERWISE NOTED.

3. ALL PAVING SURFACES IN INTERSECTIONS AND ADJACENT SECTIONS SHALL BE GRADED TO DRAIN POSITIVELY AND TO PROVIDE A SMOOTHLY TRANSITIONED DRIVING SURFACE FOR VEHICLES WITH NO SHARP BREAKS IN GRADE, AND NO UNUSUALLY STEEP OR REVERSE CROSS SLOPES. THE STANDARD CROWN MAY HAVE TO BE CHANGED IN ORDER TO DRAIN POSITIVELY IN THE AREA OF INTERSECTIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCOMPLISH THE ABOVE AND THE ENGINEER SHALL BE CONSULTED SO THAT HE MAY MAKE ANY AND ALL REQUIRED INTERPRETATIONS OF THE PLANS OR GIVE SUPPLEMENTARY INSTRUCTIONS TO ACCOMPLISH THE INTENT OF THE PLANS.

4. UNIFORMLY SMOOTH GRADE THE SITE. DEPRESSIONS FROM SETTLEMENT SHALL BE FILLED AND COMPACTED. TOPS OF EMBANKMENTS AND BREAKS IN GRADE SHALL BE ROUNDED. FINISHED SURFACES SHALL BE REASONABLY SMOOTH, COMPACTED, FREE FROM IRREGULAR SURFACE CHANGES AND COMPARABLE TO THE SMOOTHNESS OBTAINED BY BLADE-GRADER OPERATIONS.

5. NEWLY GRADED AREAS SHALL BE PROTECTED FROM TRAFFIC AND EROSION. ALL SETTLEMENT OR WASHING AWAY THAT MAY OCCUR FROM ANY CAUSE PRIOR TO SEEDING OR ACCEPTANCE SHALL BE REPAIRED AND GRADES RE-ESTABLISHED TO THE REQUIRED ELEVATIONS AND SLOPES AT NO ADDITIONAL COST TO THE OWNER.

EXCAVATION, TRENCHING, AND FILL

1. THE CONTRACTOR SHALL RECOGNIZE AND ABIDE BY ALL OSHA EXCAVATION SAFETY STANDARDS, INCLUDING THE FLORIDA TRENCH SAFETY ACT (FS 553.60-553.64). ANY MATERIAL, CONSTRUCTION METHODS, OR MATERIAL COST TO COMPLY WITH THESE LAWS SHALL BE INCIDENTAL TO THE CONTRACT.

2. ROUGH EXCAVATE AND GRADE ANY PROPOSED STORMWATER PONDS AT THE START OF SITE GRADING ACTIVITIES. DIRECT SITE RUNOFF TO THE PONDS TO MINIMIZE RUNOFF TO OFFSITE AREAS.

3. POND CONSTRUCTION SHALL RESULT IN THE FINISHED POND HAVING SIDE SLOPES AND DIMENSIONS THAT ARE IN ACCORDANCE WITH THE CONSTRUCTION DRAWINGS. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO ENSURE THAT THESE REQUIREMENTS HAVE BEEN MET. IF THE CONSTRUCTED SIDE SLOPES ARE STEEPER THAN THE REQUIRED SIDE SLOPES, OR THE POND VOLUME IS NOT WITHIN THREE (3) PERCENT OF THE DESIGN VOLUME, THE CONTRACTOR SHALL BE REQUIRED TO MAKE CORRECTIONS TO THE POND AT NO ADDITIONAL COST TO THE OWNER.

4. FIELD DENSITY TESTING FREQUENCIES: A) ONE TEST FOR EACH 10,000 SQUARE FEET OR FRACTION THEREOF PER LIFT OF GENERAL BACKFILLING, MINIMUM 2 TESTS EACH LAYER; B) ONE TEST FOR EACH 100 SQUARE FEET OR FRACTION THEREOF OF BACKFILL AROUND AND UNDER STRUCTURES; C) ONE TEST FOR EACH 300 LINEAL FEET OR FRACTION THEREOF PER LIFT OF GENERAL BACKFILLING IN THE PIPELINE TRENCH; D) ONE TEST PER LIFT PER EACH CHANGE IN TYPE OF FILL; E) ONE TEST PER 1000 SQUARE FEET OF PAVEMENT SUBGRADE, MINIMUM OF 2 TESTS.

5. IT IS INTENDED THAT PREVIOUSLY EXCAVATED MATERIALS CONFORMING TO THE FOLLOWING REQUIREMENTS BE UTILIZED WHEREVER POSSIBLE.

   A. ACCEPTABLE MATERIALS: AASHTO M145 CLASSIFICATION A-1, A-3, A-2-4, A-2-6; ASTM D2487 CLASSIFICATION GW, GP, GM, SM, SW, SP; UNLESS OTHERWISE DISAPPROVED WITHIN THE SOIL AND SUBSURFACE INVESTIGATION REPORTS. NO MORE THAN 12% OF ACCEPTABLE MATERIALS SHALL PASS THE NUMBER 200 SIEVE.

   B. UNACCEPTABLE MATERIALS: AASHTO M145 CLASSIFICATION A-2-5, A-2-7, A-4, A-5, A-6, A-7, A-8; ASTM D2487 CLASSIFICATION GC, SC, ML, MH, CL, CH, OL, OH, PT; UNLESS OTHERWISE APPROVED WITHIN THE SOIL AND SUBSURFACE INVESTIGATION REPORTS.

6. PROVIDE BARRIERS, WARNING LIGHTS AND OTHER PROTECTIVE DEVICES AT ALL EXCAVATIONS.

7. SIDEWALKS, ROADS, STREETS, AND PAVEMENTS SHALL NOT BE BLOCKED OR OBSTRUCTED BY EXCAVATED MATERIALS, EXCEPT AS AUTHORIZED BY THE ENGINEER, IN WHICH CASE ADEQUATE TEMPORARY PROVISIONS MUST BE MADE FOR SATISFACTORY TEMPORARY PASSAGE OF PEDESTRIANS, AND VEHICLES. MINIMIZE INCONVENIENCE TO PUBLIC TRAVEL OR TO TENANTS OCCUPYING ADJOINING PROPERTY.

8. FURNISH, INSTALL, AND MAINTAIN, WITHOUT ADDITIONAL COMPENSATION, SHEETING, BRACING, AND SHORING SUPPORT REQUIRED TO KEEP EXCAVATIONS WITHIN THE PROPERTY OR EASEMENTS PROVIDED, TO SUPPORT THE SIDES OF THE EXCAVATION, AND TO PREVENT ANY MOVEMENT WHICH MAY DAMAGE ADJACENT PAVEMENTS OR STRUCTURES, DAMAGE OR DELAY THE WORK, OR ENDANGER LIFE AND HEALTH. VOIDS OUTSIDE THE SUPPORTS SHALL BE IMMEDIATELY FILLED AND COMPACTED.

9. SHEETING, SHORING, AND BRACING USED FOR THE SUPPORT OF EXCAVATIONS SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER LICENSED BY THE STATE OF FLORIDA.

10. ALL EXCAVATIONS SHALL BE MADE BY OPEN CUT UNLESS OTHERWISE INDICATED. SLOPE SIDES OF TRENCHES IN ACCORDANCE WITH OSHA REQUIREMENTS AND THE RECOMMENDATIONS CONTAINED WITHIN THE PROJECT GEOTECHNICAL REPORT.

11. EXCAVATE TRENCHES TO DEPTH INDICATED OR REQUIRED FOR INDICATED FLOW LINES AND INVERT ELEVATIONS. OVER EXCAVATE TRENCHES A MINIMUM OF 2 FEET WHERE EXCAVATIONS OCCUR WITHIN UNSUITABLE SOILS, AND REPLACE OVER EXCAVATED MATERIAL WITH SUITABLE SOILS.

12. TRENCH BOTTOMS AND THE BOTTOMS OF ALL STRUCTURES SHALL BE KEPT DRY, COMPACTED, AND STABLE TO A DEPTH TWO FEET BELOW THE BOTTOM OF THE TRENCH OR STRUCTURE.

13. ALL BEDDING, FILL, AND BACKFILL MATERIAL SHALL BE SUITABLE SOILS OR FLOWABLE FILL. WHERE TRENCH OR EXCAVATION IS WITHIN THE INFLUENCE AREA OF ROADWAYS, STRUCTURES, FOUNDATIONS, OR SLABS, PLACE BACKFILL IN LAYERS OF 8 INCH LOOSE DEPTH. IN ALL OTHER AREAS, PLACE FILL AND BACKFILL IN LAYERS OF 12 INCH LOOSE DEPTH.

14. MINIMUM DENSITY REQUIREMENT (ASTM D1557 OR AASHTO T180): BACKFILL AND FILL UNDER AND WITHIN THE INFLUENCE AREA OF ROADWAYS, STRUCTURES, SLABS, FOUNDATIONS = 98 PERCENT; BACKFILL AND FILL PLACED WITHIN PUBLIC ROAD RIGHT-OF-WAY AND UTILITY EASEMENTS = 95 PERCENT; BACKFILL AND FILL PLACED WITHIN POND AND ROAD EMBANKMENT = 95 PERCENT; BACKFILL AND FILL PLACED IN ALL OTHER AREAS = 90 PERCENT.

RIPRAP

1. ALL RIPRAP CONSTRUCTION SHALL MEET THE REQUIREMENTS OF SECTION 530 OF THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.

UTILITY SEPARATION REQUIREMENTS

1. THE HORIZONTAL SEPARATION BETWEEN WATER MAINS AND SANITARY SEWER, STORM SEWER, WASTEWATER FORCE MAINS, STORMWATER FORCE MAINS, RECLAIMED WATER MAINS AND ONSITE SEWAGE TREATMENT AND DISPOSAL SYSTEMS SHALL BE IN ACCORDANCE WITH THE FOLLOWING:

   A. THE OUTSIDE OF WATER MAINS SHALL BE A MINIMUM OF THREE FEET FROM THE OUTSIDE OF ANY EXISTING OR PROPOSED STORM SEWER, STORMWATER FORCE MAIN, VACUUM TYPE SANITARY SEWER AND RECLAIMED WATER MAIN.

   B. THE OUTSIDE OF WATER MAINS SHALL BE A MINIMUM OF SIX FEET FROM THE OUTSIDE OF ANY EXISTING OR PROPOSED GRAVITY SANITARY SEWER AND WASTEWATER FORCE MAIN.

2. THE VERTICAL SEPARATION BETWEEN WATER MAINS AND SANITARY AND STORM SEWER, WASTEWATER OR STORMWATER FORCE MAINS, AND RECLAIMED WATER MAINS SHALL BE IN ACCORDANCE WITH THE FOLLOWING:

   A. WHEREVER POSSIBLE, WATER MAINS SHALL CROSS OVER EXISTING OR PROPOSED GRAVITY SANITARY SEWER, VACUUM TYPE SANITARY SEWER, AND STORM SEWER, SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST SIX INCHES ABOVE THE OUTSIDE OF THE SEWER. WHERE IT IS NOT POSSIBLE FOR THE WATER MAIN TO CROSS OVER EXISTING OR PROPOSED GRAVITY SANITARY SEWER, VACUUM TYPE SANITARY SEWER, AND STORM SEWER, THEN THE WATER MAIN CAN CROSS UNDER THESE TYPES OF PIPELINE SYSTEMS PROVIDED THE OUTSIDE OF THE WATER MAIN IS AT LEAST 12 INCHES BELOW THE OUTSIDE OF THE PIPELINE. AT THE CROSSING, THE PROPOSED PIPE JOINTS SHALL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST THREE FEET FROM VACUUM TYPE SANITARY SEWER OR STORM SEWER JOINTS, AND AT LEAST SIX FEET FROM GRAVITY SANITARY SEWER JOINTS.

   B. WHEREVER POSSIBLE, WATER MAINS SHALL CROSS OVER EXISTING OR PROPOSED RECLAIMED WATER MAINS, WASTEWATER FORCE MAINS AND STORMWATER FORCE MAINS. WHETHER THE WATER MAIN CROSSES OVER OR UNDER THESE TYPES OF PIPELINE SYSTEMS, THE OUTSIDE OF THE WATER MAIN SHALL BE AT LEAST 12 INCHES BELOW FROM THE OUTSIDE OF THE EXISTING OR PROPOSED RECLAIMED WATER MAIN, WASTEWATER FORCE MAIN AND STORMWATER FORCE MAIN. AT THE CROSSING, THE PROPOSED PIPE JOINTS SHALL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST THREE FEET FROM RECLAIMED WATER MAIN JOINTS AND STORMWATER FORCE MAIN JOINTS, AND AT LEAST SIX FEET FROM THE JOINTS OF WASTEWATER FORCE MAINS.

3. NO WATER MAIN SHALL PASS THROUGH OR COME IN CONTACT WITH ANY PART OF A SANITARY SEWER MANHOLE.

4. NEW OR RELOCATED FIRE HYDRANTS SHALL BE LOCATED SUCH THAT THE UNDERGROUND DRAIN (WEEP HOLE) IS AT LEAST:

   A. FIVE FEET FROM ANY EXISTING OR PROPOSED STORM SEWER, STORMWATER FORCE MAIN, RECLAIMED WATER MAIN, OR VACUUM TYPE SANITARY SEWER.

   B. TEN FEET FROM ANY EXISTING OR PROPOSED GRAVITY SANITARY SEWER AND WASTEWATER FORCE MAIN.

   C. TEN FEET FROM ANY ONSITE SEWAGE TREATMENT AND DISPOSAL SYSTEM SUCH AS SEPTIC TANKS, DRAINFIELDS, AND GREASE TRAPS. ONSITE SEWAGE TREATMENT AND DISPOSAL SYSTEMS DO NOT INCLUDE PACKAGE SEWAGE TREATMENT FACILITIES AND PUBLIC WASTEWATER TREATMENT FACILITI

WATER AND RECLAIMED WATER DISTRIBUTION SYSTEMS

1. THE ENTITY THAT WILL OPERATE AND MAINTAIN THE WATER AND RECLAIMED WATER SYSTEMS SHOWN ON THESE PLANS IS AUTOZONE STORES, LLC. THE CONTRACTOR SHALL MEET ALL THE REQUIREMENTS OF LAKE CITY UTILITIES.

2. INSTALL ALL WATER AND RECLAIMED MAINS AT A MINIMUM 36 INCHES OF COVER.

3. DUCTILE IRON PIPE AND FITTINGS WITHIN 10 FEET OF GAS MAINS SHALL HAVE AN 8-MIL POLYETHYLENE WRAP IN ACCORDANCE WITH ANSI/AWWA C105/A21.5.

4. PVC PIPE SHALL BE NATIONAL SANITATION FEDERATION (NSF) APPROVED. PIPE SHALL HAVE MARKINGS ON EACH SECTION SHOWING CONFORMANCE TO THE ABOVE SPECIFICATIONS. JOINTS SHALL BE RUBBER GASKETED CONFORMING TO AWWA C900 OR C905 THE BELL SHALL BE INTEGRAL WITH THE PIPE AND OF EQUAL OR GREATER PRESSURE RATING. THE BELL OF PIPE AND FITTINGS USING PUSH-ON JOINTS SHALL HAVE AN INTEGRAL GROOVE TO RETAIN THE GASKET IN PLACE.

5. ALL FITTINGS SHALL BE MANUFACTURED OF DUCTILE IRON, CONFORMING TO ANSI/AWWA C110/A21.10 OR ANSI/AWWA C153/A21.53. ALL FULL BODY (C110/A21.10) FITTINGS SHALL BE PRESSURE RATED TO 250 PSI, MINIMUM. ALL COMPACT FITTINGS (C153/A21.53) SHALL BE PRESSURE RATED TO 350 PSI, MINIMUM.

6. ALL DUCTILE IRON PIPE AND FITTINGS SHALL BE LINED AND COATED. INTERIOR LINING SHALL BE STANDARD THICKNESS CEMENT MORTAR LINING PER ANSI/AWWA C104/A21.4. EXTERIOR COATING FOR BURIED PIPE AND FITTINGS SHALL BE A PETROLEUM ASPHALTIC COATING IN ACCORDANCE WITH ANSI/AWWA C110/A21.10. EXTERIOR COATING OF EXPOSED PIPE AND FITTINGS SHALL BE FACTORY APPLIED RUST INHIBITING EPOXY PRIMER, MINIMUM 3 MILS DRY FILM THICKNESS. AFTER INSTALLATION, EXTERIOR SURFACES SHALL BE PAINTED WITH A TWO COAT SYSTEM. THE FIRST COAT (INTERMEDIATE COAT) SHALL BE 4.0-10.0 MIL DFT TNEMEC COLOR HI-BUILD EPOXOLINE II SERIES N69 OR APPROVED EQUAL, AND THE FINAL COAT SHALL BE 2.0-3.0 MIL DFT TNEMEC ENDURASHIELD SERIES 73 OR APPROVED EQUAL. THE FINAL COAT PAINT COLOR SHALL BE AS SELECTED BY THE LOCAL UTILITY.

7. MECHANICAL AND PUSH ON JOINTS FOR DUCTILE IRON PIPE AND FITTINGS SHALL BE RUBBER GASKETED, CONFORMING TO ANSI/AWWA C111/A21.11. LUBRICANTS OTHER THAN THAT FURNISHED BY THE PIPE MANUFACTURER WITH THE PIPE SHALL NOT BE USED.

8. RESTRAINED JOINTS FOR DUCTILE IRON PIPE BELL JOINTS SHALL BE AMERICAN FAST GRIP GASKET, MCWANE SURE GRIP 350 GASKET, U.S. PIPE FIELD LOK 350 GASKET, OR EBAA IRON MEGA LUG SERIES 1100HD. RESTRAINED JOINTS FOR DUCTILE IRON PIPE AND FITTING MECHANICAL JOINTS SHALL BE EBAA IRON MEGA LUG SERIES 1100, STAR GRIP SERIES 3000, OR TYLER UNION TUF-GRIP SERIES TLD. LOCKING BELL JOINT RESTRAINT SHALL BE AMERICAN FLEX RING JOINT, AMERICAN LOK-RING JOINT, OR U.S. PIPE TR-FLEX. RESTRAINED JOINTS FOR PVC PIPE MECHANICAL JOINTS SHALL BE TYLER UNION SERIES 2000 TUF GRIP TLP, JCM SUR-GRIP BELL RESTRAINER, FORD UNI-FLANGE SERIES 1500 CIRCLE LOCK, OR EBAA IRON MEGA LUG SERIES 2000PV. RESTRAINED JOINTS FOR PVC PIPE PUSH ON JOINTS SHALL BE EBAA IRON MEGA LUG SERIES 1500 OR SERIES 1600 (C900 PVC), SERIES 2800 (C905 PVC), FORD UNI-FLANGE SERIES 1390, OR SMITH-BLAIR BELL-LOK SERIES 165. PIPE JOINTS SHALL BE RESTRAINED UPSTREAM AND DOWNSTREAM OF FITTINGS IN ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS OR THE TABLE SHOWN IN THE DRAWINGS, WHICHEVER IS GREATER.

9. POLYETHYLENE PIPE AND TUBING SHALL BE COLOR CODED BLUE (POTABLE WATER) OR PURPLE (RECLAIMED WATER). PIPE AND FITTINGS SHALL BE NSF APPROVED FOR THE USAGE TO WHICH THEY ARE TO BE APPLIED. JOINTS IN SDR-PR PE PIPE SHALL BE BUTT HEAT FUSION OR SOCKET HEAT FUSION TYPE. FITTINGS SHALL BE MANUFACTURED OF THE SAME MATERIAL AS THE PIPE AND SHALL BE OF THE SAME SDR OR LESS. PROVIDE ADAPTERS AS REQUIRED TO JOIN PE PIPE TO PIPE, FITTINGS AND EQUIPMENT OF OTHER MATERIALS.

10. SERVICE SADDLES SHALL MEET THE REQUIREMENTS OF AWWA C800 AND SHALL CONSIST OF EPOXY COATED DUCTILE IRON BODIES IN ACCORDANCE WITH ASTM A536, WITH DOUBLE STAINLESS STEEL STRAPS, BOLTS, WASHERS AND NUTS. STAINLESS STEEL SHALL BE TYPE 304, AND NUTS ARE TO BE TEFLON COATED. THE DUCTILE IRON BODY IS TO BE FUSION BONDED NYLON COATED, MINIMUM THICKNESS 12 MILS, OUTLET OF SADDLE IS TO HAVE NPT THREADS. SERVICE SADDLES SHALL BE MANUFACTURED BY FORD, MUELLER, OR SMITH-BLAIR.

11. ALL SERVICES SHALL INCLUDE THE FOLLOWING: CURB STOPS, UNIONS AS REQUIRED, CORPORATION STOPS. CONFORMANCE WITH AWWA C800 AND C901 IS REQUIRED. THE CONTRACTOR SHALL CUT "W" IN THE TOP CURB OF EACH WATER SERVICE AND A "V" AT ALL VALVE LOCATIONS. CUT W'S AND V'S SHALL BE HIGHLIGHTED WITH BLUE PAINT.

12. UNLESS OTHERWISE NOTED IN THE PLANS, THE UTILITY COMPANY SHALL PROVIDE AND INSTALL WATER METERS AND RECLAIMED WATER METERS. CONTRACTOR SHALL CONSTRUCT WATER SERVICE AND RECLAIMED WATER SERVICE TO THE CORPORATION STOP.

13. UNLESS OTHERWISE INDICATED OR SPECIFIED, ALL VALVES TWO INCHES AND SMALLER SHALL BE ALL BRASS OR BRONZE; VALVES OVER TWO INCHES SHALL BE IRON BODY, FULLY BRONZE OR BRONZE MOUNTED.

14. VALVES 4 INCHES AND LARGER SHALL BE LINED AND COATED. BURIED AND EXPOSED VALVES SHALL BE COATED INSIDE AND OUT WITH A RUST INHIBITING EPOXY PRIMER, FOLLOWED BY AN EPOXY COATING MEETING THE REQUIREMENTS OF AWWA C550, APPLIED AT THE FACTORY. THE INTERIOR OF VALVES WITH A CAST IRON OR DUCTILE IRON BODY SHALL BE COATED WITH AN EPOXY PROTECTIVE COATING MEETING NSF INTERNATIONAL STANDARD 61 AND AWWA C550. AFTER INSTALLATION, EXTERIOR SURFACES SHALL BE PAINTED WITH A TWO COAT SYSTEM. THE FIRST COAT (INTERMEDIATE COAT) SHALL BE 4.0-10.0 MIL DFT TNEMEC COLOR HI-BUILD EPOXOLINE II SERIES N69 OR APPROVED EQUAL, AND THE FINAL COAT SHALL BE 2.0-3.0 MIL DFT TNEMEC ENDURASHIELD SERIES 73 OR APPROVED EQUAL. THE FINAL COAT PAINT COLOR SHALL BE AS SELECTED BY THE LOCAL UTILITY.

15. ALL VALVES 12" AND SMALLER SHALL BE GATE VALVES UNLESS OTHERWISE INDICATED ON THE DRAWINGS. GATE VALVES 3 INCHES TO 12 INCHES SHALL CONFORM TO AWWA C509 OR AWWA C515. THE VALVES SHALL BE IRON BODY, CAST IRON FULLY ENCAPSULATED MOLDED RUBBER WEDGE COMPLYING WITH ASTM D2000, NON-RISING STEM WITH O-RING SEALS. VALVES SHALL OPEN COUNTERCLOCKWISE.

16. TAPPING SLEEVES ARE TO BE 18-8 TYPE 304 STAINLESS STEEL AND STAINLESS STEEL OUTLET, AS MANUFACTURED BY JCM OR APPROVED EQUAL. TAPPING VALVES SHALL BE RESILIENT SEATED GATE VALVES AND SHALL CONFORM TO THE REQUIREMENTS OF AWWA C509. TAPPING VALVES SHALL BE AMERICAN FLOW CONTROL SERIES 2500, CLOW SERIES F-6100, OR MUELLER SERIES A2361.

17. VALVES 14" AND LARGER SHALL BE BUTTERFLY VALVES. BUTTERFLY VALVES SHALL MEET OR EXCEED THE DESIGN STRENGTH, TESTING AND PERFORMANCE REQUIREMENTS OF AWWA C504, CLASS 150. VALVE BODY SHALL BE MECHANICAL JOINT END TYPE VALVE CONSTRUCTED OF CAST IRON OR DUCTILE IRON. DISC SHALL BE ONE PIECE CAST DESIGN WITH NO EXTERNAL RIBS TRANSVERSE TO FLOW. DISC SHALL BE CAST IRON OR DUCTILE IRON. THE RESILIENT SEAT SHALL MATE WITH A 304 OR 316 STAINLESS STEEL SURFACE.

18. VALVE SEATS SHALL BE MECHANICALLY RETAINED, AND MAY BE INSTALLED ON EITHER THE BODY OR DISC. O-RING SEATS ON VALVE DISCS ARE UNACCEPTABLE. SEATS FOR VALVES 14" DIAMETER AND LARGER SHALL BE FULLY FIELD REPLACEABLE WITHOUT THE USE OF SPECIAL TOOLS. OPERATORS OF THE ENCLOSED TRAVELING-NUT TYPE SHALL BE PROVIDED UNLESS OTHERWISE INDICATED.

19. ALL BURIED VALVES SHALL BE PROVIDED WITH ADJUSTABLE VALVE BOXES APPROXIMATELY 5 INCHES IN DIAMETER WITH A MINIMUM THICKNESS OF 3/16 INCH CAST IRON. BOXES SHALL BE OF SUFFICIENT LENGTH TO OPERATE ALL VALVES BURIED IN THE GROUND, CONSISTING OF BASE, CENTER SECTION, AND TOP SECTION WITH COVER. VALVE BOXES LOCATED IN UNPAVED AREAS SHALL BE SLIP TYPE DESIGN TO PERMIT MOVEMENT OF THE TOP SECTION WITHOUT TRANSMITTING FORCES ONTO THE VALVE BODY. VALVE BOXES CAST INTO CONCRETE OR ASPHALT SURFACING SHALL HAVE BRASS COVERS. ALL VALVE BOX COVERS SHALL BE INTERNALLY CHAINED TO VALVE BOXES WITH AN APPROXIMATELY 18 INCH GALVANIZED CHAIN. VALVE BOX COVERS SHALL BE CAST WITH THE INSCRIPTION "WATER" OR "RECLAIMED WATER".

20. PVC PIPES SHALL BE COLOR CODED BLUE (WATER MAINS) OR PURPLE (RECLAIMED WATER MAINS) AND STENCILED (0.75-INCH LETTERING ON THE PIPE IN AT LEAST THREE AREAS PER PIPE SECTION) "POTABLE WATER MAIN" OR "RECALIMED WATER MAIN" AS APPLICABLE.

21. INSTALL IDENTIFICATION TAPE ALONG ALL DUCTILE IRON PIPE AND PVC PIPE, MINIMUM THICKNESS 4 MILS, WIDTH 6 INCHES, LETTER SIZE 1 INCH. APPLY TAPE TO SURFACE OF PIPE, CONTINUOUSLY EXTENDING FROM JOINT TO JOINT. TAPE COLOR AND LETTERING SHALL BE BLACK PRINTING ON BLUE BACKGROUND (WATER MAINS), BLACK PRINTING ON PURPLE BACKGROUND (RECLAIMED WATER MAINS). PLACE TAPE AS FOLLOWS: 2" - 8" PIPE - CENTER ALONG TOP HALF OF PIPE; 10" - 18" PIPE - PLACE ALONG BOTH SIDES OF THE TOP HALF OF PIPE; 20" PIPE AND LARGER - PLACE ON BOTH SIDES OF TOP HALF OF PIPE WITH A THIRD STRIP CENTERED ALONG TOP HALF OF PIPE.

22. INSTALL WARNING TAPE ALONG ALL PIPELINES, PLACED 2 FEET ABOVE PIPE. TAPE SHALL BE 6-INCH WIDE VINYL CONTINUOUS TAPE. TAPE SHALL BE COLORED BLUE (WATER MAINS) OR PURPLE (RECLAIMED WATER MAINS) WITH BLACK LETTERING, CODED AND WORDED "CAUTION: WATER MAIN BURIED BELOW", OR "CAUTION: RECLAIMED WATER MAIN BURIED BELOW", AS APPLICABLE.

23. INSTALL LOCATING WIRE ALONG ALL PVC PIPELINES. WIRE SHALL BE COLOR-CODED 10 GAUGE CONTINUOUS INSULATED WIRE. COLOR CODING SHALL BE SIMILAR TO WARNING TAPE COLORS. INSTALL LOCATOR WIRE ALONG ALL PRESSURIZED PIPELINES 2" AND LARGER. LOOP WIRE INTO ALL VALVE BOXES. LOOPING TO OCCUR EVERY 500 FEET MINIMUM. WHERE THERE ARE NO VALVE BOXES TO ALLOW LOOPING, PROVIDE ACCESS BOXES PER CITY REQUIREMENTS. CHECK WIRE FOR ELECTRICAL CONTINUITY.

24. ALL CHANGES IN DIRECTION SHALL BE MADE WITH FITTINGS OR APPROVED JOINT DEFLECTION. BENDING OF PIPE, EXCEPT COPPER AND POLYETHYLENE, IS PROHIBITED. JOINT DEFLECTION SHALL NOT EXCEED 75% OF THE MANUFACTURER'S RECOMMENDED MAXIMUM DEFLECTION.

25. TEST PROCEDURES SHALL BE APPROVED BY THE ENGINEER. ALL TESTS SHALL BE MADE IN THE PRESENCE OF THE ENGINEER AND UTILITY. NOTIFY THE ENGINEER AND THE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY WORK IS TO BE INSPECTED OR TESTED.

26. PROVIDE ALL EQUIPMENT FOR TESTING. INCREMENTS ON GAGES USED FOR LOW PRESSURE AIR TESTING SHALL BE OF SCALED TO THE NEAREST 0.1 PSI. GAGES, PUMPS, AND HOSES SHALL BE IN GOOD WORKING ORDER WITH NO NOTICEABLE LEAKS.

27. ALL SERVICE LINES SHALL BE COMPLETED PRIOR TO TESTING, AND ARE SUBJECT TO THE SAME TESTING REQUIREMENTS AS THE MAIN LINE.

28. THE SEQUENCE OF TESTING AND DISINFECTION SHALL BE AS FOLLOWS: 1) CONDUCT PRESSURE AND LEAKAGE TESTING; 2) PERFORM FLUSHING PER UTILITY REQUIREMENTS AND AWWA C651; 3) DISINFECT THE WATER MAIN, INCLUDING VALVES AND FITTINGS; AND 4) DECHLORINATE AND FLUSH AFTER DISINFECTION.

29. APPLY HYDROSTATIC TEST PRESSURE OF 150 PSI (WATER MAINS), 200 PSI (FIRE MAINS), OR 150 PSI (RECLAIMED WATER MAINS) FOR 10 MINUTES AND FOR SUCH ADDITIONAL PERIOD NECESSARY FOR THE ENGINEER TO COMPLETE THE INSPECTION OF THE LINE UNDER TEST. DO NOT EXCEED PIPE MANUFACTURER'S SUGGESTED TIME DURATION AT THE TEST PRESSURE. IF DEFECTS ARE NOTED, REPAIRS SHALL BE MADE AND THE TEST REPEATED UNTIL ALL PARTS OF THE LINE WITHSTAND THE TEST PRESSURE.

30. APPLY LEAKAGE TEST PRESSURE OF 150 PSI (WATER MAINS), 200 PSI (FIRE MAINS) OR 150 PSI (RECLAIMED WATER MAINS). MAINTAIN PRESSURE AT A MAXIMUM VARIATION OF 5% DURING THE ENTIRE LEAKAGE TEST. THE DURATION OF THE LEAKAGE TEST SHALL BE TWO HOURS MINIMUM, AND FOR SUCH ADDITIONAL TIME NECESSARY FOR THE ENGINEER TO COMPLETE INSPECTION OF THE SECTION OF LINE UNDER TEST. LEAKAGE MEASUREMENTS SHALL NOT BE STARTED UNTIL A CONSTANT TEST PRESSURE HAS BEEN ESTABLISHED. THE LINE LEAKAGE SHALL BE MEASURED BY MEANS OF A WATER METER INSTALLED ON THE SUPPLY SIDE OF THE PRESSURE PUMP.

31. NO LEAKAGE IS ALLOWED IN EXPOSED PIPING, BURIED PIPING WITH FLANGED, THREADED, OR WELDED JOINTS OR BURIED NON-POTABLE PIPING IN CONFLICT WITH POTABLE WATER LINES.

32. TESTED SECTIONS OF BURIED PIPING WITH SLIP-TYPE OR MECHANICAL JOINTS WILL NOT BE ACCEPTED IF IT HAS A LEAKAGE RATE IN EXCESS OF THAT RATE DETERMINED BY THE FORMULA L = SDP/148000 WHERE L = MAXIMUM PERMISSIBLE LEAKAGE RATE, IN GALLONS PER HOUR, THROUGHOUT THE ENTIRE LENGTH OF LINE BEING TESTED; S = LENGTH OF LINE TESTED (IN FEET); D = NOMINAL INTERNAL DIAMETER (IN INCHES) OF THE PIPE; AND P = THE SQUARE ROOT OF THE ACTUAL PRESSURE IN PSIG ON ALL JOINTS IN THE TESTED PORTION OF THE LINE. THIS ACTUAL PRESSURE SHALL BE DETERMINED BY FINDING THE DIFFERENCE BETWEEN THE AVERAGE ELEVATION OF ALL TESTED PIPE JOINTS AND THE ELEVATION OF THE PRESSURE GAUGE AND ADDING THE DIFFERENCE IN ELEVATION HEAD TO THE AUTHORIZED TEST PRESSURE.

33. ALL APPARENT LEAKS DISCOVERED WITHIN ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE OF THE WORK BY THE OWNER SHALL BE LOCATED AND REPAIRED BY CONTRACTOR, REGARDLESS OF THE TOTAL LINE LEAKAGE RATE.

34. PRIOR TO DISINFECTION, CONDUCT FULL DIAMETER FLUSHING OF PIPELINE IN SECTIONS IN ORDER TO REMOVE ANY SOLIDS OR CONTAMINATED MATERIAL THAT MAY HAVE BECOME LODGED IN THE PIPE.

35. OBTAIN A MINIMUM FLUSHING VELOCITY OF 2.5 FEET PER SECOND PER AWWA C651.

36. ALL TAPS REQUIRED FOR FLUSHING AND THE TEMPORARY OR PERMANENT RELEASE OF AIR AS NEEDED FOR FLUSHING SHALL BE PROVIDED BY THE CONTRACTOR.

37. DISINFECT ALL POTABLE WATER LINES, FIRE LINES, VALVES, FITTINGS, HYDRANTS. THE WATER MAIN DISINFECTION AND BACTERIOLOGICAL SAMPLING AND METHODS OF DISINFECTION FOR ALL WATER CONTAINMENT DEVICES AND PIPING SYSTEMS SHALL CONFORM TO AWWA C651. THE DISCHARGE LOCATIONS FOR THE CHLORINATED WATER SHALL BE APPROVED BY THE OWNER. NEUTRALIZE THE CHLORINE RESIDUAL BY MEANS OF A REDUCING AGENT IN ACCORDANCE WITH AWWA C651.

38. ALL DISINFECTION WORK SHALL BE ACCEPTABLE TO THE STATE HEALTH AUTHORITY. IF ANY REQUIREMENTS OF THIS SECTION ARE IN CONFLICT WITH REQUIREMENTS OF THE AUTHORITY FOR DISINFECTION, THOSE OF THE AUTHORITY SHALL GOVERN. ALL BACTERIOLOGICAL TESTING SHALL BE PERFORMED BY A STATE CERTIFIED LABORATORY CONTRACTED BY THE CONTRACTOR. PROPER CHAIN OF CUSTODY PROCEDURES MUST BE FOLLOWED AND SAMPLES SHALL ONLY BE COLLECTED BY CERTIFIED LABORATORY PERSONNEL. COPIES OF ALL TESTING RESULTS AND ALL RELATED CORRESPONDENCE FROM THE TESTING LAB SHALL BE SUBMITTED TO THE OWNER, UTILITY, AND ENGINEER.

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THIS SHEET NOT VALID FOR CONSTRUCTION WITHOUT COMPLETE SET OF PLANS. SEE GENERAL NOTES FOR MASTER LEGEND.

REVISIONS

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3	6

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GENERAL NOTES SHEET

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5/28/2025

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FIRE PROTECTION SYSTEMS

1. COMBUSTIBLE CONSTRUCTION CANNOT OCCUR UNTIL PROPER DOCUMENTATION HAS BEEN SUBMITTED TO THE LOCAL FIRE MARSHAL. DOCUMENTATION SHALL SHOW THAT HYDRANTS HAVE BEEN INSTALLED, TESTED, AND ARE IN PROPER WORKING ORDER.

2. INSTALL ALL FIRE LINE PIPING AT A MINIMUM 36 INCHES OF COVER.

3. THE CONTRACTOR INSTALLING THE UNDERGROUND FIRE PROTECTION PIPING SHALL HOLD A CLASS I, II, OR LEVEL V CERTIFICATION AS ISSUED BY THE STATE OF FLORIDA, AS REQUIRED BY FS 633.021(5).

4. ALL FIRE PROTECTION SPRINKLER SYSTEMS INSTALLED SHALL COMPLY WITH NFPA 13, AND SHALL BE MONITORED BY A COMPANY LISTED AS A CENTRAL STATION.

5. HYDRANTS SHALL CONFORM TO AWWA C502 AND SHALL BE FURNISHED COMPLETE WITH WRENCH AND OTHER APPURTENANCES. MANUFACTURER'S CERTIFICATION OF COMPLIANCE WITH AWWA C502 AND TESTS LISTED THEREIN WILL BE REQUIRED.

6. ALL HYDRANTS SHALL BE OF BREAKABLE TYPE, WITH THE BREAKABLE SECTION LOCATED SLIGHTLY ABOVE THE FINISH GROUND LINE. HYDRANTS SHALL CONTAIN TWO-TWO AND A HALF INCH (2-1/2") HOSE CONNECTIONS AND ONE-FOUR AND A HALF INCH (4-1/2") STEAMER CONNECTIONS WITH NATIONAL STANDARD FIRE HOSE COUPLING SCREW THREADS, FIVE AND ONE QUARTER INCH (5-1/4") VALVE OPENING, SIX INCH (6") DIAMETER MECHANICAL JOINT INLET, ONE AND ONE-HALF INCH (1-1/2") PENTAGON OPERATING NUT. THE HYDRANTS SHALL OPEN COUNTERCLOCKWISE.

7. ALL HYDRANTS SHALL BE PAINTED IN AN APPROVED MANNER WITH THE PRIMER PAINT BEING KOPPER'S "GLAMORTEX" NO. 622 RUST PRIMER AND THE FINISH PAINT SHALL BE TWO COATS OF ENAMEL OR SPECIAL COATING TO COLOR AS REQUIRED BY THE LOCAL FIRE DEPARTMENT.

8. BLUE PAVEMENT REFLECTORS (CAT EYES) SHALL BE PLACED IN THE CENTERLINE OF THE DRIVING LANE DIRECTLY IN FRONT OF ALL FIRE HYDRANTS. THERE SHALL BE NO TREES, SHRUBS, OR LANDSCAPING PLANTED AROUND THE FIRE HYDRANTS OR IN AREAS DESIGNATED AS FIRE LANES.

9. THE SEQUENCE OF TESTING AND DISINFECTION SHALL BE AS FOLLOWS: 1) CONDUCT FIRE FLOW, PRESSURE AND LEAKAGE TESTING; 2) PERFORM FLUSHING PER UTILITY REQUIREMENTS AND AWWA C651; 3) DISINFECT THE WATER MAIN, INCLUDING VALVES AND FITTINGS; AND 4) FLUSH AFTER DISINFECTION.

10. THE CONTRACTOR SHALL PROVIDE A POST-CONSTRUCTION FIRE FLOW TEST WITNESSED AND APPROVED BY THE ENGINEER AND THE UTILITY. HYDRANTS SHALL DELIVER A MINIMUM OF 1250 GPM WITH A RESIDUAL PRESSURE OF 20 PSI.

11. APPLY HYDROSTATIC TEST PRESSURE OF 200 PSI (FIRE MAINS) FOR 10 MINUTES AND FOR SUCH ADDITIONAL PERIOD NECESSARY FOR THE ENGINEER TO COMPLETE THE INSPECTION OF THE LINE UNDER TEST. DO NOT EXCEED PIPE MANUFACTURER'S SUGGESTED TIME DURATION AT THE TEST PRESSURE. IF DEFECTS ARE NOTED, REPAIRS SHALL BE MADE AND THE TEST REPEATED UNTIL ALL PARTS OF THE LINE WITHSTAND THE TEST PRESSURE.

12. APPLY LEAKAGE TEST PRESSURE OF 200 PSI (FIRE MAINS) MAINTAIN PRESSURE AT A MAXIMUM VARIATION OF 5% DURING THE ENTIRE LEAKAGE TEST. THE DURATION OF THE LEAKAGE TEST SHALL BE TWO HOURS MINIMUM, AND FOR SUCH ADDITIONAL TIME NECESSARY FOR THE ENGINEER TO COMPLETE INSPECTION OF THE SECTION OF LINE UNDER TEST. LEAKAGE MEASUREMENTS SHALL NOT BE STARTED UNTIL A CONSTANT TEST PRESSURE HAS BEEN ESTABLISHED. THE LINE LEAKAGE SHALL BE MEASURED BY MEANS OF A WATER METER INSTALLED ON THE SUPPLY SIDE OF THE PRESSURE PUMP.

13. NO LEAKAGE IS ALLOWED IN EXPOSED PIPING, BURIED PIPING WITH FLANGED, THREADED, OR WELDED JOINTS OR BURIED NON-POTABLE PIPING IN CONFLICT WITH POTABLE WATER LINES.

14. TESTED SECTIONS OF BURIED PIPING WITH SLIP-TYPE OR MECHANICAL JOINTS WILL NOT BE ACCEPTED IF IT HAS A LEAKAGE RATE IN EXCESS OF THAT RATE DETERMINED BY THE FORMULA L = SDP/148000 WHERE L = MAXIMUM PERMISSIBLE LEAKAGE RATE, IN GALLONS PER HOUR, THROUGHOUT THE ENTIRE LENGTH OF LINE BEING TESTED; S = LENGTH OF LINE TESTED (IN FEET); D = NOMINAL INTERNAL DIAMETER (IN INCHES) OF THE PIPE; AND P = THE SQUARE ROOT OF THE ACTUAL PRESSURE IN PSIG ON ALL JOINTS IN THE TESTED PORTION OF THE LINE. THIS ACTUAL PRESSURE SHALL BE DETERMINED BY FINDING THE DIFFERENCE BETWEEN THE AVERAGE ELEVATION OF ALL TESTED PIPE JOINTS AND THE ELEVATION OF THE PRESSURE GAUGE AND ADDING THE DIFFERENCE IN ELEVATION HEAD TO THE AUTHORIZED TEST PRESSURE.

15. DISINFECT ALL POTABLE WATER LINES, FIRE LINES, VALVES, FITTINGS, HYDRANTS.

16. ALL DISINFECTION WORK SHALL BE ACCEPTABLE TO THE STATE HEALTH AUTHORITY. IF ANY REQUIREMENTS OF THIS SECTION ARE IN CONFLICT WITH REQUIREMENTS OF THE AUTHORITY FOR DISINFECTION, THOSE OF THE AUTHORITY SHALL GOVERN. THE WATER MAIN DISINFECTION AND BACTERIOLOGICAL SAMPLING AND METHODS OF DISINFECTION FOR ALL WATER CONTAINMENT DEVICES AND PIPING SYSTEMS SHALL CONFORM TO AWWA C651.

SANITARY SEWER SYSTEMS

1. THE ENTITY THAT WILL OPERATE AND MAINTAIN THE SEWER SYSTEM SHOWN ON THESE PLANS IS AUTOZONE STORES LLC. THE CONTRACTOR SHALL MEET ALL THE REQUIREMENTS OF LAKE CITY UTILITIES.

2. INSTALL ALL SEWER MAINS AT A MINIMUM 36 INCHES OF COVER.

3. JOINTS SHALL MEET THE REQUIREMENTS OF ASTM D3212 USING RUBBER GASKETS CONFORMING TO ASTM F477.

4. FITTINGS SHALL CONFORM TO THE SAME REQUIREMENTS AS THE PIPE. PROVIDE ADAPTERS AS REQUIRED TO JOIN PVC PIPE TO PIPE, FITTINGS AND EQUIPMENT OF OTHER MATERIALS. SOLVENT CEMENT SHALL BE AS RECOMMENDED BY THE PIPE MANUFACTURER.

5. SEWER PIPE SHALL BE COLOR CODED GREEN, STENCILED "SEWER LINE" (2" LETTERING ON TWO SIDES OF THE PIPE IN AT LEAST THREE AREAS PER PIPE SECTION).

6. INSTALL ADHESIVE IDENTIFICATION TAPE ALONG PIPELINE. TAPE SHALL BE MINIMUM THICKNESS 4 MILS, WIDTH 6 INCHES, LETTER SIZE 1 INCH. TAPE COLOR AND LETTERING SHALL BE "SEWER LINE", BLACK PRINTING ON GREEN BACKGROUND. PLACE TAPE AS FOLLOWS: 2" - 8" PIPE - CENTER ALONG TOP HALF OF PIPE; 10" - 18" PIPE - PLACE ALONG BOTH SIDES OF THE TOP HALF OF PIPE; 20" PIPE AND LARGER - PLACE ON BOTH SIDES OF TOP HALF OF PIPE WITH A THIRD STRIP CENTERED ALONG TOP HALF OF PIPE.

7. INSTALL WARNING TAPE ALONG ALL SEWER PIPELINES. TAPE SHALL BE 6-INCH WIDE VINYL CONTINUOUS TAPE, COLORED GREEN WITH BLACK LETTERING CODED AND WORDED "CAUTION: SEWER BURIED BELOW". INSTALL ALONG PIPELINE, 2 FEET ABOVE PIPE, MINIMUM OF 1 FOOT BELOW GRADE.

8. CONNECTIONS TO EXISTING SEWER SHALL BE CONDUCTED IN SUCH A MANNER THAT THE EXISTING SEWER REMAINS IN OPERATION. PROVIDE BY PASS PUMPING OF EXISTING FLOWS OR COLLECT AND LEGALLY DISPOSE OF EXISTING SEWER FLOW AS NEEDED TO ACCOMMODATE CONSTRUCTION WHILE KEEPING EXISTING SEWER IN SERVICE.

9. PRIOR TO INSPECTIONS AND TESTING, CLEAN ALL INSTALLED LINES AND MANHOLES. TEST PROCEDURES SHALL BE APPROVED BY THE ENGINEER. ALL TESTS SHALL BE MADE IN THE PRESENCE OF THE ENGINEER AND UTILITY. NOTIFY THE ENGINEER AND THE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY WORK IS TO BE INSPECTED OR TESTED.

10. PROVIDE ALL EQUIPMENT FOR TESTING. INCREMENTS ON GAGES USED FOR LOW PRESSURE AIR TESTING SHALL BE OF SCALED TO THE NEAREST 0.1 PSI. GAGES, PUMPS, AND HOSES SHALL BE IN GOOD WORKING ORDER WITH NO NOTICEABLE LEAKS.

11. ALL SERVICE LATERALS SHALL BE COMPLETED PRIOR TO TESTING, AND ARE SUBJECT TO THE SAME TESTING REQUIREMENTS AS THE MAIN LINE.

12. PROVIDE LIGHT SOURCE AND MIRRORS FOR LAMPING OF SEWER. ANY SEWER IN WHICH THE DIRECT LIGHT OF A LAMP CANNOT BE VIEWED IN EITHER DIRECTION, FULL CIRCLE, BETWEEN ADJACENT MANHOLES SHALL BE CONSIDERED UNSATISFACTORY, UNLESS THE LINE IS DESIGNED WITH HORIZONTAL DEFLECTIONS, AND SHALL BE REPAIRED BY THE CONTRACTOR WITHOUT ADDITIONAL COMPENSATION.

13. CONDUCT LOW PRESSURE AIR TESTING (4.0 PSI INITIAL PRESSURE) OF INSTALLED SEWER PIPING IN ACCORDANCE WITH ASTM F1417. MAXIMUM ALLOWABLE LEAKAGE IS 0.0015 CUBIC FEET PER MINUTE PER SQUARE FOOT INTERNAL SURFACE AREA BEING TESTED. ALLOWABLE AIR PRESSURE DROP DURING THE TEST IS 0.5 PSIG. MINIMUM REQUIRED TEST TIME (DURATION) IS: A) 4" PIPE = 1 MIN 53 SEC; B) 6" PIPE = 2 MIN 50 SEC, OR 0.427 X LENGTH OF PIPE TESTED, WHICHEVER IS GREATER; C) 8" PIPE = 3 MIN 47 SEC, OR 0,760 X LENGTH OF PIPE TESTED, WHICHEVER IS GREATER; D) 10" PIPE = 4 MIN 43 SEC, OR 1.187 X LENGTH OF PIPE TESTED, WHICHEVER IS GREATER; E) 12" PIPE = 5 MIN 40 SEC, OR 1.709 X LENGTH OF PIPE TESTED, WHICHEVER IS GREATER.

14. CONDUCT DEFLECTION TESTING OF PIPELINE AFTER THE FINAL BACKFILL HAS BEEN IN PLACE AT LEAST 30 DAYS. MAXIMUM ALLOWABLE PIPE DEFLECTION IS 5%. MEASURE DEFLECTION BY MANUALLY PULLING A MANDREL THROUGH THE PIPE. THE MINIMUM MANDREL OUTER DIAMETER SHALL BE IN ACCORDANCE WITH THE FOLLOWING: 6" SEWER = 5.45" MANDREL; 8" SEWER = 7.28" MANDREL; 10" SEWER = 9.08" MANDREL; 12" SEWER = 10.79" MANDREL; 15" SEWER = 13.20" MANDREL; 18" SEWER = 16.13" MANDREL; 21" SEWER = 19.00" MANDREL; 24" SEWER = 21.36" MANDREL; 27" SEWER = 24.06" MANDREL.

15. DEFLECTION TESTING IS CONSIDERED SATISFACTORY IF THE MANDREL CAN BE PULLED BY HAND THROUGH THE PIPE BEING TESTED. IF THE MANDREL CANNOT BE PULLED THROUGH THE PIPE, REPLACE OR CORRECT THE PIPE AND RETEST UNTIL TESTING IS SATISFACTORY. ANY PIPE REMOVED OR CORRECTED DUE TO FAILING DEFLECTION TESTING SHALL ALSO BE RE-TESTED FOR LEAKAGE.

PAVING, SIDEWALKS, AND CURBING

1. MATERIALS AND CONSTRUCTION METHODS FOR THE ROADWAY AND PAVING CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION, OR AS NOTED ON PLANS.

2. ROADWAY PAVING, BASE, AND SUBGRADE THICKNESSES SHALL BE IN ACCORDANCE WITH DETAILS ON THESE DRAWINGS.

3. SIDEWALKS ARE TO BE CONSTRUCTED IN THE AREAS AS SHOWN ON THE CONSTRUCTION PLANS. HANDICAPPED RAMPS SHALL BE PROVIDED AT ALL INTERSECTIONS AND SHALL BE IN ACCORDANCE WITH THE FLORIDA ACCESSIBILITY CODE FOR BUILDING CONSTRUCTION, LATEST EDITION.

4. CURBING SHALL BE CONSTRUCTED WHERE NOTED ON THE CONSTRUCTION PLANS. ALL CURBS SHALL HAVE SAW CUT CONTRACTION JOINTS AND SHALL BE CONSTRUCTED AT INTERVALS NOT TO EXCEED 10'-0" ON CENTER. CONSTRUCTION OF CURBS SHALL BE IN CONFORMANCE WITH FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST EDITION) SECTION 520 AND DETAILS PROVIDED ON THE CONSTRUCTION PLANS.

5. FIELD COMPACTION DENSITY, STABILITY, AND THICKNESS TESTING FREQUENCIES OF SUB-BASE, BASE, AND ASPHALT SHALL BE TESTED ONCE EVERY 300 LINEAR FEET OF PAVING PER 24-FT WIDE STRIP, STAGGERED LEFT, CENTER AND RIGHT OF CENTERLINE. WHERE LESS THAN 300 LINEAR FEET OF SUB-BASE, BASE, AND ASPHALT IS PLACED IN ONE DAY, PROVIDE MIN. OF ONE TEST FOR EACH PER DAY'S CONSTRUCTION AT A LOCATION DESIGNATED BY THE ENGINEER. ASPHALT EXTRACTION GRADATION SHALL BE TESTED FROM GRAB SAMPLES COLLECTED ONCE EVERY 1800 SQUARE YARDS OF ASPHALT DELIVERED TO THE SITE (OR A MINIMUM OF ONCE PER DAY).

PRECAST STRUCTURES AND APPURTENANCES

1. ALL MANHOLES SHALL BE PRECAST CONSTRUCTION. THE MINIMUM SIZE DIAMETER OF MANHOLES SHALL BE 48" FOR SEWER LINES 21" IN DIAMETER OR LESS. INTEGRALLY CAST STEPS WITHIN PRECAST STRUCTURES ARE NOT ALLOWED.

2. BASES SHALL BE ONE-PIECE PRECAST BASE SECTIONS CONSISTING OF INTEGRALLY CAST SLAB, BOTTOM RING SECTION AND CONCRETE FLOW CHANNELS. BASE SECTIONS SHALL HAVE INTEGRAL INVERTS WITH GASKETS TO MATCH THE PIPE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING ALL INVERT ANGLES. PROVIDE OUTLET STUBS WITH JOINTS TO MATCH THE PIPE.

3. RISERS SHALL BE PRECAST REINFORCED CONCRETE PER ASTM C478, MANUFACTURED USING SULFATE RESISTANT CEMENT (ASTM C150, TYPE II). RISERS SHALL BE 48-INCH DIAMETER UNLESS OTHERWISE INDICATED AND SHALL HAVE A MINIMUM WALL THICKNESS OF 5 INCHES.

4. GASKETS FOR SEATING PRECAST SECTIONS SHALL BE COLD ADHESIVE PREFORMED PLASTIC GASKETS CONFORMING TO FDOT SPECIFICATION 942-2, UNLESS OTHERWISE INDICATED.

5. UNLESS OTHERWISE INDICATED, CONE TOP SECTIONS SHALL BE PRECAST, ECCENTRIC TYPE WITH 24-INCH DIAMETER TOP OPENING CONFORMING TO ASTM C478. PROVIDE 8-INCH MINIMUM THICKNESS FLAT SLAB TOPS WITH ECCENTRIC 24 INCH DIAMETER OPENING, UNLESS OTHERWISE INDICATED.

6. PROVIDE A FLEXIBLE WATERTIGHT SEAL OF THE PIPE TO THE MANHOLE. CONNECTION OF CONCRETE PIPE TO THE MANHOLE SHALL BE MADE WITH NON-SHRINK METALLIC GROUT. CONNECTION OF DUCTILE IRON OR PVC PIPE TO THE MANHOLE SHALL PROVIDE A WATERTIGHT CONNECTION PER ASTM C923. WHERE CONNECTORS ARE USED, THEY SHALL BE INSTALLED IN THE MANHOLE WALL BY ACTIVATING THE EXPANDING MECHANISM IN STRICT ACCORDANCE WITH THE RECOMMENDATION OF THE CONNECTOR MANUFACTURER. THE USE OF ADHESIVES OR LUBRICANTS FOR INSTALLATION OF RUBBER CONNECTORS IS PROHIBITED.

7. FRAMES AND COVERS SHALL BE GREY IRON PER ASTM A48, CLASS 30B AND SHALL BE U.S. FOUNDRY TYPE 227AS, TRAFFIC BEARING (AASHTO H-20 LOADING), UNLESS OTHERWISE NOTED IN THE DRAWINGS. CASTINGS SHALL BE SMOOTH, CLEAN, FREE FROM BLISTERS, BLOWHOLES, AND SHRINKAGE. RAISED LETTERING ON COVERS SHALL BE "STORM", "SEWER", OR AS DETAILED ON THE DRAWINGS.

8. PROVIDE CAST IRON INLETS, FRAMES, AND GRATES IN ACCORDANCE WITH DETAILS ON THE DRAWINGS. ALL FRAMES AND INLET GRATES SHALL BE PRODUCTS OF U.S. FOUNDRY & MANUFACTURING CORPORATION, OR EQUAL.

9. ALL INLET GRATES SHALL BE SECURED BY CHAIN AND EYEBOLT TO THE TOP OF THE STRUCTURE.

10. THE TOP ELEVATION OF MANHOLES CONSTRUCTED IN PAVED AREAS SHALL MATCH FINISHED GRADE. THE TOP ELEVATION OF MANHOLES CONSTRUCTED IN GRASSED AREAS SHALL BE 4" ABOVE FINISHED GRADE (UNLESS NOTED OTHERWISE).

11. ALL MANHOLES AND CLEAN OUTS CONSTRUCTED WITHIN PAVED AREAS SHALL BE INSTALLED WITH TRAFFIC BEARING RINGS AND COVERS.

12. MANHOLE COATINGS AND FINISHES SHALL BE:

    A. SANITARY SEWER MANHOLE INTERIOR - BITUMINOUS EPOXY COATING, MINIMUM DRY FILM THICKNESS = 16 MILS.

    B. INTERIOR OF MANHOLES WHICH RECEIVE FORCE MAIN DISCHARGE - INTEGRALLY ATTACHED INTERIOR LINER, FULL HEIGHT, FIBERGLASS LINER. LINER THICKNESS TO BE IN ACCORDANCE WITH THE DRAWINGS.

    C. EXTERIOR - BITUMINOUS EPOXY COATING, MINIMUM DRY FILM THICKNESS = 16 MILS.

PRECAST STRUCTURES AND APPURTENANCES

1. ALL MANHOLES SHALL BE PRECAST CONSTRUCTION. THE MINIMUM SIZE DIAMETER OF MANHOLES SHALL BE 48" FOR SEWER LINES 21" IN DIAMETER OR LESS. INTEGRALLY CAST STEPS WITHIN PRECAST STRUCTURES ARE NOT ALLOWED.

2. BASES SHALL BE ONE-PIECE PRECAST BASE SECTIONS CONSISTING OF INTEGRALLY CAST SLAB, BOTTOM RING SECTION AND CONCRETE FLOW CHANNELS. BASE SECTIONS SHALL HAVE INTEGRAL INVERTS WITH GASKETS TO MATCH THE PIPE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING ALL INVERT ANGLES. PROVIDE OUTLET STUBS WITH JOINTS TO MATCH THE PIPE.

3. RISERS SHALL BE PRECAST REINFORCED CONCRETE PER ASTM C478, MANUFACTURED USING SULFATE RESISTANT CEMENT (ASTM C150, TYPE II). RISERS SHALL BE 48-INCH DIAMETER UNLESS OTHERWISE INDICATED AND SHALL HAVE A MINIMUM WALL THICKNESS OF 5 INCHES.

4. GASKETS FOR SEATING PRECAST SECTIONS SHALL BE COLD ADHESIVE PREFORMED PLASTIC GASKETS CONFORMING TO FDOT SPECIFICATION 942-2, UNLESS OTHERWISE INDICATED.

5. UNLESS OTHERWISE INDICATED, CONE TOP SECTIONS SHALL BE PRECAST, ECCENTRIC TYPE WITH 24-INCH DIAMETER TOP OPENING CONFORMING TO ASTM C478. PROVIDE 8-INCH MINIMUM THICKNESS FLAT SLAB TOPS WITH ECCENTRIC 24 INCH DIAMETER OPENING, UNLESS OTHERWISE INDICATED.

6. PROVIDE A FLEXIBLE WATERTIGHT SEAL OF THE PIPE TO THE MANHOLE. CONNECTION OF CONCRETE PIPE TO THE MANHOLE SHALL BE MADE WITH NON-SHRINK METALLIC GROUT. CONNECTION OF DUCTILE IRON OR PVC PIPE TO THE MANHOLE SHALL PROVIDE A WATERTIGHT CONNECTION PER ASTM C923. WHERE CONNECTORS ARE USED, THEY SHALL BE INSTALLED IN THE MANHOLE WALL BY ACTIVATING THE EXPANDING MECHANISM IN STRICT ACCORDANCE WITH THE RECOMMENDATION OF THE CONNECTOR MANUFACTURER. THE USE OF ADHESIVES OR LUBRICANTS FOR INSTALLATION OF RUBBER CONNECTORS IS PROHIBITED.

7. FRAMES AND COVERS SHALL BE GREY IRON PER ASTM A48, CLASS 30B AND SHALL BE U.S. FOUNDRY TYPE 227AS, TRAFFIC BEARING (AASHTO H-20 LOADING), UNLESS OTHERWISE NOTED IN THE DRAWINGS. CASTINGS SHALL BE SMOOTH, CLEAN, FREE FROM BLISTERS, BLOWHOLES, AND SHRINKAGE. RAISED LETTERING ON COVERS SHALL BE "STORM", "SEWER", OR AS DETAILED ON THE DRAWINGS.

8. PROVIDE CAST IRON INLETS, FRAMES, AND GRATES IN ACCORDANCE WITH DETAILS ON THE DRAWINGS. ALL FRAMES AND INLET GRATES SHALL BE PRODUCTS OF U.S. FOUNDRY & MANUFACTURING CORPORATION, OR EQUAL.

9. ALL INLET GRATES SHALL BE SECURED BY CHAIN AND EYEBOLT TO THE TOP OF THE STRUCTURE.

10. THE TOP ELEVATION OF MANHOLES CONSTRUCTED IN PAVED AREAS SHALL MATCH FINISHED GRADE. THE TOP ELEVATION OF MANHOLES CONSTRUCTED IN GRASSED AREAS SHALL BE 4" ABOVE FINISHED GRADE (UNLESS NOTED OTHERWISE).

11. ALL MANHOLES AND CLEAN OUTS CONSTRUCTED WITHIN PAVED AREAS SHALL BE INSTALLED WITH TRAFFIC BEARING RINGS AND COVERS.

12. MANHOLE COATINGS AND FINISHES SHALL BE:

    A. SANITARY SEWER MANHOLE INTERIOR - BITUMINOUS EPOXY COATING, MINIMUM DRY FILM THICKNESS = 16 MILS.

    B. INTERIOR OF MANHOLES WHICH RECEIVE FORCE MAIN DISCHARGE - INTEGRALLY ATTACHED INTERIOR LINER, FULL HEIGHT, FIBERGLASS LINER. LINER THICKNESS TO BE IN ACCORDANCE WITH THE DRAWINGS.

    C. EXTERIOR - BITUMINOUS EPOXY COATING, MINIMUM DRY FILM THICKNESS = 16 MILS.

STORM SEWER SYSTEMS

1. REINFORCED CONCRETE PIPE (RCP) JOINTS SHALL COMPLY WITH ASTM C443 AND FDOT SPECIFICATION SECTION 430, AND RUBBER GASKETS SHALL COMPLY WITH FDOT SPECIFICATION SECTION 942. MINIMUM COVER OVER THE PIPE, INCLUDING COVER OVER THE BELL OF THE PIPE WHERE APPLICABLE, SHALL BE 30 INCHES.

2. RCP PIPE SHALL NOT BE SHIPPED FROM MANUFACTURER UNTIL THE COMPRESSIVE STRENGTH OF THE PIPE HAS REACHED 4000 PSI AND A MINIMUM OF 5 DAYS HAVE PASSED SINCE THE MANUFACTURING OR REPAIR OF THE PIPE HAS BEEN COMPLETED.

3. UNDERDRAIN PIPE SHALL BE PERFORATED POLYVINYL CHLORIDE PIPE IN ACCORDANCE WITH ASTM F758. FILTER FABRIC UNDERDRAIN SOCK SHALL BE TYPE D-3 IN ACCORDANCE WITH SPECIFICATIONS SECTION 985.

4. ALL PIPE JOINTS SHALL BE WRAPPED WITH FILTER FABRIC. FILTER FABRIC SHALL BE IN ACCORDANCE WITH FDOT STANDARD PLANS INDEX 430-001, TYPE D-3, A.O.S. 70-100. INSTALL IN ACCORDANCE WITH FDOT INDEX NO. 280. PROVIDE MINIMUM 12" OVERLAP.

5. INSTALL POLYETHYLENE PIPE IN ACCORDANCE WITH ASTM D2321. BACKFILL AND COMPACT EVENLY ON EACH SIDE TO PREVENT DISPLACEMENT. MINIMUM COVER OVER POLYETHYLENE PIPE SHALL BE AS FOLLOWS: A) PIPE UNDER FLEXIBLE PAVEMENT, RIGID PAVEMENT, OR UNPAVED AREAS WHERE BEDDING IS SUITABLE SOILS AS DEFINED IN THE GENERAL NOTES: MINIMUM COVER SHALL BE 36 INCHES OR ONE PIPE DIAMETER, WHICHEVER IS GREATER; B) PIPE UNDER FLEXIBLE PAVEMENT, RIGID PAVEMENT, OR UNPAVED AREAS WHERE BEDDING IS MANUFACTURED AGGREGATES CLASS 1A OR 1B AS DEFINED IN ASTM D2321: MINIMUM COVER SHALL BE 30 INCHES OR ONE PIPE DIAMETER, WHICHEVER IS GREATER.

6. INSTALL UNDERDRAINS IN ACCORDANCE WITH FDOT SPECIFICATION SECTION 440. INSTALL CLEANOUTS AS SHOWN ON THE DRAWINGS.

7. PRIOR TO INSPECTIONS AND TESTING, CLEAN ALL INSTALLED LINES AND STRUCTURES.

SIGNS AND PAVEMENT MARKINGS

1. ALL SIGNS AND PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" AND THE LATEST IMPLEMENTED EDITION OF FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS.

2. ALL ROADWAY PAVEMENT MARKINGS SHALL BE THERMOPLASTIC WITH RAISED PAVEMENT MARKERS (TYPE 911 - 4" x 4"). RAISED PAVEMENT MARKERS ARE TO BE INSTALLED IN ACCORDANCE WITH THESE PLANS AND FDOT STANDARD PLANS INDEX 706-001.

3. PARKING STALL PAVEMENT MARKINGS SHALL BE PAINTED. PAINT SHALL MEET THE REQUIREMENTS OF FDOT SPECIFICATION SECTION 971, NON-REFLECTIVE WHITE TRAFFIC PAINT, TWO COATS.

4. ALL ROADWAY TRAFFIC SIGNS SHALL BE MANUFACTURED USING HIGH INTENSITY RETROREFLECTIVE MATERIALS. THE BACK OF ALL FINISHED PANELS SHALL BE STENCILED WITH THE DATE OF FABRICATION, THE FABRICATOR'S INITIALS, AND THE NAME OF THE SHEETING IN THREE-INCH LETTERS.

5. INTERNAL SITE TRAFFIC SIGNS ARE NOT REQUIRED TO BE RETROREFLECTIVE.

6. THE CONTRACTOR SHALL VERIFY THE REQUIRED LENGTH OF THE SIGN COLUMN SUPPORTS IN THE FIELD PRIOR TO FABRICATION.

7. CONTRACTOR SHALL PROVIDE AND INSTALL ALL SIGNS, BASES, ANCHOR BOLTS, CONDUITS, WIRING, ETC.

8. ALL PAVEMENT MARKINGS REQUIRE LAYOUT APPROVAL IN THE FIELD BY THE ENGINEER PRIOR TO INSTALLATION.

9. PRIOR TO FINAL PAVEMENT MARKING INSTALLATION, A TWO WEEK CURE TIME OF THE ASPHALT IS REQUIRED.

REVISIONS

1	2	3	4	5	6

AutoZone Store No. FL10562
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NW FOREST MEADOWS AVE,
LAKE CITY, FLORIDA 32055

GENERAL NOTES SHEET

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MATTHEW S. D'ANGELO
FL/ P.E. No. 91885
05/21/22

5/28/2025

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THIS SHEET NOT VALID FOR CONSTRUCTION WITHOUT COMPLETE SET OF PLANS. SEE GENERAL NOTES FOR MASTER LEGEND.

LEGEND:

- PROPERTY LINE
- EXISTING ON SITE LANDSCAPE / GROUND COVER AND OTHER IMPROVEMENTS TO BE REMOVED.
- EXISTING OFF SITE LANDSCAPE / GROUND COVER / CURBING / CONCRETE / PAVEMENT AND OTHER IMPROVEMENTS TO BE REMOVED.
- TREE TO BE REMOVED, REF. TREE RETENTION PLAN /T1.0

DEMOLITION NOTES:

1. THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THIS PLAN HAVE BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY. PRIOR TO THE START OF ANY DEMOLITION ACTIVITY, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES FOR ON SITE LOCATIONS OF EXISTING UTILITIES.

2. CHAPTER 553.851 OF THE FLORIDA STATUTES REQUIRES THAT AN EXCAVATOR NOTIFY ALL GAS UTILITIES A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO EXCAVATING.

3. THE CONTRACTOR SHALL FURNISH ALL MATERIALS, LABOR, SUPERVISION, AND EQUIPMENT REQUIRED FOR THE ORDERLY DEMOLITION AND REMOVAL OF EXISTING STRUCTURES, PAVEMENT AND UTILITIES AS SHOWN ON THE DRAWINGS AND DESCRIBED HEREIN.

4. THE CONTRACTOR IS REQUIRED TO FAMILIARIZE HIMSELF WITH THE STRUCTURES TO BE DEMOLISHED. A BRIEF DESCRIPTION OF THE STRUCTURES IS INCLUDED FOR THE CONTRACTOR'S CONVENIENCE ONLY.

5. THE FOLLOWING LIST OF STRUCTURES REQUIRING DEMOLITION IS INCLUDED FOR THE CONTRACTOR'S CONVENIENCE ONLY. THE DRAWINGS INDICATE THE SCOPE OF DEMOLITION WHERE DEMOLITION IS REQUIRED.

   A. DEMOLITION AND REMOVAL OF EXISTING BUILDING.
   B. DEMOLITION AND REMOVAL OF EXISTING ON SITE ASPHALT, CONCRETE PAVING AND CURBING TO LIMITS SHOWN.
   C. REMOVAL OF EXISTING ONSITE ABOVE-GROUND AND UNDERGROUND UTILITIES, INCLUDING REMOVAL AND/OR PLUGGING OF EXISTING UTILITIES AS SHOWN ON PLANS.

6. PRIOR TO REMOVAL OF ANY UNDERGROUND SEWAGE TANK AND COMPONENTS FROM SERVICE, CONTRACTOR MUST COMPLETELY DRAIN THE SYSTEMS TO AN APPROVED SANITATION TANK FOR DISPOSAL AT AN APPROVED LOCATION AND IN ACCORDANCE WITH LOCAL & STATE REQUIREMENTS.

7. ALL ON SITE UNDERGROUND STRUCTURES AND PIPING MUST BE COMPLETELY REMOVED AND OVEREXCAVATED BY A MINIMUM OF 12" BENEATH THE STRUCTURES. CONTRACTOR SHALL USE APPROVED FILLING MATERIAL FOR FILLING THESE AREAS. FILL SHALL BE OF CLEAN, FINE SAND AASHTO CLASS A-3 AND SHALL BE PLACED IN LOOSE LIFTS NOT EXCEEDING 8" IN THICKNESS AND COMPACTED TO AT LEAST 98% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY (ASTM D-1557).

8. ALL EXISTING STRUCTURES, PAVEMENTS, SLABS, FOUNDATIONS, STEPS, AND OTHER EXISTING FEATURES INDICATED ON THE DRAWINGS TO BE REMOVED SHALL BE DEMOLISHED AND REMOVED BY THE CONTRACTOR. REMOVE NO STRUCTURE SUBSTANTIALLY AS A WHOLE. DEMOLISH COMPLETE ON THE PREMISES.

9. ALL EXISTING SEWERS, PIPING AND UTILITIES SHOWN ARE NOT TO BE INTERPRETED AS THE EXACT LOCATION, OR AS THE ONLY OBSTACLES THAT MAY OCCUR ON THE SITE. VERIFY EXISTING CONDITIONS AND PROCEED WITH CAUTION AROUND ANY ANTICIPATED FEATURES. GIVE NOTICE TO ALL UTILITY COMPANIES REGARDING DESTRUCTION AND REMOVAL OF ALL SERVICE LINES AND CAP ALL LINES BEFORE PROCEEDING WITH THE WORK.

10. ELECTRICAL, TELEPHONE, CABLE AND/OR GAS LINES NEEDING TO BE REMOVED OR RELOCATED SHALL BE COORDINATED WITH THE AFFECTED UTILITY COMPANY PRIOR TO COMMENCEMENT OF CONSTRUCTION. ADEQUATE TIME SHALL BE PROVIDED FOR RELOCATION AND CLOSE COORDINATION WITH THE UTILITY COMPANY IS A NECESSITY TO PROVIDE A SMOOTH TRANSITION IN UTILITY SERVICE.

11. PROVIDE ADEQUATE PROTECTION FOR PERSONS AND PROPERTY AT ALL TIMES. EXECUTE THE WORK IN A MANNER TO AVOID HAZARDS TO PERSONS AND PROPERTY AND PREVENT INTERFERENCE WITH THE USE OF AND ACCESS TO ADJACENT BUILDINGS. STREETS AND SIDEWALKS SHALL NOT BE BLOCKED BY DEBRIS AND EQUIPMENT.

12. AIR HAMMERS OR OTHER DEVICES WILL BE PERMITTED ON EXTERIOR WORK.

13. CONTRACTOR MUST STOP OPERATION AND NOTIFY THE OWNER FOR PROPER DIRECTION IF ANY ENVIRONMENTAL OR HEALTH RELATED CONTAMINATE IS ENCOUNTERED DURING THE DEMOLITION/EXCAVATION PROCESS.

14. REMOVE AND LEGALLY DISPOSE OF ALL OTHER RUBBISH, RUBBLE, AND DEBRIS. COMPLY WITH ALL APPLICABLE LAWS AND REGULATIONS GOVERNING DISPOSAL OF WASTES AND DEBRIS.

15. PAVEMENT REMOVAL:
    A. WHERE EXISTING PAVEMENT IS TO BE REMOVED, SAW-CUT THE SURFACING LEAVING A UNIFORM AND STRAIGHT EDGE WITH MINIMUM DISTURBANCE TO THE REMAINING ADJACENT SURFACING. IF CONSTRUCTION RESULTS IN RAVELING OF THE SAW-CUT SURFACE, RECUT BACK FROM THE RAVELED EDGE PRIOR TO RESTORATION.

    B. WHERE EXISTING PAVEMENT, CURB, CURB AND GUTTER, SIDEWALK, DRIVEWAY, OR VALLEY GUTTER IS REMOVED FOR THE PURPOSE OF CONSTRUCTING OR REMOVING BOX CULVERTS, PIPE, INLETS. MANHOLES, APPURTENANCES, FACILITIES OR STRUCTURES, SAID PAVEMENT, ETC., SHALL BE REPLACED AND RESTORED IN EQUAL OR BETTER CONDITION THAN THE ORIGINAL, CONTRACTOR SHALL PROVIDE ALL NECESSARY LABOR, MATERIALS, EQUIPMENT, TOOLS, SUPPLIES, AND OTHER EQUIPMENT AS REQUIRED.

16. CONTINUOUS ACCESS SHALL BE MAINTAINED FOR THE SURROUNDING PROPERTIES AT ALL TIMES DURING DEMOLITION OF THE EXISTING FACILITIES.

17. PERMITTING: IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ANY REQUIRED PERMITTING FOR DEMOLITION FROM RESPONSIBLE REGULATORY AGENCIES AND FULLY ACKNOWLEDGE AND COMPLY WITH ALL REQUIREMENTS PRIOR TO COMMENCING DEMOLITION WORK.

18. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE THE EXTENT OF DEMOLITION REQUIRED IN ORDER TO PERFORM THE CONTRACT WORK FOR THIS PROJECT. THE CONTRACTOR SHALL CONDUCT SITE VISITS AND SHALL EXAMINE ALL OF THE INFORMATION WITHIN THESE DOCUMENTS: ALL DISCREPANCIES AND/OR OMISSIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO BID SUBMITTAL.

19. PRIOR TO DEMOLITION OCCURRING, ALL EROSION CONTROL DEVICES ARE TO BE INSTALLED.

20. THE CONTRACTOR SHALL COORDINATE WITH OWNER PRIOR TO COMMENCEMENT OF ANY WORK. ACTUAL REMOVAL AND/OR RELOCATION OF ALL EXISTING PLANTS IS TO BE CONDUCTED BY THE LANDSCAPE CONTRACTOR. IT IS THE RESPONSIBILITY OF THE SITEWORK CONTRACTOR TO COORDINATE DEMOLITION ACTIVITIES WITH THE LANDSCAPE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING AND PRESERVING TREES AS INDICATED BY THE OWNER.

21. CONTRACTOR SHALL LIMIT ALL DEMOLITION ACTIVITY TO THAT AREA DELINEATED IN THE DRAWING. ALL OTHER EXIST. UTILITIES INCLUDING : STORM DRAINAGE, GAS, ELECTRIC, TELEPHONE, WATER & SEWER SHALL BE PRESERVED & PROTECTED.

22. A SEPARATE DEMOLITION PERMIT IS REQUIRED FOR THE DEMOLITION OF THE ACTUAL BUILDING.

23. CONTRACTOR MAY LIMIT SAW-CUT & PAVEMENT REMOVAL TO ONLY THOSE AREAS WHERE IT IS REQUIRED AS SHOWN ON THIS SHEET BUT IF ANY DAMAGE IS INCURRED ON ANY OF THE SURROUNDING PAVEMENT, SIDEWALK, ETC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IT'S REMOVAL AND REPAIR.

24. CONTRACTOR WILL BE PROVIDED ASBESTOS SURVEY. CONTRACTOR SHALL OBTAIN FDEP PERMIT AS REQUIRED.

25. CONTRACTOR TO TAKE EXTRA PRECAUTIONS TO PROTECT UNDERGROUND STORM SEWER SYSTEMS LOCATED ON THE NORTH AND SOUTH SIDES OF THE BUILDING. LIMITS SHOWN ARE APPROXIMATED FROM THE ORIGINAL DESIGN PLAN AS-BUILTS.

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20 0 20 40
Graphic Scale in Feet

Plans Prepared By:
CPH, Inc.
5601 Mariner Street, Suite 105 Tampa, FL 33609
Ph: 813.288.0233
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Survey L.B. No. 7143 Landscp. Lic. No. LC0000298
www.cphcorp.com

THIS SHEET NOT VALID FOR CONSTRUCTION WITHOUT COMPLETE SET OF PLANS. SEE GENERAL NOTES FOR MASTER LEGEND.

Matthew S. D'Angelo, State of Florida, Professional Engineer, License No. 91885 This item has been digitally signed and sealed by Matthew S. D'Angelo on the date indicated here. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies

REVISIONS	
1	4
2	5
3	6

AutoZone Store No. FL10562
NWC OF US-90 W &
NW FOREST MEADOWS AVE,
LAKE CITY, FLORIDA 32055
DEMOLITION PLAN

Owner / Developer: AUTOZONE STORES LLC
123 South Front Street, 3rd Floor
Memphis, Tennessee 38103
TEL:901-495-8709 FAX: (901) 495-8969
For Bidding & Contractor Information Contact:
Dodge Data & Analytics. Tel. 413-930-4215
Cindy.searcy@construction.com

MATTHEW S. D'ANGELO
FL P.E. No. 91885
09/21/22

5/28/2025

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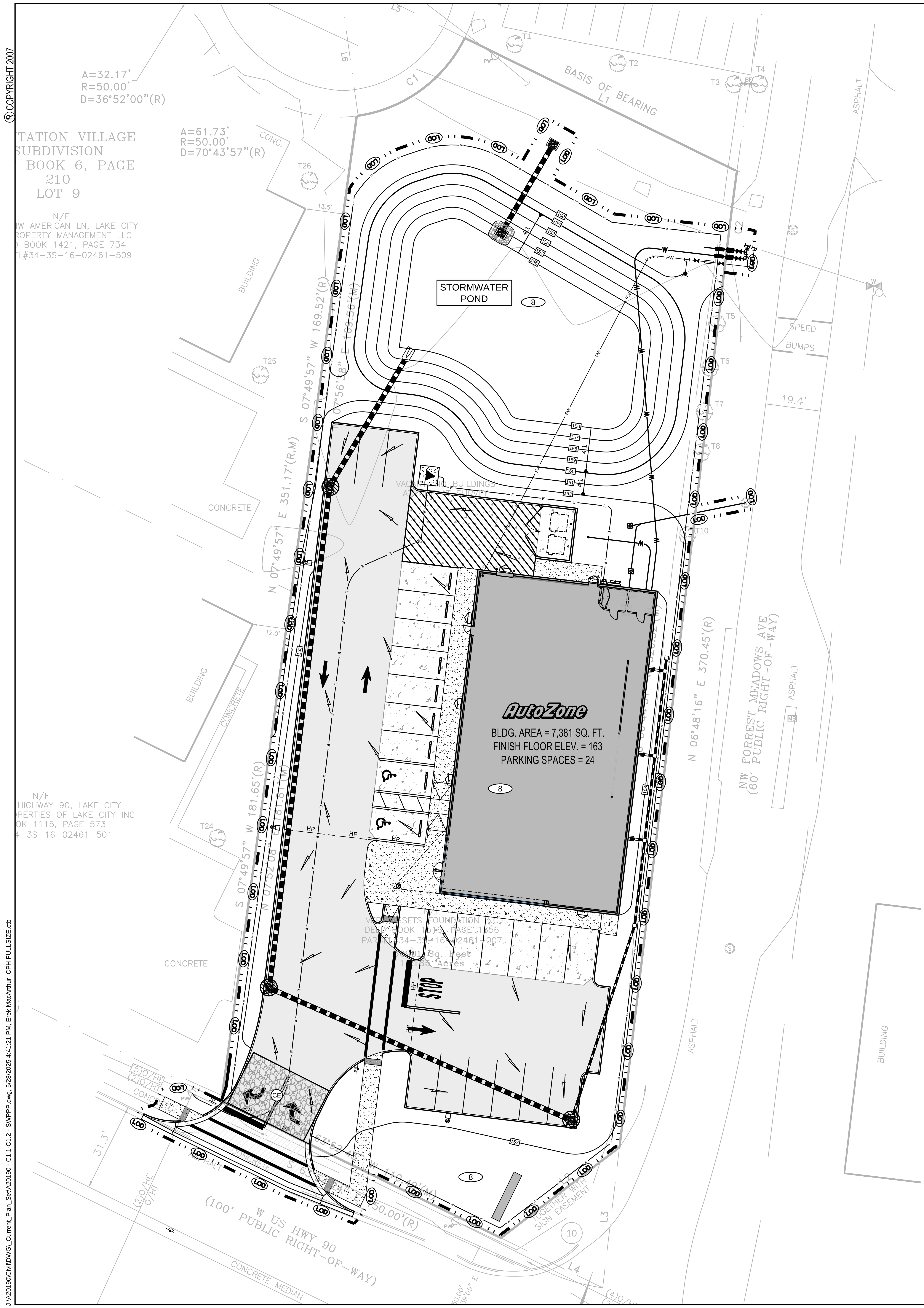

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Name (Operator and/or Responsible Authority

Date

Project Name and location information:

ACREAGE SUMMARY	
TOTAL SITE AREA	**1.22 A.C.**
TOTAL ON-SITE DISTURBED AREA	**1.12 A.C.**
TOTAL OFF-SITE DISTURBED AREA	**0.04 A.C.**
TOTAL DISTURBED AREA	**1.16 A.C.**

LEGEND:

- PROPERTY LINE
- LIMITS OF DISTURBANCE
- SILT FENCE PER STATE OF FLORIDA EROSION AND SEDIMENT CONTROL MANUAL (LATEST EDITION)
- INLET PROTECTION
- CONSTRUCTION ENTRANCE PER STATE OF FLORIDA EROSION AND SEDIMENT CONTROL MANUAL (LATEST EDITION)
- SOIL TYPE: BLANTON FINE SAND, 0 TO 5 PERCENT SLOPES
- FLOW ARROWS

Matthew S. D'Angelo, State of Florida, Professional Engineer, License No. 91885 This item has been digitally signed and sealed by Matthew S. D'Angelo on the date indicated here. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies

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AutoZone Store No. FL10562
NWC OF US-90 W &
NW FOREST MEADOWS AVE,
LAKE CITY, FLORIDA 32055

STORMWATER POLLUTION PREVENTION PLAN

Owner / Developer: AUTOZONE STORES LLC
123 South Front Street, 3rd Floor
Memphis, Tennessee 38103
TEL.:901-495-8709 FAX: (901) 495-8969

For Bidding & Contractor Information Contact:
Dodge Data & Analytics. Tel. 413-930-4215
Cindy.searcy@construction.com

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Graphic Scale in Feet (20 0 20 40)

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C1.1

STORMWATER POLLUTION PREVENTION NOTES

THESE PLANS HAVE BEEN PREPARED TO ASSIST THE CONTRACTOR IN OBTAINING COVERAGE UNDER THE FDEP GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW THE PERMIT REQUIREMENTS AND MODIFY THESE PLANS AS NEEDED TO BE IN COMPLIANCE WITH THE PERMIT REQUIREMENTS.

SITE DESCRIPTION

A. SITE LOCATION
THE SITE IS LOCATED AT THE NW CORNER OF US-90 W. & N.W. FOREST MEADOWS AVE,
LAKE CITY, FLORIDA 32055
SECTION 34, TOWNSHIP 3 SOUTH, RANGE 16 EAST
LATITUDE: 30°11'1.07"N LONGITUDE: 82°42'21.23"W

B. SITE CONDITIONS & ACTIVITIES NARRATIVE:
THE EXISTING CONDITION OF THE SITE IS UNDEVELOPED. DURING CONSTRUCTION THE SITE WILL BE CLEARED AND GRUBBED. THIS PROJECT WILL HAVE NO MAJOR EFFECT ON ANY THE ABUTTING PROPERTIES.

WETLANDS/BUFFERS

NO WETLANDS ARE WITHIN OR ADJACENT TO THE PROPOSED DEVELOPMENT AREA.

SWPPP INTENT

THE INTENT OF THIS SWPPP IS TO COMPLY WITH THE INTENT OF THE GENERIC PERMIT AND TO PREVENT THE RELEASE OF SOILS, TRASH, CHEMICALS, TOXINS AND OTHER POLLUTANTS, BY WATER , AIR, VEHICLE TRANSPORT OR OTHER MEANS THAT CAN IMPACT STORM WATER QUALITY. THE CONTRACTOR SHALL OBTAIN A COPY OF THE GENERIC PERMIT AND RETAIN ON-SITE FOR FUTURE REFERENCE. THE CONTRACTOR SHALL READ AND UNDERSTAND THE PERMIT, AND ENSURE THAT THE BMP'S ARE INSTALLED AND THE EXECUTION OF THE WORK IS PERFORMED TO MEET THE INTENT OF THE GENERIC PERMIT AND THE SWPPP.

POTENTIAL SOURCES OF POLLUTION

THE POTENTIAL SOURCES OF POLLUTION THAT MAY REASONABLY BE EXPECTED TO AFFECT THE QUALITY OF STORM WATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITY INCLUDE: SEDIMENT, PESTICIDES, FERTILIZER, PLASTER, CLEANING SOLVENTS, ASPHALT, CONCRETE, GLUE, ADHESIVES, PAINTS, CURING COMPOUNDS, WOOD PRESERVATIVES, HYDRAULIC OIL FLUIDS, GASOLINE, DIESEL FUEL AND KEROSENE.

SEQUENCE OF CONSTRUCTION

THE SEQUENCE OF CONSTRUCTION HAS BEEN DEVELOPED AS A GUIDE FOR THE CONTRACTOR. THE CONTRACTOR SHALL SEQUENCE THE CONSTRUCTION AS NEEDED BASED ON BEST MEANS AND METHODS IN ORDER TO BE IN COMPLIANCE WITH STATE AND LOCAL REQUIREMENTS. THE INSTALLATION OR REMOVAL OF BMPS, EARTH DISTURBANCE, GRADING, TEMPORARY STABILIZATION AND PERMANENT STABILIZATION SHALL BE IMMEDIATELY NOTED IN THE SWPPP IMPLEMENTATION LOG. ALL TEMPORARY BMPS SHALL BE REPAIRED AND MAINTAINED UNTIL STABILIZATION HAS OCCURRED AND THERE IS NO RISK OF DISCHARGE. TEMPORARILY SEED, IMMEDIATELY AND THROUGHOUT CONSTRUCTION, DENUDED AREAS THAT WILL BE INACTIVE FOR 7 DAYS OR MORE. PERMANENTLY STABILIZE AREAS TO BE VEGETATED AS THEY ARE BROUGHT TO FINAL GRADE.

1. POST A COPY OF THE NOI OR LETTER FROM FDEP CONFIRMING COVERAGE UNDER THE GENERIC PERMIT, AND THE NAME AND PHONE NUMBER OF THE CONTRACTOR'S REPRESENTATIVE RESPONSIBLE FOR EROSION AND SEDIMENTATION CONTROL INSTALLATION AND MAINTENANCE ON A 24 HOUR BASIS.
2. INSTALL PERIMETER CONTROLS IMMEDIATELY DOWNSTREAM OF THE PLANNED LOCATION OF THE CONSTRUCTION EXIT.
3. INSTALL STABILIZED CONSTRUCTION EXIT.
4. INSTALL PERMITER CONTROLS. THE CONTRACTOR SHALL INSTALL THE REMAINING BMPS AS SHOWN AND AS REQUIRED TO MEET PERMIT REQUIREMENTS. SOME BMP INSTALLATIONS MAY NOT BE POSSIBLE AT THE BEGINNING OF THE PROJECT BUT MUST BE INSTALLED AS SOON AS POSSIBLE TO ENSURE COMPLIANCE.
5. INSTALL TEMPORARY STAGING AND STORAGE AREAS.
6. CONSTRUCT AND STABILIZE THE SEDIMENT BASINS AND SEDIMENT TRAPS WITH APPROPRIATE OUTFALL STRUCTURES, IF REQUIRED.
7. CONSTRUCT AND STABILIZE HYDRAULIC CONTROLS (DITCHES, SWALES, DIKES, CHECK DAMS, ETC.), IF REQUIRED.
8. BEGIN DEMOLITION, CLEARING AND GRUBBING OPERATIONS AS APPLICABLE.
9. BEGIN CONSTRUCTION OF SITE IMPROVEMENTS.
10. PAVE SITE AND STABILIZE PER PLAN.
11. REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES AFTER SITE HAS ACHIEVED FINAL STABILIZATION.
12. SUBMIT NOTICE OF TERMINATION (NOT) ONCE ALL CONSTRUCTION IS COMPLETE AND ALL AREAS ARE STABILIZED PER PLAN.

GENERAL NOTES

A. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FILE "NOTICE OF INTENT TO USE GENERIC PERMIT FOR STORMWATER DISCHARGE FROM CONSTRUCTION ACTIVITIES" (DEP FORM 62-621.300(4)(B) OR LATEST VERSION) TO FDEP TO THE FOLLOWING ADDRESS OR THROUGH THE FDEP ON-LINE SYSTEM AT LEAST TWO (2) DAYS BEFORE COMMENCEMENT OF CONSTRUCTION:

NPDES STORMWATER NOTICES CENTER, MS #2510 FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION, 2600 BLAIR STONE ROAD, TALLAHASSEE, FLORIDA 32399-2400

THE CONTRACTOR SHALL SUBMIT A NOTICE OF TERMINATION (NOT) WITHIN 14 CALENDAR DAYS AFTER THE SITE HAS ACHIEVED FINAL STABILIZATION (I.E. ALL DISTURBED SOILS AT THE SITE HAVE BEEN FINAL STABILIZED), TEMPORARY BMPS HAVE BEEN REMOVED, AND STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY FROM THE SITE AUTHORIZED BY THE PERMIT HAVE BEEN ELIMINATED.

AN ENVIRONMENTAL RESOURCE PERMIT IS REQUIRED FOR THE PROJECT. CONTRACTOR SHALL PROVIDE THE PERMIT INFORMATION ON THE NOI APPLICATION.
THE CONTRACTOR SHALL PROVIDE A COPY OF THE NOI AND SUBSEQUENT NOT OR THE ACKNOWLEDGEMENT LETTERS FOR THE NOI OR NOT TO THE MS4 WITHIN 7 DAYS OF RECEIPT. THE CONTRACTOR SHALL ALSO COORDINATE WITH THE MS4 TO ENSURE THAT ALL SPECIFIC REQUIREMENTS ARE MET.

B. WHERE PRACTICAL, STORMWATER SHALL BE CONVEYED BY SWALES. SWALES SHALL BE CONSTRUCTED AS SHOWN ON PLANS.

C. EROSION CONTROL MEASURES SHALL BE EMPLOYED TO MINIMIZE TURBIDITY OF SURFACE WATERS LOCATED DOWNSTREAM OF ANY CONSTRUCTION ACTIVITY. WHILE THE VARIOUS MEASURES REQUIRED WILL BE SITE SPECIFIC, THEY SHALL BE EMPLOYED AS NEEDED IN ACCORDANCE WITH THE FOLLOWING:
I. IN GENERAL, EROSION SHALL BE CONTROLLED AT THE FURTHEST PRACTICAL UPSTREAM LOCATION.
II. NEW AND EXISTING STORMWATER INLETS AND OUTFALL STRUCTURES SHALL BE PROTECTED DURING CONSTRUCTION. PROTECTION MEASURES SHALL BE EMPLOYED IMMEDIATELY AS REQUIRED DURING THE VARIOUS STAGES OF CONSTRUCTION.
III. PERIMETER EROSION CONTROL DEVICES SHALL REMAIN IN PLACE UNTIL FINAL SITE STABILIZATION HAS BEEN ESTABLISHED

D. CLEARING AND GRUBBING OPERATIONS SHALL BE CONTROLLED SO AS TO MINIMIZE UNPROTECTED ERODIBLE AREAS EXPOSED TO WEATHER. GENERAL EROSION CONTROL BMP'S SHALL BE EMPLOYED TO MINIMIZE SOIL EROSION AND OFF-SITE SEDIMENTATION. WHILE THE VARIOUS TECHNIQUES REQUIRED WILL BE SITE AND PLAN SPECIFIC, THEY SHOULD BE EMPLOYED PRIOR TO ANY CONSTRUCTION ACTIVITY.

E. THE CONTRACTOR SHALL FURNISH, INSTALL PER THE SEQUENCE OF CONSTRUCTION, MAINTAIN AND SUBSEQUENTLY REMOVE, ALL NECESSARY TEMPORARY BMPS. THE CONTRACTOR WILL FURNISH AND INSTALL ALL NECESSARY PERMANENT BMPS.

F. THE CONTRACTOR SHALL ADJUST, ADD OR MODIFY BMPS AS NECESSARY TO COMPLY WITH THE INTENT OF THE GENERIC NPDES PERMIT AND THE SWPPP FOR NO ADDITIONAL COMPENSATION. THE CONTRACTOR SHALL CONSULT WITH THE ENGINEER PRIOR TO ADJUSTING, ADDING OR MODIFYING BMPS THAT AFFECT THE HYDRAULICS OF THE SITE OR BEFORE ADDING BMPS NOT DETAILED IN THE SWPPP.

G. THE CONTRACTOR IS ADVISED THAT THE CONTRACT DRAWINGS ONLY INDICATE EROSION, SEDIMENT, AND TURBIDITY CONTROLS AT LOCATIONS DETERMINED IN THE DESIGN PROCESS. HOWEVER, THE CONTRACTOR IS REQUIRED TO PROVIDE ANY ADDITIONAL CONTROLS NECESSARY TO PREVENT THE POSSIBILITY OF SILTING ANY ADJACENT LOWLAND PARCEL OR RECEIVING WATER.

H. EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO, OR AS THE FIRST STEP IN CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL EROSION CONTROL MEASURES SHOWN ON THE PLANS. THE EROSION CONTROL SYSTEM DESCRIBED WITHIN THE CONSTRUCTION DOCUMENTS SHOULD BE CONSIDERED TO REPRESENT THE MINIMUM ACCEPTABLE STANDARDS FOR THIS PROJECT. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED DEPENDENT UPON THE STAGE OF CONSTRUCTION, THE SEVERITY OF THE RAINFALL EVENT AND/OR AS DEEMED NECESSARY AS A RESULT OF ON-SITE INSPECTIONS BY THE OWNER, THEIR REPRESENTATIVES, OR THE APPLICABLE JURISDICTIONAL AUTHORITIES. THESE ADDITIONAL MEASURES (IF NEEDED) SHALL BE INSTALLED AT NO ADDITIONAL COST TO THE OWNER. IT SHOULD BE NOTED THAT THE MEASURES IDENTIFIED ON THIS PLAN ARE ONLY SUGGESTED BEST MANAGEMENT PRACTICES (BMPS). THE CONTRACTOR SHALL PROVIDE POLLUTION PREVENTION AND EROSION CONTROL MEASURES AS SPECIFIED IN FDOT INDEXES #100 THROUGH #102 AND AS NECESSARY FOR EACH SPECIFIC APPLICATION. IT IS THE CONTRACTOR'S ULTIMATE RESPONSIBILITY TO ASSURE THAT THE STORMWATER DISCHARGE FROM THE SITE DOES NOT EXCEED THE TOLERANCES ESTABLISHED BY ANY OF THE APPLICABLE JURISDICTIONAL AUTHORITIES.

I. THE CONTRACTOR SHALL KEEP THE SWPPP CURRENT AT ALL TIMES. THE CONTRACTOR SHALL SIGN AND DATE ANY CHANGES TO THE SWPPP AND KEEP THEM AS ATTACHMENTS TO THE ORIGINAL PLAN. WHENEVER ANY OF THE FOLLOWING EVENTS OCCUR, THE CONTRACTOR SHALL UPDATE THE SWPPP WITHIN 7 DAYS:

I. THERE IS A CHANGE IN DESIGN, CONSTRUCTION OPERATION OR MAINTENANCE THAT HAS A SIGNIFICANT EFFECT ON THE DISCHARGE FROM THE PROJECT
II. THERE IS A NEW DISCHARGE POINT OUR OUTFALL
III. THERE IS A CHANGE IN THE LOCATION OF A DISCHARGE POINT OF OUTFALL
IV. AN INSPECTION REVEALS THAT BMPS ARE INEFFECTIVE AT ELIMINATING OR MINIMIZING POLLUTANTS IN THE STORMWATER DISCHARGED FROM THE SITE.
V. THERE IS A NEW SUBCONTRACTOR IMPLEMENTING ANY PORTION OF THE SWPPP
VI. A RELEASE CONTAINING A HAZARDOUS SUBSTANCE IN AN AMOUNT EQUAL TO OR GREATER THAN A REPORTABLE QUANTITY OCCURS DURING A 24-HOUR PERIOD

J. THE CONTRACTOR SHALL ENSURE THAT THE CONTRACTOR AND ALL SUBCONTRACTORS RESPONSIBLE FOR IMPLEMENTING SWPPP CONTROL MEASURES FILL OUT THE CONTRACTOR / SUBCONTRACTOR CERTIFICATION TABLE INCLUDED IN THIS SWPPP.

K. THE CONTRACTOR SHALL COMPLETE THE CONSTRUCTION SEQUENCE TABLE INCLUDING IN THIS SWPPP PRIOR TO PROCEEDING WITH THE INSTALLATION OF BMPS AND PRIOR TO GROUND DISTURBING ACTIVITIES. THE CONTRACTOR SHALL COMPLETE THE TABLE WITH ANTICIPATED DATES IN WHICH THE BMP WILL BE UTILIZED OR THE ACTIVITY WILL OCCUR.

TURBIDITY

A. TURBIDITY REDUCTION TO NO MORE THAN 29 NTUs ABOVE BACKGROUND LEVEL PRIOR TO DISCHARGE OFF SITE.

B. CONTRACTOR TO FILE FOR A FDEP NOTICE OF INTENT (NOI) WITHIN 14 DAYS OF CONSTRUCTION COMPLETION.

CONSTRUCTION SEQUENCING TABLE

ANTICIPATED CONSTRUCTION SEQUENCE*	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
CONSTRUCTION ENTRANCE												
TEMPORARY CONTROL MEASURES												
STORM FACILITIES												
ROUGH GRADE / SEDIMENT CONTROL												
FOUNDATION / BUILDING CONSTRUCTION												
SITE CONSTRUCTION												
FINISH GRADING												
PERMANENT CONTROL MEASURES												

* THIS IS ONLY A GUIDE, CONTRACTOR IS TO USE HIS JUDGMENT TO MODIFY AS NEEDED.

STABILIZATION

A. STABILIZATION MEASURES SHALL BE INITIATED IMMEDIATELY IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED AND WILL REMAIN UNDISTURBED FOR 7 DAYS OR MORE. STABILIZE BY COVERING WITH ADEQUATE AMOUNTS OF MULCH OVER SEED AND PERIODICALLY WATER TO PROMOTE AND MAINTAIN GROWTH OF THE TEMPORARY GROUNDCOVER, OR BY THE USE OF AN APPROPRIATE ALTERNATIVE BMP.

B. PERMANENT SOIL EROSION CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES OR ANY DISTURBED LAND AREAS SHALL BE COMPLETED IMMEDIATELY AFTER FINAL GRADING. WHEN IT IS NOT POSSIBLE TO PERMANENTLY PROTECT A DISTURBED AREA IMMEDIATELY AFTER GRADING OPERATIONS, TEMPORARY EROSION CONTROL MEASURES SHALL BE INSTALLED. ALL TEMPORARY PROTECTION SHALL BE MAINTAINED UNTIL PERMANENT MEASURES ARE IN PLACE AND ESTABLISHED.

C. ALL GRASS SLOPES CONSTRUCTED STEEPER THAN 4H:1V SHALL BE SODDED IMMEDIATELY AFTER FINAL GRADE IS ESTABLISHED.

DUST CONTROL

A. BARE EARTH AREAS SHALL BE WATERED DURING CONSTRUCTION AS NECESSARY TO MINIMIZE THE TRANSPORT OF FUGITIVE DUST. IN NO CASE SHALL FUGITIVE DUST BE ALLOWED TO LEAVE THE SITE UNDER CONSTRUCTION.

B. AS REQUIRED AFTER COMPLETION OF CONSTRUCTION, BARE EARTH AREAS SHALL BE VEGETATED.

AT ANY TIME BOTH DURING AND AFTER SITE CONSTRUCTION THAT WATERING AND/OR VEGETATION ARE NOT EFFECTIVE IN CONTROLLING WIND EROSION AND/OR TRANSPORT OF FUGITIVE DUST, OTHER METHODS AS ARE NECESSARY FOR SUCH CONTROL SHALL BE EMPLOYED. THESE METHODS MAY INCLUDE ERECTION OF DUST CONTROL FENCES.

WASTE MANAGEMENT

A. THE CONTRACTOR SHALL ENSURE THAT ALL WASTE AND DEBRIS ARE MANAGED DAILY SUCH THAT THEY WILL NOT IMPACT STORMWATER OR LEAVE THE PERMITTED AREA, AND DISPOSED OF PROPERLY IN ACCORDANCE WITH APPLICABLE STATE, LOCAL AND FEDERAL REGULATIONS.

B. THE CONTRACTOR SHALL ENSURE THAT ALL CHEMICALS, OILS, FUELS, HAZARDOUS WASTE, UNIVERSAL WASTE AND TOXIC SUBSTANCES ARE PROPERLY MANAGED AND DISPOSED OF IN ACCORDANCE WITH APPLICABLE STATE, LOCAL AND FEDERAL REGULATIONS. THE CONTRACTOR SHALL ENSURE THAT WASTE IS NOT DISCHARGED FROM THE SITE, AND DOES NOT IMPACT STORMWATER OR GROUNDWATER.

C. THE CONTRACTOR SHALL PROVIDE APPROPRIATE AND ADEQUATE WASHOUT FACILITIES TO ENSURE THAT CHEMICALS AND WASTE IS NOT DISCHARGED FROM THE SITE, AND DO NOT IMPACT STORMWATER OR GROUNDWATER. (E.G. CONCRETE/MASONRY WASHOUT, PAINT WASHOUT, EIFS, ETC.) THE CONTRACTOR SHALL CLEAN UP SPILLS PROMPTLY AND ENSURE THAT WASHOUT AREAS ARE PROPERLY MAINTAINED TO PROVIDE ADEQUATE VOLUME TO PREVENT OVERFLOW.

D. THE CONTRACTOR SHALL PROVIDE ADEQUATE SANITARY FACILITIES FOR SITE PERSONNEL, MAINTAIN THROUGHOUT CONSTRUCTION, AND PROVIDE FOR PROPER DISPOSAL IN ACCORDANCE WITH APPLICABLE STATE, LOCAL AND FEDERAL REGULATIONS. SANITARY FACILITIES SHALL BE PROPERLY SECURED TO PREVENT TIPPING.

E. A SPILL CONTROL AND CONTAINMENT KIT (CONTAINING FOR EXAMPLE, ABSORBENT MATERIAL SUCH AS KITTY LITTER OR SAWDUST, ACID, BASE, NEUTRALIZING AGENT, BROOMS, DUST PANS, MOPS, RAGS, GLOVES, GOGGLES, PLASTIC AND METAL TRASH CONTAINERS, ETC.) SHALL BE PROVIDED AT THE CONSTRUCTION SITE AND IT'S LOCATION(S) SHALL BE IDENTIFIED WITH LEGIBLE SIGNAGEAND SHOWN ON THE SITE MAPS.
A. THE SPILL CONTROL AND CONTAINMENT KIT SHALL BE OF SUFFICIENT QUANTITIES AND APPROPRIATE CONTENT TO CONTAIN A SPILL FROM THE LARGEST ANTICIPATED PIECE OF EQUIPMENT AND FROM THE LARGEST ANTICIPATED QUANTITIES OF PRODUCTS STORED ON THE SITE AT ANY GIVEN TIME.

F. WHEN A SPILL OF REPORTABLE QUANTITIES IS DISCOVERED ON THE SITE, THE CONTRACTOR SHALL CLEAN UP ALL SPILLED MATERIALS AND DISPOSE OF IN ACCORDANCE WITH APPLICABLE LAWS AND REGULATIONS. THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE AUTHORITIES IN ACCORDANCE WITH APPLICABLE LAWS AND REGULATIONS, THE OWNER AND PROJECT ENGINEER. THE CONTRACTOR SHALL RETAIN CLEANUP INFORMATION AS WELL AS DISPOSAL MANIFESTS WITH THEIR SWPPP.

MATERIALS MANAGEMENT, AND EQUIPMENT STAGING AND MAINTENANCE

A. EXCAVATED MATERIAL SHALL NOT BE DEPOSITED IN LOCATIONS WHERE IT COULD BE WASHED AWAY BY HIGH WATER OR STORM WATER RUNOFF. STOCKPILED MATERIAL SHALL BE COVERED OR ENCIRCLED WITH SEDIMENT CONTAINMENT DEVICES.

B. HEAVY CONSTRUCTION EQUIPMENT PARKING AND MAINTENANCE AREAS SHALL BE DESIGNED TO PREVENT OIL, GREASE, AND LUBRICANTS FROM ENTERING SITE DRAINAGE FEATURES INCLUDING STORMWATER COLLECTION AND TREATMENT SYSTEMS. CONTRACTORS SHALL PROVIDE BROAD DIKES OR SILT SCREENS AROUND, AND SEDIMENT SUMPS WITHIN, SUCH AREAS AS REQUIRED TO CONTAIN SPILLS OR OIL, GREASE, LUBRICANTS, OR OTHER CONTAMINANTS. CONTRACTOR SHALL HAVE AVAILABLE, AND SHALL USE, ABSORBENT FILTER PADS TO CLEAN UP SPILLS IMMEDIATELY AFTER ANY OCCURRENCE.

C. THE CONTRACTOR SHALL ENSURE THAT ALL TOXIC / HAZARDOUS SUBSTANCES AND CHEMICALS ARE PROPERLY STORED, OUT OF THE WEATHER, AND USED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. THE CONTRACTOR SHALL ENSURE THAT THESE PRODUCTS ARE STORED AND USED IN SUCH A MANNER THAT WILL NOT NEGATIVELY IMPACT STORMWATER, GROUNDWATER OR PROTECTED SPECIES.

D. THE CONTRACTOR SHALL ENSURE THAT ALL MATERIALS, EQUIPMENT, DEBRIS, WASTE, TRAILERS, AND OTHER SUPPORT RELATED ITEMS ARE CONTAINED WITHIN THE PERMITTED LIMITS OF DISTURBANCE. THE CONTRACTOR SHALL ENSURE THAT THE STORAGE AND USE OF SUCH ITEMS DOES NOT NEGATIVELY IMPACT STORMWATER OR GROUNDWATER.

OFFSITE VEHICLE TRACKING

A. THE CONTRACTOR SHALL ENSURE THAT THE CONSTRUCTION EXIT IS USED BY ALL VEHICLES AND EQUIPMENT ENTERING OR LEAVING THE JOBSITE. THE CONTRACTOR SHALL MONITOR AND MAINTAIN THE CONSTRUCTION EXIT TO ENSURE THAT NO SOILS ARE TRACKED OFFSITE BY TIRES OR TRACKS, AND THAT NO SOILS ARE SPILLED BY TRUCKS OR EQUIPMENT LEAVING THE SITE. ALL TRACKED OR SPILLED SOILS SHALL BE SHOVELED OR SWEPT FROM THE ROADWAY AND RETURNED TO THE SITE. WATER SHALL NOT BE USED TO CLEAN THE SOILS FROM THE ROADWAY UNLESS THE WATER AND SOILS ARE RECOVERED BY THE USE OF A VACUUM TRUCK OR SIMILAR DEVICE.

FERTILIZERS, HERBICIDES AND PESTICIDES

A. THE CONTRACTOR SHALL ENSURE THAT ALL FERTILIZERS, HERBICIDES, PESTICIDES AND SIMILAR PRODUCTS ARE PROPERLY STORED, OUT OF THE WEATHER, AND APPLIED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. THE CONTRACTOR SHALL ENSURE THAT THESE PRODUCTS ARE USED IN SUCH A MANNER THAT WILL NOT NEGATIVELY IMPACT STORMWATER, GROUNDWATER OR PROTECTED SPECIES.

B. NUTRIENTS SHALL BE APPLIED ONLY AT RATES NECESSARY TO ESTABLISH AND MAINTAIN VEGETATION.

INSPECTIONS AND MAINTENANCE

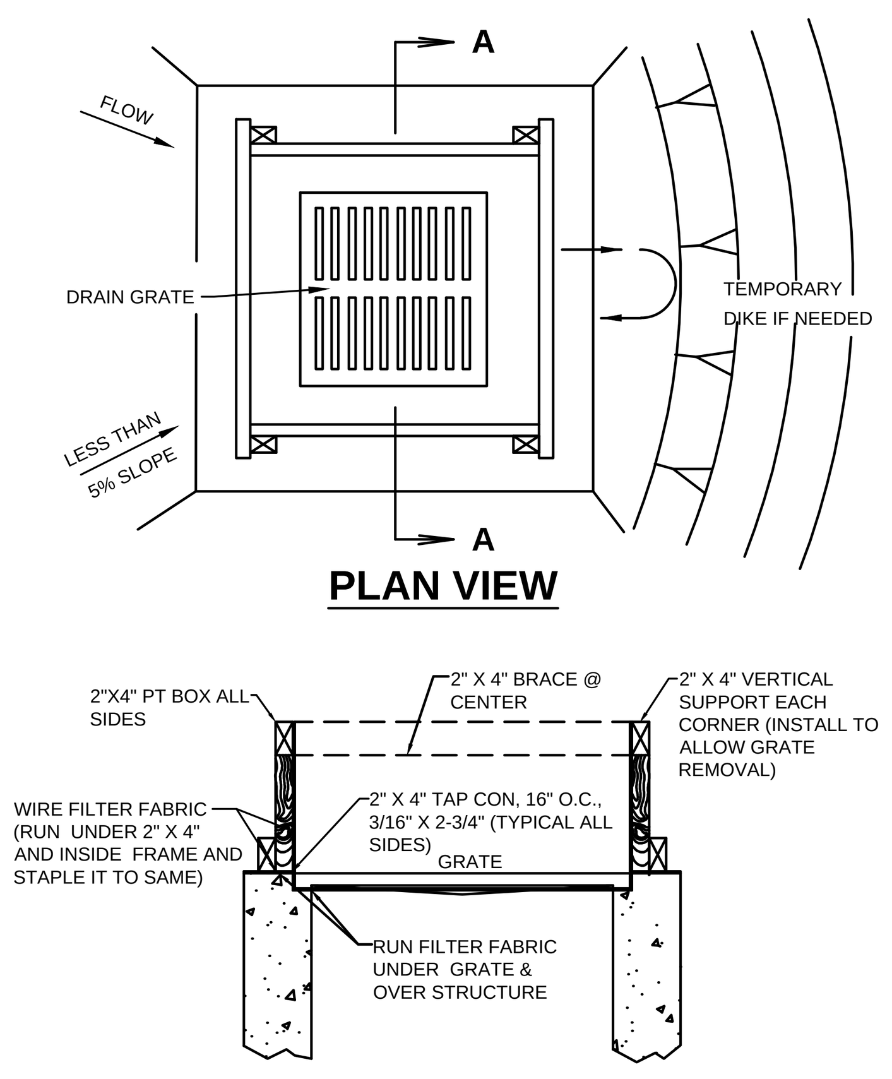
A. THE CONTRACTOR SHALL INSPECT BMPS (I.E. DISCHARGE LOCATIONS, CONSTRUCTION EXIT, PERIMETER CONTROLS, INLET PROTECTION, STABILIZATION, EROSION CONTROL, DOCUMENTATION, WASTE DISPOSAL AREAS, MATERIAL STORAGE AREAS, ETC.) TO ENSURE THAT BMPS ARE NOT CAUSING OR CONTRIBUTION TO VIOLATIONS OF WATER QUALITY STANDARDS OR RESULTING IN OFFSITE SEDIMENTATION; ENSURE THAT BMPS ARE INSTALLED, MAINTAINED AND OPERATING CORRECTLY AND EFFECTIVELY; ENSURE THAT BMPS ASSOCIATED WITH STORAGE AND WASTE DISPOSAL AREAS ARE BEING USED AND MAINTAINED PROPERLY; ENSURE THAT THE CONSTRUCTION EXIT IS FUNCTION PROPERLY TO PREVENT OFFSITE TRACKING OF SEDIMENT; ENSURE THAT EROSION PREVENTION MEASURES ARE MAINTAINED TO PREVENT VISIBLE EROSION OF DISTURBED AREAS AND SEDIMENTATION AT THE DISCHARGE POINTS; AND DETERMINE IF CONSTRUCTION ACTIVITIES HAVE ALTERED THE EFFECTIVENESS OF BMPS. INSPECTIONS MUST BE COMPLETED AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS, AND WITHIN 24 HOURS AFTER A RAINSTORM OF 0.50 INCHES OR GREATER EVEN IF IT RAINS ON THE WEEKEND OR A HOLIDAY.

B. THE CONTRACTOR SHALL REPORT ALL INSPECTION FINDINGS AND CORRECTIVE ACTIONS TAKEN AS A RESULT OF THE INSPECTION USING THE STORMWATER POLLUTION PREVENTION PLAN INSPECTION REPORT FORM PROVIDED BY FDEP OR AN EQUIVALENT FORM. INSPECTION REPORTS SHALL BE SIGNED BY THE INSPECTOR AND A RESPONSIBLE AUTHORITY AS DEFINED BY THE PERMIT. INSPECTION REPORTS SHALL BE MAINTAINED WITH THE SWPPP. THE INSPECTOR MUST BE A QUALIFIED EROSION AND SEDIMENT CONTROL INSPECTOR AS DEFINED BY THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION.

C. ANY MAINTENANCE, REPAIR AND NECESSARY REVISIONS TO BMP ITEMS SHALL BE ADDRESSED IN A TIMELY MANNER, BUT IN NO CASE LATER THAN 7 CALENDAR DAYS FOLLOWING THE INSPECTION OR IDENTIFICATION OF THE ISSUE. UNLESS OTHERWISE SPECIFIED, ACCUMULATED SEDIMENTS SHOULD BE REMOVED BEFORE THEY REACH ONE-HALF OF THE CAPACITY OF THE CONTROL DEVICE.

ALLOWABLE NON-STORMWATER DISCHARGES

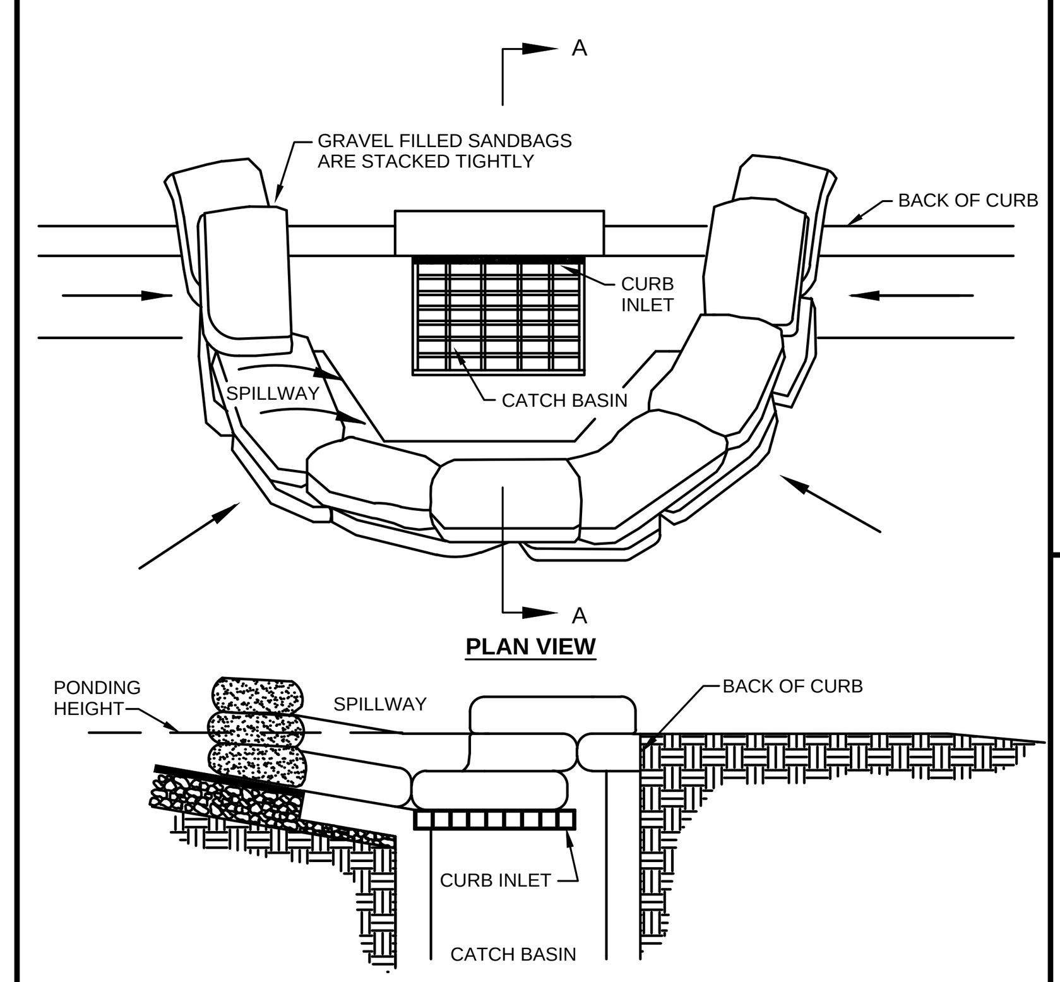
THE GENERIC PERMIT FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITIES PROHIBIT MOST NON-STORMWATER DISCHARGES DURING THE CONSTRUCTION PHASE. CERTAIN DISCHARGES ARE ALLOWED BY THE PERMIT, PROVIDED APPROPRIATE BMP'S ARE UTILIZED AND THE DISCHARGE DOES NOT CAUSE OR CONTRIBUTE TO A VIOLATION OF WATER QUALITY STANDARDS. ALLOWABLE NON-STORMWATER DISCHARGES THAT OCCUR DURING CONSTRUCTION ON THIS PROJECT PER PART 3.2 OF THE GENERIC PERMIT ARE:
DISCHARGES FROM FIRE FIGHTING ACTIVITIES.
FIRE HYDRANT FLUSHINGS.
WATERS WITHOUT DETERGENTS USED TO SPRAY OFF LOOSE SOLIDS FROM VEHICLES.
WATERS USED TO CONTROL DUST.
POTABLE WATER SOURCES SUCH AS WATERLINE FLUSHINGS.
LANDSCAPE IRRIGATION AND DRAINAGE.
ROUTINE EXTERNAL BUILDING WASHDOWN PROVIDED NO DETERGENTS ARE USED.
PAVEMENT WASHWATERS THAT DO NOT CONTAIN DETERGENTS, LEAKS, SPILLS OF TOXIC OR HAZARDOUS MATERIALS.
AIR CONDITIONING CONDENSATE.
SPRING WATER.
FOUNDATION OR FOOTING DRAIN FLOWS THAT ARE NOT CONTAMINATED WITH PROCESS MATERIAL SUCH AS SOLVENTS.
NONCONTAMINATED GROUND WATER ASSOCIATED WITH DEWATERING ACTIVITIES AS DESCRIBED IN PART 3.4 OF THE GENERIC PERMIT.



NOTES:
1. DROP INLET SEDIMENT BARRIERS ARE TO BE USED FOR SMALL, NEARLY LEVEL DRAINAGE AREAS. (LESS THAN 5%).
2. THE TOP OF THE FRAME (PONDING HEIGHT) MUST BE WELL BELOW THE GROUND ELEVATION DOWNSLOPE TO PREVENT RUNOFF FROM BYPASSING THE INLET. A TEMPORARY DIKE MAY BE NECESSARY ON THE DOWNSLOPE SIDE OF THE STRUCTURE.
3. FASTEN FRAMING TO STRUCTURE TO ALLOW GRATE REMOVAL.
4. LEAVE EXPOSED EDGE TO ALLOW FOR PAVING TO GRADE

FILTER FABRIC INLET PROTECTION DETAIL
N.T.S.

NOTE:
AVOID USING IN TRAFFIC AREAS AS THIS CAN CAUSE A HAZARD.

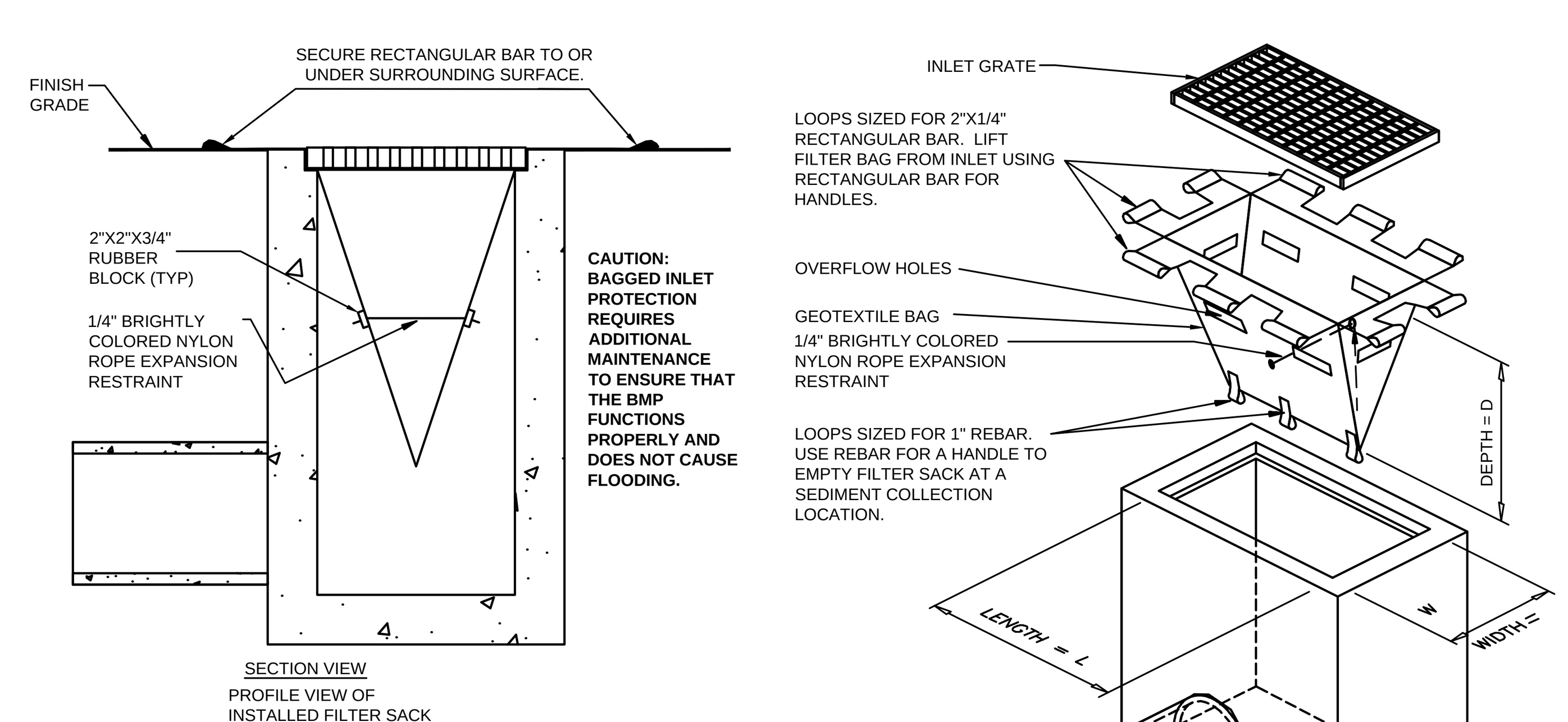


NOTES:
1. PLACE CURB TYPE SEDIMENT BARRIERS ON GENTLY SLOPING STREET SEGMENTS WHERE WATER CAN POND AND ALLOW SEDIMENT TO SEPARATE FROM RUNOFF.
2. SANDBAGS OF EITHER BURLAP OR WOVEN GEOTEXTILE FABRIC, ARE FILLED WITH GRAVEL, LAYERED AND PACKED TIGHTLY.
3. LEAVE ONE SANDBAG GAP IN THE TOP ROW TO PROVIDE A SPILLWAY FOR OVERFLOW.
4. INSPECT BARRIERS AND REMOVE SEDIMENT AS NECESSARY. SEDIMENT AND GRAVEL MUST BE REMOVED FROM THE TRAVELED WAY IMMEDIATELY.

CURB INLET PROTECTION DETAIL
N.T.S.

1. REMOVE TRAPPED SEDIMENT WHEN BRIGHTLY COLORED EXPANSION RESTRAINT CAN NO LONGER BE SEEN.
2. GEOTEXTILE SHALL BE A WOVEN POLYPROPYLENE FABRIC THAT MEETS OR EXCEEDS REQUIREMENTS IN THE SPECIFICATIONS TABLE.
3. PLACE AN OIL ADSORBENT PAD OR PILLOW OVER INLET GRATE WHEN OIL SPILLS ARE A CONCERN.
4. INSPECT PER REGULATORY EQUIREMENTS.
5. THE WIDTH, "W", OF THE FILTER SACK SHALL MATCH THE INSIDE WIDTH OF THE GRATED INLET BOX.
6. THE DEPTH, "D", OF THE FILTER SACK SHALL BE BETWEEN 18 INCHES AND 36 INCHES.
7. THE LENGTH, "L", OF THE FILTER SACK SHALL MATCH THE INSIDE LENGTH OF THE GRATED INLET BOX.
8. EXTRA CARE SHALL BE TAKEN TO ENSURE REGULAR MAINTENANCE OF FILTER SACKS USED IN RIGHT OF WAY TO ENSURE ADEQUATE DRAINAGE CAPACITY.

LOW TO MODERATE FLOW GEOTEXTILE FABRIC SPECIFICATION TABLE		
PROPERTIES	TEST METHOD	UNITS
GRAB TENSILE STRENGTH	ASTM D-4632	300 LBS
GRAB TENSILE ELONGATION	ASTM D-4632	20 %
PUNCTURE	ASTM D-4833	120 LBS
MULLEN BURST	ASTM D-3786	800 PSI
TRAPEZOID TEAR	ASTM D-4533	120 LBS
UV RESISTANCE	ASTM D-4355	80 %
APPARENT OPENING SIZE	ASTM D-4751	40 US SIEVE
FLOW RATE	ASTM D-4491	40 GAL/MIN/SQ FT
PERMITTIVITY	ASTM D-4491	0.55 SEC -1
MODERATE TO HIGH FLOW GEOTEXTILE FABRIC SPECIFICATION TABLE		
PROPERTIES	TEST METHOD	UNITS
GRAB TENSILE STRENGTH	ASTM D-4632	265 LBS
GRAB TENSILE ELONGATION	ASTM D-4632	20 %
PUNCTURE	ASTM D-4833	135 LBS
MULLEN BURST	ASTM D-3786	420 PSI
TRAPEZOID TEAR	ASTM D-4533	45 LBS
UV RESISTANCE	ASTM D-4355	90 %
APPARENT OPENING SIZE	ASTM D-4751	20 US SIEVE
FLOW RATE	ASTM D-4491	200 GAL/MIN/SQ FT
PERMITTIVITY	ASTM D-4491	1.5 SEC -1



CAUTION: BAGGED INLET PROTECTION REQUIRES ADDITIONAL MAINTENANCE TO ENSURE THAT THE BMP FUNCTIONS PROPERLY AND DOES NOT CAUSE FLOODING.

GEOTEXTILE BAG INLET PROTECTION DETAIL
N.T.S.

CONTRACTOR / SUBCONTRACTOR CERTIFICATION TABLE

THIS SWPPP MUST CLEARLY IDENTIFY, FOR EACH MEASURE IDENTIFIED WITHIN THE SWPPP, THE CONTRACTOR(S) OR SUBCONTRACTOR(S) WHO WILL IMPLEMENT EACH MEASURE. ALL CONTRACTOR(S) AND SUBCONTRACTOR(S) IDENTIFIED IN THE SWPPP MUST SIGN THE FOLLOWING CERTIFICATION:

"I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND, AND SHALL COMPLY WITH, THE TERMS AND CONDITIONS OF THE STATE OF FLORIDA GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES AND THIS STORMWATER POLLUTION PREVENTION PLAN."

Name / Signature	Title	Company Name, Address and Phone Number	Date

NOTE: CONTRACTOR TO ADD SHEETS TO CERTIFICATION TABLE AS NECESSARY.

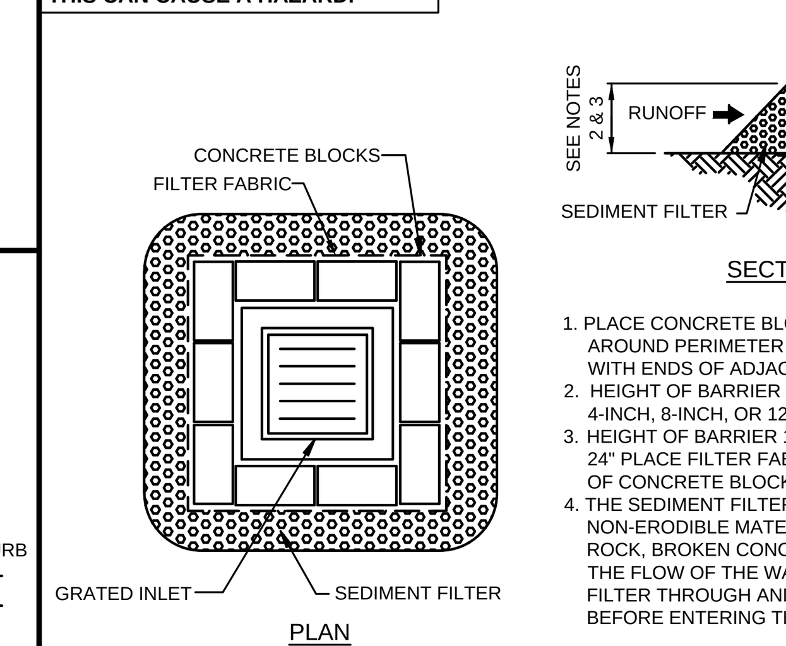
SWPPP IMPLEMENTATION LOG

A RECORD OF DATES WHEN BMPs ARE INSTALLED OR REMOVED, STABILIZATION MEASURES ARE INITIATED, MAJOR GRADING ACTIVITIES OCCUR, AND CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE ON PORTIONS OF THE SITE. THIS FORM MUST BE UPDATED CONTINUOUSLY THROUGHOUT THE PROJECT UNTIL THE NOTICE OF TERMINATION (NOT) IS FILED.

DESCRIPTION OF ACTIVITY	LOCATION	CONTRACTOR	BEGIN DATE	END DATE

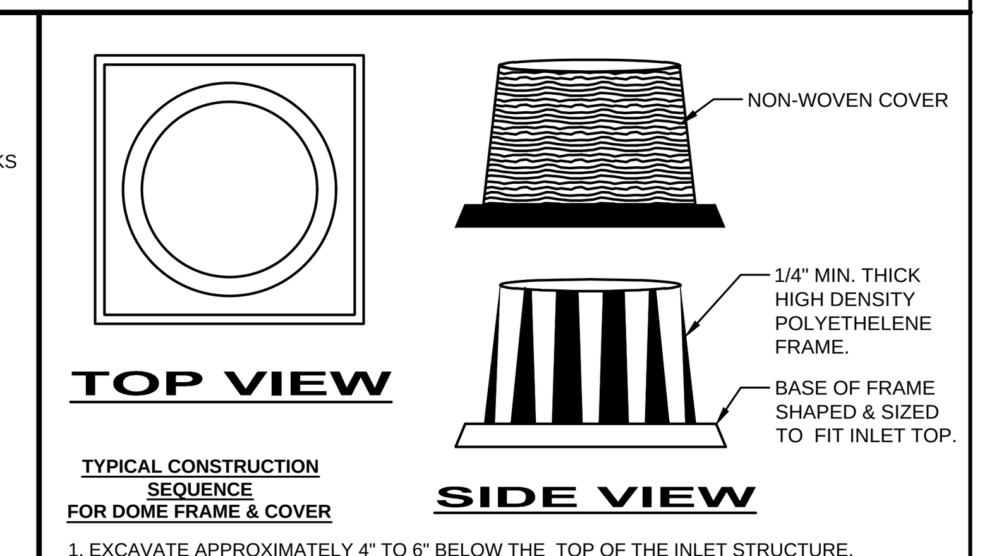
NOTE: CONTRACTOR TO ADD SHEETS TO THE SWPPP IMPLEMENTATION LOG AS NECESSARY.

NOTE:
AVOID USING IN TRAFFIC AREAS AS THIS CAN CAUSE A HAZARD.



1. PLACE CONCRETE BLOCKS IN A SINGLE ROW AROUND PERIMETER OF INLET ON THEIR SIDES, WITH ENDS OF ADJACENT BLOCKS ABUTTING.
2. HEIGHT OF BARRIER VARIES. USE STACKS OF 4-INCH, 8-INCH, OR 12" BLOCKS. MIN.
3. HEIGHT OF BARRIER 12" AND MAX. HEIGHT OF 24" PLACE FILTER FABRIC OVER VERTICAL FACE OF CONCRETE BLOCKS.
4. THE SEDIMENT FILTER SHALL BE ANY NON-ERODIBLE MATERIAL SUCH AS LOOSE ROCK, BROKEN CONCRETE THAT WILL SLOW THE FLOW OF THE WATER AND ALLOW IT TO FILTER THROUGH AND OVER THE MATERIAL BEFORE ENTERING THE INLET.

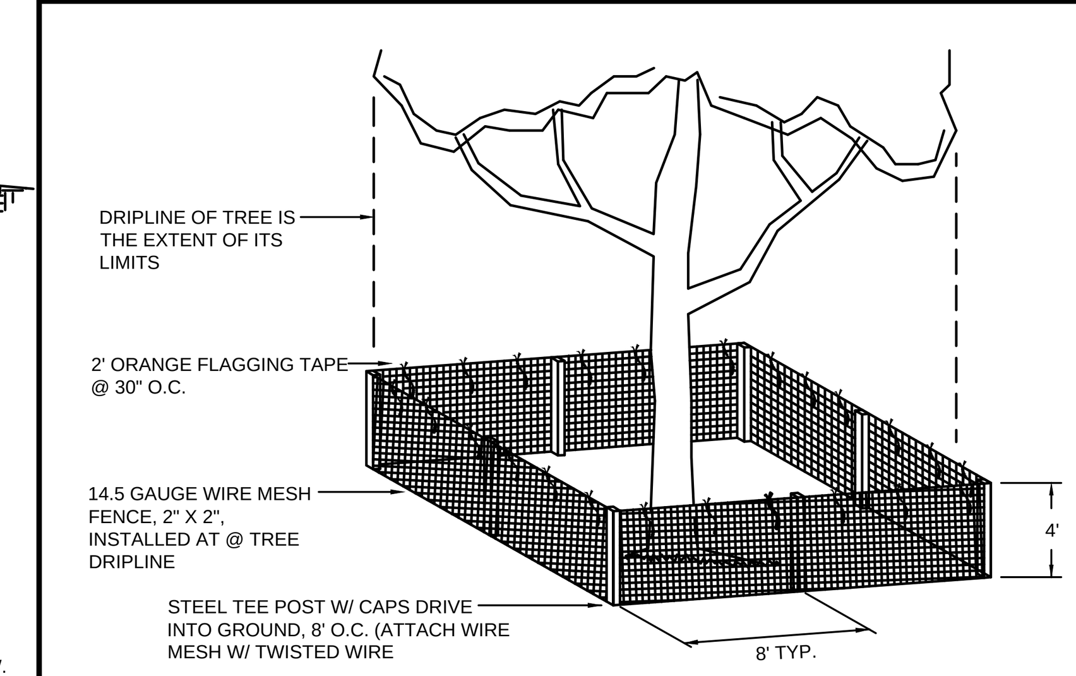
BLOCK AND AGGREGATE INLET SEDIMENT FILTER
N.T.S.



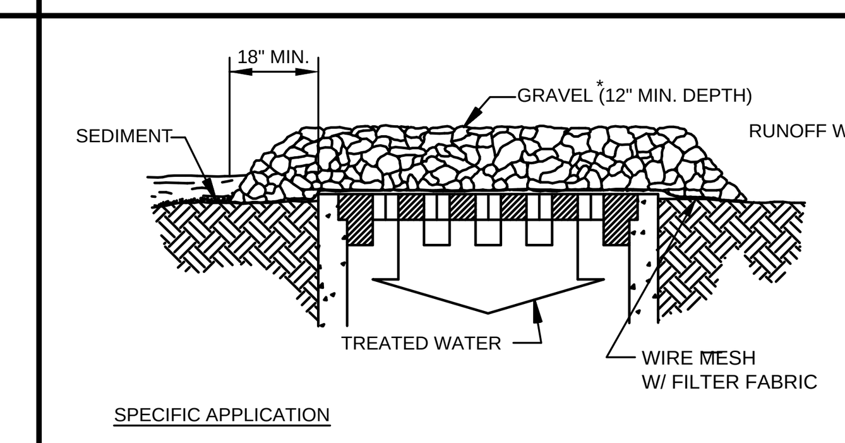
TYPICAL CONSTRUCTION SEQUENCE FOR DOME FRAME & COVER

1. EXCAVATE APPROXIMATELY 4" TO 6" BELOW THE TOP OF THE INLET STRUCTURE.
2. PLACE THE FRAME ONTO THE INLET STRUCTURE, ENSURING PROPER SEATING OF FRAME TO STRUCTURE.
3. SLIDE THE COVER OVER THE FRAME.
4. FILL THE COVER POCKETS WITH SOIL, #57 GRAVEL OR EQUIVALENT. THE COVER POCKETS SHOULD BE COMPLETELY FILLED TO ENSURE A GOOD SEAL BETWEEN THE GROUND AND INLET STRUCTURE.
5. BACK FILL AROUND THE FRAME AND COVER ASSEMBLY IS NOT REQUIRED TO COMPLETE INSTALLATION; HOWEVER, BACKFILLING MAY BE NECESSARY TO COMPLETE EXCAVATION REQUIREMENTS FOR THE SITE.

DOMED INLET PROTECTION (PREFABRICATED)
N.T.S.



TREE PROTECTION DETAIL
N.T.S.



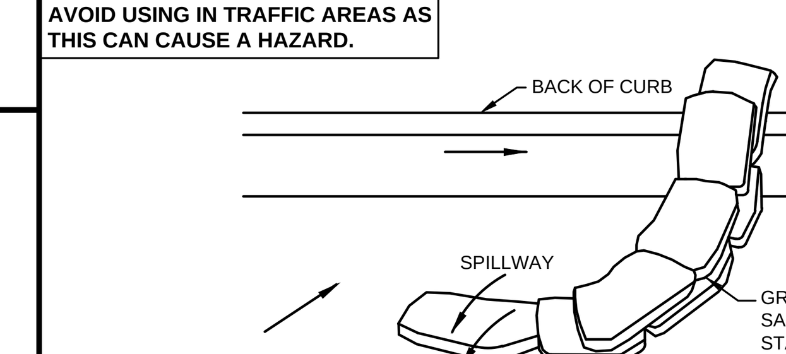
SPECIFIC APPLICATION

THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE HEAVY CONCENTRATED FLOWS ARE EXPECTED, BUT NOT WHERE PONDING AROUND THE STRUCTURE MIGHT CAUSE EXCESSIVE INCONVENIENCE OR DAMAGE TO ADJACENT STRUCTURES AND UNPROTECTED ACRES.

* GRAVEL SHALL BE 2"-3" CLEAN STONE

GRAVEL & WIRE MESH INLET SEDIMENT FILTER
N.T.S.

NOTE:
AVOID USING IN TRAFFIC AREAS AS THIS CAN CAUSE A HAZARD.

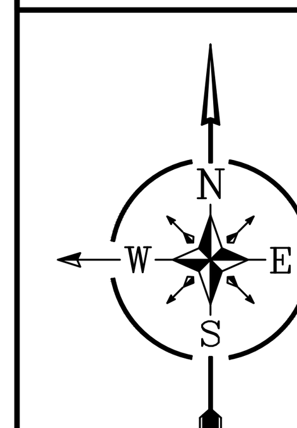


NOTES:
1. PLACE CURB TYPE SEDIMENT BARRIERS ON GENTLY SLOPING STREET SEGMENTS WHERE WATER CAN POND AND ALLOW SEDIMENT TO SEPARATE FROM RUNOFF.
2. SANDBAGS OF EITHER BURLAP OR WOVEN GEOTEXTILE FABRIC, ARE FILLED WITH GRAVEL, LAYERED AND PACKED TIGHTLY.
3. TAPER TO ONE SANDBAG TO PROVIDE A SPILLWAY FOR OVERFLOW.
4. INSPECT BARRIERS AND REMOVE SEDIMENT AS NECESSARY. SEDIMENT AND GRAVEL MUST BE REMOVED FROM THE TRAVELED WAY IMMEDIATELY.

CURB LINE PROTECTION DETAIL
N.T.S.

Stormwater Team		
Description	Name	Company
Contractor:		
Contractor's Responsible Authority:		
Qualified Inspector(s):		
Maintenance Personnel:		

The contractor shall complete this table identifying the individuals of the stormwater team and their responsibilities.



Plans Prepared By:
CPH, Inc.
5601 Mariner Street, Suite 105 Tampa, FL 33609
Ph: 813.288.0233
Eng. C.O.A. No. 3215 Arch. Lic. No. AA2600926
Survey L.B. No. 7143 Landscp. Lic. No. LC0000298
www.cphcorp.com

THIS SHEET NOT VALID FOR CONSTRUCTION WITHOUT COMPLETE SET OF PLANS. SEE GENERAL NOTES FOR MASTER LEGEND.

REVISIONS		
1		4
2		5
3		6

AutoZone Store No. FL10562
NWC OF US-90 W &
NW FOREST MEADOWS AVE,
LAKE CITY, FLORIDA 32055
STORMWATER POLLUTION PREVENTION PLAN

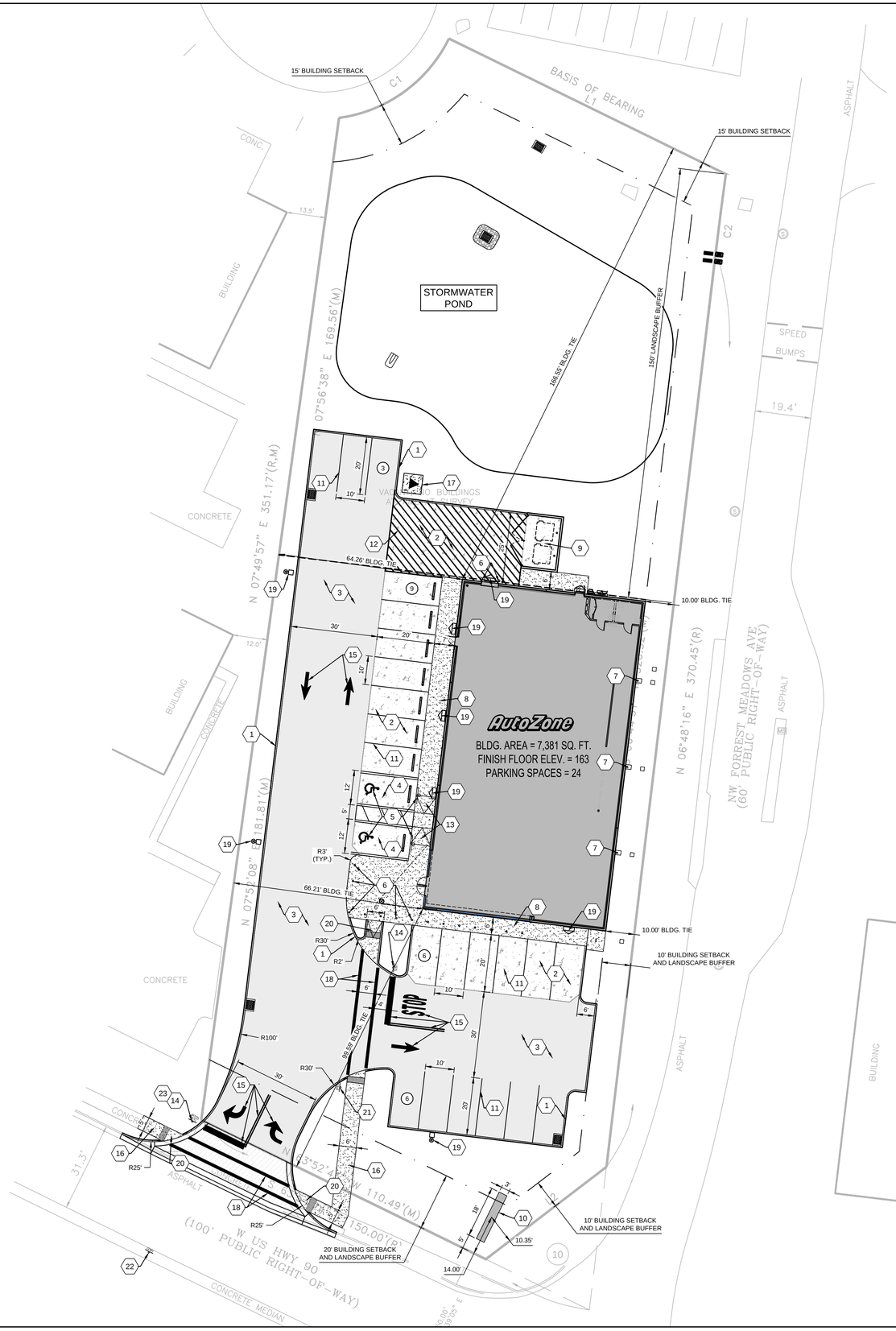
Owner / Developer: AUTOZONE STORES LLC
123 South Front Street, 3rd Floor
Memphis, Tennessee 38103
TEL.:901-495-8709 FAX: (901) 495-8969
For Bidding & Contractor Information Contact:
Dodge Data & Analytics. Tel. 413-930-4215
Cindy.searcy@construction.com

MATTHEW S. D'ANGELO
LICENSE
PROFESSIONAL ENGINEER
FLORIDA
MATHEW S. D'ANGELO
FL. P.E. No. 91885
09/21/22

5/28/2025

7N2

C1.2

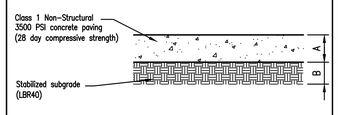


LEGEND:

- PROPERTY LINE
- BUILDING SETBACK LINE
- LANDSCAPE BUFFER LINE
- CONCRETE SIDEWALK
- CONCRETE. REF. GEOTECHNICAL REPORT
- STANDARD DUTY ASPHALT PAVEMENT. REF. GEOTECHNICAL REPORT FOR PAVEMENT SPECIFICATIONS
- FDOT CONCRETE IN R/W. SEE FDOT R/W PAVEMENT SECTION DETAIL THIS SHEET.
- (10) PARKING SPACE COUNT
- SIDEWALK CURB RAMP 1:12 SLOPE (MAX)
- (HC) HANDICAP (FTP-25) (12" X 18")
- (ST) STOP (R1-1) (36" X 36")
- (PE) PEDESTRIAN CROSSING (W11-2)
- (1W) ONE WAY (R6-1)
- (RTO) RIGHT TURN ONLY (R3-5R)

DIMENSION & TYPE

	A	B
Concrete Section		
Parking Areas	6"	24"



NO SCALE

FDOT R/W CONCRETE PAVEMENT SECTION

KEY NOTES:

1. CONCRETE CURB - SEE DETAILS 1 & 2/C5.1
2. CONCRETE PAVING - SEE DETAIL 4/C5.1 EXPANSION AND CONTROL JOINTS - SEE DETAILS 21 & 22/C5.1. MAXIMUM SPACING FOR CONTROL JOINTS IS 15'-0" O.C. EACH WAY.
3. ASPHALT PAVING - SEE DETAIL 5/C5.1
4. HANDICAP PARKING (IN ACCORDANCE WITH FDOT STANDARD PLANS 711-001) - SEE DETAILS 6 & 7/C5.1
5. HANDICAP PARKING SYMBOL AND SIGNAGE (IN ACCORDANCE WITH FDOT STANDARD PLANS 711-001) - SEE DETAIL 7, 12/C5.1
6. PIPE GUARD - SEE DETAILS 14, 15 & 16/C5.1
7. BUILDING ROOF DRAIN DOWN SPOUTS, SEE GRADING PLAN FOR CONNECTION. SEE DETAIL 25/C5.1
8. CONCRETE SIDEWALK, 2% MAXIMUM CROSS SLOPE, 5% MAXIMUM LONGITUDINAL SLOPE - SEE DETAIL 19 & 20/C5.1 FOR SIDEWALKS AROUND BUILDING.
9. MASONRY WALL DUMPSTER LAYOUT (REF. STRUCTURAL PLANS) - SEE DETAILS 8, 9, 10 & 11/C5.1
10. PYLON SIGN - 18' X 5'-6", 25' OVER ALL HEIGHT, SEE SIGNAGE DRAWINGS (UNDER SEPARATE PERMIT)
11. 4" WIDE PARKING STRIPE PAINTED WHITE (TYP.)
12. 4" WIDE DIAGONAL STRIPES PAINTED WHITE @ 2 FT. O.C.
13. CONCRETE HANDICAP RAMP - MAXIMUM SLOPE 1:12 (8.33%) (PER A.D.A. REQUIREMENTS). MAXIMUM CROSS SLOPE 1:50 (2.00%). REF. FDOT STANDARD PLANS #522-002
14. STOP SIGN (36" X 36") - SEE DETAIL 3/C5.1
15. PAVEMENT MARKINGS - SEE DETAIL 23 & 24/C5.1
16. 6' CONCRETE SIDEWALK PER FDOT STANDARD PLANS #522-001
17. CONCRETE TRANSFORMER PAD. CONTRACTOR TO COORDINATE WITH ELECTRIC UTILITY PROVIDER
18. 12" SOLID WHITE (TYP) PER FDOT STANDARD PLANS #711-001
19. SITE LIGHTING - SEE DETAIL 13 /C5.1, SEE PHOTOMETRIC PLAN, SHEET PH0.1
20. 6" CONCRETE FDOT TYPE "CR-F" CURB RAMP PER FDOT STANDARD PLANS #522-002
21. PEDESTRIAN CROSSING SIGN (W11-2).
22. ONE WAY ONLY SIGN (1W)
23. RIGHT TURN ONLY SIGN (R3-5R)

SITE DATA INFORMATION:

SITE ADDRESS:
NWC OF US-90 W. & N.W. FOREST MEADOWS AVE, LAKE CITY, FLORIDA 32055

SITE PARCEL NUMBER:
34-3S-16-03461-007

ZONING: COMMERCIAL INTENSIVE (CI)

SECTION - 34 / TOWNSHIP - 3 SOUTH / RANGE - 16 EAST

NUMBER OF STORIES: 1

TOTAL SQUARE FOOTAGE UNDER ROOF (CONDITIONED AND NON-CONDITIONED): 7,381 S.F.

SPRIKLER INTENTION FOR NEW STRUCTURE: UNSPRINKLERED

ON-SITE LAND INFORMATION:

CURRENT LAND USE: VACANT
PROPOSED LAND USE: AUTO PARTS STORE

AREA OF PROPOSED IMPROVEMENTS: 53,031 S.F. (1.22± ACRES)

ADJACENT LAND INFORMATION:

	NORTH	EAST	SOUTH	WEST
EXIST. LAND USE	RES.	R.O.W.	R.O.W.	RES.
FUTURE LAND USE	RES.	R.O.W.	R.O.W.	RES.
EXIST. ZONING	RES.	R.O.W.	R.O.W.	RES.
PROPOSED ZONING	RES.	R.O.W.	R.O.W.	RES.

BLDG. SETBACKS AND LANDSCAPE BUFFERS:

BLDG. SETBACKS:	NORTH	EAST	SOUTH	WEST
REQUIRED:	15.0'	10.0'	20.0'	0.0'
PROVIDED :	166.55'	10.0'	99.59'	64.26'
LANDSCAPE BUFFERS:	**NORTH**	**EAST**	**SOUTH**	**WEST**
REQUIRED:	150.0'	10.0'	20.0'	0.0'
PROVIDED :	150.0'	10.0'	20.0'	0.0'

PERVIOUS / IMPERVIOUS AREAS:

EXISTING CONDITIONS:

PERVIOUS AREA:	53,031 S.F. (1.22 AC.)	(100.0%)
IMPERVIOUS AREA:	0 S.F. (0.00 AC.)	(0.0%)
TOTAL SITE AREA:	53,031 S.F. (1.22 AC.)	(100.0%)

PROPOSED CONDITIONS:

PERVIOUS AREA:	26,655 S.F. (0.61 AC.)	(50.3%)
IMPERVIOUS AREA:	18,995 S.F. (0.44 AC.)	(35.8%)
BUILDING AREA:	7,381 S.F. (0.17 AC.)	(13.9%)
TOTAL SITE AREA:	53,031 S.F. (1.22 AC.)	(100.0%)

PARKING INFORMATION:

USE TYPE: RETAIL, COMMERCIAL

PARKING REQUIRED:
BUSINESS, COMMERCIAL:
1 SPACE PER 350 SF OF GROSS FLOOR AREA
(7,381 / 350 SF) = 22 SPACES

PARKING PROVIDED = 24 (INC. 2 ADA SPACES)

MISC. SPACES PROVIDED (IN ADDITION TO THE 24 ABOVE)

ONE LOADING SPACE

BUILDING INFORMATION:

BUILDING AREA: 7,381 S.F.

MAXIMUM BUILDING HEIGHT (FLORIDA BUILDING CODE): 40'

IMPERVIOUS SURFACE RATIO: (ISR): 0.80

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REVISIONS

1	2	3
4	5	6

AutoZone Store No. FL10562
NWC OF US-90 W & NW FOREST MEADOWS AVE,
LAKE CITY, FLORIDA 32055
SITE DIMENSION PLAN

Owner / Developer: AUTOZONE STORES LLC
123 South Front Street, 3rd Floor
Memphis, Tennessee 38103
TEL.:901-495-8709 FAX: (901) 495-8969

For Bidding & Contractor Information Contact:
Dodge Data & Analytics. Tel. 413-930-4215
Cindy.searcy@construction.com

MATTHEW S. D'ANGELO
FL/P.E. No. 91885
STATE OF FLORIDA
09/21/22

5/28/2025

7N2

C1.3

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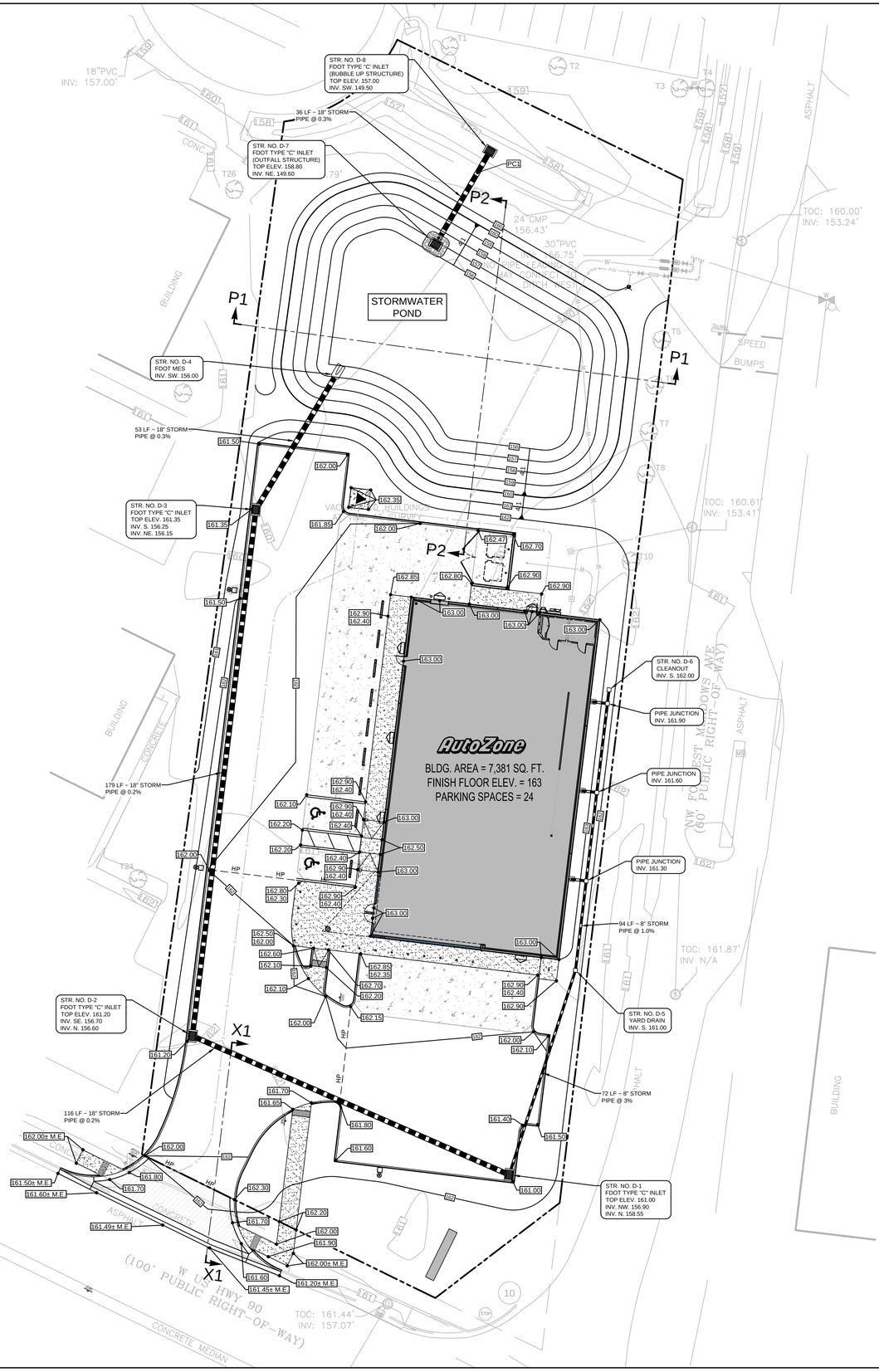
Graphic Scale in Feet
20 0 20 40

Plans Prepared By:
CPH, Inc.
5601 Mariner Street, Suite 105 Tampa, FL 33609
Ph: 813.288.0233
www.cphcorp.com
Eng. C.O.A. No. 3215 Arch. Lic. No. AA2600926
Survey L.B. No. 7143 Landscp. Lic. No. LC0000298

THIS SHEET NOT VALID FOR CONSTRUCTION WITHOUT COMPLETE SET OF PLANS. SEE GENERAL NOTES FOR MASTER LEGEND.



NOTES:

1. GRADING SHOWN ON THESE PLANS IS PROVIDED TO THE CONTRACTOR TO EXPRESS THE GENERAL GRADING INTENT OF THE PROJECT. THE CONTRACTOR SHALL BE EXPECTED TO GRADE THE ENTIRE SITE TO ENSURE POSITIVE DRAINAGE IN ALL AREAS THROUGHOUT THE SITE. THE FOLLOWING MINIMUM SLOPES SHALL BE PROVIDED BY THE CONTRACTOR:
   A. ASPHALT PAVEMENT: MIN. 1% SLOPE
   B. CONCRETE PAVEMENT: MIN. 1% SLOPE
   C. GUTTERS: MIN 0.5%
2. STRUCTURE BOTTOMS SHALL BE TYPE 'P' BOTTOMS PER FDOT REQUIREMENTS, UNLESS PIPE SIZES AND LOCATION REQUIRE A TYPE 'J' BOTTOM. CONTRACTOR SHALL REVIEW DESIGN AND PROVIDE APPROPRIATELY SIZED BOTTOMS PER FDOT REQUIREMENTS.
3. CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT ADA AREAS ARE CONSTRUCTED IN STRICT ACCORDANCE WITH THE LATEST EDITION OF THE FLORIDA ACCESSIBILITY CODE FOR BUILDING CONSTRUCTION. IF THE CONTRACTOR DETERMINES THAT ANY INFORMATION SHOWN ON THIS PLAN MAY NOT BE IN COMPLIANCE THEY SHALL NOTIFY THE ENGINEER PRIOR TO THE WORK BEING COMPLETED.
4. ITEMS SHOWN SCREENED REPRESENT EXISTING CONDITIONS. ITEMS SHOWN BOLD REPRESENT PROPOSED CONDITIONS.

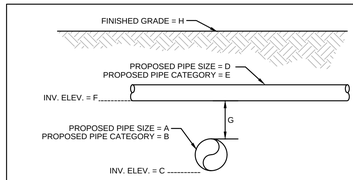
LEGEND:

- PROPERTY LINE
- HP — HIGH POINT
- STORM PIPE
- CONCRETE SIDEWALK
- CONCRETE. REF. ARCH. PLANS
- STANDARD DUTY ASPHALT PAVEMENT. REF. GEOTECHNICAL REPORT FOR PAVEMENT SPECIFICATIONS
- XX.XX — TOP OF CURB ELEV. / XX.XX — PAVEMENT ELEV.
- XX.XX — PAVEMENT ELEV.
- XX.XX± M.E. — MEET EXISTING GRADE
- DIRECTION OF FLOW
- HANDICAP RAMP 1:12 SLOPE (MAX)
- STORM INLET PER FDOT STANDARD PLANS

PIPE MATERIALS:

STORMWATER PIPE

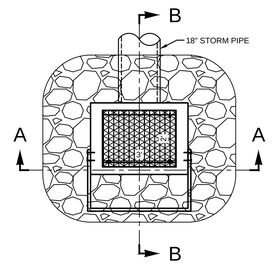
RCP PIPE SHALL COMPLY WITH ASTM C76
HDPE PIPE SHALL COMPLY WITH ASTM D3350 AND D2321
PVC PIPE SHALL COMPLY WITH ASTM D3034, SDR 35
PP PIPE SHALL COMPLY WITH ASTM F2881 AND AASHTO M330

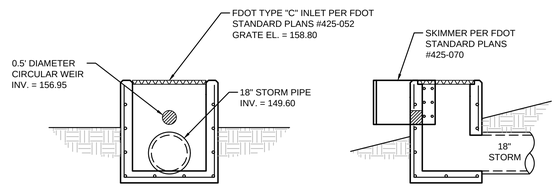


PIPE CROSSING

PIPE CROSSING TABLE

I.D.	A	B	C	D	E	F	G	H
PC-1	18"	HDPE STORM	149.52'	2"	WATER LINE	154.70'	3.68'	158.20'





SECTION A-A **SECTION B-B**

OUTFALL CONTROL STRUCTURE D-7

SCALE: 1" = 3'

Graphic Scale in Feet: 20 0 20 40

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REVISIONS
1 2 3 4 5 6

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GRADING AND STORM DRAINAGE PLAN

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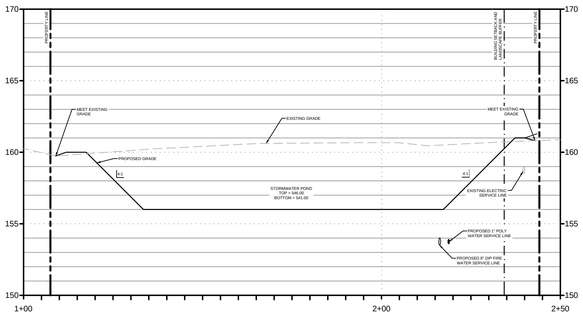
DATE(S):
09/21/22

5/28/2025

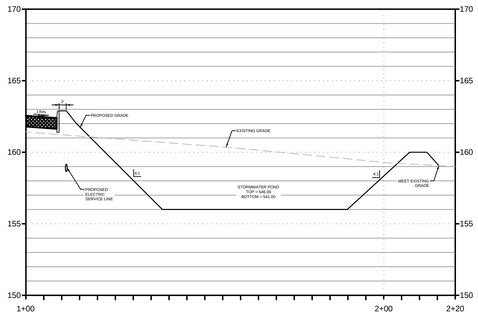
7N2

C1.4



CROSS SECTION P1-P1

1" = 20' HORZ
1" = 5' VERT



CROSS SECTION P2-P2

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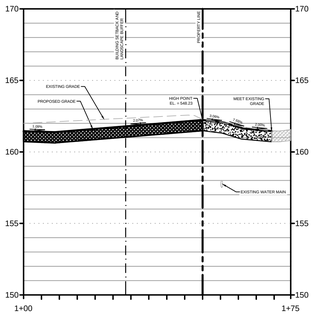
1" = 5' VERT



CROSS SECTION X1-X1

1" = 20' HORZ
1" = 5' VERT

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GRADING CROSS SECTIONS

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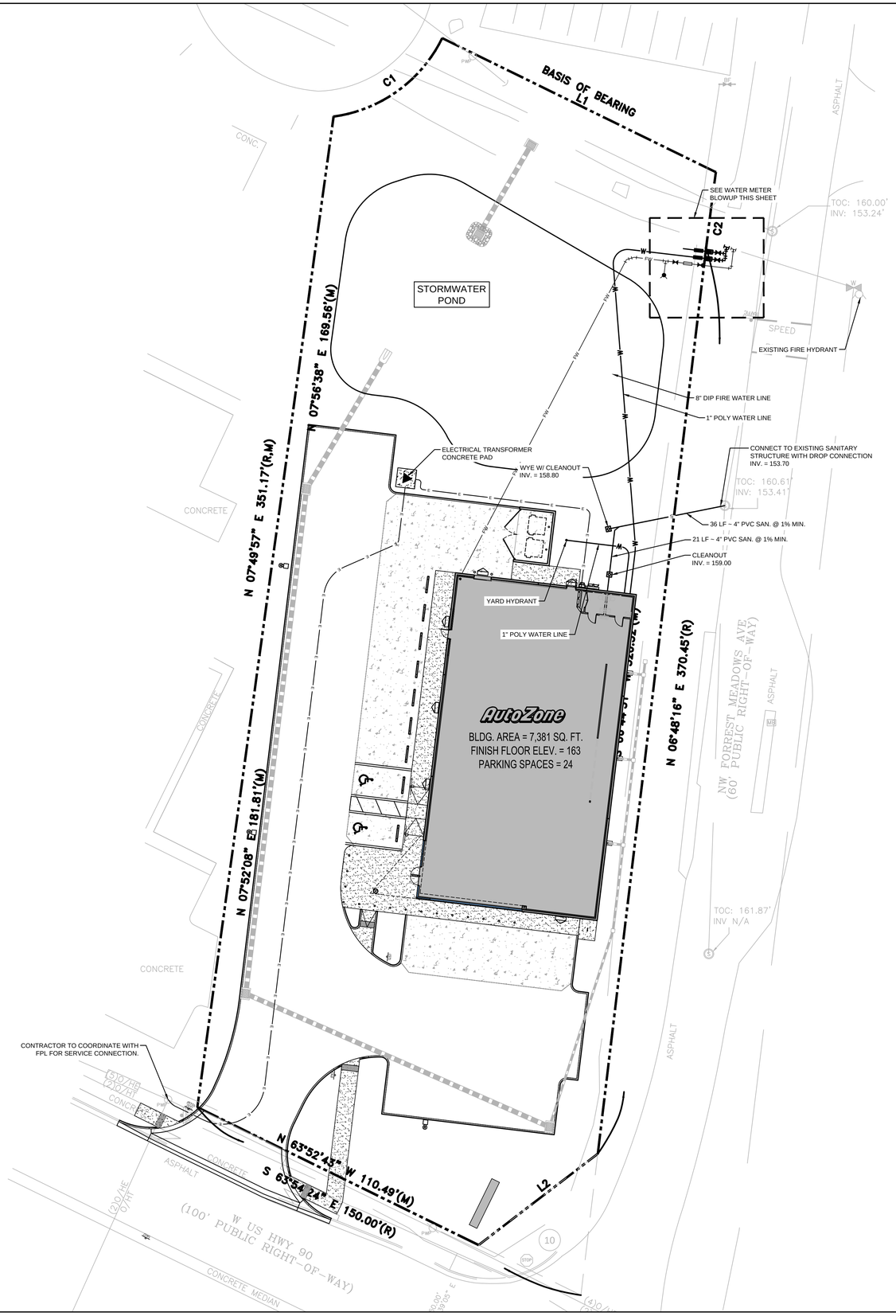

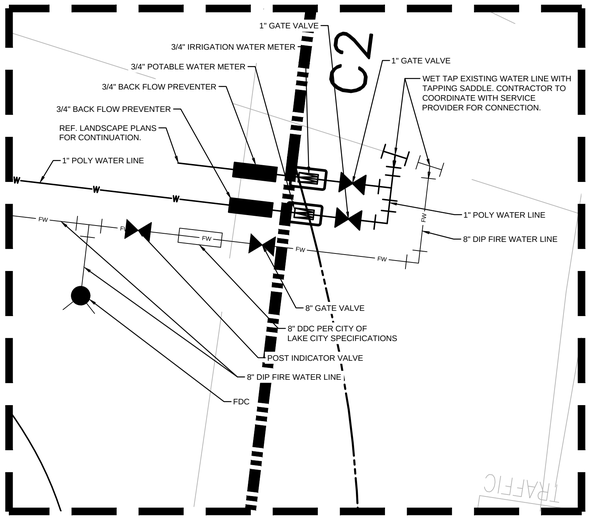

WATER METER BLOWUP

SCALE = 1" = 5'

LEGEND:

- PROPERTY LINE
- S — SANITARY SEWER
- W — WATER MAIN
- E — ELECTRIC LINE
- WATER LINE ELEMENTS
- BACK FLOW PREVENTER
- WATER METER
- TRANSFORMER PAD
- C.O. CLEAN OUT
- ELECTRICAL EQUIPMENT
- YARD HYDRANT, REF. BLDG. PLUMBING PLANS

UTILITY LINE MATERIALS:

POTABLE WATER LINE:

ALL UNDERGROUND PIPING LESS THAN 3" DIAMETER SHALL BE:
BLUE PC200, SDR9, POLYETHYLENE TUBING CONFORMING TO SPECIFICATIONS IN AWWA C901, AWWA 800, PE3608 AND NSF-61

FIRE WATER LINE:

8" DIP SHALL BE ANSI/AWWA C151/A21.51, PRESSURE CLASS 350

GRAVITY SEWER LINE:

PVC PIPE 4"-12" DIAMETER SHALL BE:
ASTM D-3034, SDR 26

GENERAL UTILITY NOTES:

1. ALL UTILITIES SHOWN ARE APPROXIMATE LOCATIONS ONLY AND HAVE BEEN COMPILED FROM THE LATEST AVAILABLE MAPPING. THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.
2. GENERAL CONTRACTOR TO COORDINATE WITH THE LOCAL UTILITY COMPANIES FOR ALL LOCATIONS AND CONNECTIONS. A PRECONSTRUCTION MEETING WITH THE VARIOUS UTILITY COMPANIES, IS REQUIRED PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITY.
3. THE CONTRACTOR SHALL VISIT THE SITE AND VERIFY THE ELEVATION AND LOCATION OF ALL UTILITIES BY VARIOUS MEANS PRIOR TO BEGINNING ANY EXCAVATION. TEST PITS SHALL BE DUG AT ALL LOCATIONS WHERE SEWERS CROSS EXISTING UTILITIES, AND THE HORIZONTAL AND VERTICAL LOCATIONS OF THE UTILITIES SHALL BE DETERMINED. THE CONTRACTOR SHALL CONTACT AUTOZONE IN THE EVENT OF ANY UNFORESEEN CONFLICTS BETWEEN EXISTING AND PROPOSED UTILITIES SO THAT AN APPROPRIATE MODIFICATION MAY BE MADE.
4. THE CONTRACTOR SHALL INSURE THAT ALL UTILITY COMPANIES AND CITY STANDARDS FOR MATERIALS AND CONSTRUCTION METHODS ARE MET. THE CONTRACTOR SHALL PERFORM PROPER COORDINATION WITH THE RESPECTIVE UTILITY COMPANY. THE CONTRACTOR SHALL COORDINATE WORK TO BE PERFORMED BY THE VARIOUS UTILITY COMPANIES AND SHALL PAY ALL FEES FOR CONNECTIONS, DISCONNECTION, RELOCATION'S, INSPECTIONS, AND DEMOLITION. (AUTOZONE TO REIMBURSE GENERAL CONTRACTOR FOR ALL SANITARY SEWER AND WATER TAP FEES).
5. ALL VALVE BOXES AND CURB BOXES SHALL BE ADJUSTED TO THE FINAL GRADES. ALL CURB BOXES SHALL BE LOCATED IN GRASSED AREAS UNLESS INDICATED OTHERWISE ON THE PLANS.
6. SANITARY LATERAL SHALL MAINTAIN (10' MIN. HORIZONTAL 1.5' VERTICAL MIN.) SEPARATION DISTANCE FROM WATER LINES UNLESS OTHERWISE SHOWN. OR ADDITIONAL PROTECTION MEASURES WILL BE REQUIRED. WHERE WATER LINE CROSSES ABOVE SANITARY LATERAL BY LESS THAN 2' VERTICAL, A CONCRETE ENCASEMENT SHALL BE INSTALLED. CONTRACTOR SHALL CENTER ONE JOINT OF PIPE AT CROSSING.
7. THIS PLAN DETAILS PIPES UP TO 5' FROM THE BUILDING FACE. REFER TO THE BUILDING DRAWINGS FOR BUILDING CONNECTIONS. SUPPLY AND INSTALL PIPE ADAPTERS AS NECESSARY.
8. ALL EXISTING PAVEMENT WHERE UTILITY PIPING IS TO BE INSTALLED SHALL BE SAW CUT AND REPLACED IN ACCORDANCE WITH THE PAVEMENT REPAIR REQUIREMENTS OF THE GOVERNING AUTHORITY.
9. WATER PIPE SHALL BE PEX (HDPE) TUBING.
10. ALL SANITARY SEWER MAIN LINES SHALL BE SCHEDULE 40 PVC PIPE (EXCEPT AS NOTED ON PLANS). ALL PVC PIPE SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDED PROCEDURE.

UTILITY SERVICE NOTES:

WATER SERVICE
GENERAL CONTRACTOR TO PROVIDE AND INSTALL A 1" PEX (HDPE) WATER LINE FROM EXISTING MAIN TO BUILDING.

ELECTRIC SERVICE
"POWER CO." TO PROVIDE UNDERGROUND 120/208/3 PHASE SERVICE. GENERAL CONTRACTOR TO PROVIDE AND INSTALL TWO 4" DIA. CONDUIT W/ SECONDARY WIRE TO UTILITY COMPANY POINT OF CONNECTION.

SANITARY SEWER
GENERAL CONTRACTOR TO PROVIDE AND INSTALL A 4" SCHEDULE 40 PVC FROM EXISTING SEWER TO LAST CLEAN OUT OUTSIDE OF BUILDING. GENERAL CONTRACTOR TO PROVIDE A 6" CAST IRON UNDER BUILDING SLAB. (MIN. 1% SLOPE). PROVIDE CLEAN OUTS EVERY 60' (TYPICAL).

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COMPOSITE UTILITY PLAN

Owner / Developer: AUTOZONE STORES LLC
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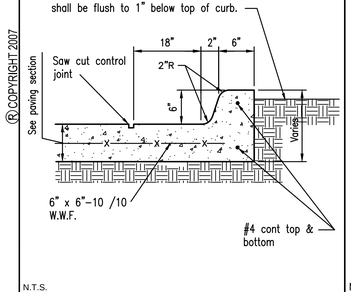
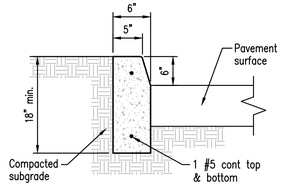


N.T.S.

1 CONCRETE MONOLITHIC CURB

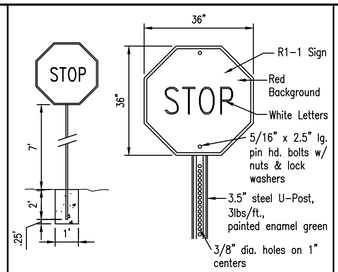
Notes:

1. Concrete to test 4,000 PSI minimum on 28 day test. Air entrainment 7%, slump to be 3" maximum.
2. Transverse joints 1/2" wide shall be installed in the curb 20' apart and shal be filled with preformed bituminous joint filler.
3. Landscaping materials, grass, sod, mulch, etc. shall be flush to 1" below top of curb/paving/drainage openings.



NO SCALE SEC-C01

2 CONCRETE CURB



Note: All regulatory and warning signs shall be high intensity reflective sheeting.

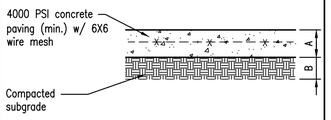
NO SCALE

3 STOP SIGN DETAIL

DIMENSION & TYPE

Concrete Section	A	B
Parking Areas	5"	12"
Loading/Dumpster	6"	12"
Approaches	6"	12"

NOTE: Compacted subgrade should be as specified in soils report.



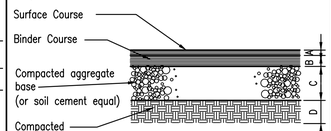
NO SCALE SEC-C04

4 CONCRETE PAVING SECTION

DIMENSION & TYPE

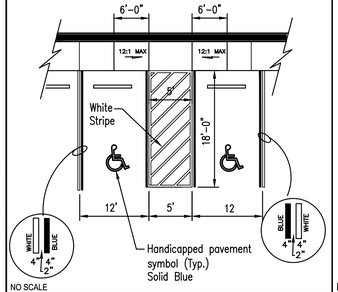
Asphalt Section	A	B	C	D
Drive Aisle / Parking Areas	1"	2.5"	10"	12"

NOTE: All asphalt paving to be "Heavy Duty". Compacted subgrade should be as specified in soils report.



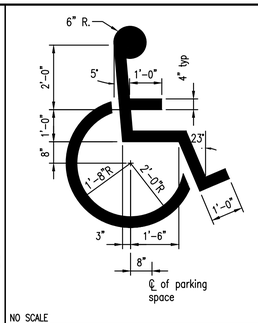
NO SCALE

5 ASPHALT PAVING SECTION



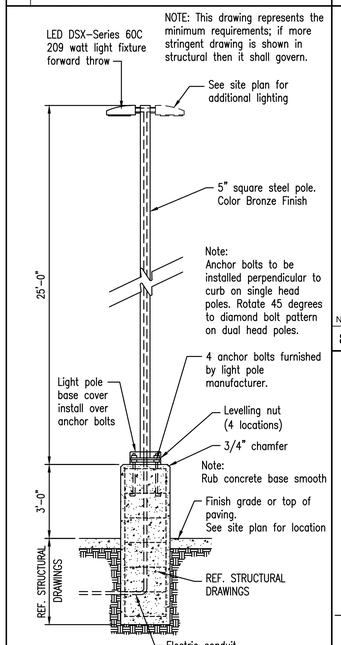
NO SCALE

6 HANDICAP PARKING DETAIL



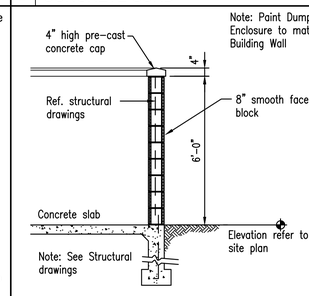
NO SCALE

7 INT'L BARRIER FREE SYMBOL



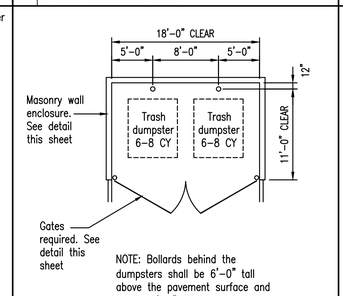
NO SCALE SEC–C13

13 TYPICAL LIGHT POLE



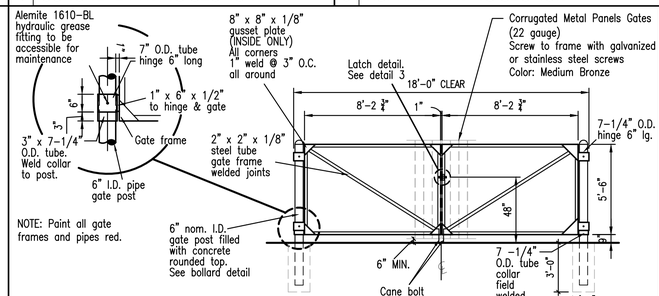
NO SCALE MDUMPSEC

8 MASONRY WALL DUMPSTER SECTION



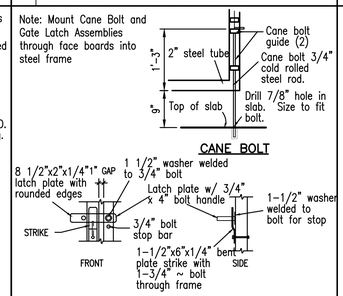
NO SCALE SEC–C17M

9 MASONRY WALL DUMPSTER LAYOUT



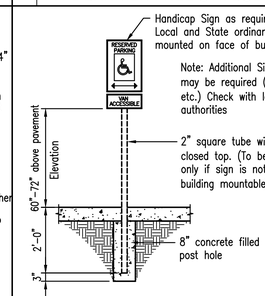
NO SCALE SEC–C18

10 GATE DETAIL FOR MASONRY WALL DUMPSTER ENCLOSURE



NO SCALE SEC–C19

11 GATE LATCH / BOLT DETAILS

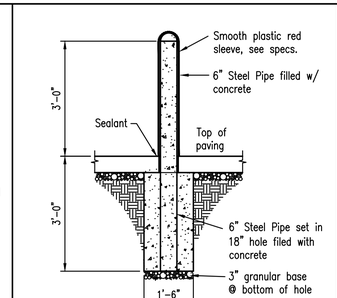


NO SCALE

12 TYPICAL HANDICAP SIGN

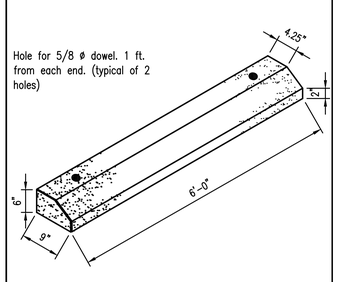
NO SCALE SEC–C08

15 PIPE GUARD @ ROLL-UP DOOR



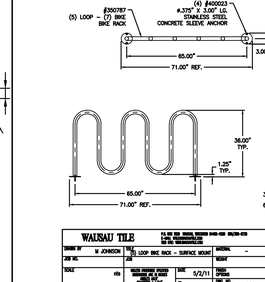
NO SCALE SEC–C07

16 TYPICAL PIPE GUARD SECTION



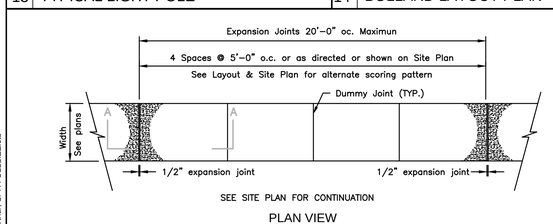
NO SCALE SEC–C18

17 WHEEL STOP DETAIL



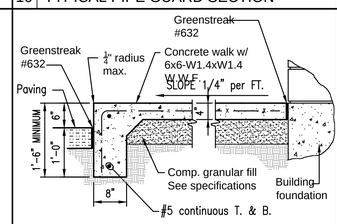
NO SCALE

18 BIKE RACK



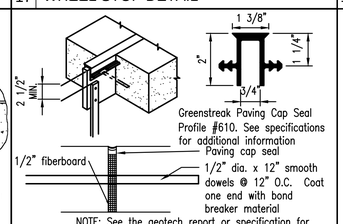
NO SCALE

19 CONCRETE SIDEWALK



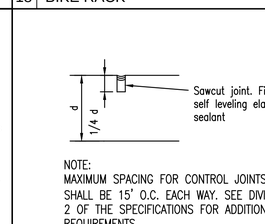
3/4" = 1'–0" SEC–C30

20 TYPICAL WALK SECTION



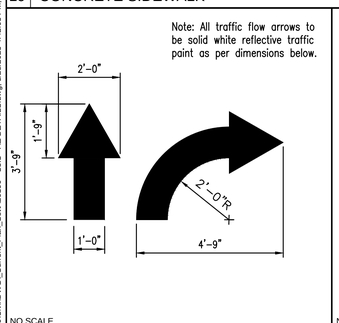
NO SCALE

21 TYPICAL EXPANSION JOINT



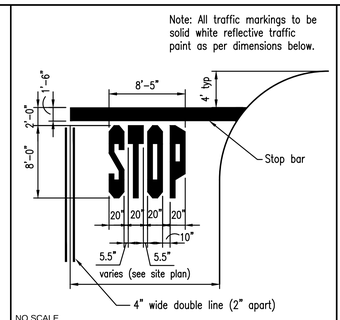
NO SCALE

22 TYPICAL CONTROL JOINT



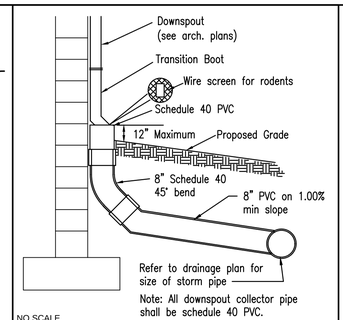
NO SCALE

23 TYPICAL PAVEMENT MARKINGS



NO SCALE

24 TYPICAL PAVEMENT MARKINGS



NO SCALE

25 DOWNSPOUT DETAIL

Plans Prepared By:
CPH, Inc.
5601 Mariner Street, Suite 105 Tampa, FL 33609
Ph: 813.288.0233
Eng. C.O.A. No. 3215 Arch. Lic. No. AA2600926
Survey L.B. No. 7143 Landscp. Lic. No. LC0000298
www.cphcorp.com

REVISIONS

1	2	3
4	5	6

AutoZone Store No. FL10562
NWC OF US-90 W &
NW FOREST MEADOWS AVE,
LAKE CITY, FLORIDA 32055

AUTOZONE DETAILS SHEET

Owner / Developer: AUTOZONE STORES LLC
123 South Front Street, 3rd Floor
Memphis, Tennessee 38103
TEL: 901-495-8709 FAX: (901) 495-8969

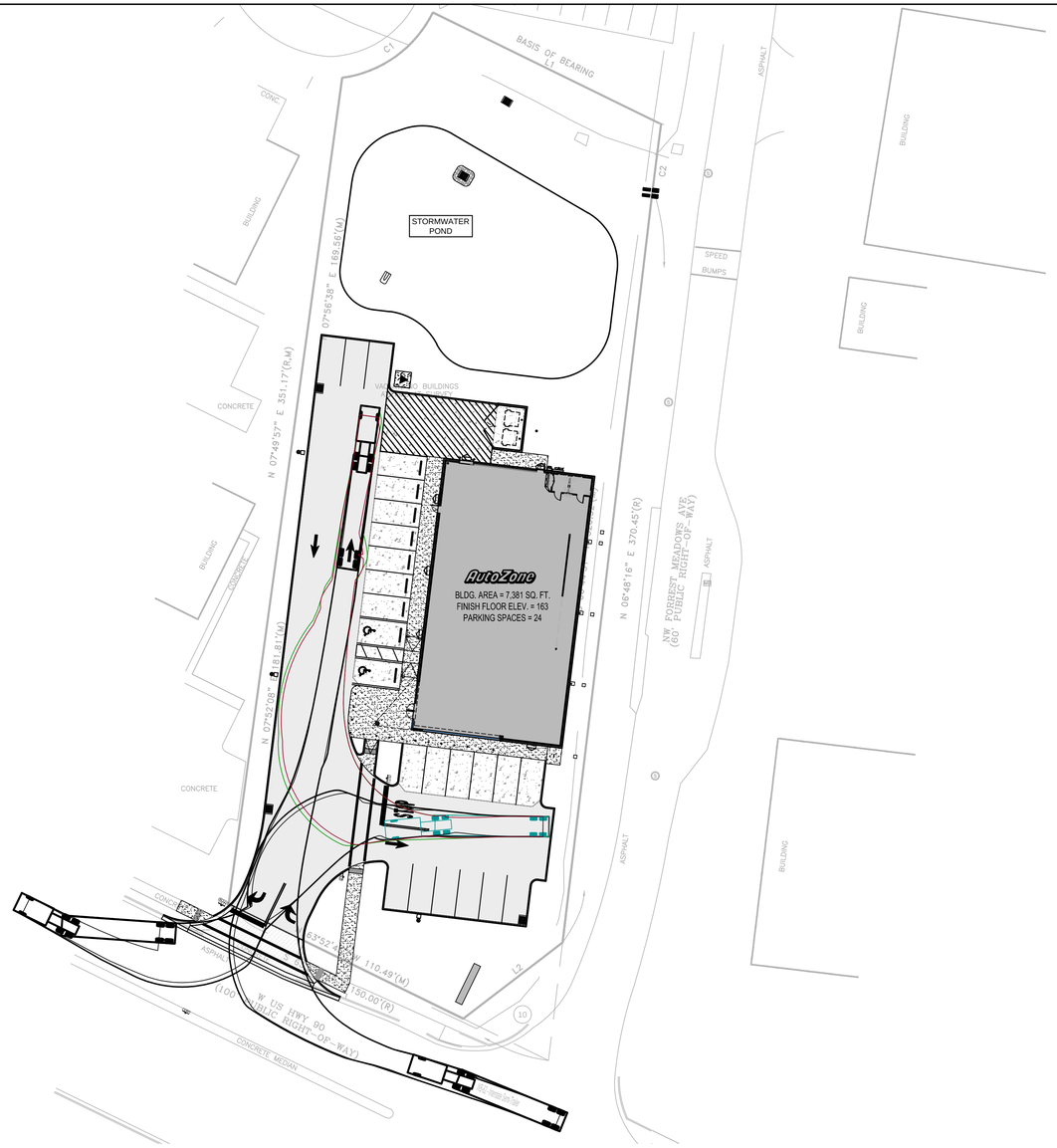
For Bidding & Contractor Information Contact:
Dodge Data & Analytics. Tel. 413-930-4215
Cindy.searcy@construction.com

MATTHEW S. D'ANGELO LICENSE FLORIDA PROFESSIONAL ENGINEER
MATTHEW S. D'ANGELO
FL/P.E. No. 91885
05/21/22

5/28/2025

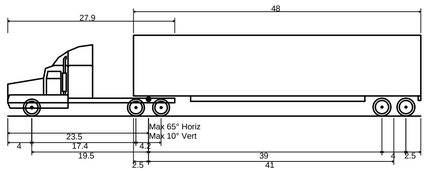
7N2

C5.1

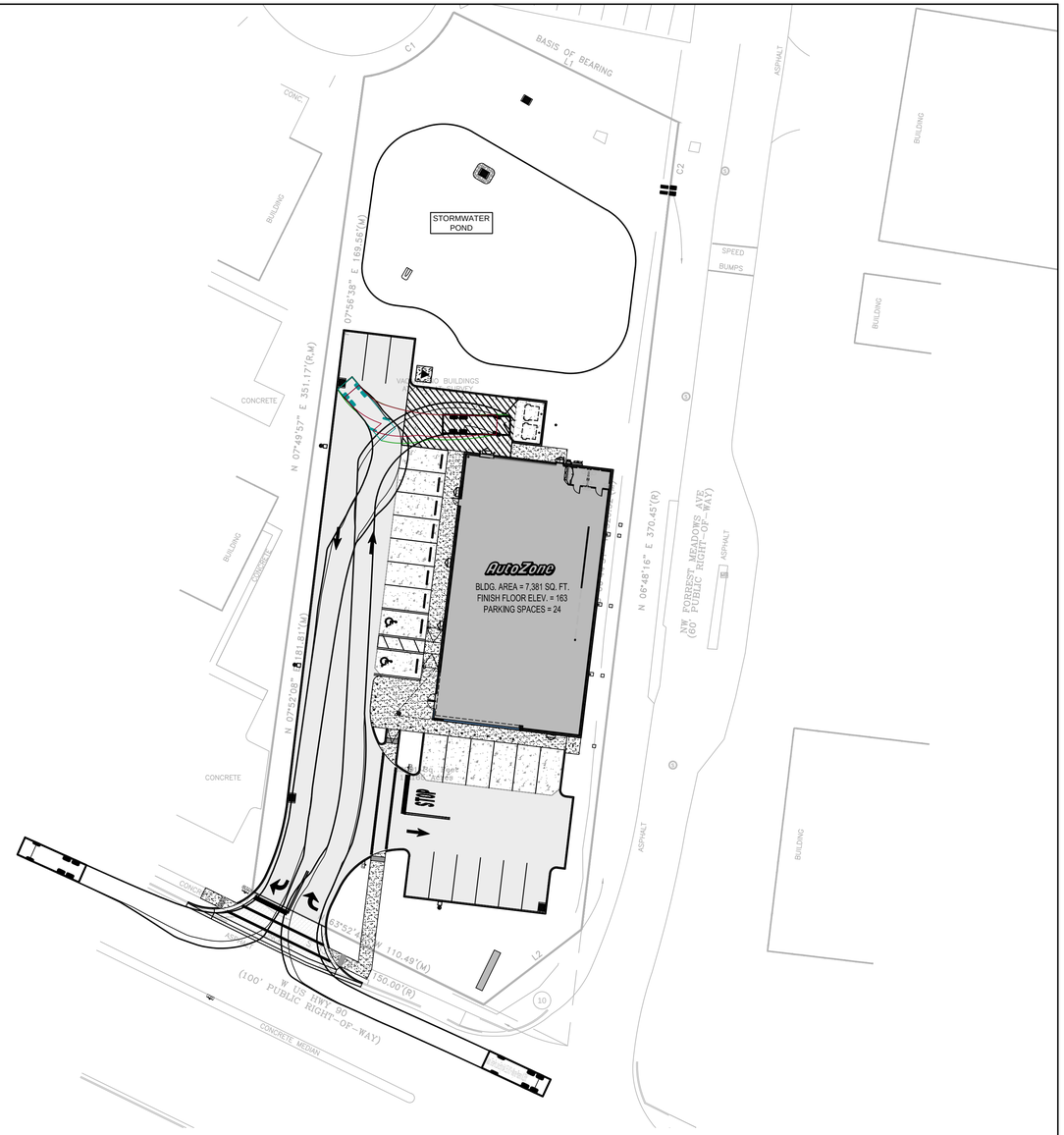


WB-62 TRUCK TURN EXHIBIT

SCALE = 1" = 30'

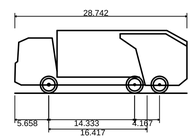


WB-62 - Interstate Semi-Trailer	
Overall Length	69.000ft
Overall Width	8.500ft
Overall Body Height	13.500ft
Min Body Ground Clearance	1.334ft
Max Track Width	8.500ft
Lock-to-lock time	6.00s
Curb to Curb Turning Radius	44.800ft

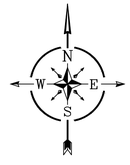


REFUSE TRUCK TURN EXHIBIT

SCALE = 1" = 30'



Mack TerraPro Low Entry 6x4 LEU 613 + Wayne Phoenix III 25Yd	
Overall Length	28.742ft
Overall Width	8.000ft
Overall Body Height	10.481ft
Min Body Ground Clearance	1.311ft
Track Width	8.000ft
Lock-to-lock time	6.00s
Curb to Curb Turning Radius	34.000ft



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cph
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Plans Prepared By:
CPH, Inc.
5601 Mariner Street, Suite 105 Tampa, FL 33609
Ph: 813.288.0233
Eng. C.O.A. No. 3215 Arch. Lic. No. AA2600926
Survey L.B. No. 7143 Landscp. Lic. No. LC0000298

THIS SHEET NOT VALID FOR CONSTRUCTION WITHOUT COMPLETE SET OF PLANS. SEE GENERAL NOTES FOR MASTER LEGEND.

Matthew S. D'Angelo, State of Florida, Professional Engineer, License No. 91885 This item has been digitally signed and sealed by Matthew S. D'Angelo on the date indicated here. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies

REVISIONS			
1	4		
2	5		
3	6		

AutoZone Store No. FL10562
NWC OF US-90 W &
NW FORREST MEADOWS AVE,
LAKE CITY, FLORIDA 32055

TRUCK TURN EXHIBIT

Owner / Developer: AUTOZONE STORES LLC
123 South Front Street, 3rd Floor
Memphis, Tennessee 38103
TEL: 901-495-8709 FAX: (901) 495-8969

For Bidding & Contractor Information Contact:
Dodge Data & Analytics. Tel. 413-930-4215
Cindy.searcy@construction.com

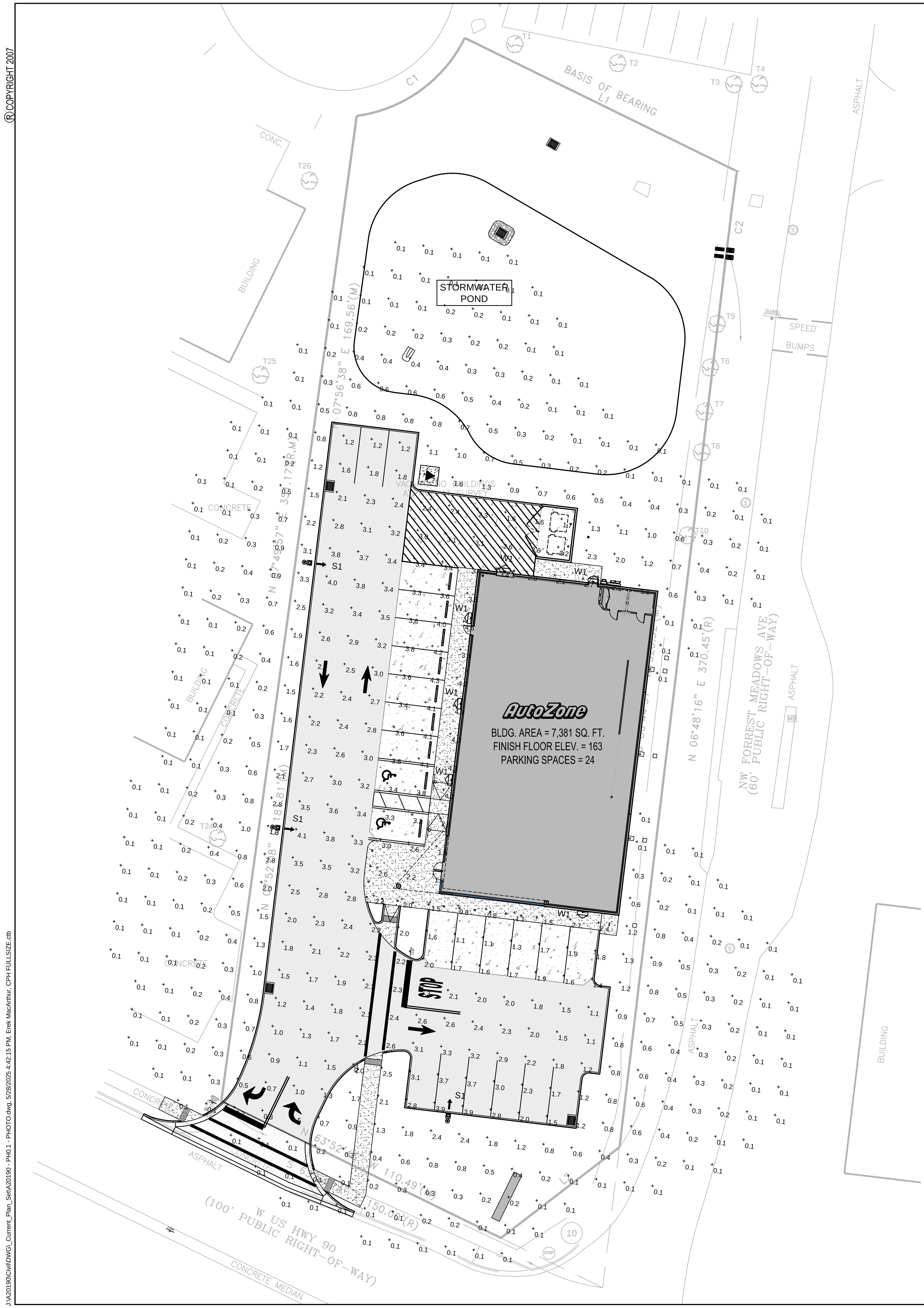
MATTHEW S. D'ANGELO
FL P.E. No. 91885
09/21/22

5/28/2025

7N2

TTE-1

J:\A20190\Civil\DWG_Current_Plan_Set\A20190 - TTE-1 -TRUCK.dwg, 5/28/2025 4:42:11 PM, Erek MacArthur, CPH FULLSIZE.ctb



LIGHTING NOTES:

1. TIME CONTROLS: ALL SITE LIGHTING IS CONTROLLED AND MONITORED BY AN ENERGY MANAGEMENT SYSTEM CALLED VENSTAR WHICH IS CONTROLLED AT AUTOZONE CORPORATE OFFICES. ALL SITE LIGHTING IS PROGRAMMED TO AUTOMATICALLY TURN ON AT DUSK AND REDUCED BY 50 PERCENT AFTER THE CLOSE OF BUSINESS TO THE MINIMUM LEVEL NEEDED UNDER THE IESNA TO ENSURE SAFETY AND SECURITY.

2. ALL FIXTURES ARE FULL CUTOFF DISTRIBUTION AND MOUNTED @ 0° DOWN POSITION.

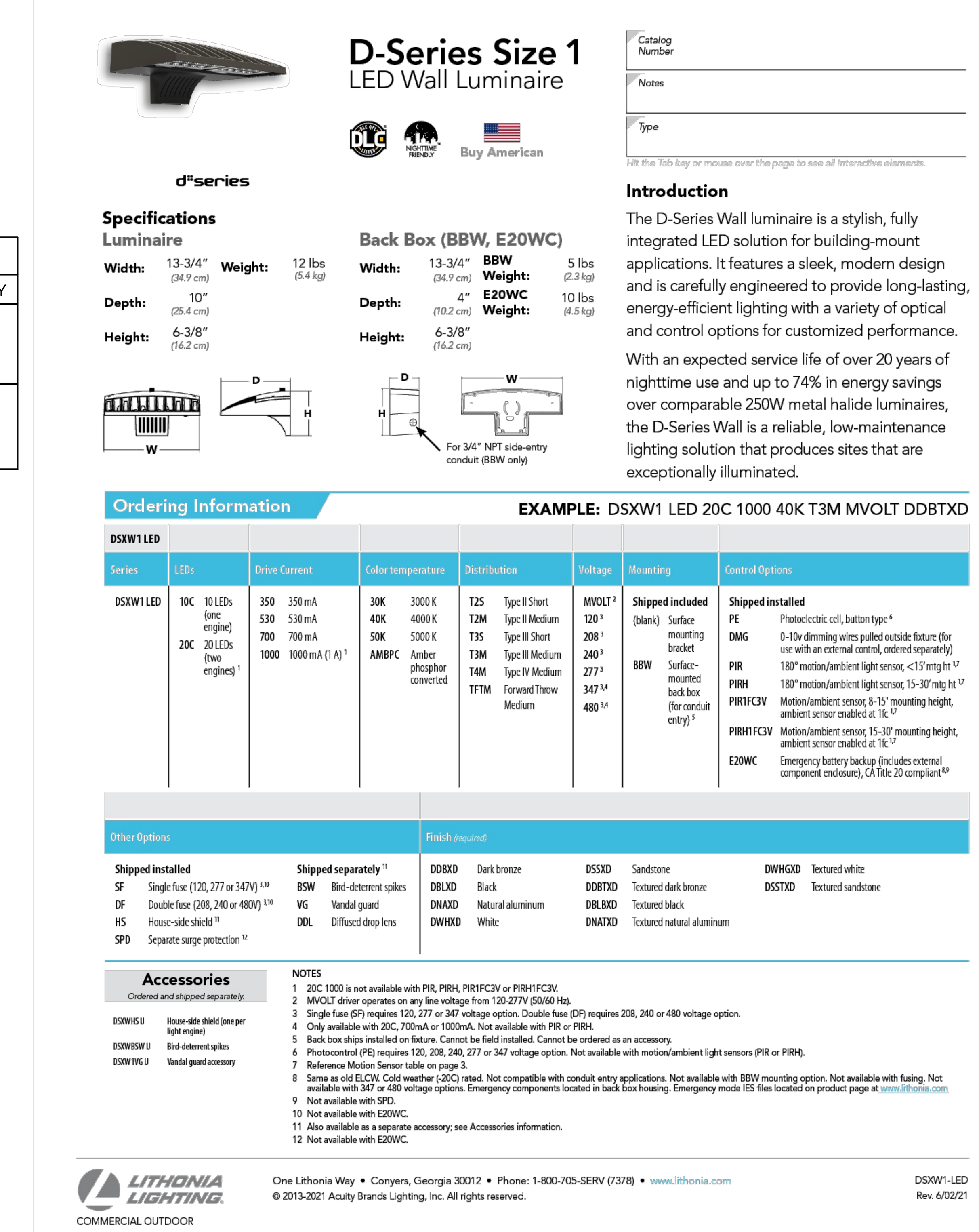
3. NO FLOODLIGHTS ARE PROPOSED.

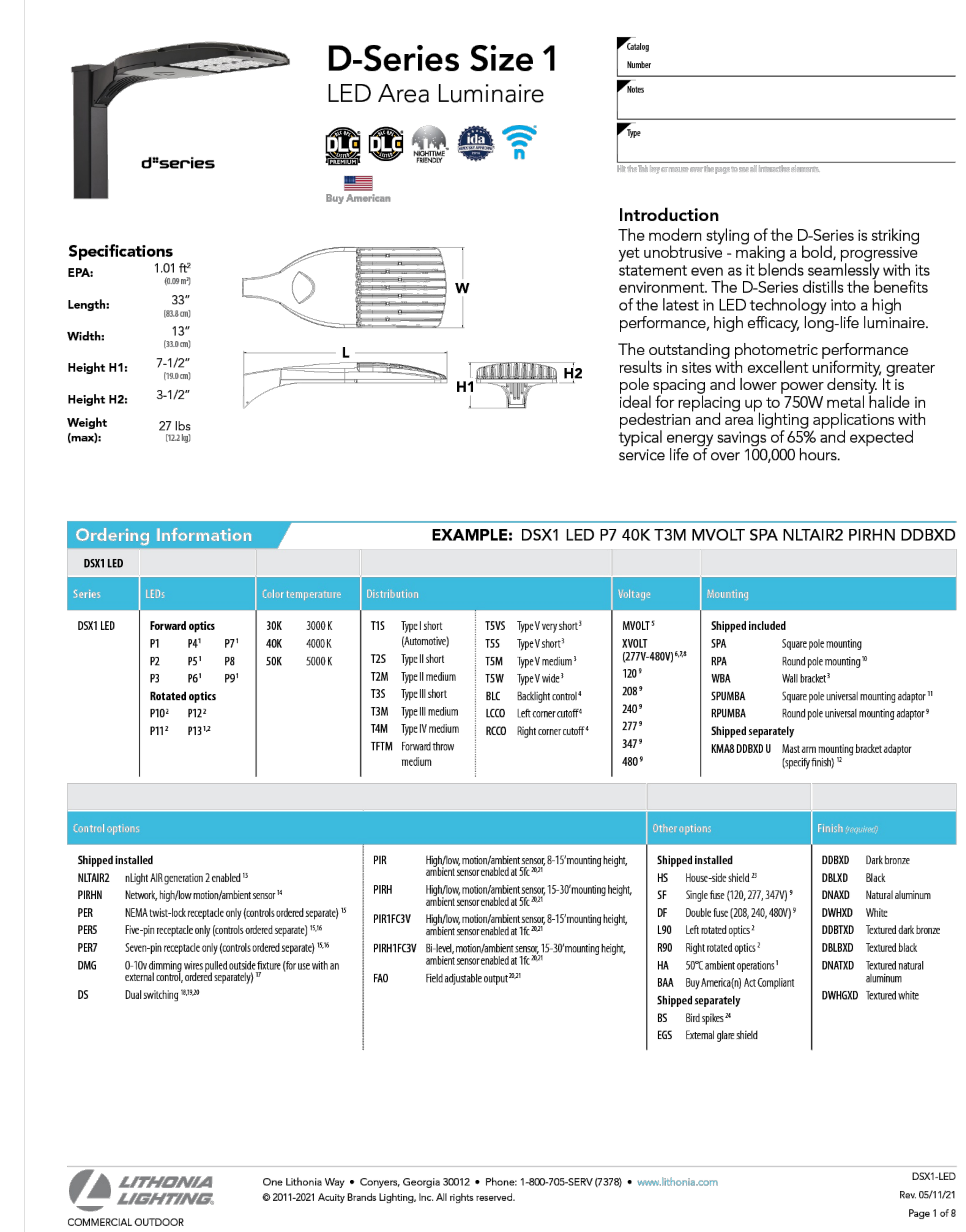
LUMINAIRE SCHEDULE

TYP	SYMBOL	DESCRIPTION	LAMP	LUMENS	LLF	QTY
W1		LITHONIA - WALLPACK DSXW1 LED 10C 1000 40K T3M MVOLT IESNA FULL CUTOFF DISTRIBUTION MOUNTED 0° DOWN POSITION MOUNTED HEIGHT = 12'-0"	LED - 40 WATTS	ABSOLUTE	0.95	6
S1		LITHONIA - DSX1 LED P8 40K T4M MVOLT w/ HS IES FULL CUTOFF DISTRIBUTION MOUNTED 0° DOWN POSITION MOUNTED HEIGHT = 28'-0"	LED - 207 WATTS	ABSOLUTE	0.95	3

STATISTICS

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Calc Zone	+	1.2 fc	4.8 fc	0.1 fc	48.0:1	12.0:1





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20 0 20 40
Graphic Scale in Feet

Plans Prepared By:
CPH, Inc.
5601 Mariner Street, Suite 105 Tampa, FL 33609
Ph: 813.288.0233
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REVISIONS	
1	4
2	5
3	6

AutoZone Store No. FL10562
NWC OF US-90 W &
NW FOREST MEADOWS AVE,
LAKE CITY, FLORIDA 32055
PHOTOMETRIC PLAN

Owner / Developer: AUTOZONE STORES LLC
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7N2

PH0.1

J:\A20190\Civil\DWG_Current_Plan_Set\A20190 - PH0.1 - PHOTO.dwg, 5/28/2025 4:42:15 PM, Erek MacArthur, CPH FULLSIZE.ctb

ALTA/NSPS LAND TITLE SURVEY

NOTES CORRESPONDING TO SCHEDULE B

AS PER COMMITMENT NO. NCS-1225503-MICH DATED JULY 12, 2024

(10) 10. Reservations for an advertising Sign located within the property and a perpetual non-exclusive easement for ingress and egress as disclosed in that certain Warranty Deed recorded in Official Records Book 1018, Page 2966. SHOWN HEREON

LEGAL DESCRIPTION

The Land referred to herein below is situated in the County of Columbia, State of Florida, and is described as follows:

Commence at the Southwest corner of the Southwest 1/4, Section 34, Township 3 South, Range 16 East, Columbia County, Florida and run thence North 06°09'09" East along the West line of said Southwest 1/4 321.31 feet to the Northerly right of way line of State Road No. 10 (U.S. Highway 90), thence South 63°54'24" East along said Northerly right of way line, 1215.59 feet to the Point of Beginning, thence continue South 63°54'24" East along said Northerly right of way line, 150.00 feet to the West right of way line of Plantation Boulevard, thence North 06°49'16" East along said West right of way line, 370.45 feet to a point of curve, thence Northerly along said West right of way line along said curve concave to the East having a radius of 1530.00 feet and a central angle of 01°00'04", an arc distance of 26.73 feet, thence North 63°54'24" West , 107.02 feet to a point on a curve, thence Southwesterly along said curve concave to the Northwest having a radius of 50.00 feet and a central angle of 56°08'18", an arc distance of 48.99 feet thence South 07°49'57" West 351.16 feet to the Point of Beginning, Less and Except that portion conveyed to the State of Florida Department of Transportation by that certain Warranty Deed recorded on March 4, 2005 in Official Records Book 1039, Page 2032.

Reserving however to Grantor, ownership of an advertising sign located on that portion of the above described property more described in that certain Warranty Deed recorded on March 4, 2005 in Official Records Book 1039, Page 2032.

AND

Together with a perpetual non-exclusive easement for ingress and egress over and across the above described lands to repair, replace and maintain said advertising sign.

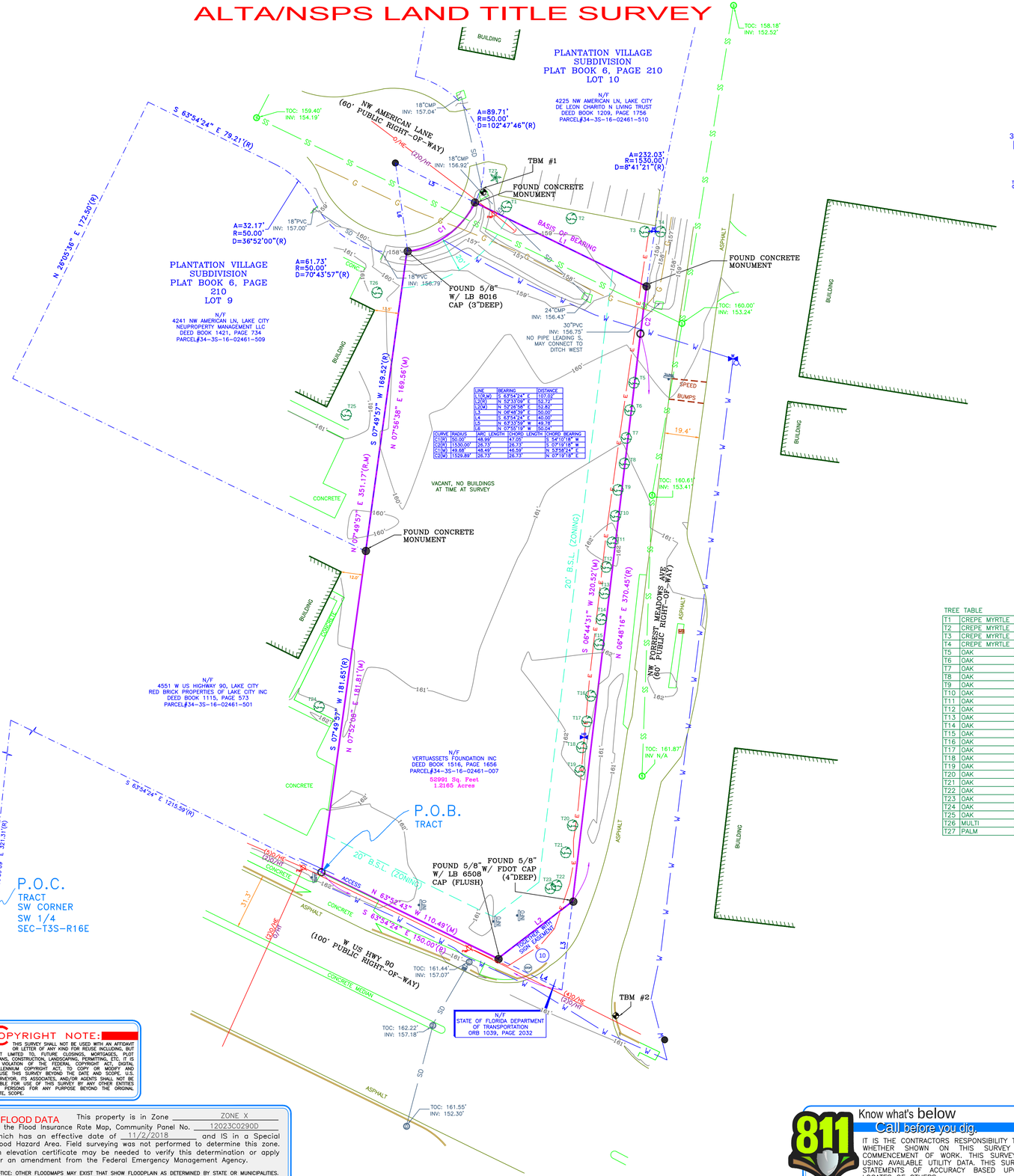
THE LEGAL DESCRIPTION, TO BE DETERMINED BY A SURVEY, IS TO BE PROVIDED TO THE COMPANY, BY A FLORIDA REGISTERED LAND SURVEYOR; MEETING THE MINIMUM STANDARDS FOR ALL LAND SURVEYS AS SET FORTH IN CHAPTER 472.027, FLORIDA STATUTES OR IN CHAPTER 21 HH 6, FLORIDA ADMINISTRATIVE CODE.

THE COMPANY RESERVES THE RIGHT TO MAKE SUCH ADDITIONAL SCHEDULE B-I, REQUIREMENTS; SCHEDULE B-II, EXCEPTIONS; AND/OR TO MODIFY THE FOREGOING LEGAL DESCRIPTION, AS IT DEEMS NECESSARY.

UTILITY COMPANIES

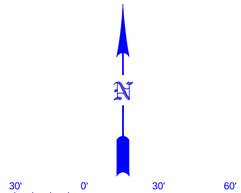
UTILITIES SHOWN ARE BASED ON LIMITED DATA. THERE IS NO GUARANTEE AS TO THEIR LOCATION OR SIZE. PLEASE CONTACT RESPECTIVE UTILITY COMPANIES PRIOR TO CONSTRUCTION. POSSIBLE CONTACTS IN THIS AREA ARE;

WATER- LAKE CITY UTILITES, (386) 719-5812
SEWER- LAKE CITY UTILITES, (386) 719-5812
STORM- LAKE CITY UTILITES, (386) 719-5812
ELECTRIC- FLORIDA POWER AND LIGHT, (888) 988-8249
TELEPHONE- AT&T, (800) 288-2020
CABLE- AT&T, (800) 288-2020
GAS- LAKE CITY UTILITES, (386) 719-5812
DOT- FLORIDA DEPARTMENT OF TRANSPORTATION, (866) 374-FDOT (3368)



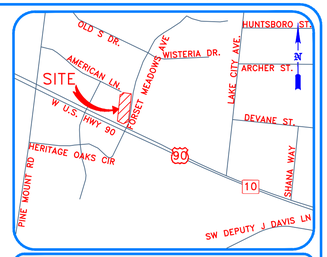
TREE TABLE

T1	CREPE MYRTLE	8"
T2	CREPE MYRTLE	4"
T3	CREPE MYRTLE	4"
T4	CREPE MYRTLE	12"
T5	OAK	24"
T6	OAK	16"
T7	OAK	18"
T8	OAK	14"
T9	OAK	12"
T10	OAK	18"
T11	OAK	20"
T12	OAK	16"
T13	OAK	18"
T14	OAK	16"
T15	OAK	24"
T16	OAK	20"
T17	OAK	18"
T18	OAK	18"
T19	OAK	18"
T20	OAK	24"
T21	OAK	18"
T22	OAK	3"
T23	OAK	3"
T24	OAK	40"
T25	OAK	40"
T26	MULTI	3"
T27	PALM	18"



NORTH INDEX IS DEED, (202412012354)

VICINITY MAP



NOT TO SCALE

STANDARD LEGEND

MONUMENT FOUND	POWERPOLE	SAN. SEWER LINE
SET 5/8" W/ CAP U.S. SURVEYOR LB 6899	GUY WIRE	SEWER MANHOLE
MAG NAIL FOUND	LIGHT POLE	GREASE TRAP
MAG NAIL SET	STREET LIGHT POLE	CLEAN OUT
X MARK AS NOTED	ELEC. TRANSFORMER	STORM DRAIN LINE
R.R. SPIKE FOUND	BURIED ELECTRIC	STORM DRAIN MANHOLE
R.R. SPIKE SET	OVERHEAD ELECTRIC	STORM INLET
BENCHMARK	ELECTRIC MANHOLE	CATCH BASIN
CONC. R/W MARKER	ELECTRIC METER	CURB INLET
(R) RECORD DATA	ELECTRIC BOX	TELEPHONE BOX
(M) MEASURED DATA	GENERATOR	TELEPHONE PEDESTAL
(C) CALCULATED DATA	ELECTRICAL VAULT	TELEPHONE VAULT
R/W RIGHT OF WAY	ELECTRICAL PEDESTAL	TELEPHONE MANHOLE
BSL BACK SET LINE	WATER LINE	TELEPHONE POLE
RCP REINFORCED CONC PIPE	WATER MANHOLE	TELEPHONE LINE
CMP CORRUGATED METAL PIPE	WATER VALVE	OVERHEAD TELEPHONE
PVC PLASTIC PIPE	WATER METER	UNDERGROUND TELEPHONE MARKER
MTL METAL	HYDRANT	CABLE TELEVISION
AGL ABOVE GROUND LEVEL	BACK FLOW PREVENTOR	FIBER OPTIC CABLE
S.F. SQUARE FOOT	FIRE DEPARTMENT CONNECTION	OVERHEAD CABLE
L/S LANDSCAPING	WATER VAULT	CABLE BOX
FUEL TANK LID	GAS VALVE	CABLE PEDESTAL
FLAG POLE	GAS METER	UNDERGROUND CABLE MARKER
UNKNOWN MANHOLE	GAS MARKER	TELECOMMUNICATIONS MANHOLE
FROZEN MANHOLE	GAS MANHOLE	TELECOMMUNICATIONS PEDESTAL
UNKNOWN VAULT	GAS LINE	TELECOMMUNICATIONS VAULT
UNKNOWN VAULT METAL	TRAFFIC POLE	FIBER OPTIC VAULT
MAIL BOX	TRAFFIC MANHOLE	FENCE
BOLLARD	TRAFFIC SIGNAL BOX	
BORE HOLE	TRAFFIC VAULT	
MONITORING WELL	STOP SIGN	
	SIGN	

SITE DATA

ZONING AND RESTRICTIONS SHOWN HEREON WERE OBTAINED BY A GENERAL REQUEST AT THE PUBLIC COUNTER OF THE LOCAL ZONING AUTHORITY. NO REPRESENTATION IS MADE FOR THE ACCURACY OR COMPLETENESS OF SAID THIRD PARTY INFORMATION. THIS FIRM IS NOT AN EXPERT IN THE INTERPRETATION OF COMPLEX ZONING ORDINANCES. COMPLIANCE IS BEYOND THE SCOPE OF THIS SURVEY. ANY USER OF SAID INFORMATION IS URGED TO CONTACT THE LOCAL AGENCY DIRECTLY.

1. ZONING: CI (COMMERCIAL, INTENSIVE)

SETBACKS-
- -FRONT= 20'
- -INTERIOR SIDE= NONE, EXCEPT WHERE A SIDE YARD IS PROVIDED, THEN A SIDE YARD OF AT LEAST 10' MUST BE PROVIDED
- -CORNER SIDE= 20'; 35' FROM WETLANDS AND PERENNIAL STREAMS AND CREEKS
- -REAR= 15'; 35' FROM WETLANDS AND PERENNIAL STREAMS AND CREEKS

HEIGHT RESTRICTIONS-
1. STRUCTURE HEIGHT FOR BUILDINGS SHALL BE REGULATED IN ACCORDANCE WITH CHAPTER 5 OF THE FLORIDA BUILDING CODE AND MINIMUM YARD REQUIREMENTS ESTABLISHED IN THESE LAND DEVELOPMENT REGULATIONS;
2. HEIGHT REQUIREMENTS FOR SIGNS SHALL BE AS ESTABLISHED IN SECTION 4.2.20.4(B); AND
3. HEIGHTS FOR STRUCTURES OTHER THAN BUILDINGS AND SIGNS SHALL BE REGULATED IN ACCORDANCE WITH STANDARDS ESTABLISHED BY THE FEDERAL AVIATION ADMINISTRATION CODES AND ANY REGULATIONS AND GUIDELINES AS MAY BE ESTABLISHED BY THE CITY AND/OR AIRPORT COMMITTEE OR AUTHORITY.

NO PARKING
RETAIL AND SERVICE ESTABLISHMENTS: 1 SPACE PER 150 SQUARE FEET OF NON-STORAGE FLOOR AREA

2. VERTICAL DATUM- NAVD 88, OPUS SOLUTION

3. BENCHMARK-
TBM 1- MAG NAIL, ELV. 158.54'
TBM 2- MAG NAIL, ELV. 161.69'

4. NOTES REGARDING TABLE A ITEMS 16 & 17-

NO OBSERVABLE EVIDENCE OF EARTH MOVING WORK, BUILDING CONSTRUCTION OR BUILDING ADDITIONS IN RECENT MONTHS.

NO OBSERVABLE CHANGES IN STREET RIGHT-OF-WAY LINES, RECENT STREET OR SIDEWALK REPAIRS.

5. UNDERGROUND UTILITIES SHOWN HEREON ARE FROM A REPORT FURNISHED BY BLOODHOUND UTILITY LOCATORS.

6. DISTANCE UNITS ARE BASED ON THE US SURVEY FOOT DEFINITION (1'=1200/3937 METERS, OR APPROXIMATELY 1'=0.30480061 METERS)

IMPROVEMENT NOTES

THIS IS A LISTING OF OBSERVED IMPROVEMENTS THAT CROSS DEED LINES. STATEMENT OF OWNERSHIP OR POSSESSION IS NOT THE INTENT OF THIS LISTING.

(A1) NONE

SURVEYOR NOTES

THIS SURVEY IS SUBJECT TO ANY AND ALL ENFORCEABLE RESTRICTIVE COVENANTS.

ITEMS LISTED BELOW MAY REPRESENT AN EASEMENT THAT WAS NOT SHOWN IN SCHEDULE B DOCUMENTS

(A2) NONE

RECORD CLOSURE 1:529.7
MEASURED CLOSURE 1:50,000

CERTIFICATION IS ONLY TO THE PARTIES HEREIN NAMED.
THIS SURVEY IS NOT VALID FOR ANY FUTURE TRANSACTIONS OF THIS PROPERTY.

ALTA/NSPS LAND TITLE SURVEY

SURVEYOR'S CERTIFICATION

TO: AUTOZONE; FIRST AMERICAN TITLE INSURANCE COMPANY COMPANY
THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2021 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES ITEMS 1, 2, 3, 4, 5 7a, 7b(1), 7c, 8, 9, 10, 13, 16, 17, 18, 19 & 20 OF TABLE A THEREOF. THE FIELDWORK WAS COMPLETED ON JULY 31, 2024.

I HEREBY CERTIFY THAT THIS SURVEY WAS MADE UNDER MY RESPONSIBLE CHARGE AND MEETS THE MINIMUM TECHNICAL STANDARDS AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 5J17, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES.

For inquiries, questions or concerns about this survey contact mjfeldbusch@ussurveyor.com or call 1-800-867-8783 ext. 201

U.S. SURVEYOR®
4929 Riverwind Pointe Drive
Evansville, Indiana 47715
NATIONWIDE REAL ESTATE DUE DILIGENCE
1-800- TO SURVEY

PREPARED FOR:

AUTOZONE

PROJECT LOCATION:

COLUMBIA COUNTY, STATE OF FLORIDA

PROJECT ADDRESS:
US HWY 90 & FOREST MEADOWS AVE.
LAKE CITY, FL 32055

PROJECT TYPE:
ALTA/NSPS LAND TITLE SURVEY

LB NO. 0006899
EB# 6403

MICHAEL J. FELDBUSCH License Number 7358 STATE OF FLORIDA Professional Surveyor and Mapper

PROFORMA
MICHAEL J. FELDBUSCH, PSM
FLORIDA REGISTRATION No. 7358
DATE OF CERTIFICATION 08/13/2024
NOT VALID WITHOUT THE ORIGINAL RAISED SEAL AND SIGNATURE OF A FLORIDA LICENSED SURVEYOR AND MAPPER.

SHEET 1 OF 1

JOB NUMBER: SS56756.DWG

FLOOD DATA This property is in Zone ZONE X of the Flood Insurance Rate Map, Community Panel No. 12023C0290D which has an effective date of 11/2/2018 and IS in a Special Flood Hazard Area. Field surveying was not performed to determine this zone. An elevation certificate may be needed to verify this determination or apply for an amendment from the Federal Emergency Management Agency.

NOTICE: OTHER FLOODMAPS MAY EXIST THAT SHOW FLOODPLAIN AS DETERMINED BY STATE OR MUNICIPALITIES. THE CERTIFICATION ONLY COVERS THE FEMA FIRM MAP REFERENCED HEREON.

811 Know what's below Call before you dig.
IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE ALL UTILITIES, WHETHER SHOWN ON THIS SURVEY OR NOT PRIOR TO COMMENCEMENT OF WORK. THIS SURVEY HAS BEEN PREPARED USING AVAILABLE UTILITY DATA. THIS SURVEYOR DOES NOT MAKE STATEMENTS OF ACCURACY BASED UPON MAPS AND UTILITY LOCATES OF OTHERS.

DATE OF ORIGINAL: AUGUST 13, 2024
REVISION: _____ DATE: _____, 2024
REVISION: _____ DATE: _____, 2024
REVISION: _____ DATE: _____, 2024
FIELD SURVEY: EV CAD: CB/KJW PLS REVIEW: _____

STORMWATER DESIGN CALCULATIONS

For

AutoZone Lake City

Prepared For

Suwannee River Water Management District

City of Lake City

Florida Department of Transportation

A Full Service Design Firm

LOCATED NEAR:

NW Corner of US-90 W. & NW Forest Meadows Ave
Lake City, FL 32055

Prepared by CPH, Inc.

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY MATTHEW S. D'ANGELO, PE 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.

Matthew S D'Angelo

Digitally signed by Matthew S D'Angelo
DN: C=US, O=Unaffiliated, dnQualifier=A01410C0000018F0C30D7E40011E3B1, CN=Matthew S D'Angelo
Reason: I am the author of this document
Location:
Date: 2025.03.19 16:13:06-04'00'
Foxit PDF Editor Version: 13.0.1

Matthew S. D'Angelo, P.E.

FL 91885
P.E. Number

March 19, 2025
Date

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Tampa, FL 33609
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Table of Contents

Existing Conditions:

The proposed project site is a vacant land located near the NW Corner of Highway 90 and Forest Meadows Ave. Lake City, Florida 32005. The parcel ID of the property is: 34-3S-16-03461-007 and it has a total area of approximately 1.23 Acre. The existing project site is delineated into one (1) onsite pre-basin (ref. pre-basin map). According to USDA Soil Survey and TR55, the on-site soil is composed of Blanton fine sand (0.5) percent slope; and is classified as hydrologic soil group ‘’A” (HSG A). The seasonal high-water table (SHWT) was estimated by the geotechnical engineer to be approximately 6.8 feet below the existing ground elevation of the site. The geotechnical analysis is provided under separate cover. The project site appears to lie within FEMA Flood “Zone X” according to FIRM Pannel 1203C0290D.

Stormwater Management System Analysis:

The project site will re-direct stormwater runoff from the proposed development to the proposed on-site wet pond. The proposed project site is delineated into one (1) on-site post basin (ref. post basin map).

The presumptive water quality treatment volume required for dry retention by SRWMD is 1" over the project site. A model of the project site was created in ICPR 4.07.06 to determine the pre/post-development peak stages and discharge rates. The FLMOD Water Management District Storms were modeled to analyze the peak stage and discharge.

A drawdown calculation of the treatment volume for the proposed system was performed using slug load to verify the dry retention system recovers within 72 hours. In the analysis, the initial stage of the pond was set to the treatment volume elevation.

A factor of safety of 2 was applied to the permeability during drawdown analysis. The treatment volume recovery time of the dry retention is within 72 hours. Drawdown calculations are provided in the report below.

Table 1: Time of Concentration Calculations

Basin ID	Time of Concentration
Pre-Basin	29 minutes
Post-Basin	10 minutes

Sheet Flow (Applicable to T_c only)		Segment ID	1		
1. Surface Description (Table 3-1)			Short Grass Praire		
2. Manning's Roughness Coefficent, n (Table 3-1)			0.15		
3. Flow Length, L (Total L ≤ 300 feet)		feet	300		
4. Two-year 24 hour rainfall, P2		inches	4.26		
5. Land Slope, s		ft/ft	0.009		
6. Tt	$T_t = \frac{0.007(nL)^{0.8}}{P_2^{0.5} s^{0.4}}$	min.	28.24	0.00	28.24

Table 2: Impervious/Pervious Areas

	IMPERVIOUS AREA (SF)	IMPERVIOUS AREA (ACRE)	PERVIOUS AREA (SF)	PERVIOUS AREA (ACRE)	TOTAL AREA (SF)	TOTAL AREA (ACRE)	WEIGHTED CN	% IMPERVIOUS
Pre-Basin	0.00	0.00	53143.2	1.22	53143.2	1.22	68.00	0.00%
Post-Basin	28453.00	0.65	24690.2	0.57	53143.2	1.22	84.06	53.54%

Table 3: Stage Storage Tabulation

Pond 1

Elevation	Type	Area (SF)	Area (Acres)	Inc. Volume (Ac-Ft)	Cum. Volume (Ac-Ft)
156	Pond 1	4121	0.095	0.00	0.000
157	Pond 1	5190	0.119	0.11	0.107
158	Pond 1	6359	0.146	0.13	0.239
159	Pond 1	7629	0.175	0.16	0.400
160	Pond 1	8999	0.207	0.19	0.591

Table 4: Peak Stage & Discharge

STORM	Pre Basin (CFS)	Post Basin 1 (CFS)	Peak Stage Pond 1
100 YR 24 HR	3.7	3.44	158.97
FDOT 10 YR 1 HR	0.83	0.41	157.43
FDOT 10 YR 2 HR	0.8	0.65	157.67
FDOT 10 YR 24 HR	0.42	0.51	157.51
FDOT 10 YR 4 HR	0.9	0.77	157.86
FDOT 10 YR 72 HR	0.4	0.43	157.45
FDOT 10 YR 8 HR	0.95	0.76	157.85
FDOT 100 YR 1 HR	1.68	0.81	157.93
FDOT 100 YR 2 HR	1.57	0.96	158.23
FDOT 100 YR 24 HR	0.79	0.75	157.84
FDOT 100 YR 4 HR	1.61	1.07	158.48
FDOT 100 YR 72 HR	0.66	0.65	157.68
FDOT 100 YR 8 HR	1.83	1.10	158.57
FDOT 2 YR 1 HR	0.4	0.05	157.09
FDOT 2 YR 2 HR	0.27	0.19	157.25
FDOT 2 YR 24 HR	0.17	0.24	157.28
FDOT 2 YR 4 HR	0.36	0.33	157.36
FDOT 2 YR 72 HR	0.22	0.27	157.31
FDOT 2 YR 8 HR	0.4	0.38	157.40
FDOT 25 YR 1 HR	1.11	0.60	157.60
FDOT 25 YR 2 HR	1.11	0.79	157.90
FDOT 25 YR 24 HR	0.56	0.61	157.62
FDOT 25 YR 4 HR	1.19	0.91	158.12
FDOT 25 YR 72 HR	0.51	0.54	157.53
FDOT 25 YR 8 HR	1.29	0.91	158.13
FDOT 3 YR 1 HR	0.5	0.12	157.18
FDOT 3 YR 2 HR	0.34	0.27	157.31
FDOT 3 YR 24 HR	0.2	0.26	157.30
FDOT 3 YR 4 HR	0.44	0.41	157.43
FDOT 3 YR 72 HR	0.24	0.29	157.32
FDOT 3 YR 8 HR	0.42	0.40	157.42
FDOT 5 YR 1 HR	0.59	0.20	157.25
FDOT 5 YR 2 HR	0.47	0.41	157.43
FDOT 5 YR 24 HR	0.25	0.32	157.35
FDOT 5 YR 4 HR	0.58	0.57	157.56
FDOT 5 YR 72 HR	0.29	0.34	157.36

FDOT 5 YR 8 HR	0.57	0.55	157.54
FDOT 50 YR 1 HR	1.27	0.67	157.70
FDOT 50 YR 2 HR	1.25	0.85	158.01
FDOT 50 YR 24 HR	0.63	0.66	157.69
FDOT 50 YR 4 HR	1.33	0.97	158.24
FDOT 50 YR 72 HR	0.56	0.58	157.57
FDOT 50 YR 8 HR	1.46	0.98	158.27

Table 5: Hydraflow HGL Calculations

	Elevation (NAV88)
Minimum Parking Lot Inlet Elevation	157.51
Minimum FFE	159.97

Conclusion:

The proposed pond system satisfies the water quality and attenuation requirements of the Suwannee River Water Management District (SRWMD) and the City of Lake City, Florida and FDOT. Additionally, post-development discharge is limited to below pre-development discharge and the peak stage of the stormwater management system is below the pond top of bank elevation.

The stormwater management system accommodates proposed onsite development and maintains historical drainage patterns with no anticipated adverse effect to neighboring properties.

PRE BASIN 1
(1.23 Acre)

REVISIONS

1	2	3
4	5	6

AutoZone Store No. FL10562
NWC OF US-90 W &
NW FOREST MEADOWS AVE,
LAKE CITY, FLORIDA 32055

Owner / Developer: AUTOZONE STORES LLC
123 South Front Street, 3rd Floor
Memphis, Tennessee 38103
TEL: 901-495-8709 FAX: (901) 495-8969

For Bidding & Contractor Information Contact:
Dodge Data & Analytics. Tel: 413-930-4215
Cindy.searcy@construction.com

MATTHEW S. D'ANGELO LICENSE FLORIDA PROFESSIONAL ENGINEER
MATTHEW S. D'ANGELO
FL/P.E. No. 91885
09/21/22

3/19/2025

7N2

PRE BASIN MAP

Always call 811 two full business days before you dig
Sunshine811.com
www.sunshine811.com

cph
www.cphcorp.com

Plans Prepared By:
CPH, Inc.
5601 Mariner Street, Suite 105 Tampa, FL 33609
Ph: 813.288.0233
Eng. C.O.A. No. 3215 Arch. Lic. No. AA26000926
Survey L.B. No. 7143 Landscp. Lic. No. LC0000298

THIS SHEET NOT VALID FOR CONSTRUCTION WITHOUT COMPLETE SET OF PLANS. SEE GENERAL NOTES FOR MASTER LEGEND.

C:\Users\mpokhrel\Desktop\23 Sep\A20190_Autozone Lake City\A20190 - Pre Basin Map_3.19.2025.dwg, 3/19/2025 11:00:34 AM, Mahesh Pokhrel, CPH FULLSIZE.ctb


Pre-Basin 1
Tailwater

Simple Basin: Pre-Basin 1

Scenario:	Scenario1
Node:	Tailwater
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	28.6300 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.2200 ac
Curve Number:	68.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment: Open space, poor condition condition. HSG A.

Simulation: 100 YR 24 HR

Scenario:	Scenario1
Run Date/Time:	3/7/2025 3:50:23 PM
Program Version:	ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	24.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

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

IA Recovery Time: 24.0000 hr
Smp/Man Basin Rain Opt: Global
Rainfall Name: ~SCSII-24
Rainfall Amount: 9.84 in
Storm Duration: 24.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

Simulation: FDOT 10 YR 1 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:50:43 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	1.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN

Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

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

Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Opt: Global

Rainfall Name: ~FDOT-1
Rainfall Amount: 3.05 in
Storm Duration: 1.0000 hr

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

Comment:

Simulation: FDOT 10 YR 2 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:50:44 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	2.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

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

IA Recovery Time: 24.0000 hr
Smp/Man Basin Rain: Global

		Opt:	
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-2
		Rainfall Amount:	3.70 in
Edge Length Option:	Automatic	Storm Duration:	2.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: FDOT 10 YR 24 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:50:47 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	24.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources		Lookup Tables	
Rainfall Folder:		Boundary Stage Set:	
		Extern Hydrograph Set:	
Unit Hydrograph Folder:		Curve Number Set:	CN
		Green-Ampt Set:	
		Vertical Layers Set:	
		Impervious Set:	1

Tolerances & Options			
Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-24
		Rainfall Amount:	6.72 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: FDOT 10 YR 4 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:50:59 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	4.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

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

IA Recovery Time: 24.0000 hr
Smp/Man Basin Rain Opt: Global
Rainfall Name: ~FDOT-4
Rainfall Amount: 4.40 in
Storm Duration: 4.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

Simulation: FDOT 10 YR 72 HR

Scenario: Scenario1

Run Date/Time: 3/7/2025 3:51:07 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	72.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN

Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

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

IA Recovery Time: 24.0000 hr
Smp/Man Basin Rain Opt: Global

Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-72
		Rainfall Amount:	8.30 in
Edge Length Option:	Automatic	Storm Duration:	72.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: FDOT 10 YR 8 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:51:40 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	8.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Lookup Tables

Boundary Stage Set:

		Extern Hydrograph Set:	
Unit Hydrograph Folder:		Curve Number Set:	CN
		Green-Ampt Set:	
		Vertical Layers Set:	
		Impervious Set:	1

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-8
		Rainfall Amount:	5.12 in
Edge Length Option:	Automatic	Storm Duration:	8.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: FDOT 100 YR 1 HR

Scenario:	Scenario1
Run Date/Time:	3/7/2025 3:51:46 PM
Program Version:	ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	1.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

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

IA Recovery Time: 24.0000 hr
Smp/Man Basin Rain Opt: Global
Rainfall Name: ~FDOT-1
Rainfall Amount: 4.20 in
Storm Duration: 1.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

Simulation: FDOT 100 YR 2 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:51:48 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	2.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

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

IA Recovery Time: 24.0000 hr
Smp/Man Basin Rain Opt: Global
Rainfall Name: ~FDOT-2
Rainfall Amount: 5.10 in

Edge Length Option:	Automatic	Storm Duration:	2.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: FDOT 100 YR 24 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:51:52 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	24.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN

Folder:			
		Green-Ampt Set:	
		Vertical Layers Set:	
		Impervious Set:	1

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-24
		Rainfall Amount:	9.84 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: FDOT 100 YR 4 HR

Scenario:	Scenario1
Run Date/Time:	3/7/2025 3:52:05 PM
Program Version:	ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	4.0000

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

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

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

IA Recovery Time: 24.0000 hr
Smp/Man Basin Rain Opt: Global
Rainfall Name: ~FDOT-4
Rainfall Amount: 6.08 in
Storm Duration: 4.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

Simulation: FDOT 100 YR 72 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:52:09 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	72.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

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

IA Recovery Time: 24.0000 hr
Smp/Man Basin Rain Opt: Global
Rainfall Name: ~FDOT-72
Rainfall Amount: 12.40 in
Storm Duration: 72.0000 hr

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

Comment:

Simulation: FDOT 100 YR 8 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:53:56 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	8.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN

Green-Ampt Set:	
Vertical Layers Set:	
Impervious Set:	1

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-8
		Rainfall Amount:	7.36 in
Edge Length Option:	Automatic	Storm Duration:	8.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: FDOT 2 YR 1 HR

Scenario:	Scenario1
Run Date/Time:	3/7/2025 3:54:05 PM
Program Version:	ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	1.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

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

IA Recovery Time: 24.0000 hr
Smp/Man Basin Rain Opt: Global
Rainfall Name: ~FDOT-1
Rainfall Amount: 2.30 in
Storm Duration: 1.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

Simulation: FDOT 2 YR 2 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:54:13 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	2.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

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

IA Recovery Time: 24.0000 hr
Smp/Man Basin Rain Opt: Global
Rainfall Name: ~FDOT-2
Rainfall Amount: 2.45 in
Storm Duration: 2.0000 hr
Dflt Damping (1D): 0.0050 ft

Min Node Srf Area (1D):	100 ft2
Energy Switch (1D):	Energy

Comment:

Simulation: FDOT 2 YR 24 HR

Scenario:	Scenario1
Run Date/Time:	3/7/2025 3:54:19 PM
Program Version:	ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	24.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set: CN

Green-Ampt Set:

Vertical Layers Set:

Impervious Set: 1

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-24
		Rainfall Amount:	4.30 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: FDOT 2 YR 4 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:54:48 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	4.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

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

IA Recovery Time: 24.0000 hr
Smp/Man Basin Rain Opt: Global
Rainfall Name: ~FDOT-4
Rainfall Amount: 2.85 in
Storm Duration: 4.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

Simulation: FDOT 2 YR 72 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:54:56 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

Year	Month	Day	Hour [hr]

Start Time:	0	0	0	0.0000
End Time:	0	0	0	72.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

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

IA Recovery Time: 24.0000 hr
Smp/Man Basin Rain Opt: Global
Rainfall Name: ~FDOT-72
Rainfall Amount: 5.50 in
Storm Duration: 72.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2

Energy Switch (1D): Energy

Comment:

Simulation: FDOT 2 YR 8 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:56:07 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	8.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN

Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-8
		Rainfall Amount:	3.45 in
Edge Length Option:	Automatic	Storm Duration:	8.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: FDOT 25 YR 1 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:56:14 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	1.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources		Lookup Tables	
Rainfall Folder:		Boundary Stage Set:	
		Extern Hydrograph Set:	
Unit Hydrograph Folder:		Curve Number Set:	CN
		Green-Ampt Set:	
		Vertical Layers Set:	
		Impervious Set:	1

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-1
		Rainfall Amount:	3.45 in
Edge Length Option:	Automatic	Storm Duration:	1.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: FDOT 25 YR 2 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:56:17 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

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

End Time:	0	0	0	2.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

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

IA Recovery Time: 24.0000 hr
Smp/Man Basin Rain Opt: Global
Rainfall Name: ~FDOT-2
Rainfall Amount: 4.30 in
Storm Duration: 2.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

Simulation: FDOT 25 YR 24 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:56:20 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	24.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-24
		Rainfall Amount:	7.92 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: FDOT 25 YR 4 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:56:52 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	4.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

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

IA Recovery Time: 24.0000 hr
Smp/Man Basin Rain Opt: Global
Rainfall Name: ~FDOT-4
Rainfall Amount: 5.12 in
Storm Duration: 4.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

Simulation: FDOT 25 YR 72 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:57:04 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	72.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

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

IA Recovery Time: 24.0000 hr
Smp/Man Basin Rain Opt: Global
Rainfall Name: ~FDOT-72
Rainfall Amount: 10.00 in
Storm Duration: 72.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

Simulation: FDOT 25 YR 8 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:58:14 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	8.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

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

IA Recovery Time: 24.0000 hr
Smp/Man Basin Rain: Global

		Opt:	
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-8
		Rainfall Amount:	6.00 in
Edge Length Option:	Automatic	Storm Duration:	8.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: FDOT 3 YR 1 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:58:20 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	1.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources		Lookup Tables	
Rainfall Folder:		Boundary Stage Set:	
		Extern Hydrograph Set:	
Unit Hydrograph Folder:		Curve Number Set:	CN
		Green-Ampt Set:	
		Vertical Layers Set:	
		Impervious Set:	1

Tolerances & Options			
Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-1
		Rainfall Amount:	2.50 in
Edge Length Option:	Automatic	Storm Duration:	1.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: FDOT 3 YR 2 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:58:22 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	2.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

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

IA Recovery Time: 24.0000 hr
Smp/Man Basin Rain Opt: Global
Rainfall Name: ~FDOT-2
Rainfall Amount: 2.64 in
Storm Duration: 2.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

Simulation: FDOT 3 YR 24 HR

Scenario: Scenario1

Run Date/Time: 3/7/2025 3:58:24 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	24.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN

Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

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

IA Recovery Time: 24.0000 hr
Smp/Man Basin Rain Opt: Global

Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-24
		Rainfall Amount:	4.56 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: FDOT 3 YR 4 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:58:36 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	4.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Lookup Tables

Boundary Stage Set:

		Extern Hydrograph Set:	
Unit Hydrograph Folder:		Curve Number Set:	CN
		Green-Ampt Set:	
		Vertical Layers Set:	
		Impervious Set:	1

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-4
		Rainfall Amount:	3.08 in
Edge Length Option:	Automatic	Storm Duration:	4.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: FDOT 3 YR 72 HR

Scenario:	Scenario1
Run Date/Time:	3/7/2025 3:58:43 PM
Program Version:	ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	72.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

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

IA Recovery Time: 24.0000 hr
Smp/Man Basin Rain Opt: Global
Rainfall Name: ~FDOT-72
Rainfall Amount: 5.80 in
Storm Duration: 72.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

Simulation: FDOT 3 YR 8 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:59:04 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	8.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

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

IA Recovery Time: 24.0000 hr
Smp/Man Basin Rain Opt: Global
Rainfall Name: ~FDOT-8
Rainfall Amount: 3.52 in

Edge Length Option:	Automatic	Storm Duration:	8.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: FDOT 5 YR 1 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:59:09 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	1.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN

Folder:			
		Green-Ampt Set:	
		Vertical Layers Set:	
		Impervious Set:	1

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-1
		Rainfall Amount:	2.65 in
Edge Length Option:	Automatic	Storm Duration:	1.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: FDOT 5 YR 2 HR

Scenario:	Scenario1
Run Date/Time:	3/7/2025 3:59:14 PM
Program Version:	ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	2.0000

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

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

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

IA Recovery Time: 24.0000 hr
Smp/Man Basin Rain Opt: Global
Rainfall Name: ~FDOT-2
Rainfall Amount: 2.98 in
Storm Duration: 2.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

Simulation: FDOT 5 YR 24 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:59:25 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	24.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

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

IA Recovery Time: 24.0000 hr
Smp/Man Basin Rain Opt: Global
Rainfall Name: ~FDOT-24
Rainfall Amount: 5.10 in
Storm Duration: 24.0000 hr

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

Comment:

Simulation: FDOT 5 YR 4 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:59:34 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	4.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN

Green-Ampt Set:	
Vertical Layers Set:	
Impervious Set:	1

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-4
		Rainfall Amount:	3.52 in
Edge Length Option:	Automatic	Storm Duration:	4.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: FDOT 5 YR 72 HR

Scenario:	Scenario1
Run Date/Time:	3/7/2025 3:59:37 PM
Program Version:	ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	72.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

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

IA Recovery Time: 24.0000 hr
Smp/Man Basin Rain Opt: Global
Rainfall Name: ~FDOT-72
Rainfall Amount: 6.62 in
Storm Duration: 72.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

Simulation: FDOT 5 YR 8 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 4:00:10 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	8.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

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

IA Recovery Time: 24.0000 hr
Smp/Man Basin Rain Opt: Global
Rainfall Name: ~FDOT-8
Rainfall Amount: 4.02 in
Storm Duration: 8.0000 hr
Dflt Damping (1D): 0.0050 ft

Min Node Srf Area (1D):	100 ft2
Energy Switch (1D):	Energy

Comment:

Simulation: FDOT 50 YR 1 HR

Scenario:	Scenario1
Run Date/Time:	3/7/2025 4:00:19 PM
Program Version:	ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	1.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set: CN

Green-Ampt Set:

Vertical Layers Set:

Impervious Set: 1

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-1
		Rainfall Amount:	3.67 in
Edge Length Option:	Automatic	Storm Duration:	1.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: FDOT 50 YR 2 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 4:00:21 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	2.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

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

IA Recovery Time: 24.0000 hr
Smp/Man Basin Rain Opt: Global
Rainfall Name: ~FDOT-2
Rainfall Amount: 4.55 in
Storm Duration: 2.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

Simulation: FDOT 50 YR 24 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 4:00:24 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

Year	Month	Day	Hour [hr]

Start Time:	0	0	0	0.0000
End Time:	0	0	0	24.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

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

IA Recovery Time: 24.0000 hr
Smp/Man Basin Rain Opt: Global
Rainfall Name: ~FDOT-24
Rainfall Amount: 8.54 in
Storm Duration: 24.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2

Energy Switch (1D): Energy

Comment:

Simulation: FDOT 50 YR 4 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 4:00:41 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	4.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN

Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-4
		Rainfall Amount:	5.45 in
Edge Length Option:	Automatic	Storm Duration:	4.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: FDOT 50 YR 72 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 4:00:45 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	72.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

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

IA Recovery Time: 24.0000 hr
Smp/Man Basin Rain Opt: Global
Rainfall Name: ~FDOT-72
Rainfall Amount: 10.80 in
Storm Duration: 72.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

Simulation: FDOT 50 YR 8 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 4:01:13 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

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

End Time:	0	0	0	8.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

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

IA Recovery Time: 24.0000 hr
Smp/Man Basin Rain Opt: Global
Rainfall Name: ~FDOT-8
Rainfall Amount: 6.45 in
Storm Duration: 8.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

Node: Tailwater

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 156.43 ft
Warning Stage: 9999.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	156.43
0	0	0	24.0000	156.43

Comment:

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
Tailwater	100 YR 24 HR	9999.00	156.43	0.0000	3.70	0.00	0
Tailwater	FDOT 10 YR 1 HR	9999.00	156.43	0.0000	0.83	0.00	0
Tailwater	FDOT 10 YR 2 HR	9999.00	156.43	0.0000	0.80	0.00	0
Tailwater	FDOT 10 YR 24 HR	9999.00	156.43	0.0000	0.42	0.00	0
Tailwater	FDOT 10 YR 4 HR	9999.00	156.43	0.0000	0.90	0.00	0
Tailwater	FDOT 10 YR 72 HR	9999.00	156.43	0.0000	0.40	0.00	0
Tailwater	FDOT 10 YR 8 HR	9999.00	156.43	0.0000	0.95	0.00	0
Tailwater	FDOT 100 YR 1 HR	9999.00	156.43	0.0000	1.68	0.00	0
Tailwater	FDOT 100 YR 2 HR	9999.00	156.43	0.0000	1.57	0.00	0
Tailwater	FDOT 100 YR 24 HR	9999.00	156.43	0.0000	0.79	0.00	0
Tailwater	FDOT 100 YR 4 HR	9999.00	156.43	0.0000	1.61	0.00	0
Tailwater	FDOT 100 YR 72 HR	9999.00	156.43	0.0000	0.66	0.00	0
Tailwater	FDOT 100 YR	9999.00	156.43	0.0000	1.83	0.00	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	8 HR						
Tailwater	FDOT 2 YR 1 HR	9999.00	156.43	0.0000	0.40	0.00	0
Tailwater	FDOT 2 YR 2 HR	9999.00	156.43	0.0000	0.27	0.00	0
Tailwater	FDOT 2 YR 24 HR	9999.00	156.43	0.0000	0.17	0.00	0
Tailwater	FDOT 2 YR 4 HR	9999.00	156.43	0.0000	0.36	0.00	0
Tailwater	FDOT 2 YR 72 HR	9999.00	156.43	0.0000	0.22	0.00	0
Tailwater	FDOT 2 YR 8 HR	9999.00	156.43	0.0000	0.40	0.00	0
Tailwater	FDOT 25 YR 1 HR	9999.00	156.43	0.0000	1.11	0.00	0
Tailwater	FDOT 25 YR 2 HR	9999.00	156.43	0.0000	1.11	0.00	0
Tailwater	FDOT 25 YR 24 HR	9999.00	156.43	0.0000	0.56	0.00	0
Tailwater	FDOT 25 YR 4 HR	9999.00	156.43	0.0000	1.19	0.00	0
Tailwater	FDOT 25 YR 72 HR	9999.00	156.43	0.0000	0.51	0.00	0
Tailwater	FDOT 25 YR 8 HR	9999.00	156.43	0.0000	1.29	0.00	0
Tailwater	FDOT 3 YR 1 HR	9999.00	156.43	0.0000	0.50	0.00	0
Tailwater	FDOT 3 YR 2 HR	9999.00	156.43	0.0000	0.34	0.00	0
Tailwater	FDOT 3 YR 24 HR	9999.00	156.43	0.0000	0.20	0.00	0
Tailwater	FDOT 3 YR 4 HR	9999.00	156.43	0.0000	0.44	0.00	0
Tailwater	FDOT 3 YR 72 HR	9999.00	156.43	0.0000	0.24	0.00	0
Tailwater	FDOT 3 YR 8 HR	9999.00	156.43	0.0000	0.42	0.00	0
Tailwater	FDOT 5 YR 1 HR	9999.00	156.43	0.0000	0.59	0.00	0
Tailwater	FDOT 5 YR 2 HR	9999.00	156.43	0.0000	0.47	0.00	0
Tailwater	FDOT 5 YR 24 HR	9999.00	156.43	0.0000	0.25	0.00	0
Tailwater	FDOT 5 YR 4 HR	9999.00	156.43	0.0000	0.58	0.00	0
Tailwater	FDOT 5 YR 72 HR	9999.00	156.43	0.0000	0.29	0.00	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
Tailwater	FDOT 5 YR 8 HR	9999.00	156.43	0.0000	0.57	0.00	0
Tailwater	FDOT 50 YR 1 HR	9999.00	156.43	0.0000	1.27	0.00	0
Tailwater	FDOT 50 YR 2 HR	9999.00	156.43	0.0000	1.25	0.00	0
Tailwater	FDOT 50 YR 24 HR	9999.00	156.43	0.0000	0.63	0.00	0
Tailwater	FDOT 50 YR 4 HR	9999.00	156.43	0.0000	1.33	0.00	0
Tailwater	FDOT 50 YR 72 HR	9999.00	156.43	0.0000	0.56	0.00	0
Tailwater	FDOT 50 YR 8 HR	9999.00	156.43	0.0000	1.46	0.00	0

POST BASIN 1
(1.23 Acre)

AutoZone
BLDG. AREA = 7,381 SQ. FT.
FINISH FLOOR ELEV. = 163
PARKING SPACES = 24

STOP

BASIS OF BEARING

REVISIONS

1	2	3
4	5	6

AutoZone Store No. FL10562
NWC OF US-90 W &
NW FOREST MEADOWS AVE,
LAKE CITY, FLORIDA 32055

Owner / Developer: AUTOZONE STORES LLC
123 South Front Street, 3rd Floor
Memphis, Tennessee 38103
TEL: 901-495-8709 FAX: (901) 495-8969

For Bidding & Contractor Information Contact:
Dodge Data & Analytics. Tel. 413-930-4215
Cindy.searcy@construction.com

MATTHEW S. D'ANGELO
FL/P.E. No. 91885
09/21/22

3/19/2025

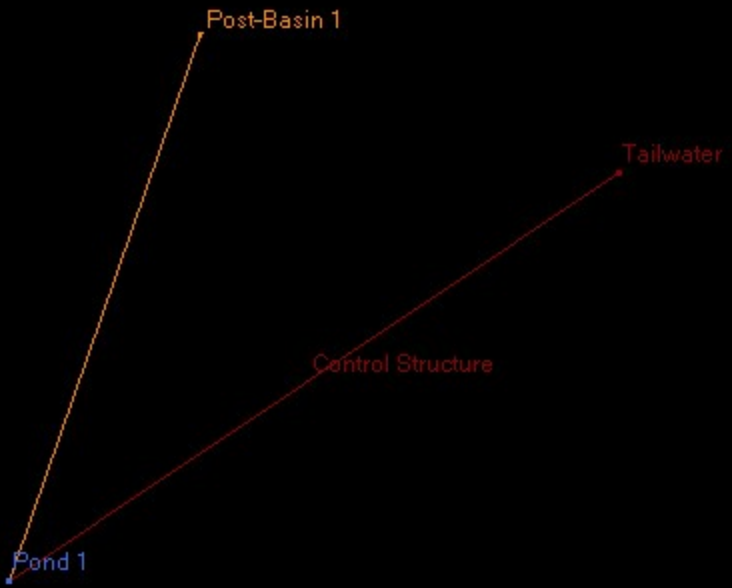
7N2

POST BASIN MAP

Always call 811 two full business days before you dig
Sunshine811.com
www.sunshine811.com

Plans Prepared By:
CPH, Inc.
5601 Mariner Street, Suite 105 Tampa, FL 33609
Ph: 813.288.0233
Eng. C.O.A. No. 3215 Arch. Lic. No. AA26000926
Survey L.B. No. 7143 Landscp. Lic. No. LC0000298
www.cphcorp.com

THIS SHEET NOT VALID FOR CONSTRUCTION WITHOUT COMPLETE SET OF PLANS. SEE GENERAL NOTES FOR MASTER LEGEND.


Post-Basin 1
Tailwater
Control Structure
Pond 1

Simple Basin: Post-Basin 1

Scenario:	Scenario1
Node:	Pond 1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.2200 ac
Curve Number:	68.0
% Impervious:	53.54
% DCIA:	53.54
% Direct:	0.00
Rainfall Name:	

Comment: Open space, poor condition condition. HSG A.

Simulation: 100 YR 24 HR

Scenario:	Scenario1
Run Date/Time:	3/7/2025 3:25:21 PM
Program Version:	ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	24.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

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

IA Recovery Time: 24.0000 hr
Smp/Man Basin Rain Opt: Global
Rainfall Name: ~SCSII-24
Rainfall Amount: 9.84 in
Storm Duration: 24.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

Simulation: FDOT 10 YR 1 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:25:31 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	1.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

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

IA Recovery Time: 24.0000 hr
Smp/Man Basin Rain Opt: Global
Rainfall Name: ~FDOT-1
Rainfall Amount: 3.05 in
Storm Duration: 1.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

Simulation: FDOT 10 YR 2 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:25:34 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	2.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

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

IA Recovery Time: 24.0000 hr
Smp/Man Basin Rain: Global

		Opt:	
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-2
		Rainfall Amount:	3.70 in
Edge Length Option:	Automatic	Storm Duration:	2.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: FDOT 10 YR 24 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:25:37 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	24.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources		Lookup Tables	
Rainfall Folder:		Boundary Stage Set:	
		Extern Hydrograph Set:	
Unit Hydrograph Folder:		Curve Number Set:	CN
		Green-Ampt Set:	
		Vertical Layers Set:	
		Impervious Set:	1

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-24
		Rainfall Amount:	6.72 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: FDOT 10 YR 4 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:25:48 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	4.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

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

IA Recovery Time: 24.0000 hr
Smp/Man Basin Rain Opt: Global
Rainfall Name: ~FDOT-4
Rainfall Amount: 4.40 in
Storm Duration: 4.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

Simulation: FDOT 10 YR 72 HR

Scenario: Scenario1

Run Date/Time: 3/7/2025 3:26:00 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	72.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN

Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

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

IA Recovery Time: 24.0000 hr
Smp/Man Basin Rain Opt: Global

Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-72
		Rainfall Amount:	8.30 in
Edge Length Option:	Automatic	Storm Duration:	72.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: FDOT 10 YR 8 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:26:41 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	8.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Lookup Tables

Boundary Stage Set:

		Extern Hydrograph Set:	
Unit Hydrograph Folder:		Curve Number Set:	CN
		Green-Ampt Set:	
		Vertical Layers Set:	
		Impervious Set:	1

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-8
		Rainfall Amount:	5.12 in
Edge Length Option:	Automatic	Storm Duration:	8.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: FDOT 100 YR 1 HR

Scenario:	Scenario1
Run Date/Time:	3/7/2025 3:26:53 PM
Program Version:	ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	1.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

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

IA Recovery Time: 24.0000 hr
Smp/Man Basin Rain Opt: Global
Rainfall Name: ~FDOT-1
Rainfall Amount: 4.20 in
Storm Duration: 1.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

Simulation: FDOT 100 YR 2 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:26:56 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	2.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

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

IA Recovery Time: 24.0000 hr
Smp/Man Basin Rain Opt: Global
Rainfall Name: ~FDOT-2
Rainfall Amount: 5.10 in

Edge Length Option:	Automatic	Storm Duration:	2.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: FDOT 100 YR 24 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:27:01 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	24.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN

Folder:			
		Green-Ampt Set:	
		Vertical Layers Set:	
		Impervious Set:	1

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-24
		Rainfall Amount:	9.84 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: FDOT 100 YR 4 HR

Scenario:	Scenario1
Run Date/Time:	3/7/2025 3:27:17 PM
Program Version:	ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	4.0000

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

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

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

IA Recovery Time: 24.0000 hr
Smp/Man Basin Rain Opt: Global
Rainfall Name: ~FDOT-4
Rainfall Amount: 6.08 in
Storm Duration: 4.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

Simulation: FDOT 100 YR 72 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:27:22 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	72.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

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

IA Recovery Time: 24.0000 hr
Smp/Man Basin Rain Opt: Global
Rainfall Name: ~FDOT-72
Rainfall Amount: 12.40 in
Storm Duration: 72.0000 hr

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

Comment:

Simulation: FDOT 100 YR 8 HR

Scenario:	Scenario1
Run Date/Time:	3/7/2025 3:28:15 PM
Program Version:	ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	8.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set: CN

Green-Ampt Set:	
Vertical Layers Set:	
Impervious Set:	1

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-8
		Rainfall Amount:	7.36 in
Edge Length Option:	Automatic	Storm Duration:	8.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: FDOT 2 YR 1 HR

Scenario:	Scenario1
Run Date/Time:	3/7/2025 3:28:21 PM
Program Version:	ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	1.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

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

IA Recovery Time: 24.0000 hr
Smp/Man Basin Rain Opt: Global
Rainfall Name: ~FDOT-1
Rainfall Amount: 2.30 in
Storm Duration: 1.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

Simulation: FDOT 2 YR 2 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:28:23 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	2.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

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

IA Recovery Time: 24.0000 hr
Smp/Man Basin Rain Opt: Global
Rainfall Name: ~FDOT-2
Rainfall Amount: 2.45 in
Storm Duration: 2.0000 hr
Dflt Damping (1D): 0.0050 ft

Min Node Srf Area (1D):	100 ft2
Energy Switch (1D):	Energy

Comment:

Simulation: FDOT 2 YR 24 HR

Scenario:	Scenario1
Run Date/Time:	3/7/2025 3:28:25 PM
Program Version:	ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	24.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set: CN

Green-Ampt Set:

Vertical Layers Set:

Impervious Set: 1

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-24
		Rainfall Amount:	4.30 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: FDOT 2 YR 4 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:28:59 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	4.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

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

IA Recovery Time: 24.0000 hr
Smp/Man Basin Rain Opt: Global
Rainfall Name: ~FDOT-4
Rainfall Amount: 2.85 in
Storm Duration: 4.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

Simulation: FDOT 2 YR 72 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:29:08 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

Year	Month	Day	Hour [hr]

Start Time:	0	0	0	0.0000
End Time:	0	0	0	72.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

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

IA Recovery Time: 24.0000 hr
Smp/Man Basin Rain Opt: Global
Rainfall Name: ~FDOT-72
Rainfall Amount: 5.50 in
Storm Duration: 72.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2

Energy Switch (1D): Energy

Comment:

Simulation: FDOT 2 YR 8 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:30:07 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	8.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN

Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-8
		Rainfall Amount:	3.45 in
Edge Length Option:	Automatic	Storm Duration:	8.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: FDOT 25 YR 1 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:30:18 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	1.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources		Lookup Tables	
Rainfall Folder:		Boundary Stage Set:	
		Extern Hydrograph Set:	
Unit Hydrograph Folder:		Curve Number Set:	CN
		Green-Ampt Set:	
		Vertical Layers Set:	
		Impervious Set:	1

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-1
		Rainfall Amount:	3.45 in
Edge Length Option:	Automatic	Storm Duration:	1.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: FDOT 25 YR 2 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:30:20 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

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

End Time:	0	0	0	2.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

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

IA Recovery Time: 24.0000 hr
Smp/Man Basin Rain Opt: Global
Rainfall Name: ~FDOT-2
Rainfall Amount: 4.30 in
Storm Duration: 2.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

Simulation: FDOT 25 YR 24 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:30:25 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	24.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-24
		Rainfall Amount:	7.92 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: FDOT 25 YR 4 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:30:49 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	4.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

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

IA Recovery Time: 24.0000 hr
Smp/Man Basin Rain Opt: Global
Rainfall Name: ~FDOT-4
Rainfall Amount: 5.12 in
Storm Duration: 4.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

Simulation: FDOT 25 YR 72 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:30:55 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	72.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

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

IA Recovery Time: 24.0000 hr
Smp/Man Basin Rain Opt: Global
Rainfall Name: ~FDOT-72
Rainfall Amount: 10.00 in
Storm Duration: 72.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

Simulation: FDOT 25 YR 8 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:32:01 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	8.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

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

IA Recovery Time: 24.0000 hr
Smp/Man Basin Rain: Global

		Opt:	
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-8
		Rainfall Amount:	6.00 in
Edge Length Option:	Automatic	Storm Duration:	8.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: FDOT 3 YR 1 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:32:12 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	1.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources		Lookup Tables	
Rainfall Folder:		Boundary Stage Set:	
		Extern Hydrograph Set:	
Unit Hydrograph Folder:		Curve Number Set:	CN
		Green-Ampt Set:	
		Vertical Layers Set:	
		Impervious Set:	1

Tolerances & Options			
Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-1
		Rainfall Amount:	2.50 in
Edge Length Option:	Automatic	Storm Duration:	1.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: FDOT 3 YR 2 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:32:15 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	2.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

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

IA Recovery Time: 24.0000 hr
Smp/Man Basin Rain Opt: Global
Rainfall Name: ~FDOT-2
Rainfall Amount: 2.64 in
Storm Duration: 2.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

Simulation: FDOT 3 YR 24 HR

Scenario: Scenario1

Run Date/Time: 3/7/2025 3:32:16 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	24.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN

Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

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

IA Recovery Time: 24.0000 hr
Smp/Man Basin Rain Opt: Global

Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-24
		Rainfall Amount:	4.56 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: FDOT 3 YR 4 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:32:35 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	4.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Lookup Tables

Boundary Stage Set:

		Extern Hydrograph Set:	
Unit Hydrograph Folder:		Curve Number Set:	CN
		Green-Ampt Set:	
		Vertical Layers Set:	
		Impervious Set:	1

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-4
		Rainfall Amount:	3.08 in
Edge Length Option:	Automatic	Storm Duration:	4.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: FDOT 3 YR 72 HR

Scenario:	Scenario1
Run Date/Time:	3/7/2025 3:32:41 PM
Program Version:	ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	72.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

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

IA Recovery Time: 24.0000 hr
Smp/Man Basin Rain Opt: Global
Rainfall Name: ~FDOT-72
Rainfall Amount: 5.80 in
Storm Duration: 72.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

Simulation: FDOT 3 YR 8 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:33:33 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	8.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set: CN

Green-Ampt Set:

Vertical Layers Set:

Impervious Set: 1

Tolerances & Options

Time Marching: SAOR

Max Iterations: 6

Over-Relax Weight Fact: 0.5 dec

dZ Tolerance: 0.0010 ft

Max dZ: 1.0000 ft

Link Optimizer Tol: 0.0001 ft

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Opt: Global

Rainfall Name: ~FDOT-8

Rainfall Amount: 3.52 in

Edge Length Option:	Automatic	Storm Duration:	8.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: FDOT 5 YR 1 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:33:50 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	1.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN

Folder:			
		Green-Ampt Set:	
		Vertical Layers Set:	
		Impervious Set:	1

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-1
		Rainfall Amount:	2.65 in
Edge Length Option:	Automatic	Storm Duration:	1.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: FDOT 5 YR 2 HR

Scenario:	Scenario1
Run Date/Time:	3/7/2025 3:33:56 PM
Program Version:	ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	2.0000

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

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

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

IA Recovery Time: 24.0000 hr
Smp/Man Basin Rain Opt: Global
Rainfall Name: ~FDOT-2
Rainfall Amount: 2.98 in
Storm Duration: 2.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

Simulation: FDOT 5 YR 24 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:34:02 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	24.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

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

IA Recovery Time: 24.0000 hr
Smp/Man Basin Rain Opt: Global
Rainfall Name: ~FDOT-24
Rainfall Amount: 5.10 in
Storm Duration: 24.0000 hr

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

Comment:

Simulation: FDOT 5 YR 4 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:34:31 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	4.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN

Green-Ampt Set:	
Vertical Layers Set:	
Impervious Set:	1

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-4
		Rainfall Amount:	3.52 in
Edge Length Option:	Automatic	Storm Duration:	4.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: FDOT 5 YR 72 HR

Scenario:	Scenario1
Run Date/Time:	3/7/2025 3:34:35 PM
Program Version:	ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	72.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

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

IA Recovery Time: 24.0000 hr
Smp/Man Basin Rain Opt: Global
Rainfall Name: ~FDOT-72
Rainfall Amount: 6.62 in
Storm Duration: 72.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

Simulation: FDOT 5 YR 8 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:36:16 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	8.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

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

IA Recovery Time: 24.0000 hr
Smp/Man Basin Rain Opt: Global
Rainfall Name: ~FDOT-8
Rainfall Amount: 4.02 in
Storm Duration: 8.0000 hr
Dflt Damping (1D): 0.0050 ft

Min Node Srf Area (1D):	100 ft2
Energy Switch (1D):	Energy

Comment:

Simulation: FDOT 50 YR 1 HR

Scenario:	Scenario1
Run Date/Time:	3/7/2025 3:36:27 PM
Program Version:	ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	1.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set: CN

Green-Ampt Set:

Vertical Layers Set:

Impervious Set: 1

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-1
		Rainfall Amount:	3.67 in
Edge Length Option:	Automatic	Storm Duration:	1.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: FDOT 50 YR 2 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:36:28 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	2.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

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

IA Recovery Time: 24.0000 hr
Smp/Man Basin Rain Opt: Global
Rainfall Name: ~FDOT-2
Rainfall Amount: 4.55 in
Storm Duration: 2.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

Simulation: FDOT 50 YR 24 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:36:36 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

Year	Month	Day	Hour [hr]

Start Time:	0	0	0	0.0000
End Time:	0	0	0	24.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

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

IA Recovery Time: 24.0000 hr
Smp/Man Basin Rain Opt: Global
Rainfall Name: ~FDOT-24
Rainfall Amount: 8.54 in
Storm Duration: 24.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2

Energy Switch (1D): Energy

Comment:

Simulation: FDOT 50 YR 4 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:37:29 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	4.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN

Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-4
		Rainfall Amount:	5.45 in
Edge Length Option:	Automatic	Storm Duration:	4.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: FDOT 50 YR 72 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:37:37 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	72.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

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

IA Recovery Time: 24.0000 hr
Smp/Man Basin Rain Opt: Global
Rainfall Name: ~FDOT-72
Rainfall Amount: 10.80 in
Storm Duration: 72.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

Simulation: FDOT 50 YR 8 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:39:22 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

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

End Time:	0	0	0	8.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

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

IA Recovery Time: 24.0000 hr
Smp/Man Basin Rain Opt: Global
Rainfall Name: ~FDOT-8
Rainfall Amount: 6.45 in
Storm Duration: 8.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

Drop Structure Link: Control Structure		Upstream Pipe		Downstream Pipe	
Scenario:	Scenario1	Invert:	156.00 ft	Invert:	155.00 ft
From Node:	Pond 1	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Tailwater	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	35.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Circular	Op Table:	
Invert:	156.95 ft	Ref Node:	
Control Elevation:	156.95 ft	Discharge Coefficients	
Max Depth:	0.50 ft	Weir Default:	3.200
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Weir Component		Bottom Clip	
Weir:	2	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Horizontal	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	158.80 ft	Ref Node:	
Control Elevation:	158.80 ft		

Max Depth: 2.00 ft
Max Width: 3.00 ft
Fillet: 0.00 ft

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

Weir Comment:

Drop Structure Comment:

Node: Pond 1

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 156.00 ft
Warning Stage: 160.00 ft

Stage [ft]	Area [ac]	Area [ft2]
156.00	0.0950	4138
157.00	0.1190	5184
158.00	0.1460	6360
159.00	0.1750	7623
160.00	0.2070	9017

Comment:

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
Pond 1	100 YR 24 HR	160.00	158.97	0.0010	8.51	3.44	7581
Pond 1	FDOT 10 YR 1 HR	160.00	157.43	0.0010	3.73	0.41	5690
Pond 1	FDOT 10 YR 2 HR	160.00	157.67	0.0010	3.09	0.65	5974
Pond 1	FDOT 10 YR 24 HR	160.00	157.51	0.0010	0.66	0.51	5784
Pond 1	FDOT 10 YR 4 HR	160.00	157.86	0.0010	1.88	0.77	6197
Pond 1	FDOT 10 YR 72 HR	160.00	157.45	0.0010	0.46	0.43	5715
Pond 1	FDOT 10 YR 8 HR	160.00	157.85	-0.0010	2.04	0.76	6185
Pond 1	FDOT 100 YR 1 HR	160.00	157.93	0.0010	5.60	0.81	6274

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
Pond 1	FDOT 100 YR 2 HR	160.00	158.23	0.0010	4.65	0.96	6652
Pond 1	FDOT 100 YR 24 HR	160.00	157.84	0.0010	1.05	0.75	6166
Pond 1	FDOT 100 YR 4 HR	160.00	158.48	0.0010	2.84	1.07	6966
Pond 1	FDOT 100 YR 72 HR	160.00	157.68	0.0010	0.71	0.65	5979
Pond 1	FDOT 100 YR 8 HR	160.00	158.57	0.0010	3.19	1.10	7075
Pond 1	FDOT 2 YR 1 HR	160.00	157.09	0.0010	2.61	0.05	5287
Pond 1	FDOT 2 YR 2 HR	160.00	157.25	0.0010	1.82	0.19	5473
Pond 1	FDOT 2 YR 24 HR	160.00	157.28	0.0010	0.38	0.24	5517
Pond 1	FDOT 2 YR 4 HR	160.00	157.36	0.0010	1.06	0.33	5604
Pond 1	FDOT 2 YR 72 HR	160.00	157.31	0.0009	0.28	0.27	5545
Pond 1	FDOT 2 YR 8 HR	160.00	157.40	0.0010	1.23	0.38	5659
Pond 1	FDOT 25 YR 1 HR	160.00	157.60	0.0010	4.36	0.60	5894
Pond 1	FDOT 25 YR 2 HR	160.00	157.90	0.0010	3.75	0.79	6248
Pond 1	FDOT 25 YR 24 HR	160.00	157.62	0.0010	0.81	0.61	5916
Pond 1	FDOT 25 YR 4 HR	160.00	158.12	0.0010	2.28	0.91	6514
Pond 1	FDOT 25 YR 72 HR	160.00	157.53	0.0010	0.56	0.54	5813
Pond 1	FDOT 25 YR 8 HR	160.00	158.13	0.0010	2.49	0.91	6519
Pond 1	FDOT 3 YR 1 HR	160.00	157.18	0.0010	2.90	0.13	5399
Pond 1	FDOT 3 YR 2 HR	160.00	157.31	0.0010	2.00	0.27	5552
Pond 1	FDOT 3 YR 24 HR	160.00	157.30	0.0010	0.41	0.26	5539
Pond 1	FDOT 3 YR 4 HR	160.00	157.43	0.0010	1.17	0.41	5688
Pond 1	FDOT 3 YR 72 HR	160.00	157.32	0.0009	0.30	0.29	5562
Pond 1	FDOT 3 YR 8 HR	160.00	157.42	0.0010	1.26	0.40	5679
Pond 1	FDOT 5 YR 1	160.00	157.25	0.0010	3.12	0.20	5481

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	HR						
Pond 1	FDOT 5 YR 2 HR	160.00	157.43	0.0010	2.34	0.41	5684
Pond 1	FDOT 5 YR 24 HR	160.00	157.35	0.0010	0.47	0.32	5599
Pond 1	FDOT 5 YR 4 HR	160.00	157.56	0.0010	1.40	0.57	5847
Pond 1	FDOT 5 YR 72 HR	160.00	157.36	0.0010	0.35	0.34	5609
Pond 1	FDOT 5 YR 8 HR	160.00	157.54	0.0010	1.50	0.55	5821
Pond 1	FDOT 50 YR 1 HR	160.00	157.70	0.0010	4.72	0.67	6004
Pond 1	FDOT 50 YR 2 HR	160.00	158.01	0.0010	4.03	0.85	6367
Pond 1	FDOT 50 YR 24 HR	160.00	157.69	0.0010	0.89	0.66	5992
Pond 1	FDOT 50 YR 4 HR	160.00	158.24	0.0010	2.47	0.97	6668
Pond 1	FDOT 50 YR 72 HR	160.00	157.57	0.0010	0.61	0.58	5860
Pond 1	FDOT 50 YR 8 HR	160.00	158.27	0.0010	2.72	0.98	6702

Node: Tailwater

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 156.43 ft
Warning Stage: 9999.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	156.43
0	0	0	24.0000	156.43

Comment:

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
Tailwater	100 YR 24 HR	9999.00	156.43	0.0000	3.44	0.00	0
Tailwater	FDOT 10 YR 1 HR	9999.00	156.43	0.0000	0.41	0.00	0
Tailwater	FDOT 10 YR 2 HR	9999.00	156.43	0.0000	0.65	0.00	0
Tailwater	FDOT 10 YR 24 HR	9999.00	156.43	0.0000	0.51	0.00	0
Tailwater	FDOT 10 YR 4 HR	9999.00	156.43	0.0000	0.77	0.00	0
Tailwater	FDOT 10 YR 72 HR	9999.00	156.43	0.0000	0.43	0.00	0
Tailwater	FDOT 10 YR 8 HR	9999.00	156.43	0.0000	0.76	0.00	0
Tailwater	FDOT 100 YR 1 HR	9999.00	156.43	0.0000	0.81	0.00	0
Tailwater	FDOT 100 YR 2 HR	9999.00	156.43	0.0000	0.96	0.00	0
Tailwater	FDOT 100 YR 24 HR	9999.00	156.43	0.0000	0.75	0.00	0
Tailwater	FDOT 100 YR 4 HR	9999.00	156.43	0.0000	1.07	0.00	0
Tailwater	FDOT 100 YR 72 HR	9999.00	156.43	0.0000	0.65	0.00	0
Tailwater	FDOT 100 YR 8 HR	9999.00	156.43	0.0000	1.10	0.00	0
Tailwater	FDOT 2 YR 1 HR	9999.00	156.43	0.0000	0.05	0.00	0
Tailwater	FDOT 2 YR 2 HR	9999.00	156.43	0.0000	0.19	0.00	0
Tailwater	FDOT 2 YR 24 HR	9999.00	156.43	0.0000	0.24	0.00	0
Tailwater	FDOT 2 YR 4 HR	9999.00	156.43	0.0000	0.33	0.00	0
Tailwater	FDOT 2 YR 72 HR	9999.00	156.43	0.0000	0.27	0.00	0
Tailwater	FDOT 2 YR 8 HR	9999.00	156.43	0.0000	0.38	0.00	0
Tailwater	FDOT 25 YR 1 HR	9999.00	156.43	0.0000	0.60	0.00	0
Tailwater	FDOT 25 YR 2 HR	9999.00	156.43	0.0000	0.79	0.00	0
Tailwater	FDOT 25 YR 24 HR	9999.00	156.43	0.0000	0.61	0.00	0
Tailwater	FDOT 25 YR 4 HR	9999.00	156.43	0.0000	0.91	0.00	0
Tailwater	FDOT 25 YR 72 HR	9999.00	156.43	0.0000	0.54	0.00	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
Tailwater	FDOT 25 YR 8 HR	9999.00	156.43	0.0000	0.91	0.00	0
Tailwater	FDOT 3 YR 1 HR	9999.00	156.43	0.0000	0.12	0.00	0
Tailwater	FDOT 3 YR 2 HR	9999.00	156.43	0.0000	0.27	0.00	0
Tailwater	FDOT 3 YR 24 HR	9999.00	156.43	0.0000	0.26	0.00	0
Tailwater	FDOT 3 YR 4 HR	9999.00	156.43	0.0000	0.41	0.00	0
Tailwater	FDOT 3 YR 72 HR	9999.00	156.43	0.0000	0.29	0.00	0
Tailwater	FDOT 3 YR 8 HR	9999.00	156.43	0.0000	0.40	0.00	0
Tailwater	FDOT 5 YR 1 HR	9999.00	156.43	0.0000	0.20	0.00	0
Tailwater	FDOT 5 YR 2 HR	9999.00	156.43	0.0000	0.41	0.00	0
Tailwater	FDOT 5 YR 24 HR	9999.00	156.43	0.0000	0.32	0.00	0
Tailwater	FDOT 5 YR 4 HR	9999.00	156.43	0.0000	0.57	0.00	0
Tailwater	FDOT 5 YR 72 HR	9999.00	156.43	0.0000	0.34	0.00	0
Tailwater	FDOT 5 YR 8 HR	9999.00	156.43	0.0000	0.55	0.00	0
Tailwater	FDOT 50 YR 1 HR	9999.00	156.43	0.0000	0.67	0.00	0
Tailwater	FDOT 50 YR 2 HR	9999.00	156.43	0.0000	0.85	0.00	0
Tailwater	FDOT 50 YR 24 HR	9999.00	156.43	0.0000	0.66	0.00	0
Tailwater	FDOT 50 YR 4 HR	9999.00	156.43	0.0000	0.97	0.00	0
Tailwater	FDOT 50 YR 72 HR	9999.00	156.43	0.0000	0.58	0.00	0
Tailwater	FDOT 50 YR 8 HR	9999.00	156.43	0.0000	0.98	0.00	0

Simulation: Slug

Scenario: Scenario1
Run Date/Time: 3/19/2025 1:11:02 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	72.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Unit Hydrograph Folder:

Lookup Tables

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

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
IA Recovery Time: 24.0000 hr
Smp/Man Basin Rain: Global

		Opt:	
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-72
		Rainfall Amount:	0.00 in
Edge Length Option:	Automatic	Storm Duration:	72.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Percolation Link: Perc-1

Scenario:	Scenario1	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	Pond 1		
To Node:	Groundwater	Vertical Flow Termination:	Horizontal Flow Algorithm
Link Count:	1	Perimeter 1:	356.00 ft
Flow Direction:	Both	Perimeter 2:	501.00 ft
Aquifer Base Elevation:	151.00 ft	Perimeter 3:	760.00 ft
Water Table Elevation:	155.00 ft	Distance P1 to P2:	5.00 ft
Annual Recharge Rate:	0 ipy	Distance P2 to P3:	5.00 ft
Horizontal Conductivity:	7.500 fpd	# of Cells P1 to P2:	5
Vertical Conductivity:	6.500 fpd	# of Cells P2 to P3:	5
Fillable Porosity:	0.250		
Layer Thickness:	0.00 ft		

Comment:

Node: Groundwater

Scenario:	Scenario1
Type:	Time/Stage
Base Flow:	0.00 cfs
Initial Stage:	155.00 ft
Warning Stage:	9999.00 ft
Boundary Stage:	

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	155.00
0	0	0	24.0000	155.00

Comment:

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
Groundwater	Slug	9999.00	155.00	0.0000	0.39	0.00	0

Node: Pond 1

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 156.95 ft
Warning Stage: 160.00 ft

Stage [ft]	Area [ac]	Area [ft2]
156.00	0.0950	4138
157.00	0.1190	5184
158.00	0.1460	6360
159.00	0.1750	7623
160.00	0.2070	9017

Comment:

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
Pond 1	Slug	160.00	156.95	-0.0005	0.00	0.39	5131

Scenario	Sim	Node Name	Relative Time [hrs]	Stage [ft]	Total Inflow Volume [ft3]	Total Outflow Volume [ft3]
Scenario1	Slug	Groundwater	0.0000	155.00	0	0
Scenario1	Slug	Groundwater	0.2511	155.00	245	0
Scenario1	Slug	Groundwater	0.5050	155.00	360	0
Scenario1	Slug	Groundwater	0.7527	155.00	446	0
Scenario1	Slug	Groundwater	1.0027	155.00	518	0
Scenario1	Slug	Groundwater	1.2527	155.00	581	0
Scenario1	Slug	Groundwater	1.5027	155.00	639	0
Scenario1	Slug	Groundwater	1.7527	155.00	692	0
Scenario1	Slug	Groundwater	2.0027	155.00	742	0
Scenario1	Slug	Groundwater	2.2527	155.00	788	0
Scenario1	Slug	Groundwater	2.5027	155.00	833	0
Scenario1	Slug	Groundwater	2.7527	155.00	875	0
Scenario1	Slug	Groundwater	3.0027	155.00	915	0
Scenario1	Slug	Groundwater	3.2527	155.00	954	0
Scenario1	Slug	Groundwater	3.5027	155.00	992	0
Scenario1	Slug	Groundwater	3.7527	155.00	1029	0
Scenario1	Slug	Groundwater	4.0027	155.00	1064	0
Scenario1	Slug	Groundwater	4.2527	155.00	1099	0
Scenario1	Slug	Groundwater	4.5027	155.00	1132	0
Scenario1	Slug	Groundwater	4.7527	155.00	1166	0
Scenario1	Slug	Groundwater	5.0027	155.00	1198	0
Scenario1	Slug	Groundwater	5.2527	155.00	1230	0
Scenario1	Slug	Groundwater	5.5027	155.00	1261	0
Scenario1	Slug	Groundwater	5.7527	155.00	1292	0
Scenario1	Slug	Groundwater	6.0027	155.00	1323	0
Scenario1	Slug	Groundwater	6.2527	155.00	1353	0
Scenario1	Slug	Groundwater	6.5027	155.00	1383	0
Scenario1	Slug	Groundwater	6.7527	155.00	1412	0
Scenario1	Slug	Groundwater	7.0027	155.00	1441	0
Scenario1	Slug	Groundwater	7.2527	155.00	1470	0
Scenario1	Slug	Groundwater	7.5027	155.00	1499	0
Scenario1	Slug	Groundwater	7.7527	155.00	1528	0
Scenario1	Slug	Groundwater	8.0027	155.00	1556	0
Scenario1	Slug	Groundwater	8.2527	155.00	1584	0
Scenario1	Slug	Groundwater	8.5027	155.00	1612	0
Scenario1	Slug	Groundwater	8.7527	155.00	1640	0
Scenario1	Slug	Groundwater	9.0027	155.00	1667	0
Scenario1	Slug	Groundwater	9.2527	155.00	1694	0
Scenario1	Slug	Groundwater	9.5027	155.00	1722	0
Scenario1	Slug	Groundwater	9.7527	155.00	1749	0
Scenario1	Slug	Groundwater	10.0027	155.00	1776	0
Scenario1	Slug	Groundwater	10.2527	155.00	1803	0

Scenario	Sim	Node Name	Relative Time [hrs]	Stage [ft]	Total Inflow Volume [ft3]	Total Outflow Volume [ft3]
Scenario1	Slug	Groundwater	10.5027	155.00	1829	0
Scenario1	Slug	Groundwater	10.7527	155.00	1856	0
Scenario1	Slug	Groundwater	11.0027	155.00	1882	0
Scenario1	Slug	Groundwater	11.2527	155.00	1908	0
Scenario1	Slug	Groundwater	11.5027	155.00	1935	0
Scenario1	Slug	Groundwater	11.7527	155.00	1961	0
Scenario1	Slug	Groundwater	12.0027	155.00	1986	0
Scenario1	Slug	Groundwater	12.2527	155.00	2012	0
Scenario1	Slug	Groundwater	12.5027	155.00	2038	0
Scenario1	Slug	Groundwater	12.7527	155.00	2063	0
Scenario1	Slug	Groundwater	13.0027	155.00	2089	0
Scenario1	Slug	Groundwater	13.2527	155.00	2114	0
Scenario1	Slug	Groundwater	13.5027	155.00	2139	0
Scenario1	Slug	Groundwater	13.7527	155.00	2165	0
Scenario1	Slug	Groundwater	14.0027	155.00	2190	0
Scenario1	Slug	Groundwater	14.2527	155.00	2214	0
Scenario1	Slug	Groundwater	14.5027	155.00	2239	0
Scenario1	Slug	Groundwater	14.7527	155.00	2264	0
Scenario1	Slug	Groundwater	15.0027	155.00	2289	0
Scenario1	Slug	Groundwater	15.2527	155.00	2313	0
Scenario1	Slug	Groundwater	15.5027	155.00	2337	0
Scenario1	Slug	Groundwater	15.7527	155.00	2362	0
Scenario1	Slug	Groundwater	16.0027	155.00	2386	0
Scenario1	Slug	Groundwater	16.2527	155.00	2410	0
Scenario1	Slug	Groundwater	16.5027	155.00	2434	0
Scenario1	Slug	Groundwater	16.7527	155.00	2458	0
Scenario1	Slug	Groundwater	17.0027	155.00	2481	0
Scenario1	Slug	Groundwater	17.2527	155.00	2505	0
Scenario1	Slug	Groundwater	17.5027	155.00	2529	0
Scenario1	Slug	Groundwater	17.7527	155.00	2552	0
Scenario1	Slug	Groundwater	18.0027	155.00	2575	0
Scenario1	Slug	Groundwater	18.2527	155.00	2599	0
Scenario1	Slug	Groundwater	18.5027	155.00	2622	0
Scenario1	Slug	Groundwater	18.7527	155.00	2645	0
Scenario1	Slug	Groundwater	19.0027	155.00	2668	0
Scenario1	Slug	Groundwater	19.2527	155.00	2691	0
Scenario1	Slug	Groundwater	19.5027	155.00	2713	0
Scenario1	Slug	Groundwater	19.7527	155.00	2736	0
Scenario1	Slug	Groundwater	20.0027	155.00	2759	0
Scenario1	Slug	Groundwater	20.2527	155.00	2781	0
Scenario1	Slug	Groundwater	20.5027	155.00	2803	0
Scenario1	Slug	Groundwater	20.7527	155.00	2826	0

Scenario	Sim	Node Name	Relative Time [hrs]	Stage [ft]	Total Inflow Volume [ft3]	Total Outflow Volume [ft3]
Scenario1	Slug	Groundwater	21.0027	155.00	2848	0
Scenario1	Slug	Groundwater	21.2527	155.00	2870	0
Scenario1	Slug	Groundwater	21.5027	155.00	2892	0
Scenario1	Slug	Groundwater	21.7527	155.00	2914	0
Scenario1	Slug	Groundwater	22.0027	155.00	2936	0
Scenario1	Slug	Groundwater	22.2527	155.00	2957	0
Scenario1	Slug	Groundwater	22.5027	155.00	2979	0
Scenario1	Slug	Groundwater	22.7527	155.00	3001	0
Scenario1	Slug	Groundwater	23.0027	155.00	3022	0
Scenario1	Slug	Groundwater	23.2527	155.00	3043	0
Scenario1	Slug	Groundwater	23.5027	155.00	3065	0
Scenario1	Slug	Groundwater	23.7527	155.00	3086	0
Scenario1	Slug	Groundwater	24.0027	155.00	3107	0
Scenario1	Slug	Groundwater	24.2527	155.00	3128	0
Scenario1	Slug	Groundwater	24.5027	155.00	3149	0
Scenario1	Slug	Groundwater	24.7527	155.00	3170	0
Scenario1	Slug	Groundwater	25.0027	155.00	3190	0
Scenario1	Slug	Groundwater	25.2527	155.00	3211	0
Scenario1	Slug	Groundwater	25.5027	155.00	3232	0
Scenario1	Slug	Groundwater	25.7527	155.00	3252	0
Scenario1	Slug	Groundwater	26.0027	155.00	3272	0
Scenario1	Slug	Groundwater	26.2527	155.00	3293	0
Scenario1	Slug	Groundwater	26.5027	155.00	3313	0
Scenario1	Slug	Groundwater	26.7527	155.00	3333	0
Scenario1	Slug	Groundwater	27.0027	155.00	3353	0
Scenario1	Slug	Groundwater	27.2527	155.00	3373	0
Scenario1	Slug	Groundwater	27.5027	155.00	3393	0
Scenario1	Slug	Groundwater	27.7527	155.00	3413	0
Scenario1	Slug	Groundwater	28.0027	155.00	3432	0
Scenario1	Slug	Groundwater	28.2527	155.00	3452	0
Scenario1	Slug	Groundwater	28.5027	155.00	3472	0
Scenario1	Slug	Groundwater	28.7527	155.00	3491	0
Scenario1	Slug	Groundwater	29.0027	155.00	3510	0
Scenario1	Slug	Groundwater	29.2527	155.00	3530	0
Scenario1	Slug	Groundwater	29.5027	155.00	3549	0
Scenario1	Slug	Groundwater	29.7527	155.00	3568	0
Scenario1	Slug	Groundwater	30.0027	155.00	3587	0
Scenario1	Slug	Groundwater	30.2527	155.00	3606	0
Scenario1	Slug	Groundwater	30.5027	155.00	3625	0
Scenario1	Slug	Groundwater	30.7527	155.00	3644	0
Scenario1	Slug	Groundwater	31.0027	155.00	3662	0
Scenario1	Slug	Groundwater	31.2527	155.00	3681	0

Scenario	Sim	Node Name	Relative Time [hrs]	Stage [ft]	Total Inflow Volume [ft3]	Total Outflow Volume [ft3]
Scenario1	Slug	Groundwater	31.5027	155.00	3700	0
Scenario1	Slug	Groundwater	31.7527	155.00	3718	0
Scenario1	Slug	Groundwater	32.0027	155.00	3737	0
Scenario1	Slug	Groundwater	32.2527	155.00	3755	0
Scenario1	Slug	Groundwater	32.5027	155.00	3773	0
Scenario1	Slug	Groundwater	32.7527	155.00	3791	0
Scenario1	Slug	Groundwater	33.0027	155.00	3809	0
Scenario1	Slug	Groundwater	33.2527	155.00	3827	0
Scenario1	Slug	Groundwater	33.5027	155.00	3845	0
Scenario1	Slug	Groundwater	33.7527	155.00	3863	0
Scenario1	Slug	Groundwater	34.0027	155.00	3881	0
Scenario1	Slug	Groundwater	34.2527	155.00	3899	0
Scenario1	Slug	Groundwater	34.5027	155.00	3916	0
Scenario1	Slug	Groundwater	34.7527	155.00	3934	0
Scenario1	Slug	Groundwater	35.0027	155.00	3951	0
Scenario1	Slug	Groundwater	35.2527	155.00	3969	0
Scenario1	Slug	Groundwater	35.5027	155.00	3986	0
Scenario1	Slug	Groundwater	35.7527	155.00	4003	0
Scenario1	Slug	Groundwater	36.0027	155.00	4021	0
Scenario1	Slug	Groundwater	36.2527	155.00	4038	0
Scenario1	Slug	Groundwater	36.5027	155.00	4055	0
Scenario1	Slug	Groundwater	36.7527	155.00	4072	0
Scenario1	Slug	Groundwater	37.0027	155.00	4089	0
Scenario1	Slug	Groundwater	37.2527	155.00	4105	0
Scenario1	Slug	Groundwater	37.5027	155.00	4122	0
Scenario1	Slug	Groundwater	37.7527	155.00	4139	0
Scenario1	Slug	Groundwater	38.0027	155.00	4156	0
Scenario1	Slug	Groundwater	38.2527	155.00	4172	0
Scenario1	Slug	Groundwater	38.5027	155.00	4189	0
Scenario1	Slug	Groundwater	38.7527	155.00	4205	0
Scenario1	Slug	Groundwater	39.0027	155.00	4221	0
Scenario1	Slug	Groundwater	39.2527	155.00	4238	0
Scenario1	Slug	Groundwater	39.5027	155.00	4254	0
Scenario1	Slug	Groundwater	39.7527	155.00	4270	0
Scenario1	Slug	Groundwater	40.0027	155.00	4286	0
Scenario1	Slug	Groundwater	40.2527	155.00	4302	0
Scenario1	Slug	Groundwater	40.5027	155.00	4318	0
Scenario1	Slug	Groundwater	40.7527	155.00	4334	0
Scenario1	Slug	Groundwater	41.0027	155.00	4350	0
Scenario1	Slug	Groundwater	41.2527	155.00	4365	0
Scenario1	Slug	Groundwater	41.5027	155.00	4381	0
Scenario1	Slug	Groundwater	41.7527	155.00	4396	0

Scenario	Sim	Node Name	Relative Time [hrs]	Stage [ft]	Total Inflow Volume [ft3]	Total Outflow Volume [ft3]
Scenario1	Slug	Groundwater	42.0027	155.00	4402	0
Scenario1	Slug	Groundwater	42.2527	155.00	4402	0
Scenario1	Slug	Groundwater	42.5027	155.00	4402	0
Scenario1	Slug	Groundwater	42.7527	155.00	4402	0
Scenario1	Slug	Groundwater	43.0027	155.00	4402	0
Scenario1	Slug	Groundwater	43.2527	155.00	4402	0
Scenario1	Slug	Groundwater	43.5027	155.00	4402	0
Scenario1	Slug	Groundwater	43.7527	155.00	4402	0
Scenario1	Slug	Groundwater	44.0027	155.00	4402	0
Scenario1	Slug	Groundwater	44.2527	155.00	4402	0
Scenario1	Slug	Groundwater	44.5027	155.00	4402	0
Scenario1	Slug	Groundwater	44.7527	155.00	4402	0
Scenario1	Slug	Groundwater	45.0027	155.00	4402	0
Scenario1	Slug	Groundwater	45.2527	155.00	4402	0
Scenario1	Slug	Groundwater	45.5027	155.00	4402	0
Scenario1	Slug	Groundwater	45.7527	155.00	4402	0
Scenario1	Slug	Groundwater	46.0027	155.00	4402	0
Scenario1	Slug	Groundwater	46.2527	155.00	4402	0
Scenario1	Slug	Groundwater	46.5027	155.00	4402	0
Scenario1	Slug	Groundwater	46.7527	155.00	4402	0
Scenario1	Slug	Groundwater	47.0027	155.00	4402	0
Scenario1	Slug	Groundwater	47.2527	155.00	4402	0
Scenario1	Slug	Groundwater	47.5027	155.00	4402	0
Scenario1	Slug	Groundwater	47.7527	155.00	4402	0
Scenario1	Slug	Groundwater	48.0027	155.00	4402	0
Scenario1	Slug	Groundwater	48.2527	155.00	4402	0
Scenario1	Slug	Groundwater	48.5027	155.00	4402	0
Scenario1	Slug	Groundwater	48.7527	155.00	4402	0
Scenario1	Slug	Groundwater	49.0027	155.00	4402	0
Scenario1	Slug	Groundwater	49.2527	155.00	4402	0
Scenario1	Slug	Groundwater	49.5027	155.00	4402	0
Scenario1	Slug	Groundwater	49.7527	155.00	4402	0
Scenario1	Slug	Groundwater	50.0027	155.00	4402	0
Scenario1	Slug	Groundwater	50.2527	155.00	4402	0
Scenario1	Slug	Groundwater	50.5027	155.00	4402	0
Scenario1	Slug	Groundwater	50.7527	155.00	4402	0
Scenario1	Slug	Groundwater	51.0027	155.00	4402	0
Scenario1	Slug	Groundwater	51.2527	155.00	4402	0
Scenario1	Slug	Groundwater	51.5027	155.00	4402	0
Scenario1	Slug	Groundwater	51.7527	155.00	4402	0
Scenario1	Slug	Groundwater	52.0027	155.00	4402	0
Scenario1	Slug	Groundwater	52.2527	155.00	4402	0

Scenario	Sim	Node Name	Relative Time [hrs]	Stage [ft]	Total Inflow Volume [ft3]	Total Outflow Volume [ft3]
Scenario1	Slug	Groundwater	52.5027	155.00	4402	0
Scenario1	Slug	Groundwater	52.7527	155.00	4402	0
Scenario1	Slug	Groundwater	53.0027	155.00	4402	0
Scenario1	Slug	Groundwater	53.2527	155.00	4402	0
Scenario1	Slug	Groundwater	53.5027	155.00	4402	0
Scenario1	Slug	Groundwater	53.7527	155.00	4402	0
Scenario1	Slug	Groundwater	54.0027	155.00	4402	0
Scenario1	Slug	Groundwater	54.2527	155.00	4402	0
Scenario1	Slug	Groundwater	54.5027	155.00	4402	0
Scenario1	Slug	Groundwater	54.7527	155.00	4402	0
Scenario1	Slug	Groundwater	55.0027	155.00	4402	0
Scenario1	Slug	Groundwater	55.2527	155.00	4402	0
Scenario1	Slug	Groundwater	55.5027	155.00	4402	0
Scenario1	Slug	Groundwater	55.7527	155.00	4402	0
Scenario1	Slug	Groundwater	56.0027	155.00	4402	0
Scenario1	Slug	Groundwater	56.2527	155.00	4402	0
Scenario1	Slug	Groundwater	56.5027	155.00	4402	0
Scenario1	Slug	Groundwater	56.7527	155.00	4402	0
Scenario1	Slug	Groundwater	57.0027	155.00	4402	0
Scenario1	Slug	Groundwater	57.2527	155.00	4402	0
Scenario1	Slug	Groundwater	57.5027	155.00	4402	0
Scenario1	Slug	Groundwater	57.7527	155.00	4402	0
Scenario1	Slug	Groundwater	58.0027	155.00	4402	0
Scenario1	Slug	Groundwater	58.2527	155.00	4402	0
Scenario1	Slug	Groundwater	58.5027	155.00	4402	0
Scenario1	Slug	Groundwater	58.7527	155.00	4402	0
Scenario1	Slug	Groundwater	59.0027	155.00	4402	0
Scenario1	Slug	Groundwater	59.2527	155.00	4402	0
Scenario1	Slug	Groundwater	59.5027	155.00	4402	0
Scenario1	Slug	Groundwater	59.7527	155.00	4402	0
Scenario1	Slug	Groundwater	60.0027	155.00	4402	0
Scenario1	Slug	Groundwater	60.2527	155.00	4402	0
Scenario1	Slug	Groundwater	60.5027	155.00	4402	0
Scenario1	Slug	Groundwater	60.7527	155.00	4402	0
Scenario1	Slug	Groundwater	61.0027	155.00	4402	0
Scenario1	Slug	Groundwater	61.2527	155.00	4402	0
Scenario1	Slug	Groundwater	61.5027	155.00	4402	0
Scenario1	Slug	Groundwater	61.7527	155.00	4402	0
Scenario1	Slug	Groundwater	62.0027	155.00	4402	0
Scenario1	Slug	Groundwater	62.2527	155.00	4402	0
Scenario1	Slug	Groundwater	62.5027	155.00	4402	0
Scenario1	Slug	Groundwater	62.7527	155.00	4402	0

Scenario	Sim	Node Name	Relative Time [hrs]	Stage [ft]	Total Inflow Volume [ft3]	Total Outflow Volume [ft3]
Scenario1	Slug	Groundwater	63.0027	155.00	4402	0
Scenario1	Slug	Groundwater	63.2527	155.00	4402	0
Scenario1	Slug	Groundwater	63.5027	155.00	4402	0
Scenario1	Slug	Groundwater	63.7527	155.00	4402	0
Scenario1	Slug	Groundwater	64.0027	155.00	4402	0
Scenario1	Slug	Groundwater	64.2527	155.00	4402	0
Scenario1	Slug	Groundwater	64.5027	155.00	4402	0
Scenario1	Slug	Groundwater	64.7527	155.00	4402	0
Scenario1	Slug	Groundwater	65.0027	155.00	4402	0
Scenario1	Slug	Groundwater	65.2527	155.00	4402	0
Scenario1	Slug	Groundwater	65.5027	155.00	4402	0
Scenario1	Slug	Groundwater	65.7527	155.00	4402	0
Scenario1	Slug	Groundwater	66.0027	155.00	4402	0
Scenario1	Slug	Groundwater	66.2527	155.00	4402	0
Scenario1	Slug	Groundwater	66.5027	155.00	4402	0
Scenario1	Slug	Groundwater	66.7527	155.00	4402	0
Scenario1	Slug	Groundwater	67.0027	155.00	4402	0
Scenario1	Slug	Groundwater	67.2527	155.00	4402	0
Scenario1	Slug	Groundwater	67.5027	155.00	4402	0
Scenario1	Slug	Groundwater	67.7527	155.00	4402	0
Scenario1	Slug	Groundwater	68.0027	155.00	4402	0
Scenario1	Slug	Groundwater	68.2527	155.00	4402	0
Scenario1	Slug	Groundwater	68.5027	155.00	4402	0
Scenario1	Slug	Groundwater	68.7527	155.00	4402	0
Scenario1	Slug	Groundwater	69.0027	155.00	4402	0
Scenario1	Slug	Groundwater	69.2527	155.00	4402	0
Scenario1	Slug	Groundwater	69.5027	155.00	4402	0
Scenario1	Slug	Groundwater	69.7527	155.00	4402	0
Scenario1	Slug	Groundwater	70.0027	155.00	4402	0
Scenario1	Slug	Groundwater	70.2527	155.00	4402	0
Scenario1	Slug	Groundwater	70.5027	155.00	4402	0
Scenario1	Slug	Groundwater	70.7527	155.00	4402	0
Scenario1	Slug	Groundwater	71.0027	155.00	4402	0
Scenario1	Slug	Groundwater	71.2527	155.00	4402	0
Scenario1	Slug	Groundwater	71.5027	155.00	4402	0
Scenario1	Slug	Groundwater	71.7527	155.00	4402	0
Scenario1	Slug	Groundwater	72.0027	155.00	4402	0
Scenario1	Slug	Pond 1	0.0000	156.95	0	0
Scenario1	Slug	Pond 1	0.2511	156.90	0	245
Scenario1	Slug	Pond 1	0.5050	156.88	0	360
Scenario1	Slug	Pond 1	0.7527	156.86	0	446
Scenario1	Slug	Pond 1	1.0027	156.85	0	518

Scenario	Sim	Node Name	Relative Time [hrs]	Stage [ft]	Total Inflow Volume [ft3]	Total Outflow Volume [ft3]
Scenario1	Slug	Pond 1	1.2527	156.84	0	581
Scenario1	Slug	Pond 1	1.5027	156.82	0	639
Scenario1	Slug	Pond 1	1.7527	156.81	0	692
Scenario1	Slug	Pond 1	2.0027	156.80	0	742
Scenario1	Slug	Pond 1	2.2527	156.79	0	788
Scenario1	Slug	Pond 1	2.5027	156.78	0	833
Scenario1	Slug	Pond 1	2.7527	156.78	0	875
Scenario1	Slug	Pond 1	3.0027	156.77	0	915
Scenario1	Slug	Pond 1	3.2527	156.76	0	954
Scenario1	Slug	Pond 1	3.5027	156.75	0	992
Scenario1	Slug	Pond 1	3.7527	156.75	0	1029
Scenario1	Slug	Pond 1	4.0027	156.74	0	1064
Scenario1	Slug	Pond 1	4.2527	156.73	0	1099
Scenario1	Slug	Pond 1	4.5027	156.72	0	1132
Scenario1	Slug	Pond 1	4.7527	156.72	0	1166
Scenario1	Slug	Pond 1	5.0027	156.71	0	1198
Scenario1	Slug	Pond 1	5.2527	156.70	0	1230
Scenario1	Slug	Pond 1	5.5027	156.70	0	1261
Scenario1	Slug	Pond 1	5.7527	156.69	0	1292
Scenario1	Slug	Pond 1	6.0027	156.69	0	1323
Scenario1	Slug	Pond 1	6.2527	156.68	0	1353
Scenario1	Slug	Pond 1	6.5027	156.67	0	1383
Scenario1	Slug	Pond 1	6.7527	156.67	0	1412
Scenario1	Slug	Pond 1	7.0027	156.66	0	1441
Scenario1	Slug	Pond 1	7.2527	156.65	0	1470
Scenario1	Slug	Pond 1	7.5027	156.65	0	1499
Scenario1	Slug	Pond 1	7.7527	156.64	0	1528
Scenario1	Slug	Pond 1	8.0027	156.64	0	1556
Scenario1	Slug	Pond 1	8.2527	156.63	0	1584
Scenario1	Slug	Pond 1	8.5027	156.63	0	1612
Scenario1	Slug	Pond 1	8.7527	156.62	0	1640
Scenario1	Slug	Pond 1	9.0027	156.61	0	1667
Scenario1	Slug	Pond 1	9.2527	156.61	0	1694
Scenario1	Slug	Pond 1	9.5027	156.60	0	1722
Scenario1	Slug	Pond 1	9.7527	156.60	0	1749
Scenario1	Slug	Pond 1	10.0027	156.59	0	1776
Scenario1	Slug	Pond 1	10.2527	156.59	0	1803
Scenario1	Slug	Pond 1	10.5027	156.58	0	1829
Scenario1	Slug	Pond 1	10.7527	156.57	0	1856
Scenario1	Slug	Pond 1	11.0027	156.57	0	1882
Scenario1	Slug	Pond 1	11.2527	156.56	0	1908
Scenario1	Slug	Pond 1	11.5027	156.56	0	1935

Scenario	Sim	Node Name	Relative Time [hrs]	Stage [ft]	Total Inflow Volume [ft3]	Total Outflow Volume [ft3]
Scenario1	Slug	Pond 1	11.7527	156.55	0	1961
Scenario1	Slug	Pond 1	12.0027	156.55	0	1986
Scenario1	Slug	Pond 1	12.2527	156.54	0	2012
Scenario1	Slug	Pond 1	12.5027	156.54	0	2038
Scenario1	Slug	Pond 1	12.7527	156.53	0	2063
Scenario1	Slug	Pond 1	13.0027	156.52	0	2089
Scenario1	Slug	Pond 1	13.2527	156.52	0	2114
Scenario1	Slug	Pond 1	13.5027	156.51	0	2139
Scenario1	Slug	Pond 1	13.7527	156.51	0	2165
Scenario1	Slug	Pond 1	14.0027	156.50	0	2190
Scenario1	Slug	Pond 1	14.2527	156.50	0	2214
Scenario1	Slug	Pond 1	14.5027	156.49	0	2239
Scenario1	Slug	Pond 1	14.7527	156.49	0	2264
Scenario1	Slug	Pond 1	15.0027	156.48	0	2289
Scenario1	Slug	Pond 1	15.2527	156.48	0	2313
Scenario1	Slug	Pond 1	15.5027	156.47	0	2337
Scenario1	Slug	Pond 1	15.7527	156.47	0	2362
Scenario1	Slug	Pond 1	16.0027	156.46	0	2386
Scenario1	Slug	Pond 1	16.2527	156.46	0	2410
Scenario1	Slug	Pond 1	16.5027	156.45	0	2434
Scenario1	Slug	Pond 1	16.7527	156.45	0	2458
Scenario1	Slug	Pond 1	17.0027	156.44	0	2481
Scenario1	Slug	Pond 1	17.2527	156.43	0	2505
Scenario1	Slug	Pond 1	17.5027	156.43	0	2529
Scenario1	Slug	Pond 1	17.7527	156.42	0	2552
Scenario1	Slug	Pond 1	18.0027	156.42	0	2575
Scenario1	Slug	Pond 1	18.2527	156.41	0	2599
Scenario1	Slug	Pond 1	18.5027	156.41	0	2622
Scenario1	Slug	Pond 1	18.7527	156.40	0	2645
Scenario1	Slug	Pond 1	19.0027	156.40	0	2668
Scenario1	Slug	Pond 1	19.2527	156.39	0	2691
Scenario1	Slug	Pond 1	19.5027	156.39	0	2713
Scenario1	Slug	Pond 1	19.7527	156.38	0	2736
Scenario1	Slug	Pond 1	20.0027	156.38	0	2759
Scenario1	Slug	Pond 1	20.2527	156.37	0	2781
Scenario1	Slug	Pond 1	20.5027	156.37	0	2803
Scenario1	Slug	Pond 1	20.7527	156.36	0	2826
Scenario1	Slug	Pond 1	21.0027	156.36	0	2848
Scenario1	Slug	Pond 1	21.2527	156.35	0	2870
Scenario1	Slug	Pond 1	21.5027	156.35	0	2892
Scenario1	Slug	Pond 1	21.7527	156.34	0	2914
Scenario1	Slug	Pond 1	22.0027	156.34	0	2936

Scenario	Sim	Node Name	Relative Time [hrs]	Stage [ft]	Total Inflow Volume [ft3]	Total Outflow Volume [ft3]
Scenario1	Slug	Pond 1	22.2527	156.34	0	2957
Scenario1	Slug	Pond 1	22.5027	156.33	0	2979
Scenario1	Slug	Pond 1	22.7527	156.33	0	3001
Scenario1	Slug	Pond 1	23.0027	156.32	0	3022
Scenario1	Slug	Pond 1	23.2527	156.32	0	3043
Scenario1	Slug	Pond 1	23.5027	156.31	0	3065
Scenario1	Slug	Pond 1	23.7527	156.31	0	3086
Scenario1	Slug	Pond 1	24.0027	156.30	0	3107
Scenario1	Slug	Pond 1	24.2527	156.30	0	3128
Scenario1	Slug	Pond 1	24.5027	156.29	0	3149
Scenario1	Slug	Pond 1	24.7527	156.29	0	3170
Scenario1	Slug	Pond 1	25.0027	156.28	0	3190
Scenario1	Slug	Pond 1	25.2527	156.28	0	3211
Scenario1	Slug	Pond 1	25.5027	156.27	0	3232
Scenario1	Slug	Pond 1	25.7527	156.27	0	3252
Scenario1	Slug	Pond 1	26.0027	156.26	0	3272
Scenario1	Slug	Pond 1	26.2527	156.26	0	3293
Scenario1	Slug	Pond 1	26.5027	156.26	0	3313
Scenario1	Slug	Pond 1	26.7527	156.25	0	3333
Scenario1	Slug	Pond 1	27.0027	156.25	0	3353
Scenario1	Slug	Pond 1	27.2527	156.24	0	3373
Scenario1	Slug	Pond 1	27.5027	156.24	0	3393
Scenario1	Slug	Pond 1	27.7527	156.23	0	3413
Scenario1	Slug	Pond 1	28.0027	156.23	0	3432
Scenario1	Slug	Pond 1	28.2527	156.22	0	3452
Scenario1	Slug	Pond 1	28.5027	156.22	0	3472
Scenario1	Slug	Pond 1	28.7527	156.21	0	3491
Scenario1	Slug	Pond 1	29.0027	156.21	0	3510
Scenario1	Slug	Pond 1	29.2527	156.21	0	3530
Scenario1	Slug	Pond 1	29.5027	156.20	0	3549
Scenario1	Slug	Pond 1	29.7527	156.20	0	3568
Scenario1	Slug	Pond 1	30.0027	156.19	0	3587
Scenario1	Slug	Pond 1	30.2527	156.19	0	3606
Scenario1	Slug	Pond 1	30.5027	156.18	0	3625
Scenario1	Slug	Pond 1	30.7527	156.18	0	3644
Scenario1	Slug	Pond 1	31.0027	156.17	0	3662
Scenario1	Slug	Pond 1	31.2527	156.17	0	3681
Scenario1	Slug	Pond 1	31.5027	156.17	0	3700
Scenario1	Slug	Pond 1	31.7527	156.16	0	3718
Scenario1	Slug	Pond 1	32.0027	156.16	0	3737
Scenario1	Slug	Pond 1	32.2527	156.15	0	3755
Scenario1	Slug	Pond 1	32.5027	156.15	0	3773

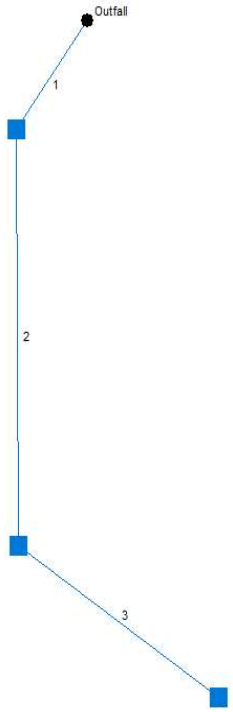
Scenario	Sim	Node Name	Relative Time [hrs]	Stage [ft]	Total Inflow Volume [ft3]	Total Outflow Volume [ft3]
Scenario1	Slug	Pond 1	32.7527	156.15	0	3791
Scenario1	Slug	Pond 1	33.0027	156.14	0	3809
Scenario1	Slug	Pond 1	33.2527	156.14	0	3827
Scenario1	Slug	Pond 1	33.5027	156.13	0	3845
Scenario1	Slug	Pond 1	33.7527	156.13	0	3863
Scenario1	Slug	Pond 1	34.0027	156.12	0	3881
Scenario1	Slug	Pond 1	34.2527	156.12	0	3899
Scenario1	Slug	Pond 1	34.5027	156.12	0	3916
Scenario1	Slug	Pond 1	34.7527	156.11	0	3934
Scenario1	Slug	Pond 1	35.0027	156.11	0	3951
Scenario1	Slug	Pond 1	35.2527	156.10	0	3969
Scenario1	Slug	Pond 1	35.5027	156.10	0	3986
Scenario1	Slug	Pond 1	35.7527	156.10	0	4003
Scenario1	Slug	Pond 1	36.0027	156.09	0	4021
Scenario1	Slug	Pond 1	36.2527	156.09	0	4038
Scenario1	Slug	Pond 1	36.5027	156.08	0	4055
Scenario1	Slug	Pond 1	36.7527	156.08	0	4072
Scenario1	Slug	Pond 1	37.0027	156.08	0	4089
Scenario1	Slug	Pond 1	37.2527	156.07	0	4105
Scenario1	Slug	Pond 1	37.5027	156.07	0	4122
Scenario1	Slug	Pond 1	37.7527	156.06	0	4139
Scenario1	Slug	Pond 1	38.0027	156.06	0	4156
Scenario1	Slug	Pond 1	38.2527	156.06	0	4172
Scenario1	Slug	Pond 1	38.5027	156.05	0	4189
Scenario1	Slug	Pond 1	38.7527	156.05	0	4205
Scenario1	Slug	Pond 1	39.0027	156.04	0	4221
Scenario1	Slug	Pond 1	39.2527	156.04	0	4238
Scenario1	Slug	Pond 1	39.5027	156.04	0	4254
Scenario1	Slug	Pond 1	39.7527	156.03	0	4270
Scenario1	Slug	Pond 1	40.0027	156.03	0	4286
Scenario1	Slug	Pond 1	40.2527	156.02	0	4302
Scenario1	Slug	Pond 1	40.5027	156.02	0	4318
Scenario1	Slug	Pond 1	40.7527	156.02	0	4334
Scenario1	Slug	Pond 1	41.0027	156.01	0	4350
Scenario1	Slug	Pond 1	41.2527	156.01	0	4365
Scenario1	Slug	Pond 1	41.5027	156.01	0	4381
Scenario1	Slug	Pond 1	41.7527	156.00	0	4396
Scenario1	Slug	Pond 1	42.0027	156.00	0	4402
Scenario1	Slug	Pond 1	42.2527	156.00	0	4402
Scenario1	Slug	Pond 1	42.5027	156.00	0	4402
Scenario1	Slug	Pond 1	42.7527	156.00	0	4402
Scenario1	Slug	Pond 1	43.0027	156.00	0	4402

Scenario	Sim	Node Name	Relative Time [hrs]	Stage [ft]	Total Inflow Volume [ft3]	Total Outflow Volume [ft3]
Scenario1	Slug	Pond 1	43.2527	156.00	0	4402
Scenario1	Slug	Pond 1	43.5027	156.00	0	4402
Scenario1	Slug	Pond 1	43.7527	156.00	0	4402
Scenario1	Slug	Pond 1	44.0027	156.00	0	4402
Scenario1	Slug	Pond 1	44.2527	156.00	0	4402
Scenario1	Slug	Pond 1	44.5027	156.00	0	4402
Scenario1	Slug	Pond 1	44.7527	156.00	0	4402
Scenario1	Slug	Pond 1	45.0027	156.00	0	4402
Scenario1	Slug	Pond 1	45.2527	156.00	0	4402
Scenario1	Slug	Pond 1	45.5027	156.00	0	4402
Scenario1	Slug	Pond 1	45.7527	156.00	0	4402
Scenario1	Slug	Pond 1	46.0027	156.00	0	4402
Scenario1	Slug	Pond 1	46.2527	156.00	0	4402
Scenario1	Slug	Pond 1	46.5027	156.00	0	4402
Scenario1	Slug	Pond 1	46.7527	156.00	0	4402
Scenario1	Slug	Pond 1	47.0027	156.00	0	4402
Scenario1	Slug	Pond 1	47.2527	156.00	0	4402
Scenario1	Slug	Pond 1	47.5027	156.00	0	4402
Scenario1	Slug	Pond 1	47.7527	156.00	0	4402
Scenario1	Slug	Pond 1	48.0027	156.00	0	4402
Scenario1	Slug	Pond 1	48.2527	156.00	0	4402
Scenario1	Slug	Pond 1	48.5027	156.00	0	4402
Scenario1	Slug	Pond 1	48.7527	156.00	0	4402
Scenario1	Slug	Pond 1	49.0027	156.00	0	4402
Scenario1	Slug	Pond 1	49.2527	156.00	0	4402
Scenario1	Slug	Pond 1	49.5027	156.00	0	4402
Scenario1	Slug	Pond 1	49.7527	156.00	0	4402
Scenario1	Slug	Pond 1	50.0027	156.00	0	4402
Scenario1	Slug	Pond 1	50.2527	156.00	0	4402
Scenario1	Slug	Pond 1	50.5027	156.00	0	4402
Scenario1	Slug	Pond 1	50.7527	156.00	0	4402
Scenario1	Slug	Pond 1	51.0027	156.00	0	4402
Scenario1	Slug	Pond 1	51.2527	156.00	0	4402
Scenario1	Slug	Pond 1	51.5027	156.00	0	4402
Scenario1	Slug	Pond 1	51.7527	156.00	0	4402
Scenario1	Slug	Pond 1	52.0027	156.00	0	4402
Scenario1	Slug	Pond 1	52.2527	156.00	0	4402
Scenario1	Slug	Pond 1	52.5027	156.00	0	4402
Scenario1	Slug	Pond 1	52.7527	156.00	0	4402
Scenario1	Slug	Pond 1	53.0027	156.00	0	4402
Scenario1	Slug	Pond 1	53.2527	156.00	0	4402
Scenario1	Slug	Pond 1	53.5027	156.00	0	4402

Scenario	Sim	Node Name	Relative Time [hrs]	Stage [ft]	Total Inflow Volume [ft3]	Total Outflow Volume [ft3]
Scenario1	Slug	Pond 1	53.7527	156.00	0	4402
Scenario1	Slug	Pond 1	54.0027	156.00	0	4402
Scenario1	Slug	Pond 1	54.2527	156.00	0	4402
Scenario1	Slug	Pond 1	54.5027	156.00	0	4402
Scenario1	Slug	Pond 1	54.7527	156.00	0	4402
Scenario1	Slug	Pond 1	55.0027	156.00	0	4402
Scenario1	Slug	Pond 1	55.2527	156.00	0	4402
Scenario1	Slug	Pond 1	55.5027	156.00	0	4402
Scenario1	Slug	Pond 1	55.7527	156.00	0	4402
Scenario1	Slug	Pond 1	56.0027	156.00	0	4402
Scenario1	Slug	Pond 1	56.2527	156.00	0	4402
Scenario1	Slug	Pond 1	56.5027	156.00	0	4402
Scenario1	Slug	Pond 1	56.7527	156.00	0	4402
Scenario1	Slug	Pond 1	57.0027	156.00	0	4402
Scenario1	Slug	Pond 1	57.2527	156.00	0	4402
Scenario1	Slug	Pond 1	57.5027	156.00	0	4402
Scenario1	Slug	Pond 1	57.7527	156.00	0	4402
Scenario1	Slug	Pond 1	58.0027	156.00	0	4402
Scenario1	Slug	Pond 1	58.2527	156.00	0	4402
Scenario1	Slug	Pond 1	58.5027	156.00	0	4402
Scenario1	Slug	Pond 1	58.7527	156.00	0	4402
Scenario1	Slug	Pond 1	59.0027	156.00	0	4402
Scenario1	Slug	Pond 1	59.2527	156.00	0	4402
Scenario1	Slug	Pond 1	59.5027	156.00	0	4402
Scenario1	Slug	Pond 1	59.7527	156.00	0	4402
Scenario1	Slug	Pond 1	60.0027	156.00	0	4402
Scenario1	Slug	Pond 1	60.2527	156.00	0	4402
Scenario1	Slug	Pond 1	60.5027	156.00	0	4402
Scenario1	Slug	Pond 1	60.7527	156.00	0	4402
Scenario1	Slug	Pond 1	61.0027	156.00	0	4402
Scenario1	Slug	Pond 1	61.2527	156.00	0	4402
Scenario1	Slug	Pond 1	61.5027	156.00	0	4402
Scenario1	Slug	Pond 1	61.7527	156.00	0	4402
Scenario1	Slug	Pond 1	62.0027	156.00	0	4402
Scenario1	Slug	Pond 1	62.2527	156.00	0	4402
Scenario1	Slug	Pond 1	62.5027	156.00	0	4402
Scenario1	Slug	Pond 1	62.7527	156.00	0	4402
Scenario1	Slug	Pond 1	63.0027	156.00	0	4402
Scenario1	Slug	Pond 1	63.2527	156.00	0	4402
Scenario1	Slug	Pond 1	63.5027	156.00	0	4402
Scenario1	Slug	Pond 1	63.7527	156.00	0	4402
Scenario1	Slug	Pond 1	64.0027	156.00	0	4402

Scenario	Sim	Node Name	Relative Time [hrs]	Stage [ft]	Total Inflow Volume [ft3]	Total Outflow Volume [ft3]
Scenario1	Slug	Pond 1	64.2527	156.00	0	4402
Scenario1	Slug	Pond 1	64.5027	156.00	0	4402
Scenario1	Slug	Pond 1	64.7527	156.00	0	4402
Scenario1	Slug	Pond 1	65.0027	156.00	0	4402
Scenario1	Slug	Pond 1	65.2527	156.00	0	4402
Scenario1	Slug	Pond 1	65.5027	156.00	0	4402
Scenario1	Slug	Pond 1	65.7527	156.00	0	4402
Scenario1	Slug	Pond 1	66.0027	156.00	0	4402
Scenario1	Slug	Pond 1	66.2527	156.00	0	4402
Scenario1	Slug	Pond 1	66.5027	156.00	0	4402
Scenario1	Slug	Pond 1	66.7527	156.00	0	4402
Scenario1	Slug	Pond 1	67.0027	156.00	0	4402
Scenario1	Slug	Pond 1	67.2527	156.00	0	4402
Scenario1	Slug	Pond 1	67.5027	156.00	0	4402
Scenario1	Slug	Pond 1	67.7527	156.00	0	4402
Scenario1	Slug	Pond 1	68.0027	156.00	0	4402
Scenario1	Slug	Pond 1	68.2527	156.00	0	4402
Scenario1	Slug	Pond 1	68.5027	156.00	0	4402
Scenario1	Slug	Pond 1	68.7527	156.00	0	4402
Scenario1	Slug	Pond 1	69.0027	156.00	0	4402
Scenario1	Slug	Pond 1	69.2527	156.00	0	4402
Scenario1	Slug	Pond 1	69.5027	156.00	0	4402
Scenario1	Slug	Pond 1	69.7527	156.00	0	4402
Scenario1	Slug	Pond 1	70.0027	156.00	0	4402
Scenario1	Slug	Pond 1	70.2527	156.00	0	4402
Scenario1	Slug	Pond 1	70.5027	156.00	0	4402
Scenario1	Slug	Pond 1	70.7527	156.00	0	4402
Scenario1	Slug	Pond 1	71.0027	156.00	0	4402
Scenario1	Slug	Pond 1	71.2527	156.00	0	4402
Scenario1	Slug	Pond 1	71.5027	156.00	0	4402
Scenario1	Slug	Pond 1	71.7527	156.00	0	4402
Scenario1	Slug	Pond 1	72.0027	156.00	0	4402

Hydraflow Plan View



Project file: Hydraflow A20190.stm	No. Lines: 3	03-19-2025

Storm Sewer Inventory Report

Line No.	Alignment				Flow Data				Physical Data								Line ID
	Dnstr line No.	Line length (ft)	Defl angle (deg)	Junc type	Known Q (cfs)	Drng area (ac)	Runoff coeff (C)	Inlet time (min)	Invert El Dn (ft)	Line slope (%)	Invert El Up (ft)	Line size (in)	Line type	N value (n)	J-loss coeff (K)	Inlet/ Rim El (ft)	
1	End	58.0	126.0	Genr	0.00	0.30	0.83	10.0	156.00	0.26	156.15	18	Cir	0.013	1.10	161.35	Inserted Line
2	1	179.0	-36.4	Genr	0.00	0.30	0.83	10.0	156.25	0.20	156.60	18	Cir	0.013	1.25	161.20	Inserted Line
3	2	116.0	-55.4	Genr	0.00	0.30	0.83	10.0	156.70	0.17	156.90	18	Cir	0.013	1.00	161.00	Inserted Line

Project File: Hydraflow A20190.stm | Number of lines: 3 | Date: 03-19-2025

Storm Sewer Summary Report

Line No.	Line ID	Flow rate (cfs)	Line size (in)	Line length (ft)	Invert EL Dn (ft)	Invert EL Up (ft)	Line slope (%)	HGL down (ft)	HGL up (ft)	Minor loss (ft)	Dns line No.
1	Inserted Line	5.01	18 c	58.0	156.00	156.15	0.259	157.51	157.64	0.14	End
2	Inserted Line	3.53	18 c	179.0	156.25	156.60	0.196	157.77	157.96	0.09	1
3	Inserted Line	1.89	18 c	116.0	156.70	156.90	0.172	158.04	158.08	0.03	2

Project File: Hydraflow A20190.stm | Number of lines: 3 | Run Date: 03-19-2025

NOTES: c = circular; e = elliptical; b = box; Return period = 10 Yrs.; * Indicates surcharge condition.

FL-DOT Report

Line No	To Line	Type of struc	n - value	Len	Drainage Area			Time of conc	Time of flow in sect	Inten (I)	Total CA	Add Q	Inlet elev	Elev of HGL			Rise	HGL	Actual		Date: 03-19-2025
					C1 = 0.2 C2 = 0.5 C3 = 0.9							Total flow		Elev of Crown			Span	Pipe	Full Flow		Frequency: 10 yrs
														Elev of Invert							Proj: Hydraflow A20190.stm
					Incre-ment (ac)	Sub-total (ac)	Sum CA					Q		Up	Down	Fall	Size	Slope	Vel	Cap	
				(ft)				(min)	(min)	(in/hr)		(cfs)	(ft)	(ft)	(ft)	(ft)	(in)	(%)	(ft/s)	(cfs)	Line description
1	End	Genr	0.013	58.0	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	13.07	0.34	6.7	0.75	0.00 5.01	161.35	157.64 157.65 156.15	157.51 157.50 156.00	0.13 0.15	18 18 Cir	0.22 0.26	2.84 3.02	5.01 5.34	Inserted Line
2	1	Genr	0.013	179.0	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	11.61	1.46	7.1	0.50	0.00 3.53	161.20	157.96 158.10 156.60	157.77 157.75 156.25	0.18 0.35	18 18 Cir	0.10 0.20	2.05 2.63	3.53 4.64	Inserted Line
3	2	Genr	0.013	116.0	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	10.00	1.61	7.6	0.25	0.00 1.89	161.00	158.08 158.40 156.90	158.04 158.20 156.70	0.03 0.20	18 18 Cir	0.03 0.17	1.20 2.47	1.89 4.36	Inserted Line

NOTES: Intensity = 53.96 / (Inlet time + 6.20) ^ 0.70 (in/hr)

National Flood Hazard Layer FIRMette

FEMA

82°42'41"W 30°11'17"N

82°42'4"W 30°10'46"N

Feet

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

1:6,000

Basemap Imagery Source: USGS National Map 2023

Legend

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

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

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

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

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

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

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

N

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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 10/23/2024 at 11:58 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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

Soil Map—Columbia County, Florida

Map Scale: 1:730 if printed on A portrait (8.5" x 11") sheet.

N

Meters
0 10 20 40 60

Feet
0 35 70 140 210

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 1:24,000.

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: Columbia County, Florida
Survey Area Data: Version 20, Aug 22, 2024

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jan 7, 2022—Feb 14, 2022

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
8	Blanton fine sand, 0 to 5 percent slopes	1.2	100.0%
Totals for Area of Interest		**1.2**	**100.0%**

5601 Mariner Street
Suite 105
Tampa, FL 33609
Phone: 813.288.0233
Fax: 813.288.0433

March 3, 2025

City of Lake City
Robert Angelo
Growth Management
205 North Marion Avenue
Lake City, Florida 32055

RE: AutoZone Lake City Site Plan Review
Comprehensive Plan Consistency Analysis
Parcel ID: 34-3S-16-02461-007
CPH Project #: A20190

To whom it may concern,

Let this report serve as our project's comprehensive plan consistency analysis, per Section D Number 7 of the Site plan application.

The relevant goals, objectives and policies are outlined from the city of Lake City comprehensive plan 2024 and consistency has been analyzed for the proposed project. The project specific description has been made under each element.

Future Land use element:

GOAL I - IN RECOGNITION OF THE IMPORTANCE OF ENHANCING THE QUALITY OF LIFE IN THE CITY, DIRECT DEVELOPMENT TO THOSE AREAS WHICH HAVE IN PLACE, OR HAVE AGREEMENTS TO PROVIDE, SERVICE CAPACITY TO ACCOMMODATE GROWTH IN AN ENVIRONMENTALLY ACCEPTABLE MANNER.

OBJECTIVE I.1 The City Concurrency Management System shall make available or schedule for availability the public facilities for future growth and urban development as development occurs to provide for urban densities and intensities within the City.

Policy I.1.2 The land development regulations of the City shall be based on and be consistent with the following land use classifications and corresponding standards for densities and intensities and shall establish the following floor area ratio(s) as per each classification.

Project Specific Description:

This project includes the construction of a 7,381 square foot AutoZone automobile parts store with site improvements including, but not limited to, new parking/storm water, water and sewer utilities.

The subject property is located within the Commercial Intensive (CI) future land use designation and

current designation. The proposed use is consistent with these designations as it will provide a new business location that will contribute to the commercial use.

Transportation Element:

GOAL II - PROVIDE FOR A TRANSPORTATION SYSTEM WHICH SERVES EXISTING AND FUTURE LAND USES.

OBJECTIVE II.1 The City shall establish a safe, convenient and efficient level of service standard which shall be maintained for all roadways.

Policy II.1.3. The City shall continue to require development to provide safe and convenient on-site traffic flow, which includes the provision for vehicle parking.

Project Specific Description:
The roadways adjacent to the site are W US HWY 90 and NW Forest Meadows Ave and NW American Ln.
The development has the 24 number of off-street parking spaces which is consistent with the comprehensive plan and policy.
The proposed development is anticipated to generate 372 daily vehicle trips and 33 peak-hour trips.
The number and frequency of connections and access points of driveways are in conformance with Chapter 14-96 and 14-97,Florida Administrative Code.

SANITARY SEWER, SOLID WASTE, DRAINAGE, POTABLE WATER AND NATURAL GROUNDWATER AQUIFER RECHARGE ELEMENT

SANITARY SEWER FACILITY SUB ELEMENT

GOAL IV-2- ENSURE THE PROVISION OF PUBLIC SANITARY SEWER FACILITIES IN A TIMELY, ORDERLY EFFICIENT AND ENVIRONMENTALLY SOUND MANNER AT AN ACCEPTABLE LEVEL OF SERVICE FOR THE CITY'S POPULATION.

OBJECTIVE IV.3 The City shall coordinate the extension of or increase in the capacity of facilities by scheduling the completion of public sanitary sewer facility improvements concurrent with projected demand.

Policy IV.3.1 The City hereby establishes the level of service standards for sanitary sewer facilities.

Project Specific Description:

The projected Wastewater demand for the development is 400 GPD as per FAC 62-6.008. The level of service standards for the sewer connection is consistent with the plan.

SOLID WASTE FACILITY SUB ELEMENT

GOAL IV-3 - ENSURE THE PROVISION OF PUBLIC SOLID WASTE FACILITIES IN A TIMELY, ORDERLY EFFICIENT AND ENVIRONMENTALLY SOUND MANNER AT AN ACCEPTABLE LEVEL OF SERVICE FOR THE CITY'S POPULATION.

OBJECTIVE IV.4 The City shall continue to coordinate the extension of, or increase in the capacity of solid waste facilities by scheduling the completion of public facility improvements and requiring that they are concurrent with projected demand.

Policy IV.4.1 The City establishes the level of service standards for solid waste disposal facilities.

Project Specific Description:

Projected solid waste generation is 24 pounds per day and the level of service standards is consistent with the plan.

DRAINAGE FACILITY SUB ELEMENT

GOAL IV-4 - ENSURE THE PROVISION OF PUBLIC DRAINAGE FACILITIES IN A TIMELY, ORDERLY EFFICIENT AND ENVIRONMENTALLY SOUND MANNER AT AN ACCEPTABLE LEVEL OF SERVICE FOR THE CITY'S POPULATION.

OBJECTIVE IV.5 The City shall continue to coordinate the extension of or increase in the capacity of drainage facilities by scheduling the completion of public facility improvements and requiring that they are concurrent with projected demand.

Policy IV.5.1 The City hereby establishes the level of service standards for drainage facilities.
Policy IV.5.2 The City shall prohibit the construction of structures or landscape alterations which would interrupt natural drainage flows, including sheet flow and flow to isolated wetland systems.
Policy IV.5.3 The City shall require a certification, by the preparer of the permit plans, that all construction activity undertaken shall incorporate erosion and sediment controls during construction.

Project Specific Description:

For this development a dry detention system has been planned such that the peak rate of post-development runoff will not exceed the peak-rate of pre-development runoff for storm events up through and including:
A design storm with 100-year critical duration rainfall depth for projects serving any land use other than agricultural, silvicultural, conservation, or recreational uses.
This project also adheres to the standards as specified in Chapter 40B-4, Florida Administrative Code (Rules of the Suwannee River Water Management District).
So, the level of service of this project on drainage facility is consistent with the city comprehensive plan.

POTABLE WATER FACILITY SUB ELEMENT
GOAL IV-5 - ENSURE THE PROVISION OF PUBLIC POTABLE WATER FACILITIES IN A TIMELY, ORDERLY EFFICIENT AND ENVIRONMENTALLY SOUND MANNER AT AN ACCEPTABLE LEVEL OF SERVICE IN ORDER TO PROVIDE A SAFE RELIABLE POTABLE WATER SYSTEM WITH THE ABILITY TO MEET PROJECT DEMANDS THROUGH THE YEAR 2025.

OBJECTIVE IV.6 The City shall continue to coordinate the extension of, or increase in the capacity of potable water facilities by scheduling the completion of public facility improvements and requiring that they are concurrent with projected demand.
Policy IV.6.1 The City hereby establishes the level of service standards for potable water.

Project Specific Description:

Projected Potable Water demand is 400 GPD based on FAC 62-6.008. The level of service standards for the potable water connection is consistent with the city's comprehensive plan.

If there are any questions about this concurrency analysis, do not hesitate to call our office at (813) 288 0233 or email me at mdangelo@cphcorp.com

Sincerely,
CPH, LLC.

Matthew D'Angelo, P.E.
Project Manager

5601 Mariner Street
Suite 105
Tampa, FL 33609
Phone: 813.288.0233
Fax: 813.288.0433

March 3, 2025

City of Lake City
Robert Angelo
Growth Management
205 North Marion Avenue
Lake City, Florida 32055

RE: AutoZone Lake City Site Plan Review
Concurrency Narrative
Parcel ID: 34-3S-16-02461-007
CPH Project #: A20190

To whom it may concern,

Let this letter serve as our project's concurrency analysis, per Section D Number 6 of the Site plan application.

Potable Water, Sewer, Solid Waste, and Drainage.
The project site will be served by the Lake City Utilities. The developer is proposing to tap existing water main from the NW Forest Meadows Ave to the project site. The sanitary sewer will be connected to the existing sanitary structure at NW Forest Meadows Ave. The project site drainage will be served by a proposed on-site stormwater management system with an ultimate discharge to the NW Forest Meadows Ave drainage system.

Roads/Transportation
The concurrency requirement will be met by satisfying all required conditions by the City of Lake City land development regulation section 13.12.3.1. Specific to this project, no capital improvement is proposed or necessary; however, the proposed project will not interfere with any capital improvement project proposed along this project's frontages. The capital improvements project proposed on NW Forest Meadows Ave (designed by CPH) is being accommodated by the proposed AutoZone development.

Parks and Recreation.
The concurrency requirement will be met as per the City of Lake City land development regulation section 13.12.3.1.

Public Schools.
This project does not have any concurrency requirements for public schools; therefore, this section is not applicable.

Information for LDR Sec.13.12.4 Concurrency Determination Procedure:

a) Legal Description

THE LAND REFERRED TO HEREIN BELOW IS SITUATED IN THE COUNTY OF COLUMBIA, STATE OF FLORIDA, AND IS DESCRIBED AS FOLLOWS:

COMMENCE AT THE SOUTHWEST CORNER OF THE SOUTHWEST 1/4, SECTION 34, TOWNSHIP 3 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA AND RUN THENCE NORTH 06°06'06" EAST ALONG HE ROAD NO. 10 (U.S. HIGHWAY 90), THENCE SOUTH 63°54'24" EAST ALONG SAID NORTHERLY RIGHT OF WAY LINE, 1215.59 FEET TO THE POINT OF BEGINNING, THENCE CONTINUE SOUTH 63°54'24" EAST ALONG SAID NORTHERLY RIGHT OF WAY LINE, 150.00 FEET TO THE WEST RIGHT OF WAY LINE OF PLANTATION BOULEVARD, THENCE NORTH 06°49'16" EAST ALONG SAID WEST RIGHT OF WAY LINE, 370.45 FEET TO A POINT OF CURVE, THENCE NORTHERLY ALONG SAID WEST RIGHT OF WAY LINE ALONG SAID CURVE CONCAVE TO THE WEST HAVING A RADIUS OF 1530.00 FEET AND A CENTRAL ANGLE OF 01°00'04", AN ARC DISTANCE OF 26.73 FEET, THENCE NORTH 63°54'24" WEST, 107.02 FEET TO A POINT ON A CURVE, THENCE SOUTHWESTERLY ALONG SAID CURVE CONCAVE TO THE NORTHWEST HAVING A RADIUS OF 50.00 FEET AND A CENTRAL ANGLE OF 56°08'18", AN ARC DISTANCE OF 48.99 FEET THENCE SOUTH 07°49'57" WEST 351.16 FEET TO THE POINT OF BEGINNING, LESS AND EXCEPT THAT PORTION CONVEYED TO THE STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION BY THAT CERTAIN WARRANTY DEED RECORDED ON MARCH 4, 2005 IN OFFICIAL RECORDS BOOK 1039, PAGE 2032.

RESERVING HOWEVER TO GRANTOR, OWNERSHIP OF AN ADVERTISING SIGN LOCATED ON THAT PORTION OF THE ABOVE DESCRIBED PROPERTY MORE DESCRIBED PROPERTY MORE DESCRIBED IN THAT CERTAIN WARRANTY DEED RECORDED ON MARCH 4, 2005 IN OFFICIAL RECORDS BOOK 1039, PAGE 2032.

AND
TOGETHER WITH A PERPETUAL NON-EXCLUSIVE EASEMENT FOR INGRESS AND EGRESS OVER AND ACROSS THE ABOVE DESCRIBED LANDS TO REPAIR, REPLACE AND MAINTAIN SAID ADVERTISING SIGN.

THE LEGAL DESCRIPTION, TO BE DETERMINED BY A SURVEY, IS TO BE PROVIDED TO THE COMPANY, BY A FLORIDA REGISTERED LAND SURVEYOR; MEETING THE MINIMUM STANDARDS FOR ALL LAND SURVEYS AS SET FORTH IN CHAPTER 472.027, FLORIDA STATUES OR IN CHAPTER 21 HH 6, FLORIDA ADMINISTRATIVE CODE.
THE COMPANY RESERVES THE RIGHT TO MAKE SUCH ADDITIONAL SCHEDULE B-I, REQUIREMENTS; SCHEDULE B-II, EXCEPTIONS; AND/OR TO MODIFY THE FOREGOING LEGAL DESCRIPTION, AS IT DEEMS NECESSARY.

b) Narrative Description

This project includes the construction of a 7,381 square foot AutoZone automobile parts store with site improvements including, but not limited to, new parking/storm water, water and sewer utilities.

The subject property is located within the Commercial Intensive (CI) future land use designation and current designation. The proposed use is consistent with these designations as it will provide a new business location that will contribute to the commercial use.

c) Identification of All Roadways Adjacent to the Site

The roadways adjacent to the site are W US HWY 90 and NW Forest Meadows Ave and NW American Ln.

d) Projected Average Daily Traffic (ADT) and Peak-Hour Traffic

The proposed development is anticipated to generate 372 daily vehicle trips and 33 peak-hour trips.

e) Projected Potable Water Demand

400 GPD based on FAC 62-6.008

f) Projected Wastewater Demand

400 GPD based on FAC 62-6.008

g) Projected Solid Waste Generation

24 pounds per day

h) Description of the Stormwater Management System

Stormwater management system will use a dry retention pond to accommodate the treatment and attenuation required.

i) Identification of Required Park and Recreation Facilities

The proposed development does not provide park and recreation areas.

j) Development Schedule

Pending final permitting approvals, the proposed development is anticipated to start construction in July 2025. Pending the actual start date, construction is anticipated to take approximately four months, putting an anticipated completion date in November 2025.

If there are any questions about this concurrency analysis, do not hesitate to call our office at (813) 288 0233 or email me at mdangelo@cphcorp.com

Sincerely,
CPH, LLC.

Matthew D'Angelo, P.E.
Project Manager

5601 Mariner Street
Suite 105
Tampa, FL 33609
Phone: 813.288.0233
Fax: 813.288.0433

1/15/2024

Trip Generation Table

Table 1
Trip Generation Table

Scenario	Land Use	Size	AM Peak Hour			PM Peak Hour			Weekday		
			Entry	Exit	Total	Entry	Exit	Total	Entry	Exit	Total
Proposed	843 - Automobile Parts Sales	7.38 KSF [1]	9	8	17	16	17	33	186	186	372
	Pass-by Rate		0%			43%			0%		
	Pass-by Trips		0	0	0	-7	-7	-14	0	0	0
	New Vehicle Trips		9	8	17	9	10	19	186	186	372
Note:	[1] KSF = 1000 Square Feet										

DEPARTMENT OF GROWTH MANAGEMENT
205 North Marion Avenue
Lake City, Florida 32055
Telephone: (386) 719-5750
growthmanagement@lcfla.com

REVIEW REPORT TO PLANNING AND ZONING, BOARD OF ADJUSTMENT AND HISTORICAL COMMITTEES' BY STAFF FOR SITE PLAN REVIEW, SPECIAL EXCEPTIONS, VARIANCES, COMPREHENSIVE PLAN AMENDMENTS/ ZONING AND CERTIFICATE OF APPROPRIATENESS

Date: 03/26/25

Request Type: Site Plan Review (SPR) ■ Special Exception (SE) ☐ Variances (V) ☐

Comprehensive Plan Amendment/Zoning (CPA/Z) ☐ Certificate of Appropriateness (COA) ☐

Project Number: SPR 25-02

Project Name: Autozone

Project Address: N/A

Project Parcel Number: 34-3S-16-02461-007

Owner Name: Jemel Realestate Holdings

Owner Address: 1043 SW Pineview Circle, Live Oak, FL

Owner Contact Information: Telephone Number: 901-495-7253 Email: robert.ross@autozone.com

Owner Agent Name: Jeffery Scott

Owner Agent Address: 1043 SW Pineview Circle, Live Oak, FL

Owner Agent Contact Information: Telephone: 901-495-7253 Email: robert.ross@autozone.com

The City of Lake City staff has reviewed the application and documents provided for the above request and have determined the following.

Growth Management – Building Department, Planning and Zoning, Code Enforcement, Permitting

Building Department: **Reviewed by:** Signed by: Scott Thomason 7C2DC476A33B441... **Date:** 3/28/2025

No Comments from the building department at this time.

Planning and Zoning: **Reviewed by:** Signed by: Bryan S. Thomas B0C7E588CB9E4F2... **Date:** 4/24/2025

Need to provide landscaping buffer on the north 150 feet of the east side of property, as well as along the north property line, as those areas abut residentially zoned properties (RSF-2 and RO respectively).

Business License: **Reviewed by:** Signed by: Alina Gill FB87FE76C7AF457... **Date:** 3/26/2025

Will need to apply for a Business license

Code Enforcement: Reviewed by: Signed by: Marshall Sova E8B18D144D974CD... **Date:** 3/26/2025

No liens, codes or violations on this property

Permitting: Reviewed by: Signed by: Alina Gill FB87FE76C7AF457... **Date:** 3/26/2025

Will need to submit a building permit application

Utilities – Water, Sewer, Gas, Water Distribution/Collections, Customer Service

Water Department: Reviewed by: Signed by: Mike L. Osborn Jr. **Date:** 3/26/2025

Will need proper backflows installed and inspected prior to service.

Sewer Department: Reviewed by: DocuSigned by: Cody Pridgeon **Date:** 3/26/2025

Sewer Plant has capacity

Gas Department: Reviewed by: Signed by: Steve Brown **Date:** 3/26/2025

No gas request?

Water Distribution/Collection: Reviewed by: Signed by: Brian Scott **Date:** 3/26/2025

How do they plan on protecting the city easement out back, and how will we have access to it? It looks like the storm pipe will cross the city utility in the rear, which is not a good idea.

Customer Service: Reviewed by: DocuSigned by: Shasta Pelham **Date:** 4/7/2025

A tap application would need to be submitted in order to apply for water, sewer and/or natural gas services. The concerns Mr. Scott, Distribution & Collection Director noted would have to be addressed prior to utility plan approval. This response does not represent the City of Lake City's commitment for or reservation of capacity. In accordance with the City of Lake City's policies and procedures, commitment to serve is made only upon the City of Lake City's approval of your application for service and receipt of your payment for all applicable fees.

Public Safety – Public Works, Fire Department, Police Department

Public Works: **Reviewed by:** Signed by: Steve Brown 8B57D0CE8F2F4B5... **Date:** 3/26/2025

Do they have stormwater approval?

Fire Department: **Reviewed by:** Signed by: B6B732AC1FEC481... **Date:** 3/27/2025

The plans packet shows Columbia County Fire Department as the approving fire department agency. That needs to be changed to our department.

Police Department: **Reviewed by:** Signed by: Sue Trull 665374359EAC4D8... **Date:** 3/28/2025

No comments at this time

Please provide separate pages for comments that will not fit in provided spaces and please label the pages for your department and for the project.

State and County- FDOT, Suwannee River Water Management, School Board, Columbia County

FDOT: Reviewed by: _____ **Date:** _____

Suwannee River Water Management: Reviewed by: DocuSigned by: Garrett Spencer 650C0305882B42D... **Date:** 4/1/2025

The site has a 10/2 permit for the development. Permit Number 0456684001EG.

School Board: Reviewed by: DocuSigned by: Keith Hatcher 96699F1916BC425... **Date:** 3/26/2025

No comments at this time.

County Engineer: Reviewed by: DocuSigned by: Chad Williams 35A47263EAB7416... **Date:** 4/1/2025

No issues were identified by this office at this time. This comment is provided by the County Engineer based only on the information contained in the application provided. This response does not constitute the engineer's professional opinion with respect to the project and does not constitute approval of any committee or board for Columbia County. Such opinions and approvals, if any, shall be as provided by County code or regulations.

County Planner: Reviewed by: Signed by: Lorie 009DC6991E794BF... **Date:** 3/31/2025

County has no comment at this time.

LAKE CITY GROWTH MANAGEMENT
STAFF ANALYSIS REPORT

Project Information	
Project Name and Case No.	AutoZone Site Plan Review SPR 25-02
Applicant	Jeffery Scott, agent
Owner	Jemel Realestate Holdings, LLC
Requested Action	• Review a site plan for a new construction of an AutoZone.
Hearing Date	06-10-2025
Staff Analysis/Determination	Sufficient for Review
Prepared By	Robert Angelo

Subject Property Information	
Size	+/- 1.22 Acres
Location	TBD
Parcel Number	36-3S-16-02461-007
Future Land Use	Commercial
Proposed Future Land Use	Commercial
Current Zoning District	Commercial Intensive
Proposed Zoning	Commercial Intensive
Flood Zone-BFE	Flood Zone X Base Flood Elevation-N/A

Land Use Table				
Direction	**Future Land Use**	**Zoning**	**Existing Use**	**Comments**
N	Residential Medium	RO	Office	
E	Commercial	CI	Office	
S	Commercial	CI	Retail	
W	Commercial	CI	Office	

Zoning Review		
Zoning Requirements	**Required/Section of LDR**	**Actual**
Minimum lot requirements.	1 Acre/ 4.13.6.1 200 Feet lot frontage	1.22 Acres
Minimum yard requirements (setbacks) Front-Each Side-Rear.	4.13.7.1 Front 20 Side 0 Rear 15	Meets required setbacks.
Are any structure within 35 feet of a wetland?	35-foot buffer/ 4.13.7	No wetland
Max height of signs.	35-foot/ 4.2.20.7.3	No sign proposed
Max square footage of signs.	No signs proposed/ 4.2.20.7.5	No sign proposed
Lot coverage of all buildings.	1.0/ 4.13.9	13 % coverage.
Minimum landscape requirements.	20 foot if abutting a residential district or none if not/ 4.15.10	Does not abut a residential district.
Minimum number of parking spaces.	22 spaces/ 4.2.13.16	24 spaces
Minimum number of ADA parking spaces.	1 space	2 spaces
Parking space size requirement.	10x20	10x20
ADA parking space size.	12x20 with 5x20 access aisle.	12x20 with 5x20 access aisle.

Map of Location

Picture of Location

Summary of Request

Applicant has petitioned to get an approval of a site plan to build a new AutoZone.

File Attachments for Item:

iii. SPR 25-05- Petitions submitted by Lance Jones, PE (agent) for Odom Moses and Company, LLP (owner), for a Site Plan Review for Expansion of Odom Moses and Company building, in the Commercial Intensive Zoning District, and located on parcel 02461-506, which is regulated by the Land Development Regulations section 4.13.

GROWTH MANAGEMENT
205 North Marion Ave.
Lake City, FL 32055
Telephone: (386)719-5750
E-Mail:
growthmanagement@lcfla.com

FOR PLANNING USE ONLY
Application # [redacted] SPR 25-06
Application Fee $200.00
Receipt No._____
Filing Date 3/14/25
Completeness Date _____

Site Plan Application

A. PROJECT INFORMATION

1. Project Name: Odom, Moses & Company Building Expansion
2. Address of Subject Property: 4641 US Highway 90 W, Lake City, FL 32055
3. Parcel ID Number(s): 34-3S-16-02461-506 (10080)
4. Future Land Use Map Designation: _____
5. Zoning Designation: _____
6. Acreage: 1.989 +/-
7. Existing Use of Property: Professional Business Office
8. Proposed use of Property: Professional Business Office
9. Type of Development (Check All That Apply):
   - ☐ Increase of floor area to an existing structure: Total increase of square footage _____
   - ☑ New construction: Total square footage 3632 SF
   - ☐ Relocation of an existing structure: Total square footage _____

B. APPLICANT INFORMATION

1. Applicant Status ☐ Owner (title holder) ■ Agent
2. Name of Applicant(s): Lance Jones Title: Agent
   Company name (if applicable): Jones Engineering & Consulting
   Mailing Address: 855 SW Baya Dr
   City: Lake City State: FL Zip: 32025
   Telephone: (386) 965-9000 Fax: (____) _____ Email: ljones@jonesengineering.net

PLEASE NOTE: Florida has a very broad public records law. Most written communications to or from government officials regarding government business is subject to public records requests. Your e-mail address and communications may be subject to public disclosure.

3. If the applicant is agent for the property owner*.
   Property Owner Name (title holder): Odom, Moses & Company LLP
   Mailing Address: 4641 US Highway 90 W
   City: Lake City State: FL Zip: 32055
   Telephone: (____) _____ Fax: (____) _____ Email: _____

4. Mortgage or Lender Information: ☐ Yes ☐ No
   Name of Mortgage or Lender: _____
   Contact Name: _____ Telephone Number: _____
   E-Mail Address: _____
   If property has a mortgage or lender, the mortgage or lender shall be required to provide a release for this application to proceed.

PLEASE NOTE: Florida has a very broad public records law. Most written communications to or from government officials regarding government business is subject to public records requests. Your e-mail address and communications may be subject to public disclosure.
***Must provide an executed Property Owner Affidavit Form authorizing the agent to act on behalf of the property owner.**

C. ADDITIONAL INFORMATION

1. Is there any additional contract for the sale of, or options to purchase, the subject property?
   If yes, list the names of all parties involved: N/A
   If yes, is the contract/option contingent or absolute: □ Contingent □Absolute
2. Has a previous application been made on all or part of the subject property? □Yes ☒ No
3. Future Land Use Map Amendment: □Yes_____ ■No _____
   Future Land Use Map Amendment Application No. _____
   Site Specific Amendment to the Official Zoning Atlas (Rezoning): □Yes_____ ■No_____
   Site-Specific Amendment to the Official Zoning Atlas (Rezoning) Application No. _
   Variance:□Yes_____ ■No_____
   Variance Application No. _____
   Special Exception: □Yes_____ ■No_____
   Special Exception Application No. _____

D. ATTACHMENT/SUBMITTAL REQUIREMENTS

1. **Vicinity Map** – Indicating general location of the site, abutting streets, existing utilities, complete legal description of the property in question, and adjacent land use.

2. **Site Plan** – Including, but not limited to the following:
   a. Name, location, owner, and designer of the proposed development.
   b. Present zoning for subject site.
   c. Location of the site in relation to surrounding properties, including the means of ingress and egress to such properties and any screening or buffers on such properties.
   d. Date, north arrow, and graphic scale not less than one inch equal to 50 feet.
   e. Area and dimensions of site (Survey).
   f. Location of all property lines, existing right-of-way approaches, sidewalks, curbs, and gutters.
   g. Access to utilities and points of utility hook-up.
   h. Location and dimensions of all existing and proposed parking areas and loading areas.
   i. Location, size, and design of proposed landscaped areas (including existing trees and required landscaped buffer areas).
   j. Location and size of any lakes, ponds, canals, or other waters and waterways.
   k. Structures and major features fully dimensioned including setbacks, distances between structures, floor area, width of driveways, parking spaces, property or lot lines, and percent of property covered by structures.
   l. Location of trash receptacles.
   m. For multiple-family, hotel, motel, and mobile home park site plans:
      i. Tabulation of gross acreage.
      ii. Tabulation of density.
      iii. Number of dwelling units proposed.
      iv. Location and percent of total open space and recreation areas.
      v. Percent of lot covered by buildings.

vi. Floor area of dwelling units.
vii. Number of proposed parking spaces.
viii. Street layout.
ix. Layout of mobile home stands (for mobile home parks only).

3. **Stormwater Management Plan**—Including the following:
   a. Existing contours at one-foot intervals based on U.S. Coast and Geodetic Datum.
   b. Proposed finished elevation of each building site and first floor level.
   c. Existing and proposed stormwater management facilities with size and grades.
   d. Proposed orderly disposal of surface water runoff.
   e. Centerline elevations along adjacent streets.
   f. Water management district surface water management permit.

4. **Fire Department Access and Water Supply Plan:** The Fire Department Access and Water Supply Plan must demonstrate compliance with Chapter 18 of the Florida Fire Prevention Code, be located on a separate signed and sealed plan sheet, and must be prepared by a professional fire engineer licensed in the State of Florida. The Fire Department Access and Water Supply Plan must contain fire flow calculations in accordance with the Guide for Determination of Required Fire Flow, latest edition, as published by the Insurance Service Office ("ISO") and/or Chapter 18, Section 18.4 of the Florida Fire Prevention Code, whichever is greater.

5. **Mobility Plan:** Mobility plan shall include accessibility plan for ADA compliance, safe and convenient onsite traffic flow, and accessibility plan for bicycle and pedestrian safety. The City shall require additional right of way width for bicycle and pedestrian ways to be provided for all proposed collector and arterial roadways, as integrated or parallel transportation facilities per Policy II.1.4 of the Comprehensive Plan.

6. **Concurrency Impact Analysis:** Concurrency Impact Analysis of impacts to public facilities. For commercial and industrial developments, an analysis of the impacts to Transportation, Potable Water, Sanitary Sewer, and Solid Waste impacts are required.

7. **Comprehensive Plan Consistency Analysis**: An analysis of the application's consistency with the Comprehensive Plan (analysis must identify specific Goals, Objectives, and Policies of the Comprehensive Plan and detail how the application complies with said Goals, Objectives, and Policies).

8. **Legal Description with Tax Parcel Number** (In Word Format).

9. **Proof of Ownership** (i.e. deed).

10. **Agent Authorization Form** (signed and notarized).

11. **Proof of Payment of Taxes** (can be obtained online via the Columbia County Tax Collector's

Office).

12. **Fee:** The application fee for a Site and Development Plan Application is $200.00. No application shall be accepted or processed until the required application fee has been paid

13. **Notices:** All property owners within three hundred (300) feet must be notified by certified mail by the proponent and proof of the receipt of these notices must be submitted as part of the application package submittal.
    The Growth Management Department shall supply the name and addresses of the property owners, The notification letters, and the envelopes to the proponent.

ACKNOWLEDGEMENT, SIGNATURES, AND NOTORY ON FOLLOWING PAGE

NOTICE TO APPLICANT

All eleven (13) attachments listed above are required for a complete application. Once an application is submitted and paid for, a completeness review will be done to ensure all the requirements for a complete application have been met. If there are any deficiencies, the applicant will be notified in writing. If an application is deemed to be incomplete, it may cause a delay in the scheduling of the application before the Planning & Zoning Board.

A total of eight (2) copies of proposed site plan application and all support materials must be submitted along with a PDF copy on a CD. See City of Lake City submittal guidelines for additional submittal requirements.

THE APPLICANT ACKNOWLEDGES THAT THE APPLICANT OR AGENT MUST BE PRESENT AT THE PUBLIC HEARING BEFORETHE PLANNING AND ZONING BOARD, AS ADOPTED IN THE BOARD RULES AND PROCEDURES. OTHERWISE THE REQUEST MAY BE CONTINUED TO A FUTURE HEARING DATE.

I hereby certify that all of the above statements and statements contained in any documents or plans submitted herewith are true and accurate to the best of my knowledge and belief.

Lance Jones

Christopher L Jones

Digitally signed by Christopher L Jones
Date: 2025.03.14 11:30:02 -04'00'

Applicant/Agent Name (Type or Print)

Applicant/Agent Signature

Date

Applicant/Agent Name (Type or Print)

Applicant/Agent Signature

Date

STATE OF FLORIDA
COUNTY OF _____

The foregoing instrument was acknowledged before me this _____day of _____, 20___, by (name of person acknowledging).

(NOTARY SEAL or STAMP)

Signature of Notary

Printed Name of Notary

Personally, Known _____OR Produced Identification _____OR verified on-line virtually _____
Type of Identification Produced

Columbia County Property Appraiser

Jeff Hampton | Lake City, Florida | 386-758-1083

PARCEL: 34-3S-16-02461-506 (10080) | OFFICE BLD 1STY (1700) | 1.989 AC

LOTS 4, 5, 6 & 7 PLANTATION VILLAGE S/D. WD 1128-2128, WD 1291-232, WD 1291-232, CLOSED EASEMENT QC 1314-537,

ODOM, MOSES & COMPANY LLP

Owner: 4641 US HIGHWAY 90 W
LAKE CITY, FL 32055

Site: 4330 NW AMERICAN LN, LAKE CITY

Sales Info

3/13/2015	$725,000	V (Q)
8/20/2007	$900,000	V (Q)
6/28/2001	$160,000	V (P)

2025 Working Values

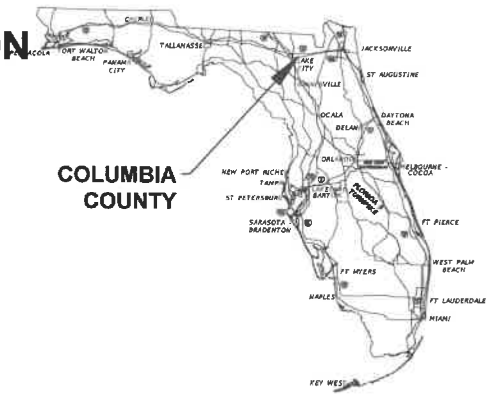
Mkt Lnd	$866,685	Appraised	$1,620,843
Ag Lnd	$0	Assessed	$1,620,843
Bldg	$710,102	Exempt	$0
XFOB	$44,056		**county:**$1,620,843
Just	$1,620,843	Total Taxable	**city:**$1,620,843
			other:$0
			school:$1,620,843

NOTES:

Columbia County, FL

File Location: G:\My Drive\Jones Land Development Group\Projects\2024\J241115OMC_Odom Moses and Company Expansion\H.CADD\J241115ODM_cov01 \G100 KEY SHEET
Date Created: January 13, 2025 Date Last Saved: March 23, 2025 Date Plotted: May 29, 2025

CIVIL CONSTRUCTION PLANS
FOR
ODOM, MOSES & COMPANY EXPANSION



VICINITY MAP

LAKE CITY, FL

SECTION 34, TOWNSHIP 3S, RANGE 16E

PLANS PREPARED FOR:
ODOM, MOSES & COMPANY
4641 US HIGHWAY 90 W
LAKE CITY, FL 32055
(386) 752-4621
INFO@ODOMMOSES.COM

Sheet List Table

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C300	PAVING GRADING & DRAINAGE PLAN
C301	PAVING, GRADING & DRAINAGE DETAILS
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CLC SITE DEVELOPMENT PLAN APPLICATION
NOT FOR CONSTRUCTION

JONES
ENGINEERING & CONSULTING, LLC
855 SW BAYA DRIVE LAKE CITY, FL 32025
386.965.9000 LJONES@JONESENGINEERING.NET

KEY SHEET

START DATE	REVISION HISTORY		
11/15/2024	NO	DATE	DESCRIPTION
DESIGNED BY:			
CLJ			
DRAFTED BY			
CLJ			
CHECKED BY			
CLJ			

PROJECT NO J241115OMC | PLOT DATE 5/29/2025 | SHEET NO G100

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AT THE JOB SITE TO INSURE THAT ALL NEW WORK WILL FIT IN THE MANNER INTENDED ON THE PLANS. SHOULD ANY CONDITIONS EXIST THAT ARE CONTRARY TO THOSE SHOWN ON THE PLANS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF SUCH DIFFERENCES IMMEDIATELY AND PRIOR TO COMMENCING WORK.

2. NO FIELD CHANGES OR DEVIATIONS FROM THE PLANS ARE TO BE MADE WITHOUT PRIOR APPROVAL OF THE ENGINEER.

3. THE CONTRACTOR SHALL COMPLY WITH ALL CONDITIONS AS SET FORTH BY THE ISSUED SUWANNEE RIVER WATER MANAGEMENT DISTRICT ENVIRONMENTAL RESOURCE PERMIT, FLORIDA DEPARTMENT OF TRANSPORTATION DRAINAGE AND DRIVEWAY CONNECTION PERMIT, FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION DRINKING WATER FACILITY PERMIT, AND FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION DOMESTIC WASTEWATER COLLECTION/TRANSMISSION SYSTEM PERMIT AS REQUIRED.

4. THE CONTRACTOR SHALL MAINTAIN THE CONSTRUCTION SITE IN A SECURE MANNER. ALL OPEN TRENCHES AND EXCAVATED AREAS SHALL BE PROTECTED FROM ACCESS BY THE GENERAL PUBLIC.

5. THE SITE IS LOCATED IN SECTION 34, TOWNSHIP 3 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA.

6. BOUNDARY INFORMATION SHOWN, WAS OBTAINED FROM A TOPOGRAPHIC AND BOUNDARY SURVEY PREPARED BY BRITT SURVEYING & MAPPING, LLC.

7. THE BENCHMARKS NOTED IN THE PLANS WERE DETERMINED FROM THE USGS QUADRANGLE MAP.

8. ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR SHOULD INFORM THE ENGINEER AND NOTIFY:

GEODETIC INFORMATION CENTER
6001 EXECUTIVE BOULEVARD
ROCKVILLE, MARYLAND 20852
TELEPHONE 301.443.8319

9. ALL WETLAND BUFFERS SHALL BE PERMANENTLY MONUMENTED ACCORDING TO THE REQUIREMENTS AS ESTABLISHED IN CHAPTER 41G17-6, F.A.C. PRIOR TO COMMENCEMENT OF ROAD CONSTRUCTION OR THE SALE OF ANY LOT, WHICHEVER COMES FIRST.

10. FINISHED FLOOR ELEVATIONS SHALL BE AT LEAST ONE (1) FOOT ABOVE THE CENTERLINE OF THE ADJACENT ROADWAY OR AS NOTED FOR THE INDIVIDUAL LOT. DURING DEVELOPMENT OF EACH LOT, THE LOT SHALL BE GRADED TO DRAIN TO THE ROADSIDE DITCH OF THE ADJACENT ROADWAY.

11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR GAINING COMPLETE FAMILIARITY WITH THE PROJECT SITE INCLUDING ACCESS LIMITATIONS, SUBSURFACE SOIL CONDITIONS, AND GROUNDWATER TABLE.

12. T HE CONTRACTOR SHALL REVIEW AND BECOME FAMILIAR WITH ALL REQUIRED UTILITY CONNECTIONS PRIOR TO BIDDING. CONTRACTOR SHALL PROVIDE ALL WORK AND MATERIALS REQUIRED TO COMPLETE CONNECTION TO THE EXISTING UTILITIES. THIS INCLUDES BUT IS NOT LIMITED TO MANHOLE CORING, WET TAPS, PAVEMENT REPAIRS AND DIRECTIONAL BORING.

13. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CALL IN AN 811 DIG TICKET AT LEAST THREE (3) NORMAL WORKING DAYS PRIOR TO BEGINNING TRENCHING OR EXCAVATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES IN THE AREA TO AIDE IN LOCATING POTENTIAL UNDERGROUND SERVICES.

14. THE LOCATION AND SIZE OF THE UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE ONLY AND BASED ON THE BEST AVAILABLE INFORMATION TO THE ENGINEER AT THE TIME OF THE TOPOGRAPHIC SURVEY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE ENGINEER OR OWNER. ADDITIONAL UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF ALL EXISTING UTILITIES. THE EXACT LOCATION SHALL BE DETERMINED BY THE CONTRACTOR PRIOR TO DIGGING THROUGH ELECTRONIC METHODS AND HAND EXCAVATION IN COORDINATION WITH ALL UTILITY COMPANIES. FURTHERMORE, THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES DUE TO THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. ANY CONFLICTS OF EXISTING UTILITIES AND PROPOSED IMPROVEMENTS SHALL BE RESOLVED WITH THE OWNER/ENGINEER AND/OR UTILITY SERVICE PROVIDER PRIOR TO BEGINNING CONSTRUCTION OPERATIONS.

15. THE CONTRACTOR SHALL COORDINATE INSTALLATION OF ANY UNDERGROUND CONDUIT AND/OR PIPING REQUIRED FOR UTILITIES PRIOR TO BEGINNING SUBGRADE WORK. THE CONTRACTOR SHALL COORDINATE RELOCATION OF ALL EXISTING UTILITIES WITH THE APPLICABLE UTILITY COMPANIES.

16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXISTING UTILITIES IN PROJECT AREA AT ALL TIMES DURING CONSTRUCTION TO INCLUDE PROVIDING DIRECT SUPPORT AND/OR SHORING EXCAVATED AREAS AS NECESSARY. THE CONTRACTOR SHALL NOTIFY THE AFFECTED UTILITY COMPANIES PRIOR TO ATTEMPTING ANY FACILITY SUPPORT. IF A UTILITY COMPANY REQUIRES THAT ONLY THEIR CREWS MAY SUPPORT THEIR FACILITIES, THEN THE CONTRACTOR SHALL PROVIDE FOR THE REQUIRED COORDINATION AND PAYMENT. COST FOR THIS WORK SHALL BE INCLUDED IN THE BID UNIT PRICES FOR THIS PROJECT.

17. ALL EXISTING WATER VALVES, FIRE HYDRANTS, WATER METERS/SERCICES, AND APPURTENANCES AFFECTED BY CONSTRUCTION SHALL BE ADJUSTED AS NECESSARY. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.

18. THE "TRENCH SAFETY ACT" SHALL BE INCORPORATED IN THIS CONTRACT AS ENACTED BY THE LEGISLATURE OF THE STATE OF FLORIDA TO BE IN EFFECT AS OF OCTOBER 1, 1990.

19. THE CONTRACTOR SHALL RESTORE ALL DRAINAGE SWALES/DITCHES AND REPAIR OR REPLACE ALL DRAINAGE STRUCTURES AFFECTED BY CONSTRUCTION ACTIVITIES. RESTORED DRAINAGE SWALES/DITCHES SHALL MEET ALL ORIGINAL CONDITIONS (INCLUDING LOCATION, GRADE, SOD TYPE, ETC). REPAIRED OR REPLACED DRAINAGE STRUCTURES SHALL MEET ALL ORIGINAL CONDITIONS (INCLUDING LOCATION, ELEVATION, SIZE, MATERIAL, ETC). PRE AND POST CONSTRUCTION AS-BUILT INFORMATION SHALL BE PROVIDED FOR ALL DISTURBED DRAINAGE FACILITIES. THE COST FOR DRAINAGE FACILITY RESTORATION/REPAIR/REPLACEMENT WORK SHALL BE INCLUDED IN THE BID UNIT PRICES FOR THIS PROJECT.

20. CONTRACTOR SHALL PROVIDE ACTUAL INVERT ELEVATIONS ON ALL DRAINAGE STRUCTURES, INCLUDING CULVERTS, PRIOR TO PLACING ANY BASE MATERIAL. DEVIATIONS FROM THE PLANS SHALL BE APPROVED BY THE ENGINEER BEFORE CONTINUING WORK.

21. THE CONTRACTOR SHALL RESTORE/REPLACE ALL EXISTING PAVEMENT, DRIVEWAYS, SIDEWALKS, MAILBOXES, SOD, LANDSCAPING, CONDUIT, CABLE, IRRIGATION SYSTEMS, ETC AFFECTED BY CONSTRUCTION ACTIVITIES. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION SHALL BE PROVIDED.

22. CONCRETE AND ASPHALT DRIVEWAYS SHALL BE RESTORED/REPLACED FROM SAW CUT TO EDGE OF ROADWAY PAVEMENT. COST FOR THIS WORK SHALL BE INCLUDED IN THE BID UNIT PRICES FOR THIS PROJECT.

23. SOD SHALL BE REPLACED FOR THE FULL WIDTH DISTURBED AND TYPE SHALL MATCH THE EXISTING SPECIES UNLESS OTHERWISE SPECIFIED IN THE PLANS. COST FOR THIS WORK SHALL BE INCLUDED IN THE BID UNIT PRICES FOR THIS PROJECT.

24. ALL DISTURBED AREAS NOT SODDED SHALL BE SEEDED WITH A MIXTURE OF LONG-TERM VEGETATION AND QUICK GROWING SHORT-TERM VEGETATION FOR THE FOLLOWING CONDITIONS. FOR THE MONTHS FROM SEPTEMBER THROUGH MARCH, THE MIX SHALL CONSIST OF 70 POUNDS PER ACRE OF LONG-TERM SEED AND 20 POUNDS PER ACRE OF WINTER RYE. FOR THE MONTHS OF APRIL THOUGH AUGUST, THE MIX SHALL CONSIST OF 70 PER ACRE OF LONG-TERM SEED AND 20 POUNDS PER ACRE OF MILLET.

25. THE CONTRACTOR SHALL WASTE ALL EXCESS EARTH ON SITE AS DIRECTED BY THE ENGINEER.

26. ALL SITE CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF LAKE CITY LAND DEVELOPMENT REGULATIONS.

27. CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER CONTRACTORS WITHIN PROJECT AREA.

28. CONTRACTOR SHALL PERFORM SURVEY AND PERFORM TESTING UNLESS OTHERWISE SPECIFIED BY THE ENGINEER.

29. THIS PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE F.D.O.T. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (CURRENT EDITION) AND THE F.D.O.T. DESIGN STANDARDS (CURRENT EDITION), AWWA SPECIFICATIONS, AND THE CITY OF LAKE CITY DEVELOPMENT STANDARDS UNLESS OTHERWISE NOTED.

30. THE CONTRACTOR SHALL BE RESPONSIBLE TO SCHEDULE PRE-CONSTRUCTION MEETINGS AND BECOME FAMILIAR WITH ALL APPLICABLE AGENCY PROCEDURES PRIOR TO COMMENCING WORK. THE OWNER, ARCHITECT, AND ENGINEER MUST BE INVITED AT LEAST FIVE (5) DAYS PRIOR TO ATTEND SUCH SCHEDULED MEETINGS.

31. IF UNSUITABLE MATERIAL IS ENCOUNTERED DURING GRADING, CONTRACTOR SHALL REMOVE UNSUITABLE MATERIAL TO A DEPTH OF 24" BELOW FINISHED GRADE WITHIN THE CONSTRUCTION LIMITS.

32. THE CONTRACTOR SHALL NOTIFY THE CITY AT LEAST 48 HOURS PRIOR TO BEGINNING OF CONSTRUCTION.

33. CONTRACTOR SHALL SUBMIT A NOTICE OF CONSTRUCTION COMMENCEMENT TO THE WATER MANAGEMENT DISTRICT AT LEAST 48 HOURS PRIOR TO THE BEGINNING OF CONSTRUCTION.

34. THE CONTRACTOR SHALL NOTIFY THE CITY AT LEAST 48 HOURS IN ADVANCE OF THE PRESSURE AND LEAKAGE TESTS.

35. NO FINAL TESTING OR PRESSURE TESTING WILL BE ACCEPTED UNLESS WITNESSED BY THE CITY'S REPRESENTATIVE.

36. NO WORK SHALL BE PERFORMED ON SATURDAY OR SUNDAY WITHOUT WRITTEN NOTIFICATION TO THE CITY AND CITY ENGINEER.

37. CONTRACTOR SHALL PROVIDE AN AS-BUILT SURVEY MEETING THE REQUIREMENTS OF CHAPTER 61G17 F.A.C. FOR THE STORMWATER MANAGEMENT SYSTEMS. INCLUDE HORIZONTAL AND VERTICAL DIMENSIONAL DATA SO THAT IMPROVEMENTS ARE LOCATED AND DELINEATED RELATIVE TO THE BOUNDARY. PROVIDE SUFFICIENT DETAILED DATA TO DETERMINE WHETHER THE IMPROVEMENTS WERE CONSTRUCTED IN ACCORDANCE WITH THE PLANS. SUBMIT THE SURVEY TO THE ENGINEER ON REPRODUCIBLE 20LB. VELLUM. A COPY OF THE AS-BUILT PLANS (IN PAPER AND DIGITAL AUTOCAD FORMAT) MUST BE SUBMITTED TO THE CITY OF LAKE CITY, FLORIDA (DEPARTMENT OF GROWTH MANAGEMENT) AND THE ENGINEER.

38. THE CONTRACTOR SHALL SUBMIT A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM NOTICE OF INTENT ALONG WITH SUPPORTING DOCUMENTATION TO THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION AT LEAST 48 HOURS PRIOR TO BEGINNING OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMIT FEES.

39. IF DURING CONSTRUCTION OR OPERATION OF THE STORM WATER MANAGEMENT SYSTEM, A STRUCTURAL FAILURE IS OBSERVED THAT HAS THE POTENTIAL TO CAUSE THE DIRECT DISCHARGE OF SURFACE WATER INTO THE FLORIDAN AQUIFER SYSTEM, CORRECTIVE ACTIONS DESIGNED OR APPROVED BY A REGISTERED PROFESSIONAL SHALL BE TAKEN AS SOON AS PRACTICAL TO CORRECT THE FAILURE. A REPORT PREPARED BY A REGISTERED PROFESSIONAL MUST BE PROVIDED AS SOON AS PRACTICAL TO THE DEPARTMENT FOR REVIEW AND APPROVAL THAT PROVIDES REASONABLE ASSURANCE THAT THE BREACH WILL BE PERMANENTLY CORRECTED.

WATER MAINS

1. UNLESS OTHERWISE APPROVED BY THE ENGINEER, ALL WATER SYSTEM CONSTRUCTION SHALL BE INSTALLED, INSPECTED, AND TESTED IN ACCORDANCE WITH THE CITY OF LAKE CITY MINIMUM DESIGN AND CONSTRUCTION STANDARDS MANUAL, LATEST EDITION. IN CASE OF DISCREPANCIES BETWEEN THE CONSTRUCTION PLANS AND THE CITY SPECIFICATIONS, THE MOST RESTRICTIVE SHALL GOVERN.

2. THE CONTRACTOR SHALL MAINTAIN EXISTING WATER MAINS IN SERVICE DURING CONSTRUCTION. IN THE EVENT OF INTERRUPTIONS TO SERVICE ARE REQUIRED DURING CONSTRUCTION, SUCH INSTANCES SHALL BE MINIMIZED.

3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR STAKING OUT THE PIPE LINE LOCATION AND NOTIFYING THE ENGINEER AT LEAST TWO (2) WORKING DAYS PRIOR TO THE COMMENCEMENT OF THE WATER SYSTEM.

4. THE CONTRACTOR SHALL COORDINATE THE TIE-INS TO THE EXISTING WATER SYSTEM WITH THE CITY OF CITY OF LAKE CITY UTILITIES MAINTENANCE MANAGER AT LEAST TWO (2) WORKING DAYS PRIOR TO THE INTENDED TIME OF CONNECTION. THE METHOD AND CONDITIONS OF THE TIE-INS SHALL BE IN ACCORDANCE WITH THE CURRENT CITY UTILITIES STANDARDS AND PROCEDURES.

5. CONFLICTS BETWEEN PROPOSED WATER LINES THAT CROSS SANITARY SEWER, STORM SEWER, FORCE MAINS, OR RECLAIMED WATER LINES SHALL CROSS ABOVE SUCH PIPELINES BY A MINIMUM OF TWELVE INCHES.

6. PVC PIPE POTABLE WATER LINE

a. ALL PVC PIPE OF NOMINAL DIAMETER FOUR THROUGH TWELVE INCHES SHALL BE MANUFACTURED IN ACCORDANCE WITH ANSI/AWWA STANDARD C-900, LATEST EDITION. THE PVC PIPE SHALL HAVE A MINIMUM WORKING PRESSURE RATING OF 150 PSI AND SHALL HAVE A DIMENSION RATIO (DR) OF 18. PIPE SHALL HAVE THE SAME OUTSIDE DIAMETER (OD) AS DUCTILE IRON PIPE.

b. ALL PVC PIPE OF NOMINAL DIAMETER 14 THROUGH 24 INCHES SHALL BE MANUFACTURED IN ACCORDANCE WITH ANSI/AWWA STANDARD C905, LATEST EDITION. THE PVC PIPE SHALL HAVE A MINIMUM WORKING PRESSURE RATING OF 165 PSI AND SHALL HAVE A DR OF 26. PIPE SHALL BE THE SAME O.D. AS DUCTILE IRON PIPE.

7. DUCTILE IRON PIPE (D.I.P.) SHALL BE CEMENT-MORTAR LINED CLASS 350 MECHANICAL, OR PUSH-ON JOINT, AND SHALL MEET ALL REQUIREMENTS FOT EH FOLLOWING: ANSI/AWWA C104/A 21.4; ANSI/AWWA C111/A 21.11 (FOR RUBBER GASKET JOINTS); ANSI/AWWA C150/21.50 (FOR THICKNESS DESIGN) AND ANSI/AWWA C151/A 21.51 (FOR D.I.P. MOLDS).

8. FITTINGS SHALL BE DUCTILE IRON, CEMENT-MORTAR LINED, MECHANICAL JOINT, RATED AT 350 psi MEETING ALL REQUIREMENTS OF THE FOLLOWING ANSI/AWWA C104/A21.4; ANSI/AWWA C110/A21.10; AND ANSI/AWWA C111/A21.11.

9. ALL DEDICATED FIRE SERVICE LINES TO BUILDING SHALL BE POLYVINYL CHLORIDE (PVC), ANSI/AWWA C-900, DR 14, AND SHALL HAVE A MINIMUM PRESSURE RATING OF 305 PSI.

10. ALL PIPE, PIPE FITTINGS, PIPE JOINT PACKING AND JOINTING MATERIALS, VALVES, FIRE HYDRANTS, AND METERS INSTALLED UNDER THIS PROJECT SHALL CONFORM TO APPLICABLE AMERICAN WATER WORKS ASSOCIATION (AWWA) STANDARDS.

11. ALL PUBLIC WATER SYSTEM COMPONENTS, EXCLUDING FIRED HYDRANTS, THAT WILL BE INSTALLED UNDER THIS PROJECT AND THAT WILL COME INTO CONTACT WITH DRINKING WATER SHALL CONFORM TO NSF INTERNATIONAL STANDARD 61 AS ADOPTED IN RULE 62-555.335 F.A.C., OR OTHER APPLICABLE STANDARDS, REGULATIONS, OR REQUIREMENTS REFERENCED IN PARAGRAPH 62-555.320(3)(B), F.A.C.

12. ALL PIPE AND PIPE FITTINGS INSTALLED UNDER THIS PROJECT SHALL CONTAIN NO MORE THAN 8.0% LEAD, AND ANY SOLDER OR FLUX USED IN THIS PROJECT WILL CONTAIN NO MORE THAN 0.2% LED.

13. NEW OR ALTERED WATER MAINS INCLUDED IN THIS PROJECT SHALL BE INSTALLED IN ACCORDANCE WITH APPLICABLE AWWA STANDARDS OR IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDED PROCEDURES.

14. ALL WATER MAIN TEES, BENDS, PLUGS, AND HYDRANTS INSTALLED UNDER THIS PROJECT SHALL BE PROVIDED WITH RESTRAINED JOINTS TO PREVENT MOVEMENT IN ACCORDANCE WITH THE UTILITY COMPANY DESIGN AND CONSTRUCTION STANDARDS.

15. ALL WATER MAINS SHALL HAVE A MINIMUM OF 36 INCHES OF COVER FROM FINISHED GRADE UNLESS OTHERWISE NOTED IN THE PLANS.

16. ALL WATER MAINS SHALL BE BLUE IN COLOR OR MARKED WITH A CONTINUOUS STRIPE LOCATED WITHIN THE TOP 90 DEGREES OF THE PIPE. SAID STRIPE SHALL BE A MINIMUM OF 2 INCHES IN WIDTH AND SHALL BE BLUE IN COLOR. A WARNING TAPE SHALL BE BURIED 12 TO 18 INCHES ABOVE THE LINE.

17. ALL WATER MAINS SHALL BE INSTALLED WITH CONTINUOUS, INSULATED 10 GAUGE SOLID COPPER WIRE TAPED DIRECTLY ON TOP OF THE PIPE FOR LOCATION PURPOSES. ALL SPLICING SHALL BE WATER TIGHT. TERMINATE INSULATED LOCATOR WIRES, CAPABLE OF EXTENDING 12 INCHES ABOVE TOP OF BOX, AT EACH VALVE BOX PAD.

18. LOCATOR BALLS SHALL BE PROVIDED AT THE END OF ALL WATER SERVICE LATERALS. THE LOCATOR BALLS SHALL BE SECURED TO THE LATERALS WITH A PLASTIC TIE STRAP.

19. WATER AND SANITARY SEWER LATERALS SHALL BE LEFT UNCOVERED UNTIL INSPECTED BY THE ENGINEER OR THE ENGINEER'S INSPECTOR.

20. THE CONTRACTOR SHALL PROVIDE TEMPORARY STAKES (2" BY 2" WOODEN STAKES) AT THE END OF EACH LATERAL. EACH STAKE SHALL INDICATE EITHER WATER OR SANITARY SEWER LATERAL. CONTRACTOR SHALL MAINTAIN THE STAKES UNTIL AN AS-BUILT SURVEY OF WATER AND SANITARY SEWER MAINS AND LATERALS ARE COMPLETE AND APPROVED BY THE ENGINEER.

21. CONTRACTOR SHALL INSTALL TEMPORARY BLOWOFFS AT ENDS OF PROPOSED WATER MAINS AND SERVICE LATERALS TO ASSURE ADEQUATE FLUSHING AND DISINFECTION/CHLORINATION.

22. ALL WATER MAINS SHALL BE STERILIZED IN ACCORDANCE WITH THE LATEST APPLICABLE SECTION OF AWWA C-651 AND CITY OF LAKE CITY PUBLIC WORKS SPECIFICATIONS. CONTRACTOR SHALL NOTIFY THE CITY UTILITIES INSPECTOR 48 HOURS PRIOR TO ARRANGE FOR CHLORINATION AND BACTERIOLOGICAL SAMPLING OF THE WATER SYSTEM. SECTIONS OF PIPE TO BE DISINFECTED SHALL FIRST BE FLUSHED WITH PIG(S) TO REMOVE ANY SOLIDS OR CONTAMINATED MATERIAL. IF NO HYDRANT EXISTS AT THE END OF THE MAIN, A BLOW-OFF VALVE LARGE ENOUGH TO DEVELOP A VELOCITY OF 2.5 FEET PER SECOND IN THE MAIN SHALL BE PROVIDED.

23. ALL TAPS REQUIRED FOR CHLORINATION OR FLUSHING PURPOSE, OR FOR TEMPORARY RELEASE OF AIR, SHALL BE PROVIDED BY THE CONTRACTOR. FOLLOWING CHLORINATION, ALL TREATED WATER SHALL BE THOROUGHLY FLUSHED UNTIL THE WATER SHOWS A CHLORINE FREE RESIDUE NOT IN EXCESS OF THAT NORMALLY CARRIED IN THE SYSTEM. AFTER DISINFECTION, THE CONTRACTOR SHALL SEAL ALL SUCH TAPS TO THE CITY'S SATISFACTION.

24. AFTER FLUSHING, WATER SAMPLES COLLECTED ON TWO SUCCESSIVE DAYS FROM THE TREATED PIPING SYSTEM SHALL SHOW ACCEPTABLE BACTERIOLOGICAL RESULTS. ALL BACTERIOLOGICAL TESTING SHALL BE WITNESSED BY THE CITY AT THE EXPENSE OF THE CONTRACTOR.

25. THE CONTRACTOR SHALL PROVIDE POTABLE WATER TEST REPORTS IN ACCORDANCE WITH FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION REQUIREMENTS AFTER DISINFECTION OF THE SYSTEM.

26. ALL WATER MAINS SHALL BE HYDROSTATIC TESTED AT 150 PSI MINIMUM FOR A PERIOD OF 2 HOURS PROVIDED THE ROAD BASE IS IN PLACE.

GRAVITY SEWER SYSTEM NOTES

1. UNLESS OTHERWISE APPROVED BY THE ENGINEER, ALL WATER SYSTEM CONSTRUCTION SHALL BE INSTALLED, INSPECTED, AND TESTED IN ACCORDANCE WITH THE CITY OF CITY OF LAKE CITY MINIMUM DESIGN AND CONSTRUCTION STANDARDS MANUAL, LATEST EDITION. IN CASE OF DISCREPANCIES BETWEEN THE CONSTRUCTION PLANS AND THE CITY SPECIFICATIONS, THE MOST RESTRICTIVE SHALL GOVERN.

2. ALL SANITARY SEWER MAINS AND LATERALS SHALL HAVE A MINIMUM OF 36 INCHES OF COVER.

3. PRIOR TO COMMENCING WORK WHICH REQUIRES CONNECTING NEW WORK TO EXISTING LINES OR APPURTENANCES, THE CONTRACTOR SHALL VERIFY LOCATION AND ELEVATION OF EXISTING CONNECTION POINTS AND NOTIFY THE OWNER OR ENGINEER OF RECORD OF ANY CONFLICTS OR DISCREPANCIES.

4. PVC PIPE & FITTINGS (4"-15") SHALL BE SDR 26 CONFORMING TO THE REQUIREMENTS OF ASTM D3034. PVC PIPE & FITTINGS (18" OR GREATER) SHALL BE SDR 26 CONFORMING TO THE REQUIREMENTS OF ASTM F679 T-1.

5. MAXIMUM LAYING LENGTHS OF ALL PVC GRAVITY PIPE SIZES (4"-15") SHALL BE 13 FEET. MAXIMUM LAYING LENGTHS OF ALL PVC GRAVITY PIPE SIZES GREATER THAN 18 INCHES SHALL BE 12 FEET.

6. ALL SANITARY SEWER LINES SHALL BE GREEN IN COLOR OR MARKED WITH A CONTINUOUS STRIPE LOCATED WITHIN THE TOP 90 DEGREES OF THE PIPE. SAID STRIPE SHALL BE A MINIMUM OF 2 INCHES IN WIDTH AND SHALL BE GREEN IN COLOR. A WARNING TAPE SHALL BE BURIED 12 TO 18 INCHES ABOVE THE LINE.

7. LOCATOR BALLS SHALL BE PROVIDED AT THE END OF ALL SANITARY SEWER SERVICE LATERALS. THE LOCATOR BALLS SHALL BE SECURED TO THE LATERALS WITH A PLASTIC TIE STRAP.

8. ALL PIPE SHALL BE INSTALLED TO THE HOMING MARK ON THE SPIGOT. THE CITY SHALL BE GIVEN OPPORTUNITY TO CHECK ALL JOINTS N THIS MANNER BEFORE BACKFILLING.

9. THE CONTRACTOR SHALL MARK THE EXACT LOCATION OF THE TERMINATION POINT OF EACH INSTALLED SERVICE BY INDENTING THE LETTER "S" INTO THE WET CONCRETE CURB. NO SAW CUTS WILL BE ALLOWED TO INDICATE THE TERMINATION POINT OF THE SERVICE. WHERE NO CONCRETE CURB EXISTS, LOCATIONS SHALL BE ADEQUATELY MARKED BY A 4" X 4" X 18" CONCRETE PAD AND BY INDENTING THE LETTER "S" INTO THE TOP OF THE WET CONCRETE PAD. NO SAW CUTS WILL BE ALLOWED TO INDICATE LOCATION.

10. GRAVITY SEWERS SHALL BE REQUIRED TO PASS A LOW-PRESSURE AIR LEAKAGE TEST BEFORE ACCEPTANCE. EACH SECTION SHALL BE TESTED BETWEEN CONSECUTIVE MANHOLES. THE CONTRACTOR SHALL FLUSH ALL SEWERS WITH WATER SUFFICIENT IN VOLUME TO OBTAIN FREE FLOW THROUGH EACH LINE. FLUSHING WATER AND DEBRIS SHALL NOT ENTER ANY PUMP STATION, WET WELL, OR EXISTING SEWER. DURING FLUSHING WATER WILL BE PUMPED FROM THE SEWER SYSTEM TO AN ACCEPTABLE DISCHARGE LOCATION. A VISUAL INSPECTION SHALL BE MADE AND ALL OBSTRUCTIONS REMOVED. THE CONTRACTOR SHALL NOTIFY THE CITY INSPECTOR 48 HOURS PRIOR TO PERFORMING ANY LEAKAGE TEST.

11. ALL GRAVITY SEWER PIPING SHALL BE SUBJECT TO A VISUAL INSPECTION BY THE OWNER OR ENGINEER OF RECORD. THE CONTRACTOR SHALL NOTIFY THE OWNER/ENGINEER 48 HOURS IN ADVANCE TO SCHEDULE THE INSPECTION.

12. THE OWNER/ENGINEER WILL REQUIRE A VIDEO INSPECTION OF THE GRAVITY SEWER LINE TO CHECK FOR ALIGNMENT AND DEFLECTION. THE FIRST INSPECTION WILL BE WITHIN 30 DAYS AFTER PIPE INSTALLATION, PROVIDED THE ROAD BASE IS IN PLACE AND THE MANHOLE RINGS AND COVERS ARE TO GRADE. IF THE SEWER IS 12 BELOW THE FINISHED GRADE, THE VIDEO INSPECTION SHALL BE PERFORMED ONCE THE TRENCH HAS BEEN COMPACTED UP TO THE ROAD BASE. A VIDEO INSPECTION MAY ALSO BE PERFORMED BEFORE THE END OF THE ONE YEAR WARRANTY PERIOD.

13. THE CONTRACTOR SHALL BE REQUIRED TO REPAIR OR REPLACE ANY PIPELINE WITH CRACKED, BROKEN, DEFECTIVE PIPE, PIPE MISALIGNMENT, VERTICAL SAGS IN EXCESS OF 1/2", AND RING DEFLECTION OF PVC PIPE IN EXCESS OF 5%. THE OWNER/ENGINEER RESERVES THE RIGHT TO PASS A MANDREL THROUGH THE PVC TO DETERMINE RING DEFLECTION.

14. SUCCESSFUL PASSAGE OF THE LEAKAGE TEST AND/OR THE VIDEO INSPECTION IS REQUIRED BEFORE ACCEPTANCE BY THE OWNER/ENGINEER. VIDEO INSPECTION SHALL BE PROVIDED ON DIGITAL COMPACT DISK (DVD) FOR REVIEW.

15. THE CONTRACTOR SHALL PROVIDE THREE COPIES OF CERTIFIED UTILITY RECORDS DRAWINGS, SIGNED AND SEALED BY A PROFESSIONAL SURVEYOR. THE RECORD DRAWINGS SHALL SHOW THE LOCATIONS OF ALL WATER MAINS AND SERVICES AND ENGINEER OF RECORD. THE DEVELOPERS ENGINEERS SHALL PROVIDE TWO COMPLETE SET OF RECORD DOCUMENTS, ALSO A COMPLETE SET OF RECORD DOCUMENTS, IN COMPUTER FORM TO THE CITY. THIS DOCUMENTATION SHALL BE ON COMPACT DISK (CD) IN AUTOCAD VERSION 14 OR ABOVE OR DXF FORMAT AND IN FLORIDA STATE PLAIN (NAD83 WEST). IN ADDITION TO THE COMPACT DISK THE ENGINEER SHALL PROVIDE A DOCUMENT LISTING THE LAYERS AND COLORS/LINETYPE UTILIZED IN PREPARATION OF THE DRAWING. THESE COMPUTER FILES SHALL CONTAIN ALL THE INFORMATION SHOWN ON THE RECORD DRAWING.

16. CONTRACTOR SHALL PROVIDE ESRI SHAPE FILES ON COMPACT DISK (CD) FOR THE WATER VALVES, SEWER MANHOLES, STORM WATER MANHOLES, AND FORCE MAIN VALVES IN FLORIDA STATE PLAIN (NAD83 WEST) PROJECTION.

STANDARD SEPARATION OF WATER/SEWER CONFLICTS

1. NEW OR RELOCATED, UNDERGROUND WATER MAINS INCLUDED IN THIS PROJECT SHALL HAVE A HORIZONTAL DISTANCE OF AT LEAST SIX FEET, WITH TEN FEET BEING PREFERRED, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED GRAVITY-TYPE SANITARY SEWER, EXISTING OR PROPOSED PRESSURE-TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C. IN CASES WHERE IT IS NOT POSSIBLE TO MAINTAIN A SIX FEET HORIZONTAL SEPARATION, THE WATER MAIN MUST BE LAID IN A SEPARATE TRENCH OR AN UNDISTURBED EARTH SHELF LOCATED ON ONE SIDE OF THE SEWER OR FORCE MAIN AT SUCH AN ELEVATION THAT THE BOTTOM OF THE WATER MAIN IS AT LEAST EIGHTEEN INCHES ABOVE THE TOP OF THE SEWER.

2. THE HORIZONTAL SEPARATION DISTANCE BETWEEN WATER MAINS AND GRAVITY-TYPE SANITARY SEWERS MAY BE REDUCED TO THREE FEET WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST TWELVE INCHES ABOVE THE TOP OF THE SEWER. WHERE IT IS NOT POSSIBLE TO MAINTAIN A VERTICAL DISTANCE OF TWELVE INCHES IN PARALLEL INSTALLATIONS, THE WATER MAIN SHALL BE CONSTRUCTED OF D.I.P. (IF AVAILABLE IN THE PROPOSED SIZE) WITH A MINIMUM VERTICAL DISTANCE OF SIX INCHES. THE WATER MAIN SHOULD BE LOCATED AS FAR APART AS POSSIBLE FROM JOINTS ON THE SEWER OR FORCE MAIN (STAGGERED JOINTS).

3. NEW OR RELOCATED, UNDERGROUND WATER MAINS THAT ARE INCLUDED IN THIS PROJECT AND THAT WILL CROSS ANY EXISTING PROPOSED GRAVITY OR VACUUM-TYPE SANITARY SEWER OR STORM SEWER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST TWELVE INCHES ABOVE THE OTHER PIPELINE.

4. NEW OR RELOCATED, UNDERGROUND WATER MAINS THAT ARE INCLUDED IN THIS PROJECT AND THAT WILL CROSS ANY EXISTING PROPOSED PRESSURE-TYPE SANITARY SEWER, WASTEWATER OR STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER WILL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST TWELVE INCHES ABOVE THE OTHER PIPELINE.

5. AT THE UTILITY CROSSING DESCRIBED ABOVE, SEPARATION DISTANCE SHALL NOT APPLY WHERE A WATER SERVICE PIPE CROSSES A SEWER PIPE, PROVIDED THE WATER SERVICE PIPE IS SLEEVED TO AT LEAST FIVE FEET HORIZONTALLY FROM THE SEWER PIPE CENTERLINE ON BOTH SIDES OF SUCH CROSSINGS PIPE MATERIAL LISTED IN FLORIDA BUILDING CODE SECTION 603.2.

6. MAXIMUM OBTAINABLE SEPARATION OF RECLAIMED WATER LINES AND DOMESTIC WATER LINES SHALL BE PRACTICED. A MINIMUM HORIZONTAL SEPARATION OF FIVE FEET CENTER ON CENTER OR THREE FEET OUTSIDE TO OUTSIDE SHALL BE MAINTAINED BETWEEN RECLAIMED WATER LINES AND EITHER PORTABLE WATER MAINS OR SEWAGE COLLECTION LINES. A MINIMUM VERTICAL CLEARANCE OF TWELVE INCHES MUST BE MAINTAINED BETWEEN RECLAIMED WATER LINES AND POTABLE WATER MAINS OR SEWAGE COLLECTION LINES. AT CROSSINGS, THE PROVISIONS OF F.A.C. RULE 62-604 AND 10 STATES STANDARDS APPLY.

START DATE	REVISION HISTORY		
11/15/2024	NO	DATE	DESCRIPTION
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CLJ			

ODOM, MOSES & COMPANY EXPANSION
GENERAL NOTES
LAKE CITY, FL

JONES
ENGINEERING & CONSULTING, LLC
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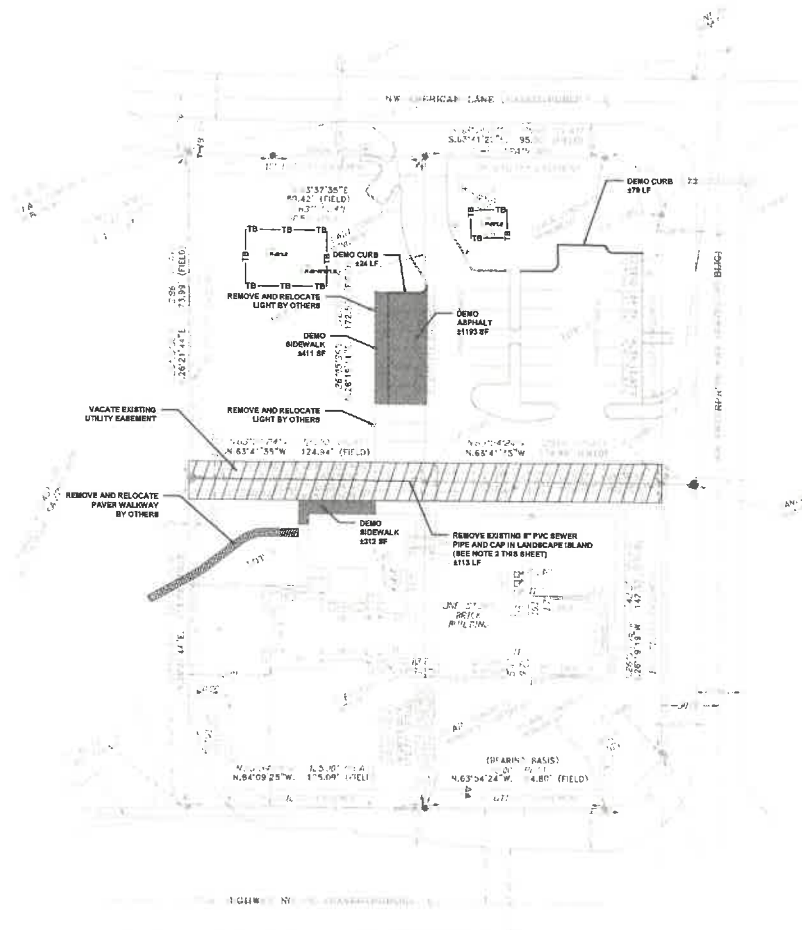
CHRISTOPHER L. JONES
PE# 55477

PROJECT NO: J241115OMC
PLOT DATE: 5/29/2025
SHEET NO: C100

File Location: G:\My Drive\Jones Land Development Group\Projects\2024\J241115OMC_Odom Moses and Company Expansion\H.CADD\J241115ODM_exs01 \C101 EXISTING CONDITIONS & DEMO PLAN
Date Created: December 22, 2024 Date Last Saved: May 29, 2025 Date Plotted: May 29, 2025



DEMOLITION GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE TO DISPOSE OF ALL DEMOLITION MATERIALS IN A SAFE AND LAWFUL MANNER. THE CONTRACTOR SHALL SALVAGE TO THE OWNER ANY ITEM AS DETERMINED BY THE OWNER. ONCE DEMOLISHED, MATERIAL SHALL BE DISPOSED OF PROPERLY AND IMMEDIATELY.

2. EXISTING SANITARY SEWER LINE SHALL REMAIN IN PLACE UNTIL THE PROPOSED CONNECTION IS COMPLETED. AT NO TIME SHALL FIRST FEDERAL SAVINGS BANK HAVE AN INTERRUPTION OF SERVICES. COORDINATE TIMING OF NEW CONNECTION WITH FIRST FEDERAL SAVINGS BANK.

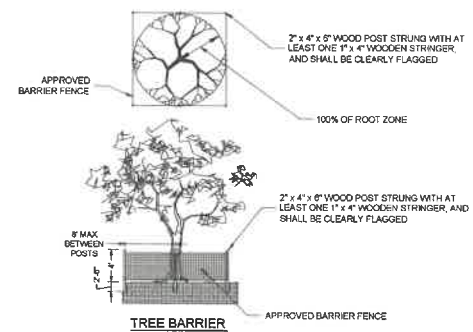
3. REMOVE ALL IMPROVEMENTS DEFINED ON THE DEMOLITION PLAN. SALVAGE ITEMS TO OWNER AS DEFINED BY THE OWNER'S REPRESENTATIVE AND CONSTRUCTION DOCUMENT SPECIFICATIONS.

4. EXISTING PAVEMENT AND SIDEWALK EDGES THAT BORDER NEW CONSTRUCTION OR DEMOLITION ARE TO BE SAW-CUT TO PROVIDE A SMOOTH TRANSITION.

5. ALL EXISTING TREES ARE TO REMAIN UNLESS OTHERWISE NOTED.

6. ROOTS LARGER THAN 1 INCH IN DIAMETER ON TREES TO BE PRESERVED THAT ARE ENCOUNTERED DURING CONSTRUCTION MUST BE CUT CLEANLY AND COVERED OVER WITH SOIL BY THE END OF THE WORKING DAY.

7. ALL ASPHALT AND LIMEROCK WILL BE COMPLETELY REMOVED FROM AREAS THAT WILL BE LANDSCAPED. IN PARTICULAR, AREAS WHERE ASPHALT WILL BE REMOVED MUST HAVE THE TOP HARD SURFACE, LIMEROCK, AND COMPACTED SOIL REMOVED. REPLACEMENT SOIL SHALL BE CLEAN DEEP FILL OF PH 5.5 - 6.5. THE DEPTH OF UNCOMPACTED SOIL PRIOR TO PLANTING MUST BE AT LEAST 3 FEET TO ACCOMMODATE FUTURE TREE ROOT GROWTH. NO LIMEROCK, LARGE STONES, OR OTHER CONSTRUCTION DEBRIS CAN REMAIN IN AREAS TO BE LANDSCAPED.



TREE PROTECTION BARRICADE DETAIL
N.T.S.

JONES
ENGINEERING & CONSULTING, LLC
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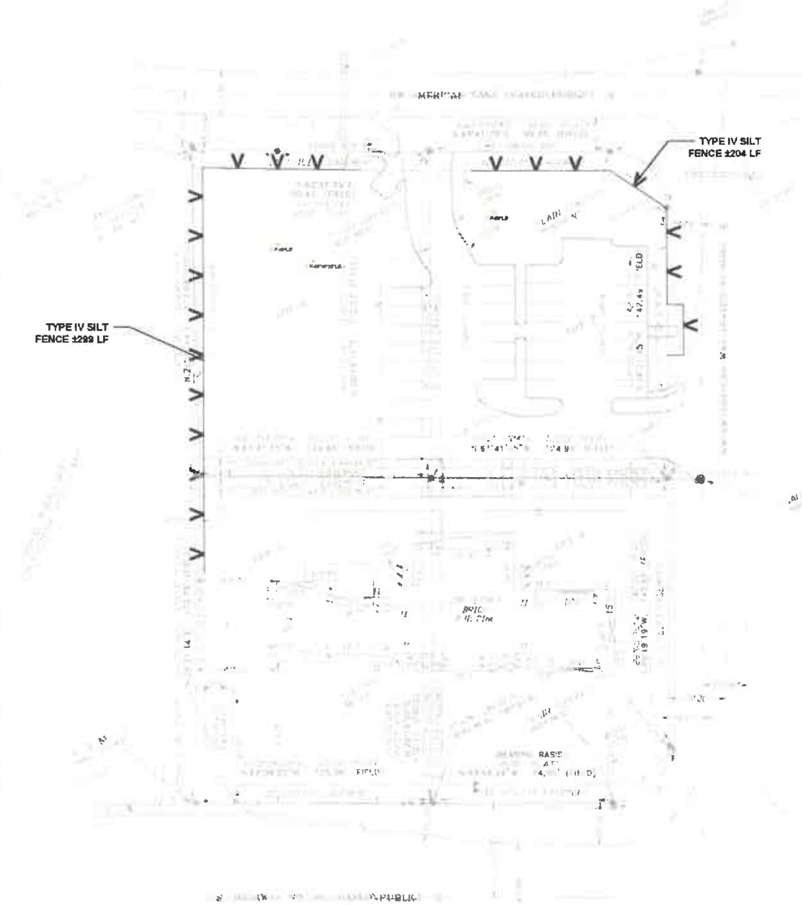
ODOM, MOSES & COMPANY EXPANSION
EXISTING CONDITIONS & DEMO PLAN
LAKE CITY, FL

START DATE	REVISION HISTORY		
11/19/2024	NO	DATE	DESCRIPTION
DESIGNED BY			
CLJ			
DRAFTED BY			
CLJ			
CHECKED BY			
CLJ			

CHRISTOPHER L. JONES
PE# 85477
DATE

PROJECT NO	SHEET NO
J241115OMC	C101
PLOT DATE	
5/29/2025	



EROSION CONTROL NOTES

1. THIS EROSION AND SEDIMENTATION CONTROL PLAN COMPLIES WITH THE REQUIREMENTS OF THE "FLORIDA DEVELOPMENT MANUAL" AND THE "FLORIDA EROSION AND SEDIMENT CONTROL INSPECTOR'S MANUAL".

2. THE CONTRACTOR SHALL ADHERE TO COLUMBIA COUNTY, SRWMD, AND OTHER GOVERNING AUTHORITIES FOR EROSION AND SEDIMENT CONTROL REGULATIONS. IF THE CONTRACTOR NEEDS TO CHANGE THIS PLAN TO MORE EFFECTIVELY CONTROL EROSION AND SEDIMENTATION, THE CONTRACTOR SHALL USE BMP's FROM THE "FLORIDA EROSION AND SEDIMENT CONTROL INSPECTOR'S MANUAL".

3. THE CONTRACTOR SHALL ADJUST AND REVISE THIS PLAN TO MEET ACTUAL FIELD CONDITIONS. ANY REVISIONS SHALL BE APPROVED BY THE REVIEWING AGENCIES.

4. SEDIMENT AND EROSION CONTROL FACILITIES, STORM DRAINAGE FACILITIES AND DETENTION BASINS SHALL BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION.

5. EROSION CONTROL MEASURES SHALL BE INSPECTED WEEKLY AND AFTER EACH RAINFALL AND REPLACED AS NECESSARY.

6. SEDIMENT AND EROSION CONTROL MEASURES SHALL NOT BE REMOVED UNTIL ALL CONSTRUCTION IS COMPLETE AND UNTIL A PERMANENT GROUND COVER HAS BEEN ESTABLISHED.

7. ALL OPEN DRAINAGE SWALES SHALL BE GRASSED AND RIPRAP SHALL BE PLACED AS REQUIRED TO CONTROL EROSION.

8. SILT FENCES SHALL BE LOCATED ON SITE TO PREVENT SEDIMENT AND EROSION FROM LEAVING PROJECT LIMITS.

9. CONTRACTOR SHALL PLACE A DOUBLE ROW OF SILT FENCE IN AREAS WHERE RUNOFF FROM DISTURBED AREAS MAY ENTER WETLANDS.

10. DURING CONSTRUCTION AND AFTER CONSTRUCTION IS COMPLETE, ALL STRUCTURES SHALL BE CLEANED OF ALL DEBRIS AND EXCESS SEDIMENT.

11. ALL GRADED AREAS SHALL BE STABILIZED IMMEDIATELY WITH A TEMPORARY FAST-GROWING COVER AND/OR MULCH.

12. A PAD OF RUBBLE RIP RAP SHALL BE PLACED AT THE BOTTOM OF ALL COLLECTION FLUMES AND COLLECTION PIPE OUTLETS. GRANITE OR LIMESTONE RIPRAP IS REQUIRED, NO BROKEN CONCRETE WILL BE ACCEPTED.

13. ALL SIDE SLOPES STEEPER THAN 3:1 SHALL BE ADEQUATELY PROTECTED FROM EROSION THROUGH THE USE OF HAY BALES OR SODDING.

14. ALL STABILIZATION PRACTICES SHALL BE INITIATED AS SOON AS PRACTICABLE IN AREAS OF THE JOB WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY STOPPED, BUT IN NO CASE SHALL THE DISTURBED AREA BE LEFT UNPROTECTED FOR MORE THAN SEVEN DAYS.

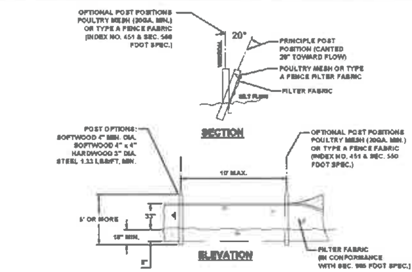
15. ALL WASTE GENERATED ON THE PROJECT SHALL BE DISPOSED OF BY THE CONTRACTOR IN AREAS PROVIDED BY CONTRACTOR.

16. LOADED HAUL TRUCKS SHALL BE COVERED WITH TARPS.

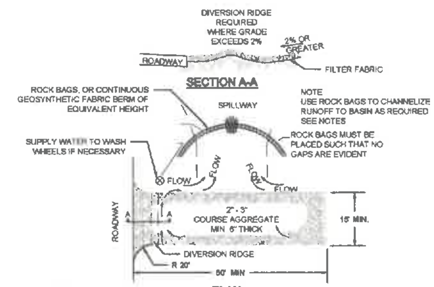
17. EXCESS DIRT SHALL BE REMOVED DAILY.

18. QUALIFIED PERSONNEL SHALL INSPECT THE AREA USED FOR STORAGE OF STOCKPILES, THE SILT FENCE AND STRAW BALES, THE LOCATION WHERE VEHICLES ENTER OR EXIT THE SITE, AND THE DISTURBED AREAS THAT HAVE NOT BEEN FINALLY STABILIZED, AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM OF 0.25 INCHES OR GREATER.

19. SITES THAT HAVE BEEN FINALLY STABILIZED WITH SOD OR GRASSING SHALL BE INSPECTED AT LEAST ONCE EVERY WEEK.



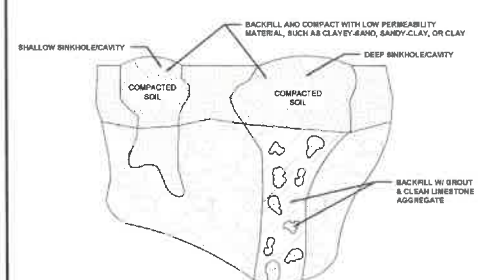
TYPE IV SILT FENCE OR EQUIVALENT



NOTES:

1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT
2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY
3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN
4. ROCK BAGS OR SANDBAGS SHALL BE PLACED SUCH THAT NO GAPS ARE EVIDENT

TEMPORARY CONSTRUCTION ENTRANCE



NOTES:

THE FOLLOWING SHALL BE PERFORMED IN THE EVENT ANY KARST FEATURES FORM DURING CONSTRUCTION - E.G. SOLUTION CAVITIES, CHIMNEYS, SINKHOLES.

1. NOTIFY THE WATER MANAGEMENT DISTRICT AND THE APPLICABLE MUNICIPAL OR COUNTY PUBLIC WORKS IMMEDIATELY WHEN THE FEATURES ARE ENCOUNTERED. THE METHOD OF REPAIR SHALL BE SUBMITTED FOR REVIEW, COMMENT, AND APPROVAL PRIOR TO ATTEMPTING ANY REPAIR.
2. SHALLOW KARST FEATURES ARE TYPICALLY LESS THAN 5' DEEP AND ONLY HAVE SMALL VOIDS IN THE LIMESTONE. THE FEATURE CAN BE REPAIRED BY BACKFILLING WITH A LOWER PERMEABILITY MATERIAL SUCH AS CLAYEY-SAND OR CLAY. COMPACT THE BACKFILL AND CREATE A SMALL MOUND SLIGHTLY ABOVE GRADE TO ACCOUNT FOR SETTLING.
3. DEEP KARST FEATURES SHALL BE REPAIRED MORE PERMANENTLY. EXCAVATE THE FEATURE TO THE LIMESTONE BEDROCK. PLUG VOIDS IN THE BEDROCK WITH CLEAN GROUT. BACKFILL OVER THE PLUG WITH A LOWER-PERMEABILITY MATERIAL SUCH AS CLAYEY-SAND OR CLAY. COMPACT THE BACKFILL TO GRADE.

KARST FEATURE REPAIR DETAIL

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ODOM, MOSES & COMPANY EXPANSION
EROSION & SEDIMENT CONTROL PLAN
LAKE CITY, FL

START DATE	REVISION HISTORY		
11/15/2024	NO	DATE	DESCRIPTION
DESIGNED BY			
CLJ			
DRAFTED BY			
CLJ			
CHECKED BY			
CLJ			

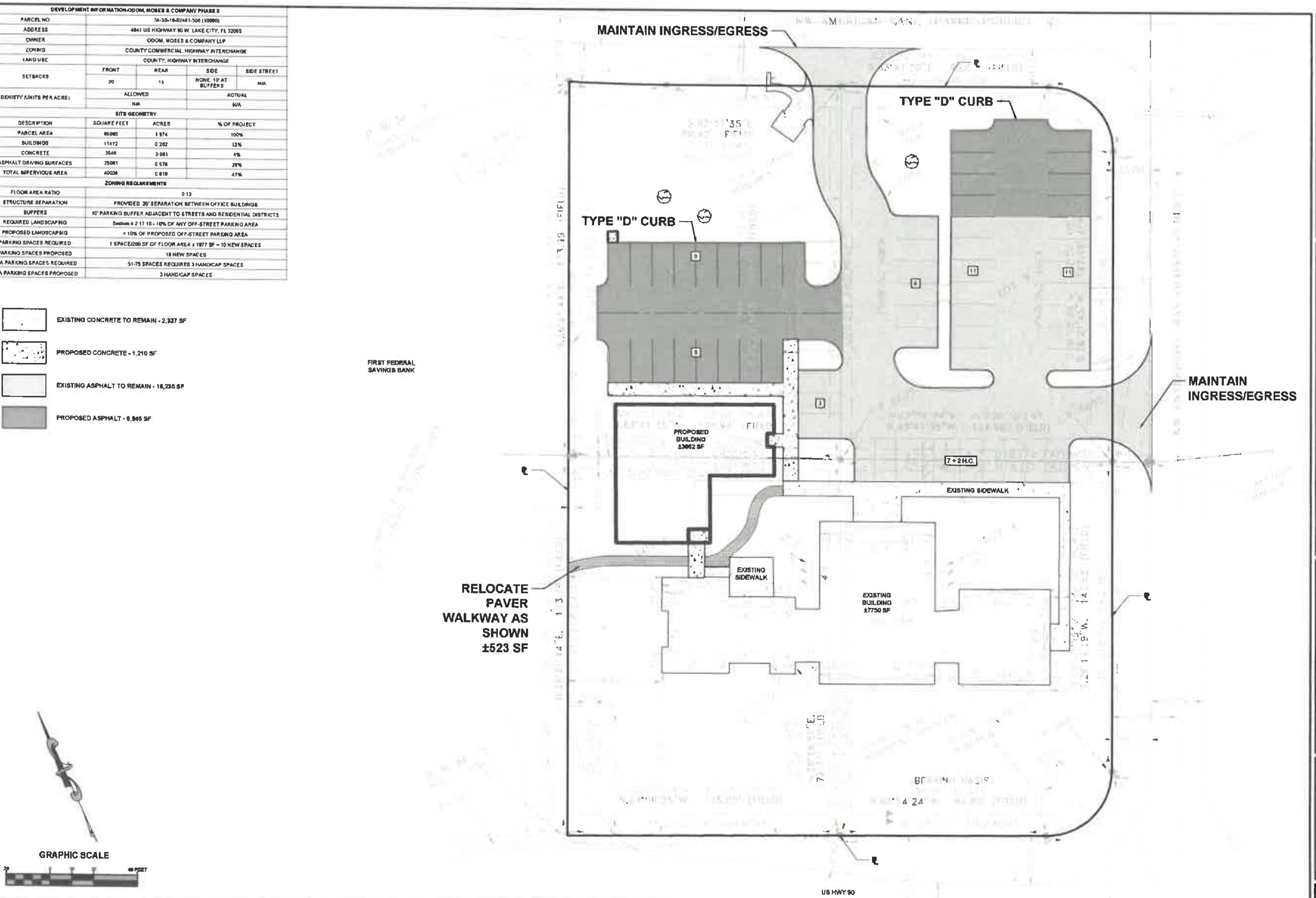
CHRISTOPHER L. JONES PE# 88477

PROJECT NO J241115OMC
PLOT DATE 5/28/2025
SHEET NO C102

File Location: G:\My Drive\Jones Land Development Group\Projects\2024\J241115OMC_Odom Moses and Company Expansion\H.CADD\J241115ODM_dsn01 \C200 OVERALL SITE PLAN
Date Created: January 13, 2025 Date Last Saved: May 29, 2025 Date Plotted: May 29, 2025

DEVELOPMENT INFORMATION-ODOM, MOSES & COMPANY PHASE II				
PARCEL NO	34-3S-16-02461-506 (10080)			
ADDRESS	4841 US HIGHWAY 90 W. LAKE CITY, FL 32055			
OWNER	ODOM, MOSES & COMPANY LLP			
ZONING	COUNTY COMMERCIAL, HIGHWAY INTERCHANGE			
LAND USE	COUNTY, HIGHWAY INTERCHANGE			
SETBACKS	FRONT	REAR	SIDE	SIDE STREET
	20	15	NONE, 10' AT BUFFERS	N/A
DENISTY (UNITS PER ACRE)	ALLOWED		ACTUAL	
	N/A		N/A	
SITE GEOMETRY				
DESCRIPTION	SQUARE FEET	ACRES	% OF PROJECT	
PARCEL AREA	85985	1.974	100%	
BUILDINGS	11412	0.262	13%	
CONCRETE	3546	0.081	4%	
ASPHALT DRIVING SURFACES	25081	0.576	29%	
TOTAL IMPERVIOUS AREA	40036	0.919	47%	
ZONING REQUIREMENTS				
FLOOR AREA RATIO	0.13			
STRUCTURE SEPARATION	PROVIDED 20' SEPARATION BETWEEN OFFICE BUILDINGS			
BUFFERS	10' PARKING BUFFER ADJACENT TO STREETS AND RESIDENTIAL DISTRICTS			
REQUIRED LANDSCAPING	Section 4.2.17.10 - 10% OF ANY OFF-STREET PARKING AREA			
PROPOSED LANDSCAPING	> 10% OF PROPOSED OFF-STREET PARKING AREA			
PARKING SPACES REQUIRED	1 SPACE/200 SF OF FLOOR AREA x 1977 SF = 10 NEW SPACES			
PARKING SPACES PROPOSED	18 NEW SPACES			
ADA PARKING SPACES REQUIRED	51-75 SPACES REQUIRES 3 HANDICAP SPACES			
ADA PARKING SPACES PROPOSED	3 HANDICAP SPACES			

EXISTING CONCRETE TO REMAIN - 2,337 SF
PROPOSED CONCRETE - 1,210 SF
EXISTING ASPHALT TO REMAIN - 16,235 SF
PROPOSED ASPHALT - 6,846 SF



ODOM, MOSES & COMPANY EXPANSION
OVERALL SITE PLAN
LAKE CITY, FL

JONES ENGINEERING & CONSULTING, LLC
835 SW BAYA DRIVE LAKE CITY, FL 32025
386.965.9000 LJONES@JONESENGINEERING.NET

START DATE	NO	DATE	DESCRIPTION
11/15/2024			REVISION HISTORY
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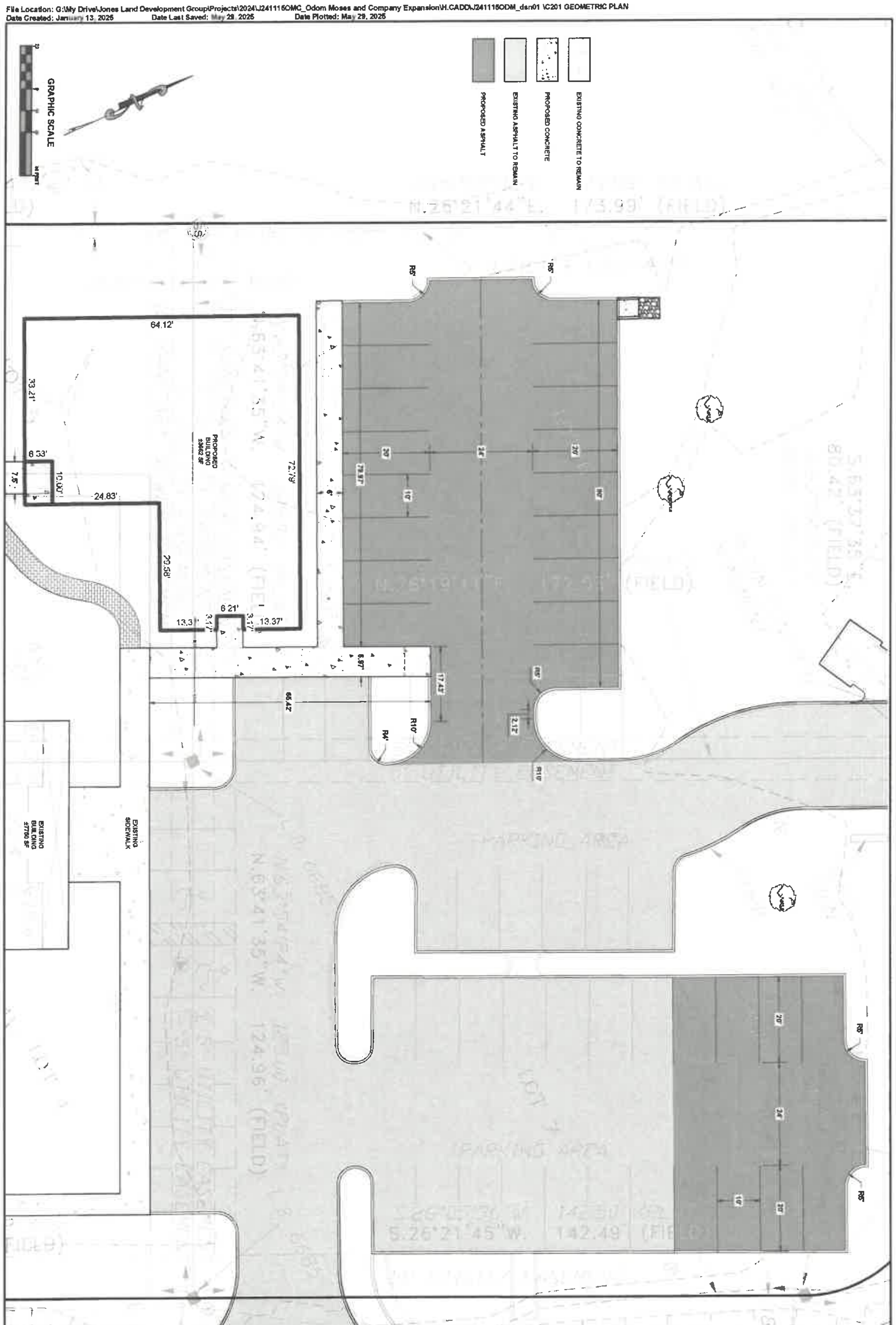
CLJ			

CHRISTOPHER L. JONES
PE# 58477
DATE

PROJECT NO J241115OMC
PLOT DATE 5/29/2025
SHEET NO C200

File Location: G:\My Drive\Jones Land Development Group\Projects\2024\J241115OMC_Odom Moses and Company Expansion\H.CADD\J241115ODM_dsn01 \C201 GEOMETRIC PLAN
Date Created: January 13, 2025 Date Last Saved: May 29, 2025 Date Plotted: May 29, 2025



START DATE		REVISION HISTORY
11/15/2024	NO	DATE	DESCRIPTION
DESIGNED BY		
CLJ		
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CHECKED BY		
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ODOM, MOSES & COMPANY EXPANSION
GEOMETRIC PLAN
LAKE CITY, FL

JONES ENGINEERING & CONSULTING, LLC
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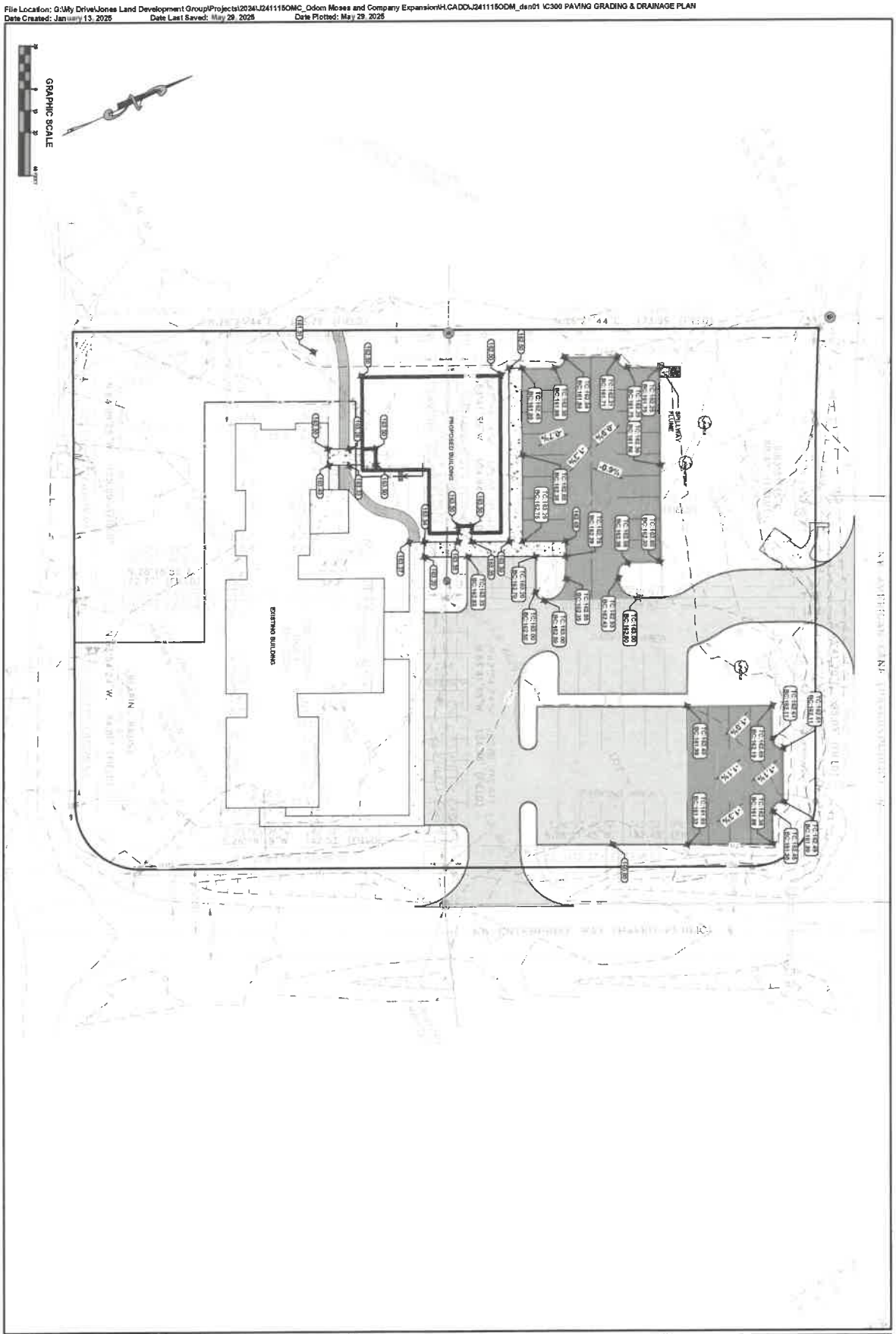
SHEET NO. C201

File Location: G:\My Drive\Jones Land Development Group\Projects\2024\J241115OMC_Odom Moses and Company Expansion\H.CADD\J241115ODM_dsn01 \C300 PAVING GRADING & DRAINAGE PLAN
Date Created: January 13, 2025 Date Last Saved: May 29, 2025 Date Plotted: May 29, 2025



PROJECT NO.	J241115OMC
SHEET NO.	C300

START DATE	REVISION HISTORY		
11/19/2024	NO	DATE	DESCRIPTION
DESIGNED BY			
CLJ			
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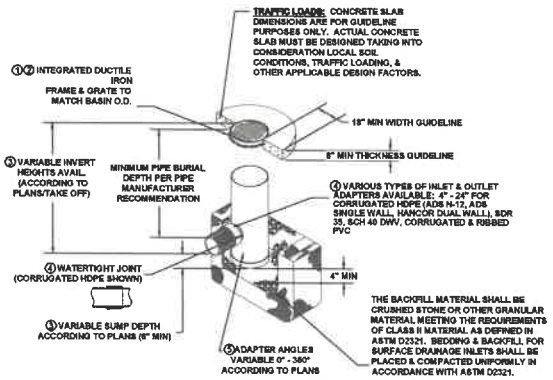
ODOM, MOSES & COMPANY EXPANSION
PAVING GRADING & DRAINAGE PLAN
LAKE CITY, FL

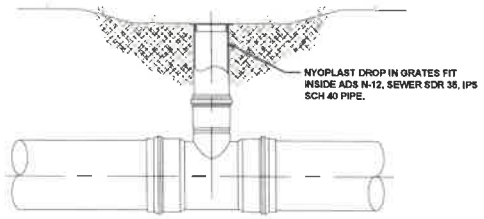
JONES
ENGINEERING & CONSULTING, LLC
855 SW BAYA DRIVE LAKE CITY, FL 32025
386.965.9000 LJONES@JONESENGINEERING.NET

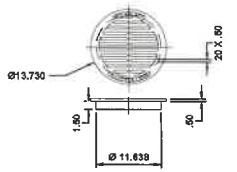
GRATE OPTIONS	LOAD RATING	PART #	DRAWING #
PEDESTRIAN	MEETS H-10	2499CGP	7001-110-216
STANDARD	MEETS H-20	2499CGS	7001-110-217
SOLID COVER	MEETS H-20	2499CGC	7001-110-218
DOME	N/A	2499CGD	7001-110-219
DROP IN GRATE	LIGHT DUTY	2401DI	7001-110-075



① - GRATES/SOLID COVER SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
② - FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
③ - DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS.RISERS ARE NEEDED FOR BASINS OVER 84" DUE TO SHIPPING RESTRICTIONS. SEE DRAWING NO. 7001-110-065.
④ - DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS & HANCOR DUAL WALL) & SDR 35 PVC.
⑤ - ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 360°. TO DETERMINE MINIMUM ANGLE BETWEEN ADAPTERS SEE DRAWING NO. 7001-110-013.

24" NYOPLAST DRAIN BASIN DETAIL

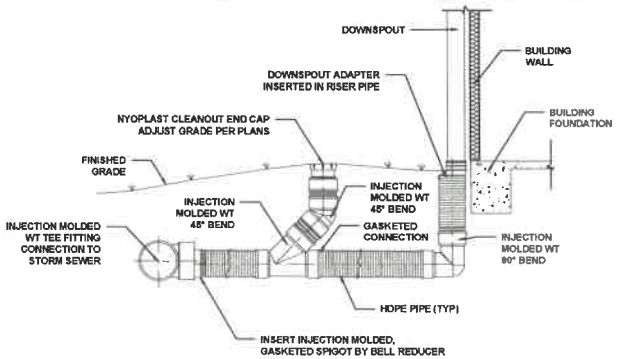




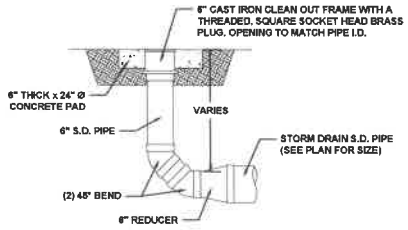
NOTES:

1. QUALITY: MATERIAL SHALL CONFORM TO ASTM A536 GRADE 70-50-05.
2. MATERIAL: DUCTILE IRON.
3. PAINT: CASTINGS ARE FURNISHED WITH A BLACK PAINT.
4. APPROX DRAIN AREA = 38.75 SQ IN.
5. APPROX WEIGHT = 20.16 LBS.

24" NYOPLAST 6"-24" DROP INSTALLATION



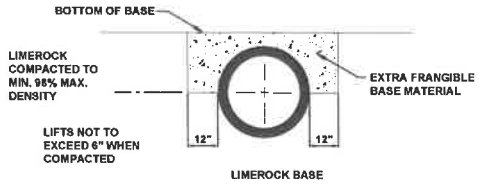
NYOPLAST DOWNSPOUT CONNECTION DETAIL



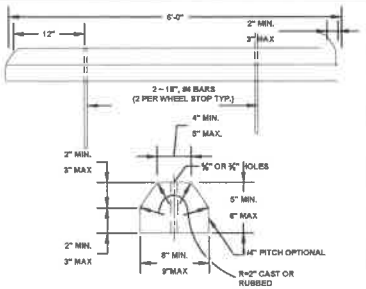
NOTES:

ALL STORM DRAIN MATERIALS SHALL BE APPROVED BY THE ENGINEER OF RECORD AND NOTED ON THE RECORD DRAWINGS.

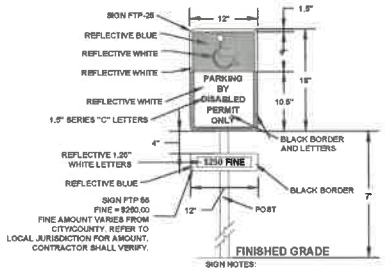
STORM DRAIN CLEAN OUT



CULVERTS COVER HEIGHT UNDER FLEXIBLE PAVEMENT



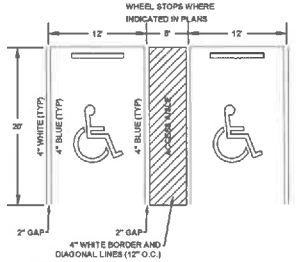
WHEEL STOP DETAIL



SIGN NOTES:

1. SIGN CONSTRUCTION, DESIGN AND PLACEMENT SHALL COMPLY WITH STATE AND LOCAL STATUES.

ADA PARKING SIGN DETAIL



NOTES:

1. SIGN SHALL BE PLACED IN FRONT OF ALL DESIGNATED HANDICAPPED SPACES.
2. SIGN HEIGHT SHALL BE 7' FROM PAVEMENT TO BOTTOM OF SIGN.
3. HANDICAPPED PARKING SYMBOL SHALL BE 3 OR 5 FT. HIGH.
4. ALL PAINT FOR PARKING LOT STOP BAR, HANDICAP, STALLS, ETC. SHALL BE IN ACCORDANCE WITH F.D.O.T. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION, SECTION 971 PAINT MATERIALS.

ADA PARKING STRIPING DETAIL

JONES ENGINEERING & CONSULTING, LLC
4605 EAST US HWY 90 LAKE CITY, FL 32025
PHONE: 386.935.9000 EMAIL: LANE@JPLTD.COM

ODOM, MOSES & COMPANY EXPANSION
PAVING, GRADING & DRAINAGE DETAILS
LAKE CITY, FL

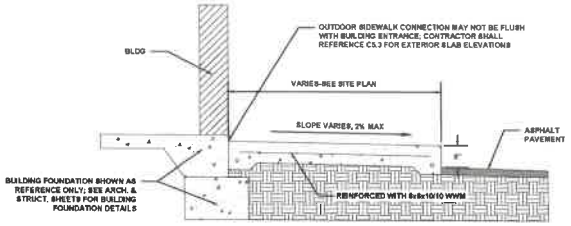
NO	DATE	DESCRIPTION
1	11/19/24	INITIAL BID SET NOT FOR CONSTRUCTION

START DATE 2/6/2023
DESIGNED BY CJJ
DRAFTED BY CJJ
CHECKED BY CJJ

SUBMITTAL/REVISION HISTORY

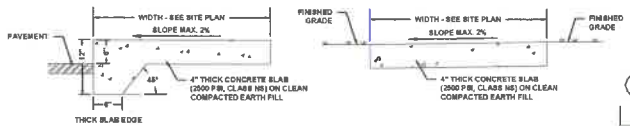
CHRISTOPHER L. JONES PE# 85477
DATE

PROJECT NO. J241115ODMC
PLOT DATE 5/29/2025
SHEET NO. C301



BUILDING W/ ADJACENT SIDEWALK CROSS SECTION

N.T.S.



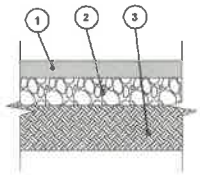
ADJACENT TO PAVEMENT
N.T.S.

NOT ADJACENT TO PAVEMENT
N.T.S.

NOTES:

1. SAWCUT CONTROL JOINTS SHALL BE CONSTRUCTED 5 FEET ON CENTER
2. EXPANSION JOINTS WITH PREFORMED JOINT FILLER SHALL BE CONSTRUCTED BETWEEN ALL FIXED OBJECTS AND WALK AND AT CONSTRUCTION JOINTS
3. 3% MAX GRADE AWAY FROM SIDEWALK FOR A DISTANCE OF 5' IN EARTHEN AREAS

CONCRETE SIDEWALK DETAILS

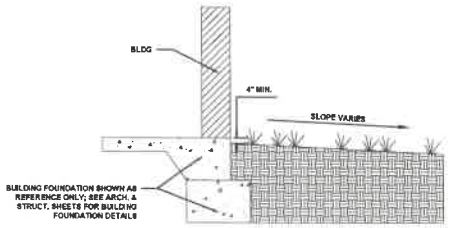


SPECIFICATIONS:

1. 2" MINIMUM THICK TYPE SP-9.5 ASPHALTIC CONCRETE SURFACE,TRAFFIC LEVEL C, PG-722 BINDER
2. 9" THICK LIMEROCK BASE, LBR 100 MIN, 98% COMPACTION DENSITY AASHTO T-180
3. 12" THICK COMPACTED SUBGRADE, TYPE B STABILIZATION, LBR 40 MIN., 98% COMPACTION DENSITY AASHTO T-180
4. GRASSING BY SOD AND SEED MULCH. TYPICAL 2' SOD STRIPS SHALL BE USED ALONG ALL PAVEMENT EDGES, BACK OF CURBING, EACH SIDE OF SIDEWALK AND ON ALL SLOPES STEEPER THAN 6:1 RATIO'S. SEED AND MULCH SHALL BE USED FOR ALL OTHER SLOPES, MEDIAN AND DISTURBED AREAS.

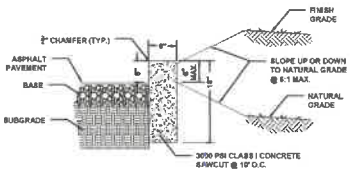
HEAVY DUTY ASPHALT DETAIL

N.T.S.



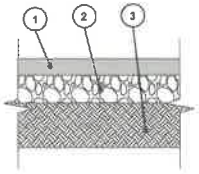
BUILDING WEST CROSS SECTION TYP.

N.T.S.



STANDARD 6" CURB DETAIL

N.T.S.

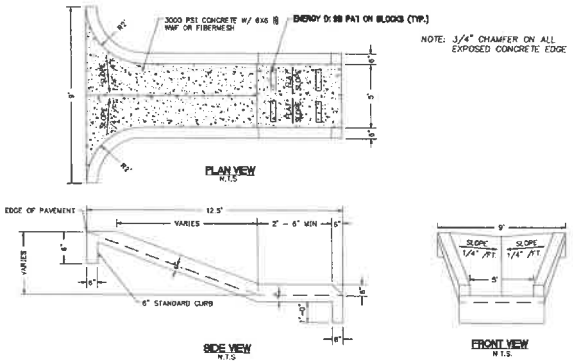


SPECIFICATIONS:

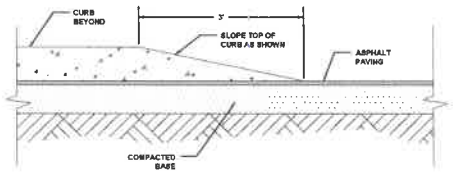
1. 1.5" MINIMUM THICK TYPE SP-9.5 ASPHALTIC CONCRETE SURFACE,TRAFFIC LEVEL C, PG-722 BINDER
2. 6" THICK LIMEROCK BASE, LBR 100 MIN, 98% COMPACTION DENSITY AASHTO T-180
3. 12" THICK COMPACTED SUBGRADE, TYPE B STABILIZATION, LBR 40 MIN., 98% COMPACTION DENSITY AASHTO T-180
4. GRASSING BY SOD AND SEED MULCH. TYPICAL 2' SOD STRIPS SHALL BE USED ALONG ALL PAVEMENT EDGES, BACK OF CURBING, EACH SIDE OF SIDEWALK AND ON ALL SLOPES STEEPER THAN 6:1 RATIO'S. SEED AND MULCH SHALL BE USED FOR ALL OTHER SLOPES, MEDIAN AND DISTURBED AREAS.

STANDARD DUTY ASPHALT DETAIL

N.T.S.



DRAINAGE/EROSION STANDARD FLUME



CURB TAPER

N.T.S.

JONES
ENGINEERING & CONSULTING, LLC
4615 EASTPARK HWY SO LAKE CITY, FL 32025
PHONE: 386.965.9000 EMAIL: LANGE@JUFL.EDU

ODOM, MOSES & COMPANY EXPANSION
PAVING, GRADING & DRAINAGE DETAILS
LAKE CITY, FL

START DATE	NO.	DATE	DESCRIPTION
11/1/2024			
DESIGNED BY: CJJ			
DRAFTED BY: CJJ			
CHECKED BY: CJJ			

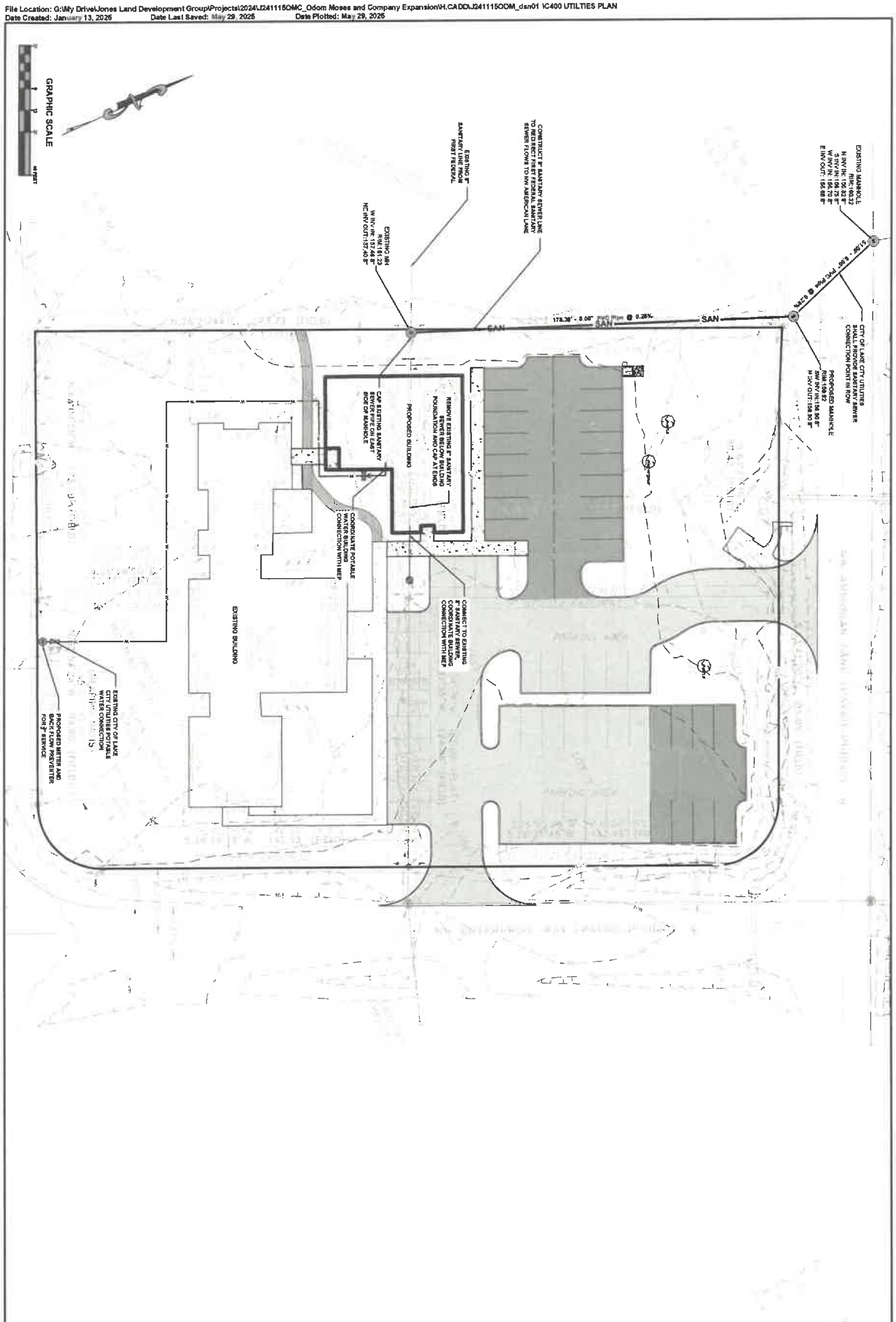
REVISION HISTORY

CHRISTOPHER L. JONES
FLA. REG. #66777

PROJECT NO: J241115ODMC
PLOT DATE: 5/28/2025
SHEET NO: C302

File Location: G:\My Drive\Jones Land Development Group\Projects\2024\J241115ODMC_Odom Moses and Company Expansion\H:\CADD\J241115ODM_det01 \C302 PAVING GRADING & DRAINAGE DETAILS
Date Created: February 14, 2025 Date Last Saved: March 14, 2025 Date Printed: May 28, 2025

File Location: G:\My Drive\Jones Land Development Group\Projects\2024\J241115OMC_Odom Moses and Company Expansion\H.CADD\J241115ODM_dsn01 \C400 UTILITIES PLAN
Date Created: January 13, 2025 Date Last Saved: May 29, 2025 Date Plotted: May 29, 2025



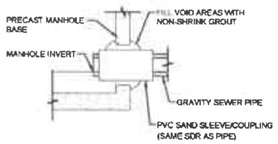
START DATE	REVISION HISTORY		
11/15/2024	NO	DATE	DESCRIPTION
DESIGNED BY			
CLJ			
DRAFTED BY			
CLJ			
CHECKED BY			
CLJ			

SHEET NO. C400

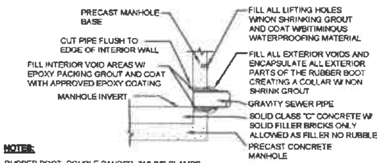
ODOM, MOSES & COMPANY EXPANSION
UTILTIES PLAN
LAKE CITY, FL

JONES ENGINEERING & CONSULTING, LLC
855 SW BAYA DRIVE LAKE CITY, FL 32025
386.965.9000 LJONES@JONESENGINEERING.NET

File Location: G:\My Drive\Jones Land Development Group\Projects\2024\J241115OMC_Odom Moses and Company Expansion\H.CADD\J241115ODM_det01 \C401 UTILITY DETAILS-SANITARY
Date Created: February 16, 2025 Date Last Saved: March 14, 2025 Date Plotted: May 29, 2025

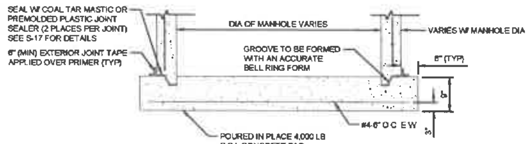


PVC SAND SLEEVE
(FOR EXISTING AND NEW M/H CONSTRUCTION)



NOTES:
RUBBER BOOT, DOUBLE BANDED, 316 S/S CLAMPS, MEETING THE ASTM C923 STANDARD Kor-N-Seal® I EX SERIES CONNECTOR WITH DOUBLE STAINLESS STEEL BANDS OR EQUAL.

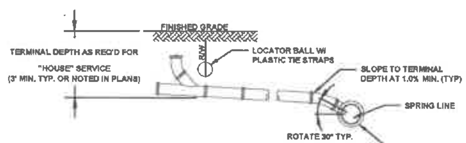
RUBBER BOOT
(FOR NEW M/H CONSTRUCTION ONLY. MAXIMUM DEPTH 15FT)



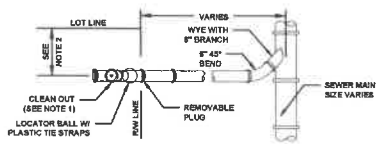
NOTES:
THE USE OF THE POURED IN PLACE MANHOLE BOTTOM SHALL BE MINIMIZED AND SHALL BE SPECIFICALLY APPROVED BY JEA PRIOR TO CONSTRUCTION

MANHOLE BOTTOM

CONCRETE MANHOLE PIPE CONNECTION DETAIL
(ONLY USE IF CONNECTING TO CITY MANHOLE IN ROW)



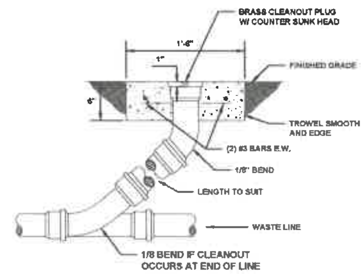
PROFILE



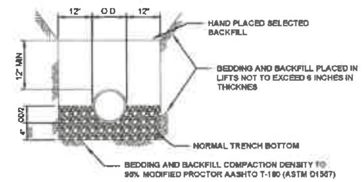
PLAN

NOTES:
1. CLEAN-OUT (SHOWN LIGHTER) SHALL BE INSTALLED BY THE BUILDER IN ACCORDANCE WITH STANDARD PLUMBING CODE.
2. LOCATE SINGLE LATERAL AS CLOSE TO LOT LINE AS POSSIBLE, 25' MAXIMUM.
3. INVERT OF SERVICE LATERAL SHALL NOT ENTER SEWER MAIN BELOW SPRING LINE.
4. CONTRACTOR SHALL PROVIDE LOCATOR BALLS w/PLASTIC TIE STRAPS. LOCATOR BALLS SHALL BE SECURED TO LATERAL w/PLACTIC TIE STRAPS.

SANITARY SEWER SERVICE LATERAL DETAIL

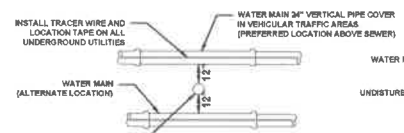


SANITARY CLEAN OUT DETAIL

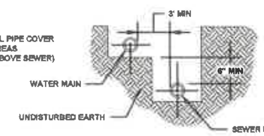


BEDDING NOTES:
1. ALL BEDDING FOR PVC GRAVITY SEWER PIPE WILL BE IN COMPLIANCE WITH (ASTM D2321-74).
2. NORMALLY CLEAN BACKFILL SHALL BE AS A 6" MIN. BEDDING. HOWEVER, WHERE UNSTABLE TRENCH BOTTOM CONDITIONS ARE ENCOUNTERED, AS DETERMINED BY THE INSPECTING ENGINEER, A SUFFICIENT DEPTH OF THE UNSTABLE SOIL SHALL BE REMOVED AND REPLACED WITH ¼"-3/4" CRUSHED STONE, GRAVEL (USCS SOIL CLASSIFICATION-CLASS ONE) OR CRUSHED SHELL TO THE SPRING LINE OF THE PIPE TO STABILIZE THE PIPE BEDDING. WHEN DRY UNSUITABLE MATERIAL (I.E. HARDPAN) IS ENCOUNTERED AT THE TRENCH BOTTOM, GRADED SANDS MAY BE USED FOR PIPE BEDDING.

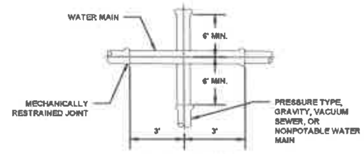
SANITARY SEWER BEDDING DETAIL



PROFILE VIEW



SECTION VIEW



PLAN VIEW

NOTES:
1. THE MINIMUM HORIZONTAL DISTANCE BETWEEN THE OUTSIDE OF A WATER MAIN AND SEWER MAIN SHALL BE 6' WITH A PREFERRED 10' SEPARATION.
2. WHERE A 10 FOOT PARALLEL SEPARATION CANNOT BE MAINTAINED BETWEEN A WATERMAIN AND A SEWER MAIN OR NON-POTABLE WATER MAIN, THEN THE WATER MAIN SHALL BE LAID IN A SEPARATE TRENCH OR ON AN UNDISTURBED EARTH SHELF AT LEAST 6 INCHES ABOVE THE TOP OF THE SEWER MAIN OR NON-POTABLE WATER MAIN. THE HORIZONTAL SEPARATION SHALL BE NO LESS THAN 3'.
3. CONTRACTOR SHALL MAINTAIN 24" VERTICAL PIPE COVER THROUGHOUT VEHICULAR TRAFFIC AREAS. ENGINEER SHALL BE NOTIFIED IMMEDIATELY IN THE EVENT THE RECOMMENDED COVER CAN NOT BE ACHIEVED.
4. CONTRACTOR SHALL MAINTAIN 1 FOOT VERTICAL SEPARATION BETWEEN WATER AND SANITARY SEWER LINES; A MINIMUM SEPARATION OF 6 INCHES CAN BE USED ONLY WHEN 1 FOOT IS NOT POSSIBLE.
5. FOR ALL PIPE CROSSINGS, THE PIPE JOINTS SHALL BE ARRANGED SO THAT ALL PIPE JOINTS ARE EQUIDISTANT FROM THE POINT OF CROSSING WITH NO LESS THAN SIX FEET BETWEEN ANY TWO JOINTS.
6. IF THE HORIZONTAL OR VERTICAL CLEARANCE LISTED HEREIN CANNOT BE ACHIEVED THE WATERMAIN CAN BE ENCASED IN 4" OF CONCRETE.

WATER/SEWER PIPE SEPARATION DETAIL

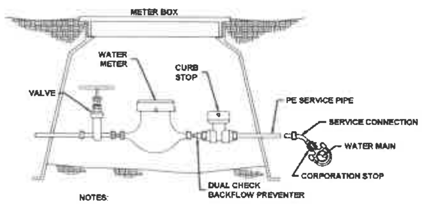
JONES
ENGINEERING & CONSULTING, LLC
4605 EAST US HWY 90 LAKE CITY, FL 32025
PHONE: 386.965.9000 EMAIL: LANCEJ@UFL.EDU

ODOM, MOSES & COMPANY EXPANSION
UTILITY DETAILS-SANITARY
LAKE CITY, FL

START DATE	SUBMITTAL/REVISION HISTORY		
2/16/2025	NO	DATE	DESCRIPTION
DESIGNED BY	1		INITIAL BID SET-NOT FOR CONSTRUCTION
CLJ			
DRAFTED BY			
CLJ			
CHECKED BY			
CLJ			

CHRISTOPHER L. JONES
PE# 88471

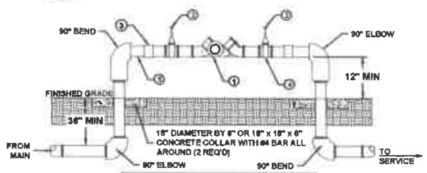
PROJECT NO	SHEET NO
J241115OMC	C401
PLOT DATE 5/29/2025	



NOTES:

1. METER BOX ASSEMBLY SHALL BE IN ACCORDANCE WITH CITY OF LAKE CITY UTILITIES DEPARTMENT STANDARDS.
2. P.E. TUBING IS TO BE BACKFILLED BY HAND UP TO THE TOP OF THE SERVICE.

1 METER BOX ASSEMBLY DETAIL
C6.2 SCALE: N.T.S.



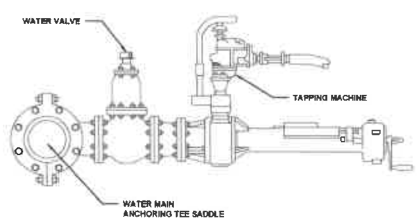
MATERIALS

ITEM	DESCRIPTION
1	BACKFLOW PREVENTER
2	GATE VALVE
3	UNION
4	TEST COCKS
5	THREADED NIPPLE

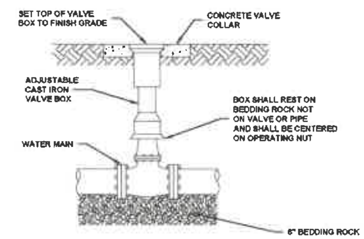
NOTES:

1. UNDER NO CONDITION WILL ANY CONNECTION BE ALLOWED BETWEEN THE SERVICE METER AND A BACKFLOW PREVENTER USED FOR SYSTEM CONTAINMENT. BACKFLOW PREVENTER SHALL ALWAYS BE INSTALLED DOWNSTREAM OF METER.
2. IF A PRESSURE MONITOR IS TO BE INSTALLED, ADD A TEE, VALVE FITTINGS, AND MOUNT ON SUPPLY SIDE PRIOR TO BACKFLOW PREVENTION DEVICE. UNDER NO CIRCUMSTANCE, SHALL TEST PORTS BE MODIFIED OR UTILIZED FOR THIS OR OTHER APPLICATION OTHER THAN BACKFLOW DEVICE TESTING.
3. A CONBRACO SERIES 40-000 FREEZE PROTECTION VALVE SHALL BE INCLUDED.
4. PROVIDE AND INSTALL COVER OVER BACKFLOW PREVENTER AS REQ'D BY LOCAL AUTHORITIES.

2 REDUCED PRESSURE BACKFLOW ASSEMBLY
C6.2 SCALE: N.T.S.



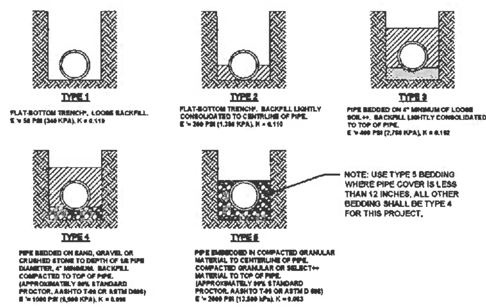
5 WET TAP AND SADDLE ASSEMBLY
C6.2 SCALE: N.T.S.



NOTES:

1. PVC EXTENSIONS SHALL NOT BE USED ON VALVE BOX INSTALLATION.
2. THE ACTUATING NUT FOR DEEPER VALVES SHALL BE EXTENDED TO COME UP TO 4 FOOT DEPTH BELOW FINISHED GRADE.

VALVE AND BOX DETAIL



NOTE: ++ "LOOSE SOIL" OR "SELECT MATERIAL" IS DEFINED AS NATIVE SOIL EXCAVATED FROM THE TRENCH, FREE OF ROCKS, FOREIGN MATERIAL AND FROZEN EARTH.

6 PVC INSTALLATION STANDARD AWWA C605
C6.2 SCALE: N.T.S.

File Location: G:\My Drive\Jones Land Development Group\Projects\2024\J241115OMC_Odom Moses and Company Expansion\1.CADD\J241115ODM_det01 \C402 UTILITY DETAILS-WATER
Date Created: February 18, 2025 Date Last Saved: March 14, 2025 Date Plotted: May 29, 2025

JONES ENGINEERING & CONSULTING, LLC
4605 EAST US HWY 90 LAKE CITY, FL 32025
PHONE: 386.965.9000 EMAIL: LANCEJ@UFL.EDU

ODOM, MOSES & COMPANY EXPANSION
UTILITY DETAILS-WATER
LAKE CITY, FL

START DATE	NO	DATE	DESCRIPTION
2/18/2025			INITIAL BID SET-NOT FOR CONSTRUCTION
DESIGNED BY			
CLJ			
DRAFTED BY			
CLJ			
CHECKED BY			
CLJ			

SUBMITTAL/REVISION HISTORY

CHRISTOPHER L. JONES
PE# 85477

PROJECT NO: J241115OMC
PLOT DATE: 5/29/2025
SHEET NO: C402

JONES
ENGINEERING & CONSULTING, LLC

January 13, 2025

Subject: Odom, Moses & Company Concurrency Impact Analysis

The subject application is for new construction of a +/- 3662 square foot office building adjacent to the existing Odom Moses & Company office building on their +/- 1.97 acres property located at 4641 W US Highway 90, Lake City, FL 32055.

Criteria for analyses (Concurrency impact analysis performed for a new 3662 square foot office building):

- Trip generation was calculated pert the ITE Trip Generation, 9th Edition, ITE Code 710 General Office.
- Potable water analysis for **Office Building (a) per employee per 8 hour shift or (b) per 100 square feet of floor space, whichever is greater** per 64E-6.008 Florida Administrative Code, Table 1.
- Sanitary sewer analysis for **Office Building (a) per employee per 8 hour shift or (b) per 100 square feet of floor space, whichever is greater** per 64E-6.008 Florida Administrative Code, Table 1.
- Solid waste analysis based on standard of 5.5 lbs per 1000 square feet of gross floor area per day.

Summary of analyses:

- Trip generation report: 40.37 Total ADT and 5.71 Peak Hour Trips
- Potable water: 550 gpd
- Sanitary sewer: 550 gpd
- Solid Waste: 20.13 lbs/day

Please see attached concurrency worksheets for analyses.

Please contact me if you have any questions.

Best Regards,

Lance Jones, P.E.

CONCURRENCY
WORKSHEET

Trip Generation Analysis

ITE Code	ITE Use	ADT Multiplier	Peak Hour Multiplier	Building Area	Total ADT	Total PM Peak
710	General Office	11.03	1.56	3.66	40.37	5.71

* Multiplier is based upon ITE Trip Generation 9th Edition for ITE Code 710-General Office. Building area units are per ksf.

Potable Water Analysis

Ch. 64E-6.008, F.A.C. Use	Ch. 64E-6.008, F.A.C. Gallons Per Day (GPD)	Ch. 64E-6.008, F.A.C. Multiplier*	Total (Gallons Per Day)
Office Building	15.00	36.62	549.30

* Multiplier is based upon Ch. 64E.6008, F.A.C. and can very from square footage, number of employees, number of seats, or etc. See Ch. 64E-6.008, F.A.C. to determine multiplier.

Sanitary Sewer Analysis

Ch. 64E-6.008, F.A.C. Use	Ch. 64E-6.008, F.A.C. Gallons Per Day (GPD)	Ch. 64E-6.008, F.A.C. Multiplier*	Total (Gallons Per Day)
Office Building	15.00	36.62	549.30

* Multiplier is based upon Ch. 64E.6008, F.A.C. and can very from square footage, number of employees, number of seats, or etc. See Ch. 64E-6.008, F.A.C. to determine multiplier.

Solid Waste Analysis

Use	Pounds Per Thousand Square Feet of Floor Area	Floor Area (KSF)	Total (Lbs Per Day)
Office Building	5.50	3.66	20.13

*5.5 lbs per 1000 square feet of gross floor area per day

JONES
ENGINEERING & CONSULTING, LLC

February 11, 2025

Mr. Robert Angelo
Planning and Zoning Tech
City of Lake City Growth Management
205 North Marion Avenue
Lake City, FL 32055

SUBJECT: Comp Plan Consistency Analysis for Odom, Moses & Company Phase II

Dear Mr. Angelo:

Jones Engineering and Consulting, LLC (JEC) is representing the owner of the subject project. In support of the enclosed application please find the following:

4. Comprehensive Plan Consistency Analysis: An analysis of the application's consistency with the Comprehensive Plan (analysis must identify specific Goals, Objectives, and Policies of the Comprehensive Plan and detail how the application complies with said Goals, Objectives, and Policies). For text amendments to the Comprehensive Plan, include the proposed text amendment in strike-thru and underline format.

FUTURE LAND USE GOAL, OBJECTIVES AND POLICIES

GOAL I - IN RECOGNITION OF THE IMPORTANCE OF ENHANCING THE QUALITY OF LIFE IN THE CITY, DIRECT DEVELOPMENT TO THOSE AREAS WHICH HAVE IN PLACE, OR HAVE AGREEMENTS TO PROVIDE, SERVICE CAPACITY TO ACCOMMODATE GROWTH IN AN ENVIRONMENTALLY ACCEPTABLE MANNER.

- **Objective I.1 The City Concurrency Management System shall make available or schedule for availability the public facilities for future growth and urban development as development occurs in order to provide for urban densities and intensities within the City.**
- **Policy I.1.1 The location of higher density residential, high intensity commercial and heavy industrial uses shall be directed to areas adjacent to arterial or collector roads, identified on the Future Traffic Circulation Map, where public facilities are available to support such higher density or intensity.**

  Consistency: The property is located on US Hwy 90 near Interstate 75 with utilities available to support the proposed use.
- **Policy I.1.2 The land development regulations of the City shall be based on and be consistent with the following land use classifications and corresponding standards for densities and intensities and shall establish the following floor area ratio(s) to be applied to each classification of land use:**

  Consistency: Floor area ratio(s) shall be maintained per the land development regulations.
- **Policy I.1.3 The City shall continue to allocate amounts and types of land uses for residential, commercial, industrial, public, and recreation to meet the needs of the existing and projected future populations and to locate urban land uses in a manner where public facilities may be provided to serve such urban land uses. (Urban land uses shall be herein defined as residential, commercial and industrial land use categories).**

  Consistency: Public facilities are available at the site with an acceptable level of service to serve the proposed use.

- **Policy I.1.4 The City shall continue to limit the designation of residential, commercial and industrial lands depicted on the Future Land Use Plan map to acreage which can be reasonably expected to develop by the year 2025.**

  ***Consistency:** It is reasonable to expect the property to commence construction in 2025.*

- **Objective I.2 The City shall adopt performance standards which regulate the location of land development consistent with topography and soil conditions and the availability of facilities and services.**

- **Policy I.2.1 The City shall restrict development within unsuitable areas due to flooding, improper drainage, steep slopes, rock formations and adverse earth formations by the following design standards for arrangement of development:**

  1. Streets shall be related appropriately to the topography. All streets shall be arranged so as to obtain as many as possible building sites at or above the grades of the streets. Grades of streets shall conform as closely as possible to the original topography. A combination of steep grades and curves shall be avoided.

  2. Local streets shall be laid out to discourage use by through traffic, to permit efficient drainage and utility systems and to require the minimum number of streets necessary to provide convenient and safe access to property.

  3. The rigid rectangular gridiron street pattern need not necessarily be adhered to, and the use of curvilinear streets, cul-de-sacs, or U-shaped streets shall be encouraged where such use will result in a more desirable layout.

  4. Proposed streets shall be extended to the boundary lines of the tract to be subdivided, unless prevented by topography or other physical conditions, or unless, in the opinion of the City Council, such extension is not necessary or desirable for the coordination of the layout or the most advantageous future development of adjacent tracts..

  ***Consistency:** The property is not located in a flood area and would not include steep slopes or rock formations that would be adverse to the arrangement of development in accordance with the comprehensive plan.*

- **Objective I.3 The City shall require that all proposed development be approved only where the public facilities meet or exceed the adopted level of service standard.**

- **Policy I.3.1 The City shall limit the issuance of development orders and permits to areas where the adopted level of service standards for the provision of public facilities found within the Comprehensive Plan are maintained. This provision also includes areas where development orders were issued prior to the adoption of the Comprehensive Plan.**

  ***Consistency:** The level of service standards will not be adversely affected from existing conditions by the development.*

- **Objective I.4 The City shall continue to include provisions for Planned Residential Development regulations. A Planned Residential Development (PRD) is:**

  ***Consistency:** Does not apply, this is not a PRD application.*

- **Objective I.5 The City shall continue to limit the extension of public facility geographic service areas to the adjacent urban development area, except that water line extensions may be made outside such designated urban development area to address public health and safety concerns associated with groundwater contamination and water and sewer line extensions may be made to public land uses located**

outside such designated urban development area. The boundary of this designated urban development area is depicted within the Future Land Use Map Series of this Comprehensive Plan.

Consistency: No extension of public utilities are required as the site has direct access to public utilities.

- **Objective I.6 The City shall continue to include within the portion regarding the report and recommendation of the Planning and Zoning Board on amendments to such regulations, that such report shall address whether the proposed amendment will be a deterrent to the improvement or development of adjacent land uses and it shall be concluded by the local governing body, based upon such report and prior to approval of the amendment, that the granting of the amendment will not adversely impact adjacent land uses.**

  Consistency: The project will not be a deterrent to the improvement or development of adjacent land uses as it will have the same classification of adjacent land uses. Concurrency impacts are minimal in comparison to existing land use.

- **Objective I.7 The City shall identify and designate blighted areas which are feasible for redevelopment or renewal, through the updating of the housing condition survey based upon information as available from the University of Florida, Shimberg Center for Affordable Housing.**

  Consistency: Does not apply, this is not a blighted area.

- **Objective I.8 The City shall reduce inconsistencies in land uses with the provisions of this Comprehensive Plan through the establishment of such inconsistencies as non-conforming land uses.**

  Consistency: The proposed use is consistent with existing land uses.

- **Objective I.9 The City shall continue to use a Historic Preservation Agency appointed by the City Council to assist the City Council with the designation of historic landmarks and landmark sites or historic districts within the City based upon criteria utilized for the National Register of Historic Places and the Secretary of the Interior's Standards for Rehabilitation and Guidelines for Rehabilitating Historic Buildings. The Historic Preservation Agency shall review applications for historic designation and after conducting a duly noticed public hearing shall make a recommendation to the City Council based upon the criteria stated in the maintenance and reuses of historical structures policy contained within the Future Land Use Element of the Comprehensive Plan.**

  Consistency: The proposed use is not located in a Historical Preservation area.

- **Objective I.10 The City shall protect natural resources and environmentally sensitive lands (including but not limited to wetlands and floodplains). For the purposes of this Comprehensive Plan "wetlands" means those areas that are inundated or saturated by surface water or groundwater at a frequency and a duration sufficient to support, and under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soils. Soils present in wetlands generally are classified as hydric or alluvial, or possess characteristics that are associated with reducing soil conditions. The prevalent vegetation in wetlands generally consists of facultative or obligate hydrophytic macrophytes that are typically adapted to areas having soil conditions described above. These species, due to morphological, physiological or reproductive adaptations, have the ability to grow, reproduce or persist in aquatic environments or anaerobic soil conditions. Florida wetlands generally include swamps, marshes, bayheads, bogs, cypress domes and strands, sloughs, wet prairies, riverine swamps and marshes, hydric seepage slopes, tidal marshes, mangrove swamps and other similar areas. Florida wetlands generally do not include longleaf or slash pine flatwoods with an understory dominated by saw palmetto.**

  Consistency: The proposed use is not located in an environmentally sensitive area, including but not limited to wetlands or floodplains.

- **Objective I.11 The City shall establish a process for coordination with agencies responsible for the implementation of any regional resource planning and management plan prepared pursuant to Chapter 380, Florida Statutes, as amended.**

  ***Consistency:** This item will be completed in the City of Lake City Growth Management application review process.*

- **Objective I.12 The City shall coordinate review of all proposed subdivision plats with the Water Management District for subdivisions proposed within the drainage basin of any designated priority water body to provide the Water Management District an opportunity to review such subdivision to determine if the plat is consistent with any approved management plans within that basin.**

  ***Consistency:** This project will be designed to meet the SRWMD permitted conditions.*

Please contact me at 386-965-9000 if you have any questions.

Respectfully,

Lance Jones, P.E.

LEGAL DESCRIPTION:

PARCEL 34-3S-16-02461-506 (10080) (FROM SURVEY):

LOTS 4, 5, 6, & 7 OF "PLANTATION VILLAGE SUBDIVISION" AS PER PLAT THEREOF RECORDED IN PLAT BOOK 6, PAGES 210 & 211 OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA.

Prepared by and return to:
Guy W. Norris
Attorney at Law
Norris & Norris, P.A.
253 NW Main Blvd.
Lake City, FL 32055
386-752-7240
File Number: **G600**

Parcel Identification No. **34-3S-16-02461-506**

Inst:201512004816 Date:3/16/2015 Time:4:45 PM
Doc Stamp-Deed:5075.00
DC,P.DeWitt Cason,Columbia County Page 1 of 2 B:1291 P:232

[Space Above This Line For Recording Data]

Warranty Deed

(STATUTORY FORM - SECTION 689.02, F.S.)

This Indenture made this 13th day of March, 2015, between **Gateway Prescription Center, Inc., a Florida corporation, 780 SE Baya Drive, Lake City, FL 32025**, grantor*, and **Odom, Moses & Company, L.L.P, a Florida limited liability partnership, 4424 NW American Lane, Suite 101, Lake City, FL 32055**, grantee*,

Witnesseth, that said grantor, for and in consideration of the sum of TEN AND NO/100 DOLLARS ($10.00) and other good and valuable considerations to said grantor in hand paid by said grantee, the receipt whereof is hereby acknowledged, has granted, bargained, and sold to the said grantee, and grantee's successors and assigns forever, the land, situate, lying and being in **Columbia County, Florida**, described in Exhibit A attached hereto and made a part hereof.

SUBJECT TO: Ad valorem taxes and special assessments for 2015 and subsequent years; restrictions and easements of record; easements shown by a plat of the property; and visible easements;

and said grantor does hereby fully warrant the title to said land, and will defend the same against lawful claims of all persons whomsoever.

* "Grantor" and "Grantee" are used for singular or plural, as context requires.

In Witness Whereof, grantor has caused these presents to be executed by its duly authorized officer the day and year first above written.

Signed, sealed and delivered in our presence:

Witness Name: GUY W. NORRIS

Witness Name: LAURA WILLIAMS

Gateway Prescription Center, Inc., a Florida corporation

By: _____
Carl Allison, President

(Corporate Seal)

State of Florida
County of Columbia

The foregoing instrument was acknowledged before me this 13th day of March, 2015 by Carl Allison, President of Gateway Prescription Center, Inc., a Florida corporation, on behalf of the corporation. He [☑] is personally known to me or [ ] produced _____ as identification.

[Notary Seal]

Notary Public

Printed Name: _____

My Commission Expires: _____

DIANE A. GRIMES
MY COMMISSION EXPIRES
NOTARY PUBLIC STATE OF FLORIDA

Exhibit A

Lots 4, 5, 6 and 7, Plantation Village Subdivision, according to the plat thereof recorded in Plat Book 6, Pages 210 and 211, of the Public Records of Columbia County, Florida.

TOGETHER WITH an easement for ingress and egress to be used as common driveway over and across the following described property: Commence at the SW corner of NW 1/4 of Section 34, Township 3 South, Range 16 East, Columbia County, Florida; thence run N 06°09'09" E along the West line of Section 34, a distance of 321.31 feet to the North right-of-way line of State Road No. 10 (US 90); thence run S 63°54'24" E, along the North right of way line a distance of 500.49 feet to point of beginning; thence continue S 63°54'24" E, 20.00 feet; thence run N 26°05'36" E, a distance of 60.00 feet; thence run N 63°54'24" W, a distance of 40.00 feet; thence run S 26°05'36" W, to North right of way line of State Road No. 10 (US 90), a distance of 60.00 feet; thence run S 63°54'24" E, a distance of 20.00 feet to point of beginning. Said common driveway lying 20 feet of each side of the Westerly lot line of Lot 5, Plantation Village Subdivision.

Parcel Identification Number: 34-3S-16-02461-506

GROWTH MANAGEMENT DEPARTMENT
205 North Marion Ave, Lake City, FL 32055
Phone: 386-719-5750
E-mail: growthmanagement@lcfla.com

AGENT AUTHORIZATION FORM

I, Deserrai Goosen (owner name), owner of property parcel number 34-3S-16-02461-506 (10080) (parcel number), do certify that the below referenced person(s) listed on this form is/are contracted/hired by me, the owner, or, is an officer of the corporation; or, partner as defined in Florida Statutes Chapter 468, and the said person(s) is/are authorized to sign, speak and represent me as the owner in all matters relating to this parcel.

Printed Name of Person Authorized	Signature of Authorized Person
1. Christoher Lance Jones	1.
2.	2.
3.	3.
4.	4.
5.	5.

I, the owner, realize that I am responsible for all agreements my duly authorized agent agrees with, and I am fully responsible for compliance with all Florida Statutes, City Codes, and Land Development Regulations pertaining to this parcel.

If at any time the person(s) you have authorized is/are no longer agents, employee(s), or officer(s), you must notify this department in writing of the changes and submit a new letter of authorization form, which will supersede all previous lists. Failure to do so may allow unauthorized persons to use your name and/or license number to obtain permits.

Owner Signature (Notarized) 12/27/24 Date

NOTARY INFORMATION:
STATE OF: Florida COUNTY OF: Columbia

The above person, whose name is Deserrai Goosen, personally appeared before me and is known by me or has produced identification (type of I.D.) _____ on this 27 day of December, 20 24.

Lauren A. Beadles
NOTARY'S SIGNATURE

(Seal/Stamp)
LAUREN A. BEADLES
MY COMMISSION # HH 134672
EXPIRES: June 18, 2025

Kyle Keen, CFC
Columbia County Tax Collector

2024 Real Estate
NOTICE OF AD VALOREM TAXES AND NON-AD VALOREM ASSESSMENTS

8656.0000

PARCEL NUMBER	ESCROW CD	Millage Code
R02461-506		1

THIS BILL IS FULLY PAID

4330 AMERICAN LAKE CITY 32055
LOTS 4, 5, 6 & 7 PLANTATION VILLAGE S/D.

ODOM, MOSES & COMPANY LLP
4641 US HIGHWAY 90 W
LAKE CITY FL 32055

135 NE Hernando Ave, Suite 125,Lake City, FL 32055
(386) 758-1077

AD VALOREM TAXES

TAXING AUTHORITY	ASSESSED VALUE	MILLAGE RATE	EXEMPTION AMOUNT	TAXABLE AMOUNT	TAXES LEVIED
CITY OF LAKE CITY					
LAKE CITY	1,620,843	4.9000	0	1,620,843	7,942.13
BOARD OF COUNTY COMMISSIONERS					
GENERAL FUND	1,620,843	7.8150	0	1,620,843	12,666.89
COLUMBIA COUNTY SCHOOL BOARD					
DISCRETIONARY	1,620,843	0.7480	0	1,620,843	1,212.38
LOCAL	1,620,843	3.1430	0	1,620,843	5,094.32
CAPITAL OUTLAY	1,620,843	1.5000	0	1,620,843	2,431.27
SUWANNEE RIVER WATER MGT DIST					
WATER MGT	1,620,843	0.2936	0	1,620,843	475.88
LAKE SHORE HOSPITAL AUTHORITY					
LK SHORE	1,620,843	0.0001	0	1,620,843	0.16

IMPORTANT: All exemptions do not apply to all taxing authorities. Please contact the Columbia County Property Appraiser for exemption/assessment questions.

TOTAL MILLAGE	18.3997	**AD VALOREM TAXES**	**29,823.03**

NON AD VALOREM ASSESSMENTS

LEVYING AUTHORITY		RATE	AMOUNT
XLCF	CITY FIRE ASSESSMENT	5.00 Units @ 311.2600	1,617.89

SAVE TIME PAY ONLINE @ www.columbiataxcollector.com

NON AD VALOREM ASSESSMENTS		**1,617.89**
COMBINED TAXES AND ASSESSMENTS	**31,440.92**	**See reverse side for important information**

Paid In Full	Taxes	Discount / Interest	Fees	Payments	Amount Due
	31,440.92	-1,257.64	0.00	30,183.28	0.00

PLEASE RETAIN THIS PORTION FOR YOUR RECORDS

Kyle Keen, CFC
Columbia County Tax Collector

2024 Real Estate
NOTICE OF AD VALOREM TAXES AND NON-AD VALOREM ASSESSMENTS

8656.0000

PARCEL NUMBER	ESCROW CD	Millage Code
R02461-506		1

THIS BILL IS FULLY PAID

4330 AMERICAN LAKE CITY 32055
LOTS 4, 5, 6 & 7 PLANTATION VILLAGE S/D.

ODOM, MOSES & COMPANY LLP
4641 US HIGHWAY 90 W
LAKE CITY FL 32055

DO NOT WRITE BELOW THIS PORTION

PLEASE PAY IN US FUNDS TO: KYLE KEEN, TAX COLLECTOR

Paid In Full	Taxes	Discount / Interest	Fees	Payments	Amount Due
	31,440.92	-1,257.64	0.00	30,183.28	0.00

Receipt(s) 2024-13456 on 11/20/24 for $30,183.28 by ODOM, MOSES, & COMPANY LLP

DEPARTMENT OF GROWTH MANAGEMENT
205 North Marion Avenue
Lake City, Florida 32055
Telephone: (386) 719-5750
growthmanagement@lcfla.com

REVIEW REPORT TO PLANNING AND ZONING, BOARD OF ADJUSTMENT AND HISTORICAL COMMITTEES' BY STAFF FOR SITE PLAN REVIEW, SPECIAL EXCEPTIONS, VARIANCES, COMPREHENSIVE PLAN AMENDMENTS/ ZONING AND CERTIFICATE OF APPROPRIATENESS

Date: 03/14/2025

Request Type: Site Plan Review (SPR) ■ Special Exception (SE) ☐ Variances (V) ☐

Comprehensive Plan Amendment/Zoning (CPA/Z) ☐ Certificate of Appropriateness (COA) ☐

Project Number: SPR 25-05

Project Name: Odom Moses Expansion

Project Address: 4641 W US Hwy 90, Lake City, FL

Project Parcel Number: 02461-506

Owner Name: Odom Moses and Company, LLP

Owner Address: 4641 W US Hwy 90, Lake City, FL

Owner Contact Information: Telephone Number: _____ Email: _____

Owner Agent Name: Lance Jones

Owner Agent Address: 855 SW Baya Dr, Lake City, FL

Owner Agent Contact Information: Telephone: 386-965-9000 Email: ljones@jonesengineering.net

The City of Lake City staff has reviewed the application and documents provided for the above request and have determined the following.

Growth Management – Building Department, Planning and Zoning, Code Enforcement, Permitting

Building Department: **Reviewed by:** Signed by: Scott Thomason 7C2DC476A33B441... **Date:** 3/20/2025

No comments from building at this time.

Planning and Zoning: **Reviewed by:** Signed by: Bryan S. Thomas B0C7E588CB9E4F2... **Date:** 3/24/2025

Because the parcel's current Land Use and Zoning are still under Columbia County's Land Use and Zoning categories, the Site Plan application can move forward under the existing Columbia County Land Development Regulations. However, the owners will be required to submit a petition to change the Land Use and Zoning from Columbia County to City of Lake City prior to obtaining a Certificate of Occupancy.

Business License: **Reviewed by:** Signed by: Nina Gill FB87FE76C7AF457... **Date:** 4/22/2025

Nothing needed at this time

Code Enforcement: Reviewed by: Signed by: Marshall Sova E8B18D144D974CD... **Date:** 3/18/2025

No liens, codes or violations

Permitting: Reviewed by: _____ **Date:** _____

Utilities – Water, Sewer, Gas, Water Distribution/Collections, Customer Service

Water Department: Reviewed by: Signed by: Mike L. Osborn Jr. 896E039544B74E3... **Date:** 3/19/2025

Backflow information looks good.

Sewer Department: Reviewed by: DocuSigned by: Cody Pridgeon DBA01EF55AD249B... **Date:** 3/19/2025

Wastewater plant has capacity to receive flow

Gas Department: Reviewed by: Signed by: Steve Brown 8B57D0CE8F2F4B5... **Date:** 3/19/2025

Locates will be needed.

Water Distribution/Collection: Reviewed by: Signed by: Brian Scott F599EB8125784F8... **Date:** 4/21/2025

need updated plans

Customer Service: Reviewed by: DocuSigned by: Shasta Pelham 6BD97A03165D4E0... **Date:** 4/7/2025

A tap application would need to be submitted in order to apply for water, sewer and/or natural gas services. Mr. Scott, Distribution & Collections Director advised that utility plan corrections are needed and he is unable to approve before the revised utility plans are received. This response does not represent the City of Lake City's commitment for or reservation of capacity. In accordance with the City of Lake City's policies and procedures, commitment to serve is made only upon the City of Lake City's approval of the application for service, utility plans and receipt of payment for all applicable fees.

Public Safety – Public Works, Fire Department, Police Department

Public Works: **Reviewed by:** Signed by: Steve Brown 8B57D0CE8F2F4B5... **Date:** 3/19/2025

We will need a stormwater plan.

Fire Department: **Reviewed by:** Signed by: Pat Tompkins B6B732AC1FEC481... **Date:** 3/18/2025

No Comments at this time.

Police Department: **Reviewed by:** _____ **Date:** _____

NOTE: Please provide separate pages for comments that will not fit in provided spaces and please label the pages for your department and for the project.

State and County- FDOT, Suwannee River Water Management, School Board, Columbia County

FDOT: Reviewed by: _____ **Date:** _____

Suwannee River Water Management: Reviewed by: DocuSigned by: Garrett Sapper 650C0305882B42D... **Date:** 3/18/2025

The project has been permitted by SRWMD. The Permit Number is ERP-023-222616-2

School Board: Reviewed by: DocuSigned by: Keith Hatcher 96699F1918BC425... **Date:** 3/24/2025

No comments at this time.

County: Reviewed by: DocuSigned by: Chad Williams 38A47263EAB7416... **Date:** 4/11/2025

No issues were identified by this office at this time. This comment is provided by the County Engineer based only on the information contained in the application provided. This response does not constitute the engineer's professional opinion with respect to the project and does not constitute approval of any committee or board for Columbia County. Such opinions and approvals, if any, shall be as provided by County code or regulations.

NOTE: Please provide separate pages for comments that will not fit in provided spaces and please label the pages for your department and for the project.

AKE CITY GROWTH MANAGEMENT
STAFF ANALYSIS REPORT

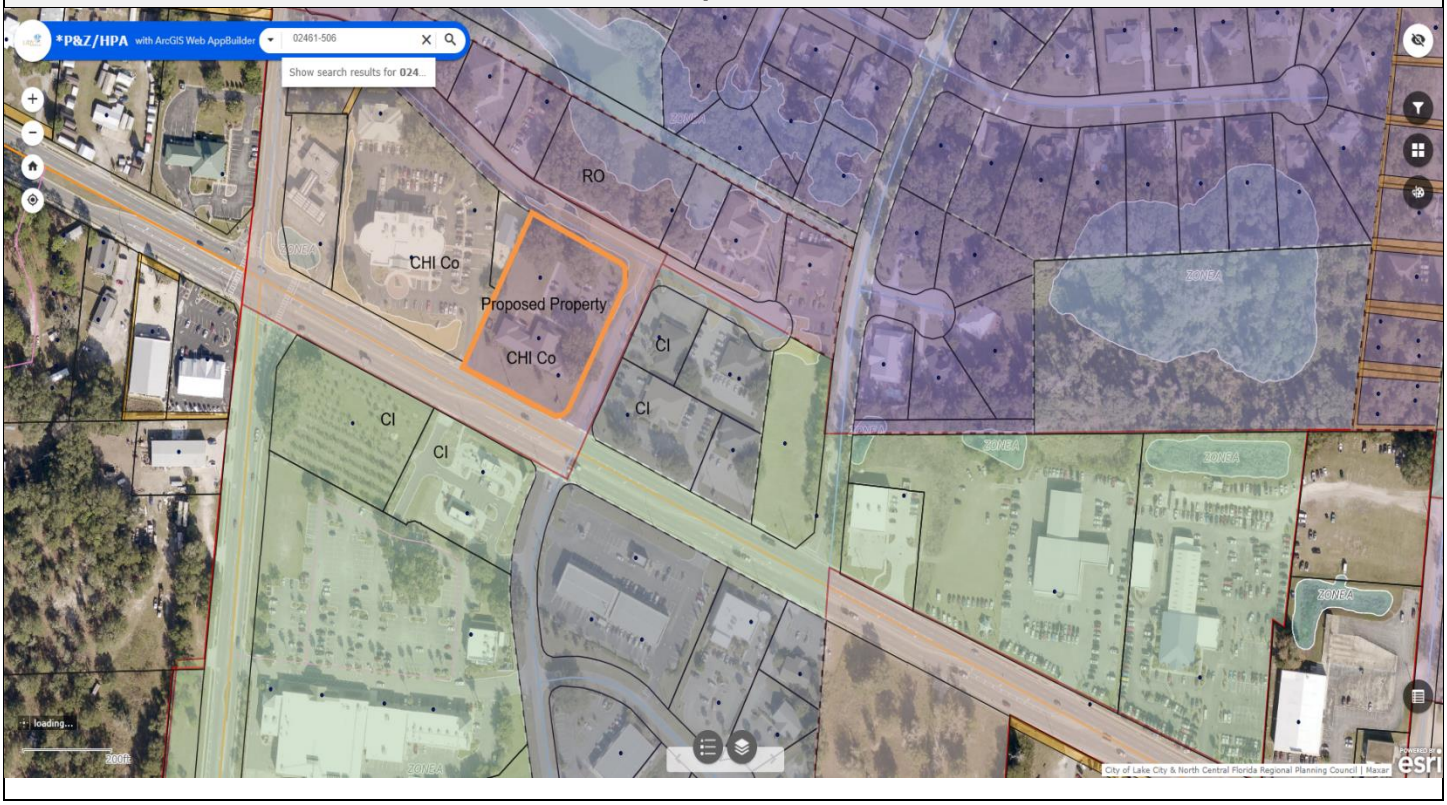
Project Information	
Project Name and Case No.	Odom Moses Expansion Site Plan Review SPR 25-05
Applicant	Lance Jones, agent
Owner	Odom Moses and Company, LLP
Requested Action	• Review a site plan for an expansion of the existing use.
Hearing Date	04-15-2025
Staff Analysis/Determination	Sufficient for Review
Prepared By	Robert Angelo

Subject Property Information	
Size	+/- 1.989 Acres
Location	4641 W US Highway 90, Lake City, FL
Parcel Number	36-3S-16-02461-506
Future Land Use	High Interchange Co
Proposed Future Land Use	High Interchange Co
Current Zoning District	Commercial Highway Interchange County
Proposed Zoning	Commercial Highway Interchange County
Flood Zone-BFE	Flood Zone X Base Flood Elevation-N/A

Land Use Table				
Direction	**Future Land Use**	**Zoning**	**Existing Use**	**Comments**
N	Residential Medium	RO	Office	
E	Commercial	CI	Office	
S	Commercial City	CI	Retail	
W	High Interchange Co	CHI Co	Office	

Zoning Review		
Zoning Requirements	**Required/Section of LDR**	**Actual**
Minimum lot requirements.	1 Acre/ 4.15.6.1 200 Feet lot frontage	1.989 Acres
Minimum yard requirements (setbacks) Front-Each Side-Rear.	4.13.7.1 Front 20 Side 0 Rear 15	Meets required setbacks.
Are any structure within 35 feet of a wetland?	35-foot buffer/ 4.13.7	No wetland
Max height of signs.	35-foot/ 4.2.20.7.3	No sign proposed
Max square footage of signs.	No signs proposed/ 4.2.20.7.5	No sign proposed
Lot coverage of all buildings.	1.0/ 4.13.9	13 % coverage.
Minimum landscape requirements.	20 foot if abutting a residential district or none if not/ 4.15.10	Does not abut a residential district.
Minimum number of parking spaces.	57 spaces/ 4.2.15.16	57 spaces
Minimum number of ADA parking spaces.	3 space	3 space
Parking space size requirement.	10x20	10x20
ADA parking space size.	12x20 with 5x20 access aisle.	12x20 with 5x20 access aisle.

Map of Location



Picture of Location

Summary of Request

Applicant has petitioned to get an approval of a site plan to expand the existing site.