

February 3, 2025

PROJECT NAME: FIRESTONE OCALA FREEDOM

PROJECT NUMBER: 2024090064

APPLICATION: MAJOR SITE PLAN #32039

- 1 DEPARTMENT: ENGDRN - STORMWATER REVIEW
REVIEW ITEM: 6.13.10.B - Copy of NPDES Permit or NOI
STATUS OF REVIEW: INFO
REMARKS: Please provide a copy of the NPDES permit or NOI prior to construction.
- 2 DEPARTMENT: ENGDRN - STORMWATER REVIEW
REVIEW ITEM: Copy of District Permit (County Interest)
STATUS OF REVIEW: INFO
REMARKS: Please provide a copy of the NPDES permit or NOI prior to construction.
- 3 DEPARTMENT: ENGDRN - STORMWATER REVIEW
REVIEW ITEM: Additional Stormwater comments
STATUS OF REVIEW: INFO
REMARKS: If you have questions or would like to discuss the stormwater review comments, please contact Alexander Turnipseed at (352) 671-8376 or at alexander.turnipseed@marionfl.org.
- 4 DEPARTMENT: ENGIN - DEVELOPMENT REVIEW
REVIEW ITEM: 2.12.4.K - List of approved waivers, their conditions, and the date of approval
STATUS OF REVIEW: INFO
REMARKS: 10/23/24-add waivers if requested in future
- 5 DEPARTMENT: ENGIN - DEVELOPMENT REVIEW
REVIEW ITEM: Additional Development Review Comments
STATUS OF REVIEW: INFO
REMARKS: After approval, plans will be electronically stamped by the County. The applicant will receive an email indicating that approved plans are available for download and are located in the ePlans project Approved folder. For Development Review submittals, with the exception of Final Plats and Minor Site Plans, applicants are required to print, obtain required signatures, and sign and seal two 24"x 36" sets of the electronically stamped approved plan and deliver them to the Office of County Engineer, Development Review Section, located at 412 SE 25th Avenue Ocala, FL 34471. Upon receipt, a development order will be issued. Until such time as that development order is issued, the project does not have final approval and construction, if applicable, shall not commence. For plans requiring As-Builts, As-Builts and associated documentation shall be submitted on paper in accordance with current county requirements.
- 6 DEPARTMENT: DOH - ENVIRONMENTAL HEALTH
REVIEW ITEM: Additional Health comments
STATUS OF REVIEW: INFO
REMARKS: Central Sewer/Central Water
- 7 DEPARTMENT: ZONE - ZONING DEPARTMENT
REVIEW ITEM: 4.4.4 -Sign (provisions for advertising signage), if it is a multi occupancy complex like shopping centers they must submit a master sign plan.
STATUS OF REVIEW: INFO
REMARKS: Will there be signs?

- 8 DEPARTMENT: ZONE - ZONING DEPARTMENT
REVIEW ITEM: 2.12.27 - Show location of outside storage areas
STATUS OF REVIEW: INFO
REMARKS: No outside storage
- 9 DEPARTMENT: ENRAA - ACQ AGENT ENG ROW
REVIEW ITEM: Major Site Plan
STATUS OF REVIEW: INFO
REMARKS: IF APPLICABLE:
Sec. 2.18.1.I - Show connections to other phases.
Sec.2.19.2.H – Legal Documents
Legal documents such as Declaration of Covenants and Restrictions, By-Laws, Articles of Incorporation, ordinances, resolutions, etc.
Sec. 6.3.1.B.1 – Required Right of Way Dedication (select as appropriate)
For Public Streets. "[All streets and rights-of-way shown on this plat or name specifically if less than all] are hereby dedicated for the use and benefit of the public."
Sec. 6.3.1.B.2 – Required Right of Way Dedication
For Non-Public Streets. "[All streets and rights-of-way shown on this plat or name specifically if less than all] are hereby dedicated privately to the [entity name]. All public authorities and their personnel providing services to the subdivision are granted an easement for access. The Board of County Commissioners of Marion County, Florida, shall have no responsibility, duty, or liability whatsoever regarding such streets. Marion County is granted an easement for emergency maintenance in the event of a local, state, or federal state of emergency wherein the declaration includes this subdivision or an emergency wherein the health, safety, or welfare of the public is deemed to be at risk."
Sec. 6.3.1.D.3 - Cross Access Easements
For Cross Access Easements. "All parallel access easements shown on this plat are hereby dedicated for the use and benefit of the public, and maintenance of said easements is the responsibility of [entity name]."
Sec. 6.3.1.C.1 - Utility Easements (select as appropriate)
"[All utility easements shown or noted or name specifically if less than all] are dedicated [private or to the public] for the construction, installation, maintenance, and operation of utilities by any utility provider."
Sec. 6.3.1.C.2 – Utility Easements
"[All utility tracts or identify each tract as appropriate] as shown are dedicated [private or to the public] for the construction and maintenance of such facilities."
Sec.6.3.1.D(c)(1)(2)(3) - Stormwater easements and facilities, select as appropriate:
1. "[All stormwater and drainage easements as shown or noted or name specifically if less than all] are dedicated [private or to the public] for the construction and maintenance of such facilities."
2. "[All stormwater management tracts or identify each tract as appropriate] as shown are dedicated [private or to the public] for the construction and maintenance of such facilities."
3. When any stormwater easement and/or management tract is not dedicated to the public or Marion County directly, the following statement shall be added to the dedication language: "Marion County is granted the right to perform emergency maintenance on the [stormwater easement and/or management tract, complete accordingly] in the event of a local, state, or federal state of emergency wherein the declaration includes this subdivision or an emergency wherein the health, safety, or welfare of the public is deemed to be at risk."
Sec.6.3.1.D(f) –
If a Conservation Easement is required the following shall be provided: "A conservation easement [as shown or on tract and identify the tract, complete accordingly] is dedicated to [the Board of County Commissioners of Marion County, Florida or entity name, if not Marion County] for the purpose of preservation of [listed species, habitat, Karst feature and/or native vegetation, complete accordingly]."

- 10 DEPARTMENT: ENGDRN - STORMWATER REVIEW
REVIEW ITEM: 2.12.4.L(9)(b) - Data Block (Impervious Area)
STATUS OF REVIEW: NO
REMARKS: There appears to be two sections in the data table labeled as proposed condition.
- 11 DEPARTMENT: ENGDRN - STORMWATER REVIEW
REVIEW ITEM: 6.13.7 - Geotechnical Criteria
STATUS OF REVIEW: NO
REMARKS: Per LDC there are a minimum of two boring required per pond
- 12 DEPARTMENT: ENGDRN - STORMWATER REVIEW
REVIEW ITEM: 6.13.2.A(3) - Retention/Detention Area Design Parameters
STATUS OF REVIEW: NO
REMARKS: Maximum pond depth is 6ft. Staff may support a waiver based on soil conditions.
- 13 DEPARTMENT: ENGDRN - STORMWATER REVIEW
REVIEW ITEM: 6.13.4 - Stormwater Quantity Criteria
STATUS OF REVIEW: NO
REMARKS: See comment under "6.13.7 - Geotechnical Criteria"
- 14 DEPARTMENT: ENGDRN - STORMWATER REVIEW
REVIEW ITEM: 6.13.2.B(4) - Hydrologic Analysis
STATUS OF REVIEW: NO
REMARKS: See comment under "6.13.7 - Geotechnical Criteria"
- 15 DEPARTMENT: ENGDRN - STORMWATER REVIEW
REVIEW ITEM: 6.13.4.C - Discharge Conditions
STATUS OF REVIEW: NO
REMARKS: See comment under "6.13.7 - Geotechnical Criteria"
- 16 DEPARTMENT: ENGDRN - STORMWATER REVIEW
REVIEW ITEM: 6.13.2.B(6) - Freeboard
STATUS OF REVIEW: NO
REMARKS: See comment under "6.13.7 - Geotechnical Criteria"
- 17 DEPARTMENT: ENGDRN - STORMWATER REVIEW
REVIEW ITEM: 6.13.4.D - Recovery Analysis
STATUS OF REVIEW: NO
REMARKS: See comment under "6.13.7 - Geotechnical Criteria"
- 18 DEPARTMENT: ENGDRN - STORMWATER REVIEW
REVIEW ITEM: 6.13.6 - Stormwater Quality Criteria
STATUS OF REVIEW: NO
REMARKS: See comment under "6.13.7 - Geotechnical Criteria"
- 19 DEPARTMENT: ENGDRN - STORMWATER REVIEW
REVIEW ITEM: 6.13.6.C - Best Management Practices
STATUS OF REVIEW: NO
REMARKS: Please provide a karst repair detail

- 20 DEPARTMENT: ENGDRN - STORMWATER REVIEW
REVIEW ITEM: 6.13.8 - Stormwater Conveyance Criteria
STATUS OF REVIEW: NO
REMARKS: Please provide conveyance calculations. These calculations need to be located in the stormwater report.
- 21 DEPARTMENT: ENGDRN - STORMWATER REVIEW
REVIEW ITEM: 6.13.2.B(5) - Hydraulic Analysis
STATUS OF REVIEW: NO
REMARKS: See comment under "6.13.2.B(5) - Hydraulic Analysis"
- 22 DEPARTMENT: ENGDRN - STORMWATER REVIEW
REVIEW ITEM: 6.13.2.A(12)/6.12.5 - Stormwater Details, Cross Sections, References
STATUS OF REVIEW: NO
REMARKS: Please identify the elevation of the top of pond in the cross section of both ponds
- 23 DEPARTMENT: ENGDRN - STORMWATER REVIEW
REVIEW ITEM: 6.13.2.B(8) - Calculation & Plan Consistency
STATUS OF REVIEW: NO
REMARKS: Will review stormwater report once it has been updated with the additional boring information identified in the comment response comment
- 24 DEPARTMENT: ENGDRN - STORMWATER REVIEW
REVIEW ITEM: 6.10 - Karst Topography and High Recharge Areas
STATUS OF REVIEW: NO
REMARKS: Please provide a signed and sealed karst analysis
- 25 DEPARTMENT: ENGDRN - STORMWATER REVIEW
REVIEW ITEM: 7.1.3 - Drainage Construction Specifications
STATUS OF REVIEW: NO
REMARKS: (1) We need the following note on the cover page of the plans: "No change to the work as shown on the approved plans shall be made without notification to and approval by the office of the County Engineer." (2) LDC requires the use of RCP pipe for stormwater conveyance piping. To pursue using an alternative material, the engineer needs to submit a request identifying the alternative material type requested, verification that the material is included on the FDOT Approved Products List, and the site specific installation meets install criteria such as depth of cover and UV protection for pipe ends. County will review the request and provide feedback. Pipe material request approval pending.
- 26 DEPARTMENT: ENGDRN - STORMWATER REVIEW
REVIEW ITEM: Please provide a final signed and sealed hard copy signature page with references to the stormwater analysis or final hard copy of the full stormwater analysis.
STATUS OF REVIEW: NO
REMARKS: After all stormwater comments are resolved, please upload a scanned copy of the digitally signed and sealed certification page of the stormwater report to ePlans. Alternatively, a hard copy can be submitted. If you choose to submit a hard copy, you only need to submit the certification page of the report. A full report is not necessary. However, full reports are accepted if desired.

- 27 DEPARTMENT: ENGTRF - TRAFFIC REVIEW
REVIEW ITEM: 6.11.4.B - Cross access
STATUS OF REVIEW: NO
REMARKS: 12/23/24 - 1) Ensure cross access easement is shown on plans. 2) Need to verify recording of easement as applicant has stated would be done to enable final plan approval.
11/1/24 - A minimum of 24' wide paved public ingress / egress cross-access easement is required parallel to SW 95th Street from property line to property line and must be specified on plans. The heavy-duty pavement area satisfies the pavement requirement. Contact Cheryl Weaver in the Right-of-Way Office at 352-671-8679 to obtain the appropriate template and for recording the easement which must be executed prior to final plan approval.
- 28 DEPARTMENT: UTIL - MARION COUNTY UTILITIES
REVIEW ITEM: 6.14.2.C - Industrial Pretreatment
STATUS OF REVIEW: NO
REMARKS: 1/6/25 addendum to original comment: Add OWS calculations to Utility Details close to the OWS detail on Sheet C10.2; they will need to be signed & sealed as compliant with the rest of the plan set.
ORIGINAL COMMENT: see notes on Sheet C10.2 & C5 RE: oil water separator
- 29 DEPARTMENT: UTIL - MARION COUNTY UTILITIES
REVIEW ITEM: 6.15.1 - Potable Water Distribution System
STATUS OF REVIEW: NO
REMARKS: Utility Plan Keynotes: 1. Water connection Note 100 - connect with gate valve; do not use 2" curb stop for taps 2. Irrigation Note 200 - reducer needs to be OUTSIDE of the meter box 3. proposed connection for hydrant will make parallel mains on SW 57th Ave; avoid if possible 4. tap must be done with sleeve; saddle will not be acceptable 5. bring main down to a restrained 90 instead of using 2x22.5* fittings (see ePlans for sketch) 6. No reducers shall be inside meter box or on county side of property line 7. what is the proposed depth of the line to the hydrant considering it will be 'trapped' between a road and a pond?
- 30 DEPARTMENT: UTIL - MARION COUNTY UTILITIES
REVIEW ITEM: 6.16.4 - Wastewater Collection Systems (Gravity/Pressurized) Design
STATUS OF REVIEW: NO
REMARKS: Utility Plan Keynotes: 1. Structure 318 needs to be a standard manhole; eliminate cap at the end of the sanitary sewer. 2. Sewer note 310 & 318 - all drop manholes to be lined and have composite ring and cover (update note) 3. Sewer note #314 - move this to a property corner & from outside the middle of a driveway (or just outside the paved area if corner is not feasible)
- 31 DEPARTMENT: UTIL - MARION COUNTY UTILITIES
REVIEW ITEM: Additional Utilities comments
STATUS OF REVIEW: NO
REMARKS: When resubmitting, remove editing restrictions so staff can markup sheets
- 32 DEPARTMENT: LUCURR - LAND USE CURRENT REVIEW
REVIEW ITEM: 2.12.4.L(2,3, & 5)/6.3.1C(15)(g) - DRI/FQD Compliance Note?
STATUS OF REVIEW: NO
REMARKS: 1/10/25 - Site Data Table has not been revised as required.
PRIOR COMMENT: Revise the Sheet 5 Site Data Table to included the following entry:
"DEVELOPMENT AGREEMENT: OR BOOK 7309, PAGES 347-384."

- 33 DEPARTMENT: LUCURR - LAND USE CURRENT REVIEW
REVIEW ITEM: 2.12.5/1.8.2.F - Is Concurrency Approval or Deferral Elected?
STATUS OF REVIEW: NO
REMARKS: 1/10/25 - The concurrency deferral note has not be provided as required.
PRIOR COMMENT: Revise the plan Cover Sheet to provide the following note:
"This proposed project has not been granted concurrency approval and/or granted and/or reserved any public facility capacities. Future rights to develop the property are subject to a deferred concurrency determination, and final approval to develop the property has not been obtained. The completion of concurrency review and/or approval has been deferred to later development review stages, such as, but not limited to, Building Permit review."
- 34 DEPARTMENT: LUCURR - LAND USE CURRENT REVIEW
REVIEW ITEM: Additional Planning Items:
STATUS OF REVIEW: NO
REMARKS: 1/10/25 - No response has been provided in regard to this comment.
PRIOR COMMENT: What is the status of platting this "Tract 3" portion of the commercial area? (For instance, a plat was filed for the "Tract 1" portion, although it has not proceeded beyond its first review at this time.)
- 35 DEPARTMENT: 911 - 911 MANAGEMENT
REVIEW ITEM: 6.2.1.F - North arrow and graphic drawing and written scale
STATUS OF REVIEW: NO
REMARKS: Sheet 29 is missing the North Arrow & Scale.
- 36 DEPARTMENT: 911 - 911 MANAGEMENT
REVIEW ITEM: Additional 911 comments
STATUS OF REVIEW: NO
REMARKS: Sheet 05 needs parcel 35699-006-04 added to the parcel information under Location & Land Use. Sheet 9 needs parcel 35699-006-04 added to the parcel information under Location & Land Use and SW 95th & SW 57th Ave labeled is labeled incorrectly it should be NWC of SW 95th St & SW 57th Ave. Sheets 05, 06, 08 have labels showing this project as Lots 10 & 11. Labels need to be removed until future Preliminary Plat is submitted and approved. We need to see it as it is currently platted on the site plan
- 37 DEPARTMENT: LSCAPE - LANDSCAPE DESIGN AND IRRIGATION
REVIEW ITEM: 6.8.4 - Landscape area requirements for non-residential development
STATUS OF REVIEW: NO
REMARKS: provide calculations showing a min of 20% of the site is landscaped
- 38 DEPARTMENT: LSCAPE - LANDSCAPE DESIGN AND IRRIGATION
REVIEW ITEM: 6.8.6 - Buffers
STATUS OF REVIEW: NO
REMARKS: Waiver required for Type B buffer wall - note on plan says buffer wall, if a fence is being used, a waiver from the requirement is required
- 39 DEPARTMENT: LSCAPE - LANDSCAPE DESIGN AND IRRIGATION
REVIEW ITEM: 6.8.8 - Building landscaping
STATUS OF REVIEW: NO
REMARKS: Min of 60% of the public side of the building shall be landscaped, min 5' wide

40 DEPARTMENT: ZONE - ZONING DEPARTMENT

REVIEW ITEM: 2.12.21/6.3.1.C(10) - Land use and zoning on project and on adjacent properties shown

STATUS OF REVIEW: NO

REMARKS: Land Uses provided for subject site and surrounding parcels identifies land uses that do not exist in Marion County. Please correct these to reflect the appropriate land use. Additionally, the zoning listed for the northern adjacent parcel is C-2, a zoning that also does not exist in Marion County, please correct.

1/6/25- there are no adjacent properties on the plans showing the zoning and/or land use classifications. As stated on your comment response letter that it is on rev.1, sheet C1, however, it is not on the cover page, or overall C1 site plan, or C1.1.



Marion County Board of County Commissioners

Office of the County Engineer

412 SE 25th Ave.
Ocala, FL 34471
Phone: 352-671-8686
Fax: 352-671-8687

DEVELOPMENT REVIEW COMMITTEE WAIVER REQUEST FORM

Date: 1/31/2025 Parcel Number(s): 35699-006-06 Permit Number: AR 32039

A. PROJECT INFORMATION: Fill in below as applicable:

Project Name: Ocala Freedom Firestone Commercial Residential
Subdivision Name (if applicable): _____
Unit _____ Block _____ Lot _____ Tract _____

B. PROPERTY OWNER'S AUTHORIZATION: The property owner's signature authorizes the applicant to act on the owner's behalf for this waiver request. The signature may be obtained by email, fax, scan, a letter from the property owner, or original signature below.

Name (print): NATION NOEL TR RUDNIANYN TODD B TR ET AL
RUDNIANYN TODD B TR ET AL
Signature: _____
Mailing Address: 2441 NE 3RD ST STE 201 City: Ocala
State: FL Zip Code: 34470 Phone #: _____
Email address: _____

C. APPLICANT INFORMATION: The applicant will be the point of contact during this waiver process and will receive all correspondence.

Firm Name (if applicable): Common Oak Engineering Contact Name: Raven Lowry
Mailing Address: 4020 Edgewater Dr City: Orlando
State: FL Zip Code: 32804 Phone #: 4079515915
Email address: _____

D. WAIVER INFORMATION:

Section & Title of Code (be specific): _____
Reason/Justification for Request (be specific): _____

DEVELOPMENT REVIEW USE:

Received By: Email 2/3/25 Date Processed: 2/3/25 CF Project # 2024090064 AR # 32039

ZONING USE: Parcel of record: Yes No Eligible to apply for Family Division: Yes No
Zoned: _____ ESOZ: _____ P.O.M. _____ Land Use: _____ Plat Vacation Required: Yes No
Date Reviewed: _____ Verified by (print & initial): _____



**Marion County
Board of County Commissioners**

Office of the County Engineer

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Ocala, FL 34471
Phone: 352-671-8686
Fax: 352-671-8687

DEVELOPMENT REVIEW COMMITTEE WAIVER REQUEST FORM

Section & Title of Code (be specific) Sec. 6.13.6.(3)(c) - Stormwater quality criteria.
Reason/Justification for Request (be specific): WE ARE REQUESTING A WAIVER FOR THE PROPOSED DRY RETENTION POND MAX DEPTH OF 6 FT BE ALLOWED TO BE 7 FT. THE SOIL CONDITIONS DISCOVERED IN THE GEO REPORT (7/30/24) AND THE UPDATED GEO REPORT (1/17/25) INDICATE A BORING OF CLAYEY FINE SAND 5 FT BELOW THE GROUND SURFACE. OVER EXCAVATION IS SPECIFIED TO MITIGATE THIS BUT THE EXTRA POND VOLUME IS NEEDED TO SATISFY THE CLOSED BASIN CRITERIA.

Section & Title of Code (be specific) Sec. 6.8.6.K(2) - Buffers. Sec. 6.8.6.K(2) - Buffers.
Reason/Justification for Request (be specific): WE ARE REQUESTING A WAIVER FOR TYPE B BUFFER WALL TO BE A PVC FENCE.

Section & Title of Code (be specific) Sec. 6.8.8.A, B - Building landscaping.
Reason/Justification for Request (be specific): PROPOSED BUILDING: 51.75 FT. X 60% = 31.05, 31.05 X 5 SQFT =156 SQFT. REQUIRED. WE ARE REQUESTING A WAIVER FOR THE REQ. MAX. 25 FT. SETBACK FROM THE BUILDING DUE TO BUILDING CONSTRAINTS. WE ARE PROPOSING TO RELOCATE THE REQ. BUILDING LANDSCAPE AS ADDITIONAL LANDSCAPE TO THE SOUTH BUFFER TO MEET THIS REQ. SINCE IT WILL ALSO BE WITH-IN THE PUBLIC VIEW AREA.

Section & Title of Code (be specific) _____
Reason/Justification for Request (be specific): _____

Section & Title of Code (be specific) _____
Reason/Justification for Request (be specific): _____

Section & Title of Code (be specific) _____
Reason/Justification for Request (be specific): _____

Section & Title of Code (be specific) _____
Reason/Justification for Request (be specific): _____

July 3, 2024

Subject: Letter of Authorization/Letter of Proxy

Location: SW 95th Street @ SW 57th Avenue, Ocala, FL (Lot 10)

Parcel ID #: (Portion of) 35699-006-06

To Whom it May Concern:

We, Stephen Greene and Noel Nation, Successor Co-Trustees of the 358 Acre Land Trust dated February 4, 2004, and Todd B. Rudnianyn, Individually and as Trustee for the Sweeney 2, Sweeney 3N, Sweeney 3S, and Sweeney 4 Land Trust Agreement dated June 1, 2007, hereby designate and authorize **Palmetto Capital Group, LLC, Palmetto Ocala-Freedom Lot 10, LLC, Common Oak Engineering, LLC, Land Resource Consultants, LLC, & SGA Design Group** to act on behalf of Owner, as the authorized agent, applicant, and representative in the processing and furnishing of supplemental information in support of the building, land use/zoning, and site development permit applications to the governing entities for the subject project. Authorization is also hereby granted to access the subject site. The building, land use/zoning, & site development permit applications include, but are not limited to, those to be from the St Johns River Water Management District (SJRWMD), Florida Department of Environmental Protection (FDEP), Florida Fish and Wildlife Conservation Commission (FWC), & Marion County.

Owner: Stephen Greene and Noel Nation, Successor Co-Trustees of the 358 Acre Land Trust dated February 4, 2004, and Todd B. Rudnianyn, Individually and as Trustee for the Sweeney 2, Sweeney 3N, Sweeney 3S, and Sweeney 4 Land Trust Agreement dated June 1, 2007

Address: 2941 NE 3rd Ct #201

Phone: 352-239-1555

Email: todd.rud@gmail.com

Owner Signature & Date:

[Signature]
Signature

7/11/2024
Date

Todd Rudnianyn
Printed Name & Title

STATE OF Florida

COUNTY OF Marion

The foregoing instrument was acknowledged before me by means of physical presence or online notarization, this 7-11-2024 (date) by Todd Rudnianyn, who is personally known to me or who has produced _____ (type of identification) as identification.

[Signature] (Signature of person taking acknowledgment)

(Name typed, printed or stamped)





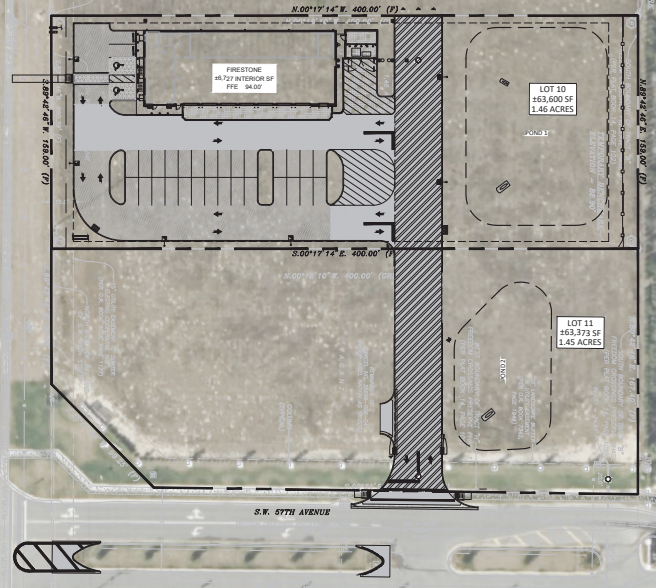
1 inch = 40 ft.
ELEVATIONS BASED ON
NAVD 88 VERTICAL DATUM
CONVERSION:
NGVD29 - NAVD88 1.001'

LEGEND

- CONCRETE
- HEAVY DUTY ASPHALT PAVEMENT
- STANDARD DUTY CONCRETE PAVEMENT
- HEAVY DUTY CONCRETE PAVEMENT
- CAIS ACCESS EASEMENT

NOTES:

1. ALL ASPHALT DIMENSIONS ARE TO FACE OF CURB, UNLESS NOTED OTHERWISE.
2. ALL RADII ARE 3' UNLESS OTHERWISE SPECIFIED.
3. BUILDING SETBACKS ARE TO CONCRETE CORNER OF BUILDING.
4. ALL AFFECTED SIDEWALKS, RAMPS AND CROSSWALKS, WILL BE BUILT AND INSPECTED TO MEET CURRENT ADA REQUIREMENTS.
5. CONTRACTOR SHALL FIELD VERIFY UTILITY POINT OF CONNECTIONS LOCATION, ELEVATION AND TYPE PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF RECORD OF ANY DISCREPANCIES BETWEEN THE PLANS AND EXISTING FACILITIES.
6. ALL DISTURBED AREAS TO BE SOILED AND RESTORED TO A CONDITION EQUAL TO OR BETTER THAN PRE-CONSTRUCTION CONDITION.
7. ALL IMPROVEMENTS ARE PARALLEL AND PERPENDICULAR TO SOUTHEAST (FRONT) PROPERTY LINE (BEARING N00°17'14"W) UNLESS OTHERWISE SHOWN.
8. ALL CONSTRUCTION IN THE FDOT ROW SHALL CONFORM TO THE LATEST EDITIONS OF THE FOOT DESIGN STANDARDS (INDEXES), THE FOOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AND THE FOOT UTILITY ACCOMMODATION MANUAL.
9. THE PAGES TITLED "GENERAL NOTES" AS LISTED ON THE COVER PAGE OF THIS SET OF CONSTRUCTION DOCUMENTS, SHALL APPLY TO ALL SHEETS HEREIN. THE GENERAL CONTRACTOR SHALL PROVIDE A COPY OF THE "GENERAL NOTES" SHEETS TO ALL BIDDERS AND SUBCONTRACTORS. THE SETBACK DISTANCE AT DRIVEWAYS COMPLIES WITH FOOT REQUIREMENTS.
10. MCU PERSONNEL ARE TO INSPECT ANY WORK PERFORMED ON OR AROUND EXISTING MCUI INFRASTRUCTURE. A PRE-CONSTRUCTION MEETING IS REQUIRED TO BE HELD A MINIMUM OF 48 HOURS PRIOR TO START OF ANY CONSTRUCTION. IF THE PRE-CONSTRUCTION MEETING IS NOT COMPLETED, ANY WORK MAY BE HALTED. TO SCHEDULE, CONTACT MCUI'S CONSTRUCTION OFFICER AT 352-307-6163.



SITE DATA TABLE

PROJECT DESCRIPTION			
THIS PROJECT CONSISTS OF AN AUTOMOTIVE RETAIL & SERVICE CENTER WITH ON-SITE PARKING AND ON-SITE STORMWATER POND.			
LOCATION & LAND USE			
TAX PARCEL #:	PORTION OF 38989-006-000 (38989-006-004)		
ZONING DISTRICT:	PUD		
FUTURE LAND USE:	CC - COMMUNITY COMMERCIAL		
ADJACENT ZONING / FILL:			
WEST (SIDE):	B-2 / COM		
NORTH (REAR):	PUD / SINGLE FAMILY RESIDENTIAL		
EAST (SIDE):	B-2 / COM		
SOUTH (FRONT):	PUD / COM		
DEVELOPMENT AGREEMENT: OR BOOK 7300, PAGES 347-384			
AREAS			
LOT 10 AREAS	PROPOSED (SF)	ACRES	PERCENT OF TOTAL PROPERTY AREA
LOT:	153,600	±1.46	100%
TOTAL IMPERVIOUS (80% MAX):	134,866	±0.80	54.82%
BUILDING FOOTPRINT:	148,760	±0.15	10.61%
PAVEMENT, LOADING & SIDEWALKS:	126,116	±0.85	44.21%
TOTAL PERVIOUS AREA:	126,734	±0.86	45.18%
FLOOR AREA RATIO (2.25 MAX):	±0.106		
OPEN SPACE (25% MIN):	45.18%		
LOT 11 AREAS	PROPOSED (SF)	ACRES	PERCENT OF TOTAL PROPERTY AREA
LOT:	163,373	±1.45	100%
TOTAL IMPERVIOUS (80% MAX):	±5,841	±0.13	9.22%
PAVEMENT, LOADING & SIDEWALKS:	±5,841	±0.13	9.22%
TOTAL PERVIOUS AREA:	±57,532	±1.32	90.78%
SETBACKS & BUFFERS			
BUILDING SETBACKS:			
	REQUIRED / PERMITTED	PROPOSED:	
WEST (SIDE):	10' (MIN)	58.1' (MIN FROM PROPERTY LINE)	
NORTH (REAR):	0' (MIN)	206.0' (MIN FROM PROPERTY LINE)	
EAST (SIDE):	0' (MIN)	10.3' (MIN FROM PROPERTY LINE)	
SOUTH (FRONT):	10' (MIN)	63.3' (MIN FROM PROPERTY LINE)	
LANDSCAPE BUFFERS:			
WEST (FRONT):	5' (MIN)	5' (FROM PROPERTY LINE)	
NORTH (SIDE):	20' (MIN)	20' (FROM PROPERTY LINE)	
EAST (REAR):	5' (MIN)	5' (FROM PROPERTY LINE)	
SOUTH (SIDE):	15' (MIN)	15' (FROM PROPERTY LINE)	
PARKING			
PARKING REQUIRED: TWO (2) SPACES PLUS FOUR (4) SPACES PER SERVICE BAY. ONE (1) SPACE PER TWO HUNDRED (200) SQUARE FEET OF GROSS LEASABLE AREA. ONE (1) HANDICAP PARKING STALL IS REQUIRED FOR UP TO TWENTY-FIVE (25) PARKING SPACES.			
PARKING CALCULATIONS: 5,270 / 200 = 26.4 27 REQUIRED STALLS			
PROPOSED PARKING STALLS: 30			
PROPOSED ADA STALLS: 2			
TOTAL: 32 SPACES			
FEMA			
FLOOD ZONE: X	FLOOD MAP #12060304E	EFFECTIVE APRIL 19, 2017	

BURIED UTILITIES NOTE
BASED UTILITIES ARE SHOWN AS SHOWN APPROXIMATE LOCATION BASED UPON RECORD DRAWINGS FROM ADJACENT PROPERTIES AND FIELD SURVEY. OTHER BURIED UTILITIES NOT SHOWN ON THE SUBJECT SITE MAY NOT BE SHOWN IN THIS DRAWING. USE COMMON SENSE DURING CONSTRUCTION. NO CONTACT DRIVING SHALL BE AT 1-800-452-4770 FOR EXACT LOCATION OF BURIED UTILITIES PRIOR TO CONSTRUCTION OPERATIONS.



CALL BEFORE YOU DIG...
1-800-452-4770
UTILITY PROTECTION CENTER
IT'S THE LAW

PALMETTO CAPITAL GROUP
1643 WILLIAMSBURG SQUARE
LAKELAND, FL 33803
PHONE: (863) 808-1520



COMMONMARK ENGINEERING
400 EQUUSWATER DRIVE
ORLANDO, FL 32804
LIC# 18165-REG-00000000000000000000
AUTHORIZATOR: 28844

BSRO FIRESTONE
STORE #180
STORE #180
NWC OF SW 98TH ST
&
SW 16th AVE
OCALA, FL 33476
MARION COUNTY

DATE	REVISION/ISSUE	BY	APP'D



ENGINEER'S NAME & P.E. LICENSE NO. FROM

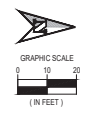
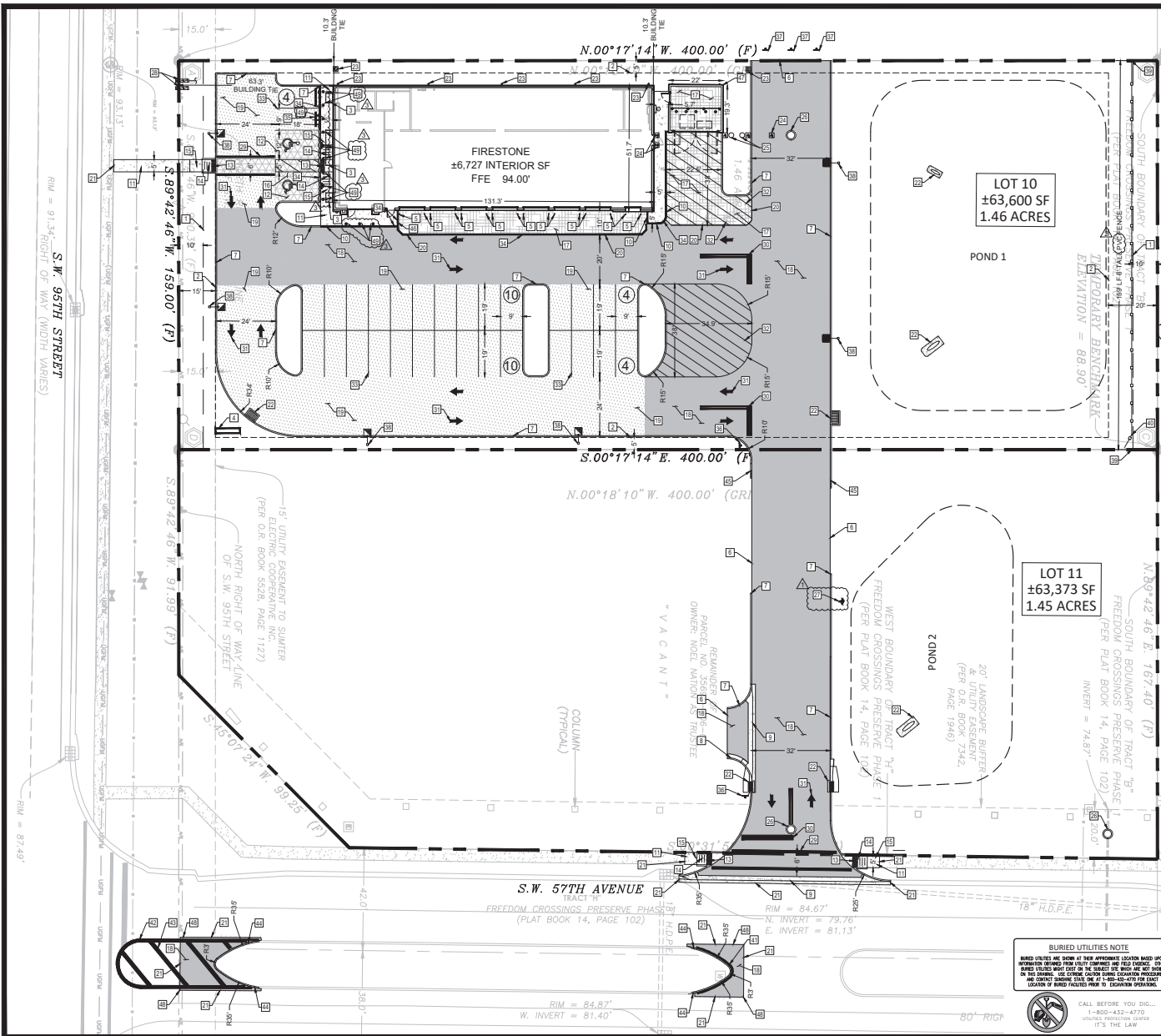
PROJECT # **224.059**

DATE **01/31/2025** SHEET **C1**

SCALE **1" = 40'** **OVERALL**

Jeremy R. Anderson, State of Florida, Professional Engineer, License No. 71636
This item has been digitally signed and sealed by Jeremy R. Anderson, P.E. 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.



1 inch = 20 ft.
 ELEVATIONS BASED ON
 NAVD 88 VERTICAL DATUM
 CONVERSION:
 NGVD03 - NAVD88 1.001'

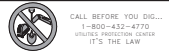
LEGEND

- CONCRETE
- HEAVY DUTY ASPHALT PAVEMENT
- STANDARD DUTY ASPHALT PAVEMENT
- STANDARD DUTY CONCRETE PAVEMENT
- HEAVY DUTY CONCRETE PAVEMENT

SITE PLAN NOTES

- 1 BUILDING SETBACK
- 2 LANDSCAPE BUFFER
- 3 AWNING (SEE ARCHITECTURAL PLANS)
- 4 PROPOSED SIGNAGE
- 5 4" DIAMETER BOLLARD (TYP.) DETAIL: 3 / C3
- 6 2" TYPE 'D' CURB (TYP.) DETAIL: (FDOT INDEX 520-001) / C8.2
- 7 TYPE 'D' CURB (TYP.) DETAIL: (FDOT INDEX 520-001) / C8.2
- 8 TYPE 'D' CURB (TYP.) DETAIL: (FDOT INDEX 520-001) / C8.2
- 9 CONCRETE VALLEY GUTTER DETAIL: (FDOT INDEX 520-001) / C8.2
- 10 MONOLITHIC CURB & SIDEWALK (TYP.) DETAIL: 9 / C8
- 11 CONCRETE SIDEWALK DETAIL: (FDOT INDEX 522-001) / C8.3
- 12 HANDICAP ACCESSIBLE PARKING, SIGNAGE & MARKINGS DETAIL: 11 / C8
- 13 DETECTABLE WARNING DETAIL: 7 / C8
- 14 HANDICAP ACCESSIBLE RAMP DETAIL: (FDOT INDEX 522-002) / C8.3
- 15 5' X 5' LANDING (MIN), SLOPE NOT TO EXCEED 2%
- 16 STANDARD DUTY CONCRETE PAVEMENT (TYP.) DETAIL: 2 / C8
- 17 HEAVY DUTY CONCRETE PAVEMENT (TYP.) DETAIL: 2 / C8
- 18 HEAVY DUTY ASPHALT PAVEMENT (TYP.) DETAIL: 7 / C8
- 19 STANDARD DUTY ASPHALT PAVEMENT (TYP.) DETAIL: 7 / C8
- 20 CONCRETE APRON DETAIL: 5 / C8
- 21 PROPOSED CURB/SIDEWALK PAVEMENT TO TRANSITION SMOOTHLY TO EXISTING ADJACENT SURFACE - CONTRACTOR TO VERIFY CONNECTION LOCATION AND ELEVATION OF EXISTING ADJACENT SURFACE.
- 22 STORM DRAINAGE STRUCTURE (TYP.) SEE SHEET C3 GRADING PLAN
- 23 ROOF DRAIN CLEANOUT (TYP.) SEE SHEET C3 GRADING PLAN
- 24 SANITARY SEWER CLEANOUT (TYP.) SEE SHEET C5 UTILITY PLAN
- 25 MANHOLE COVER TO GREASE TRAP. SEE SHEET C5
- 26 SANITARY SEWER MANHOLE. SEE SHEET C5
- 27 PROPOSED PUBLIC FIRE HYDRANT
- 28 WATER CONNECTION/RPMETER. SEE SHEET C5 UTILITY PLAN
- 29 ADA COMPLIANT CROSSWALK DETAIL: 13 / C8; FOOT INDEX 711-001 / C8.4
- 30 24" WHITE STOP BAR PAVEMENT MARKING DETAIL: 13 / C8
- 31 ON SITE DIRECTIONAL ARROW (TYP.) DETAIL: 3 / C8
- 32 6" WHITE PAINT GORE STRIPING
- 33 6" WHITE PAINT STRIPING (TYP.)
- 34 6" YELLOW CURB PAINT
- 35 STOP SIGN & POST DETAIL: 4 / C8
- 36 6" ONLY SIGN DETAIL: 5 / C8
- 37 SITE LIGHTING POLE. SEE PHOTOMETRIC PLAN
- 38 END OF ±159.0 LF OF 6" WHITE PVC FENCE
- 39 6" WIDE WHITE PVC GATE
- 40 6" WIDE SOLID YELLOW PAINT STRIPING DETAIL: (FDOT INDEX 711-001) / C8.4
- 41 6" WIDE DOUBLE SOLID YELLOW PAINT STRIPING DETAIL: (FDOT INDEX 711-001) / C8.4
- 42 18" WIDE YELLOW GORE STRIPING DETAIL: (FDOT INDEX 711-001) / C8.4
- 43 TYPE 'A' CURB (TYP.) DETAIL: (FDOT INDEX 520-001) / C8.2
- 44 VERTICAL CURB TAPER DETAIL: 14 / C8
- 45 FLUSH MONOLITHIC CURB & SIDEWALK DETAIL: 15 / C8
- 46 DAMPSTER ENCLOSURE DETAIL: 11 / C8
- 47 12" WIDE ASPHALT KEY DETAIL: 16 / C8
- 48 6" DIAMETER BOLLARD DETAIL: 17 / C8

BURIED UTILITIES NOTE
 BURIED UTILITIES ARE SHOWN AT THEIR APPROXIMATE LOCATION BASED UPON INFORMATION RECEIVED FROM THE UTILITY COMPANIES. THE EXACT LOCATION OF BURIED UTILITIES SHOULD BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF BURIED UTILITIES PRIOR TO CONSTRUCTION.



DATE: 01/31/2025
 SCALE: 1" = 20'
 SHEET: C.1.1
 PROJECT # 224.059
 ENGINEER'S NAME & FIRM: JERRY R. ANDERSON, P.E. & ASSOCIATES, INC.
 400 E. WINTER DRIVE, SUITE 100, LAKELAND, FL 33803, PHONE: (863) 808-1520

PALMETTO CAPITAL GROUP
 1643 WILLIAMSBURG SQUARE
 LAKELAND, FL 33803
 PHONE: (863) 808-1520

COMMON

COMMON GAK ENGINEERING
 400 E. WINTER DRIVE
 SUITE 100
 LAKELAND, FL 33803
 AUTHORIZATION: 35844

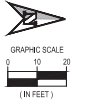
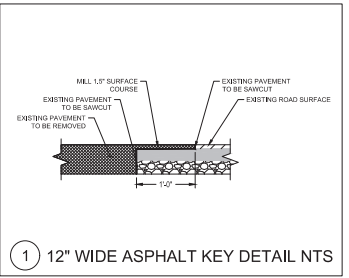
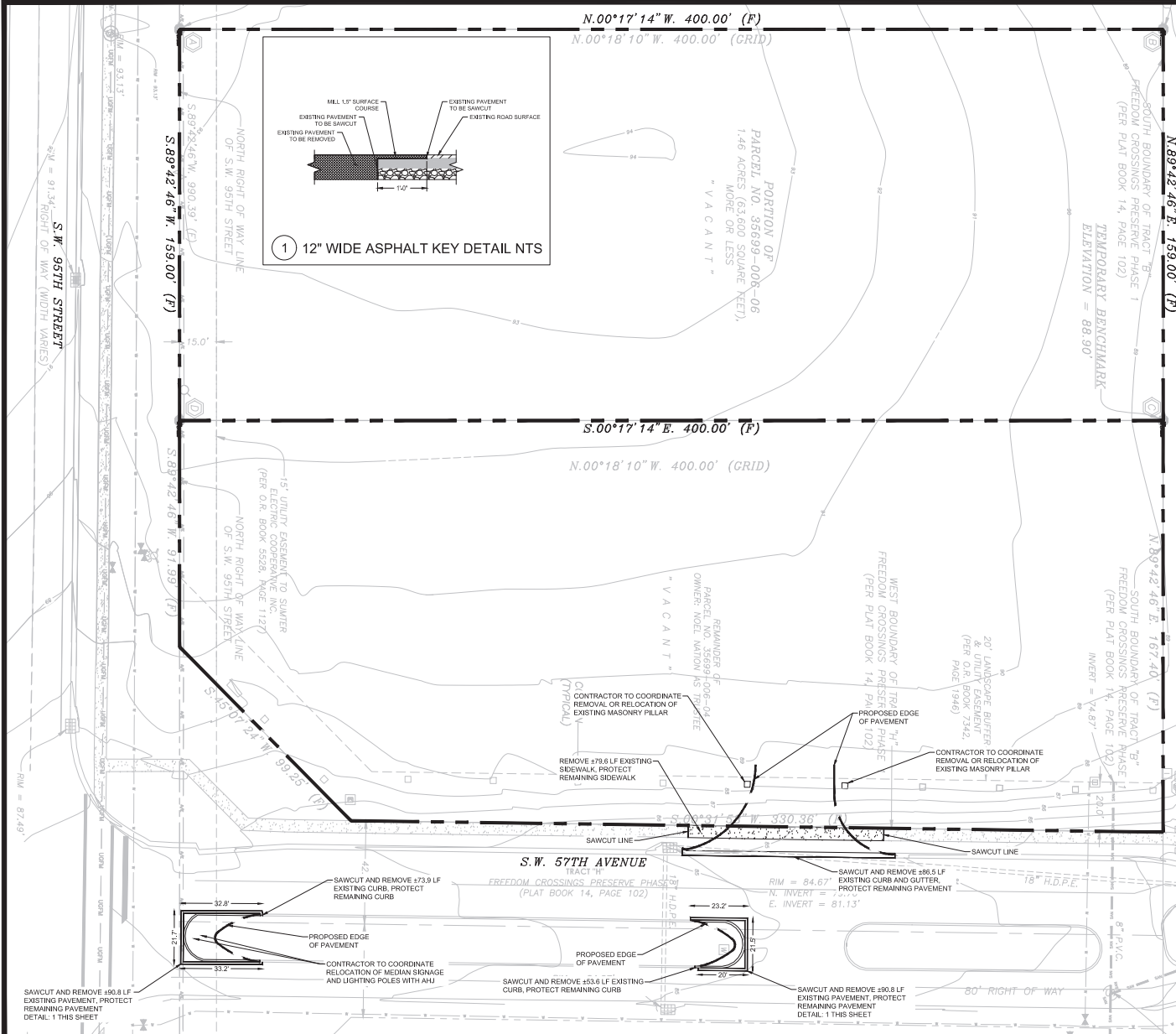
BSRO FIRESTONE
 MAJOR SITE PLAN
 STORE #180
 1515 S.W. 95TH ST
 & SW 6TH AVE
 Ocala, FL 32676
 MADON COUNTY

NO.	DATE	REVISION/ISSUE	MARKED COUNTY COMMENTS	UNMARKED COUNTY COMMENTS	CLIENT COMMENTS
1	01/31/2025	ISSUED FOR PERMITS			

ENGINEER'S NAME & FIRM: JERRY R. ANDERSON, P.E. & ASSOCIATES, INC.
 LICENSE NO. 71636

DATE: 01/31/2025
 SCALE: 1" = 20'
 SHEET: C.1.1

SITE PLAN



1 inch = 20 ft.
ELEVATIONS BASED ON NAVD 88 VERTICAL DATUM
CONVERSION:
NGVD83 - NAVD88 = 1.001'

1 CROSSINGS PRESERVE PHASE 1
FREEDOM CROSSINGS PRESERVE PHASE 1
(PLAT BOOK 14, PAGE 102)

50' BUFFER (SEE PLAN)
50' BUFFER (SEE PLAN)

PALMETTO CAPITAL GROUP
1643 WILLIAMSBURG SQUARE
LAKELAND, FL 33803
PHONE: (863) 806-1520



COMMON OAK ENGINEERING
4005 BISHOP DRIVE
ORLANDO, FL 32804
TEL: (407) 222-1111
AUTHORIZOR: 28844

**BSRO FIRESTONE
MAJOR SITE PLAN**
STORE #1180
N.W.C. OF SW 95TH ST
&
SW 14th AVE
OCALA, FL 33476
MARION COUNTY

BURIED UTILITIES NOTE
BURIED UTILITIES ARE SHOWN AT THEIR APPROXIMATE LOCATIONS BASED UPON
RECORD DRAWINGS FROM PREVIOUS CONSTRUCTION. CONTRACTOR SHALL VERIFY
LOCATIONS AND DEPTHS OF ALL UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR
SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES. CONTRACTOR
SHALL NOTIFY THE UTILITY OWNERS PRIOR TO ANY EXCAVATION. CONTRACTOR
SHALL VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION.
CALL BEFORE YOU DIG!
1-800-4-A-DIG
WWW.CALLBEFOREYODIG.COM

NOTE: ALL DISTURBED AREAS TO BE SODED AND RESTORED TO A
CONDITION EQUAL TO OR BETTER THAN PRE-CONSTRUCTION
CONDITION.

NOTE TO GENERAL CONTRACTORS:
CONTRACTOR TO REFER TO THE WORK SHOWN HEREIN
WITH THE WORK SHOWN ON THE REMAINDER OF THESE
CONSTRUCTION DOCUMENTS. IF ANY DISCREPANCIES BETWEEN THE
WORK SHOWN ON THIS AND OTHER PAGES IS FOUND, OR IF THE
CONTRACTOR HAS ANY QUESTIONS OF ANY KIND, CONTRACTOR SHALL
NOTIFY ENGINEER IN WRITING PRIOR TO THE PERFORMANCE OF ANY
WORK.

NOTE: THE PAGES TITLED "GENERAL NOTES", AS LISTED ON THE
COVER PAGE OF THIS SET OF CONSTRUCTION DOCUMENTS, SHALL
APPLY TO ALL SHEETS HEREIN. THE GENERAL CONTRACTOR SHALL
PROVIDE A COPY OF THE "GENERAL NOTES" SHEETS TO ALL BIDDERS
AND SUBCONTRACTORS.

Jeremy R. Anderson, State of Florida, Professional Engineer, License No. 71636
This item has been digitally signed and sealed by Jeremy R. Anderson, PE, on
the date indicated here.

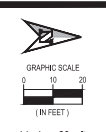
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signature must be verified on any electronic copies.

NO.	DATE	REVISION/ISSUE

ENGINEER'S NAME & SEAL

PROJECT # **224 059**

DATE 01/31/2025
SHEET C2
SCALE 1" = 20'
DEMO PLAN



1 inch = 20 ft.
ELEVATIONS BASED ON
NAVD 88 VERTICAL DATUM
CONVERSION
NGVD29 - NAVD88 = 1.001'

S.W. 95TH STREET
S. 89° 42' 46" W. 159.00' (P)
S. 89° 42' 46" W. 99.00' (P)

N. 00° 17' 14" W. 400.00' (P)
N. 00° 17' 14" E. 400.00' (P)

N. 00° 18' 10" W. 400.00' (GRID)
S. 89° 42' 46" E. 167.40' (P)

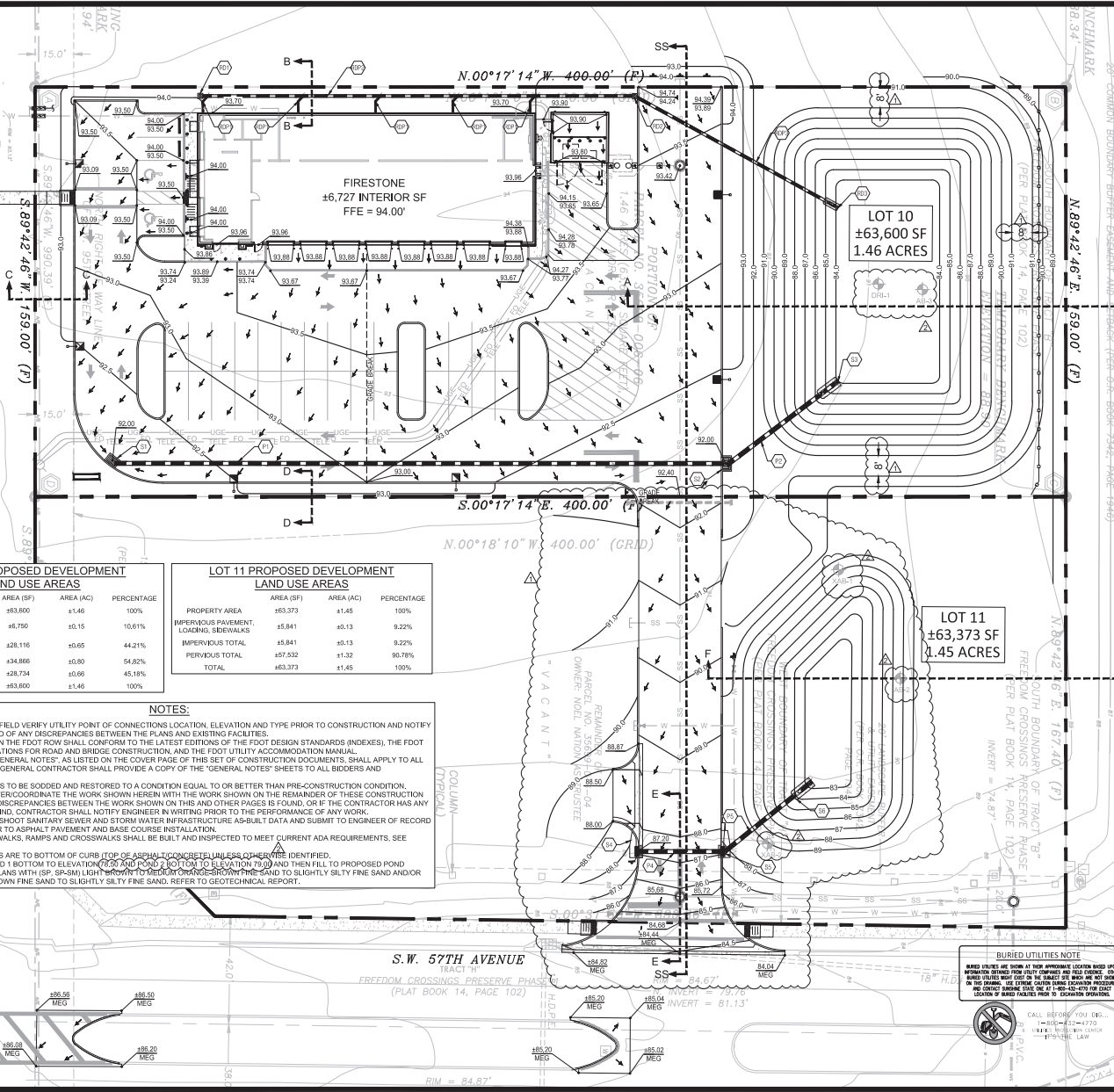
S.W. 57TH AVENUE
REACT 11
FREEDOM CROSSINGS PRESERVE PHASE II
(PLAT BOOK 14, PAGE 102)

LOT 10 PROPOSED DEVELOPMENT
LAND USE AREAS

	AREA (SF)	AREA (AC)	PERCENTAGE
PROPERTY AREA	±63,600	±1.46	100%
BUILDING FOOTPRINT AREA	±6,750	±0.15	10.61%
IMPERVIOUS PAVEMENT, LOADING, SIDEWALKS	±28,116	±0.65	44.21%
IMPERVIOUS TOTAL	±34,866	±0.80	54.82%
PERVIOUS TOTAL	±28,734	±0.66	45.18%
TOTAL	±63,600	±1.46	100%

	AREA (SF)	AREA (AC)	PERCENTAGE
PROPERTY AREA	±63,373	±1.45	100%
IMPERVIOUS PAVEMENT, LOADING, SIDEWALKS	±5,841	±0.13	9.22%
IMPERVIOUS TOTAL	±5,841	±0.13	9.22%
PERVIOUS TOTAL	±57,532	±1.32	90.78%
TOTAL	±63,373	±1.45	100%

NOTES:
1. CONTRACTOR SHALL FIELD VERIFY UTILITY POINT OF CONNECTIONS LOCATION, ELEVATION AND TYPE PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF RECORD OF ANY DISCREPANCIES BETWEEN THE PLANS AND EXISTING FACILITIES.
2. ALL CONSTRUCTION IN THE FOOT ROW SHALL CONFORM TO THE LATEST EDITIONS OF THE FOOT DESIGN STANDARDS (INDEXES), THE FOOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AND THE FOOT UTILITY ACCOMMODATION MANUAL.
3. THE PAGES TITLED "GENERAL NOTES" AS LISTED ON THE COVER PAGE OF THIS SET OF CONSTRUCTION DOCUMENTS, SHALL APPLY TO ALL SHEETS HEREIN. THE GENERAL CONTRACTOR SHALL PROVIDE A COPY OF THE "GENERAL NOTES" SHEETS TO ALL BIDDERS AND SUBCONTRACTORS.
4. ALL DISTURBED AREAS TO BE SOEDED AND RESTORED TO A CONDITION EQUAL TO OR BETTER THAN PRE-CONSTRUCTION CONDITION.
5. CONTRACTOR TO REFER/COORDINATE THE WORK SHOWN HEREIN WITH THE WORK SHOWN ON THE REMAINDER OF THESE CONSTRUCTION DOCUMENTS. IF ANY DISCREPANCIES BETWEEN THE WORK SHOWN ON THIS AND OTHER PAGES IS FOUND, OR IF THE CONTRACTOR HAS ANY QUESTIONS OF ANY KIND, CONTRACTOR SHALL NOTIFY ENGINEER IN WRITING PRIOR TO THE PERFORMANCE OF ANY WORK.
6. CONTRACTOR SHALL SHOOT SANITARY SEWER AND STORM WATER INFRASTRUCTURE AS-BUILT DATA AND SUBMIT TO ENGINEER OF RECORD FOR APPROVAL PRIOR TO ASPHALT PAVEMENT AND BASE COURSE INSTALLATION.
7. ALL PROPOSED SIDEWALKS, RAMPS AND CROSSWALKS SHALL BE BUILT AND INSPECTED TO MEET CURRENT ADA REQUIREMENTS. SEE "GENERAL NOTES".
8. ALL SPOT ELEVATIONS ARE TO BOTTOM OF CURB (TOP OF ASPHALT CONCRETE UNLESS OTHERWISE IDENTIFIED).
9. OVER EXCAVATE POND 1 BOTTOM TO ELEVATION 82.00 AND POND 2 BOTTOM TO ELEVATION 78.00 AND THEN FILL TO PROPOSED POND BOTTOM SHOWN IN PLANS WITH (SP - SP-SM) LIGHT BROWN TO MEDIUM ORANGE-BROWN FINE SAND TO SLIGHTLY SILTY FINE SAND AND/OR (SP-SM) GRAY-GREEN FINE SAND TO SLIGHTLY SILTY FINE SAND. REFER TO GEOTECHNICAL REPORT.



BURIED UTILITIES NOTE
FIELD VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION. OTHER UTILITIES NOT SHOWN ON THESE PLANS ARE THE RESPONSIBILITY OF THE CONTRACTOR. NO CONTACT SHALL BE MADE WITH ANY UTILITIES UNLESS THE LOCATION AND DEPTH HAS BEEN FIELD VERIFIED BY THE CONTRACTOR.

GRADING PLAN KEYNOTES

- RD1 ROOF DRAIN NO. 1
DRAINAGE CLEAN OUT
INVERT (PROPOSED 12" ADS N-12 PIPE) = 91.64'
DETAIL: 21 C/9
- RD0P1 ROOF DRAIN PIPE
DRAINAGE CLEAN OUT
DOWNSPOUT TO RD0P2
±6.9 LF OF 8" ADS-N12 PIPE AT 0.33% SLOPE
DETAIL: UT102, UT103, UT104 / C/9
"CONTRACTOR TO COORDINATE ROOF DRAIN LOCATIONS WITH ARCHITECTURAL PLANS AND NOTIFY ENGINEER OF ANY CONFLICTS"
- RD0P2 ROOF DRAIN PIPE
RD1 TO RD2
±168.6 LF OF 12" ADS-N12 PIPE AT 0.33% SLOPE
DETAIL: UT102, UT103, UT104 / C/9
- RD2 ROOF DRAIN NO. 2
DRAINAGE CLEAN OUT
RD0P2 INVERT (PROPOSED 12" ADS N-12 PIPE) = 91.08'
RD0P3 INVERT (PROPOSED 12" ADS N-12 PIPE) = 84.30'
DETAIL: 6 C/9
- RD0P3 ROOF DRAIN PIPE
RD2 TO RD3
±90.0 LF OF 12" ADS-N12 PIPE AT 0.33% SLOPE
DETAIL: UT102, UT103, UT104 / C/9
- RD3 ROOF DRAIN NO. 3
CONCRETE MITERED END SECTION
P3 INVERT (PROPOSED 12" ADS N-12) = 84.00'
DETAIL: 3 C/9
- S1 STRUCTURE NO. 1
TYPE "F" INLET (TOG = 92.00', BOT=87.00')
P1 INVERT (PROPOSED 18" ADS N-12 PIPE) = 88.00'
DETAIL: 1 C/9, (FDOOT INDEX 425-053) / C/9.1
- P1 S1 TO S2
±27.9 LF OF 18" ADS-N12 PIPE AT 0.33% SLOPE
DETAIL: UT102, UT103, UT104 / C/9
- S2 STRUCTURE NO. 2
TYPE "F" INLET (TOG = 92.00', BOT=85.68')
P1 INVERT (PROPOSED 18" ADS N-12 PIPE) = 87.21'
P2 INVERT (PROPOSED 18" ADS N-12 PIPE) = 86.68'
DETAIL: 1 C/9, (FDOOT INDEX 425-053) / C/9.1
- P2 S2 TO S3
±54.0 LF OF 18" ADS-N12 PIPE AT 4.96% SLOPE
DETAIL: UT102, UT103, UT104 / C/9
- S3 STRUCTURE NO. 3
CONCRETE MITERED END SECTION
P2 INVERT (PROPOSED 18" ADS N-12) = 84.00'
DETAIL: 3 C/9
- S4 STRUCTURE NO. 4
TYPE "S" CURB INLET TOP W/ TYPE "P" ALTERNATE "A" Ø3.5"
STRUCTURE BOTTOM (TOG = 87.20', BOT=81.20')
P4 INVERT (PROPOSED 18" ADS N-12) = 82.40'
DETAIL: 1 C/9, (FDOOT INDEX 425-010 & 425-021) / C/9.1
- P4 S4 TO S5
±32 LF OF 18" ADS-N12 PIPE AT 0.63% SLOPE
DETAIL: UT102, UT103, UT104 / C/9
- S5 STRUCTURE NO. 5
TYPE "S" CURB INLET TOP W/ TYPE "P" ALTERNATE "A" Ø3.5"
STRUCTURE BOTTOM (TOG = 87.20', BOT=81.20')
P4 & P5 INVERT (PROPOSED 18" ADS N-12 PIPE) = 82.20'
DETAIL: 1 C/9, (FDOOT INDEX 425-010 & 425-021) / C/9.1
- P5 S5 TO S6
±43.5 LF OF 18" ADS-N12 PIPE AT 0.46% SLOPE
DETAIL: UT102, UT103, UT104 / C/9
- S6 STRUCTURE NO. 6
CONCRETE MITERED END SECTION
P5 INVERT (PROPOSED 18" ADS N-12) = 82.00'
DETAIL: 3 C/9

PROFILE INDEX

PROFILE ID	SHEET
A-A	C9.3
B-B	C9.3
C-C	C9.3
D-D	C9.3
E-E	C9.3
F-F	C9.3

ENGINEER'S NAME & SEAL
JERRY R. ANDERSON, P.E.
FL LICENSE NO. 71636

PROJECT # 224.059
DATE 01/31/2025
SCALE 1" = 20'
SHEET C3
GRADING PLAN

COMMON DARK
PALMETTO CAPITAL GROUP
1643 WILLIAMSBURG SQUARE
LAKELAND, FL 33803
PHONE: (863) 806-1520



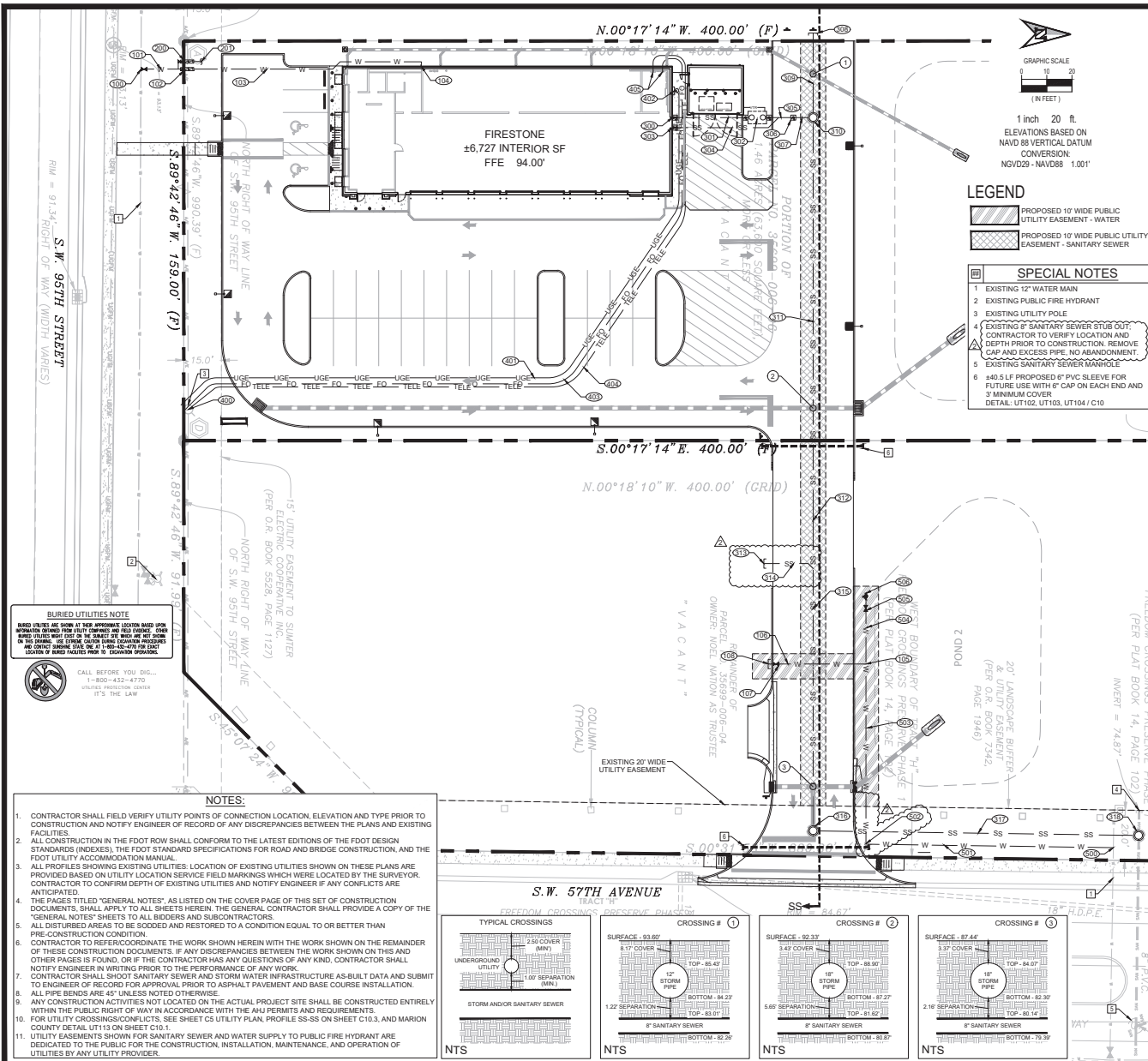
COMMON DARK ENGINEERING
4001 UNIVERSITY BLVD
DUNEDIN, FL 33514
813-255-8888
AUTHORITATIVE: 32844

BSRO FIRESTONE
MAJOR SITE PLAN
STORE #18B
NWC OF SW 95TH ST
&
SW 1/4 AVE
MADISON COUNTY

DATE: 01/31/2025
DESIGNER: JERRY R. ANDERSON
CHECKER: JERRY R. ANDERSON
DATE: 01/31/2025

DATE: 01/31/2025
DESIGNER: JERRY R. ANDERSON
CHECKER: JERRY R. ANDERSON
DATE: 01/31/2025

DATE: 01/31/2025
DESIGNER: JERRY R. ANDERSON
CHECKER: JERRY R. ANDERSON
DATE: 01/31/2025



- ### UTILITY PLAN KEYNOTES
- WATER SERVICE CONNECTION**
- 100 CONNECT PROPOSED 2" PVC WATER LINE TO EXISTING 12" WATER MAIN WITH APPROVED PUBLIC FIRE HYDRANT. CONTRACTOR SHALL VERIFY THE LOCATION & DEPTH OF EXISTING WATER MAIN BEFORE START OF CONSTRUCTION. REPORT TO ENGINEER IF ANY CONFLICT EXISTS. DETAIL: UT116A, UT116B, UT201 / C10.1
 - 101 1/8" LF OF 2" PVC WATER SERVICE LINE. DETAIL: UT102, UT103, UT104 / C10
 - 102 1" WATER METER AND 1" RPZ ASSEMBLY. DETAIL: UT209 / C10.1
 - 103 END OF MARION COUNTY MAINTENANCE AT METER
 - 104 496.1 LF OF 1/2" TYPE "K" COPPER WATER SERVICE LINE TO BUILDING. DETAIL: UT102, UT103, UT104 / C10
 - 104 CONNECT WATER LINE TO STUB-OUT LOCATION FROM BUILDING. CONTRACTOR SHALL COORDINATE CONNECTION WITH ARCHITECTURAL PLANS FOR LOCATION AND DEPTH OF PROPOSED CONNECTION. REPORT TO ENGINEER IF ANY CONFLICT EXISTS.
 - 105 6"x2" TEE
 - 106 438.8 LF OF 2" PVC WATER SERVICE LINE TO STUB-OUT. DETAIL: UT102, UT103, UT104 / C10
 - 107 2" GATE VALVE WITH TRAFFIC RATED COVER
 - 108 2" PVC CAP FOR FUTURE USE
- IRRIGATION CONNECTION**
- 200 1" WATER METER WITH 2" X 1" REDUCER, 1" WATER METER BOX AND 1" RPZ ASSEMBLY. DETAIL: UT209 / C10.1
 - 201 CONTRACTOR SHALL COORDINATE CONNECTION WITH ARCHITECTURAL PLANS FOR LOCATION AND DEPTH OF PROPOSED CONNECTION. REPORT TO ENGINEER IF ANY CONFLICT EXISTS. DETAIL: 2 / C10
 - 201 SEE SHEET C7.1 FOR REMAINING IRRIGATION SYSTEM
- SANITARY SEWER**
- 300 CONNECT TO STUB OUT AT BUILDING WITH 6" TWO-WAY CLEANOUT INV. 90.00'. CONTRACTOR SHALL COORDINATE CONNECTION WITH ARCHITECTURAL PLANS FOR LOCATION AND DEPTH OF PROPOSED CONNECTION. REPORT TO ENGINEER IF ANY CONFLICT EXISTS. DETAIL: 2 / C10
 - 301 430.0 LF OF 6" PVC SANITARY SEWER SLOPED AT 1.0%. DETAIL: UT102, UT103, UT104 / C10
 - 302 750 GALLON OIL/WATER SEPARATOR 6" INFLUENT INV. 89.70', 6" EFFLUENT INV. 89.49'. DETAIL: UT300, UT301, 4 / C10.2
 - 303 CONNECT TO STUB OUT AT BUILDING WITH 6" TWO-WAY CLEANOUT INV. 89.88'. CONTRACTOR SHALL COORDINATE CONNECTION WITH ARCHITECTURAL PLANS FOR LOCATION AND DEPTH OF PROPOSED CONNECTION. REPORT TO ENGINEER IF ANY CONFLICT EXISTS. DETAIL: 2 / C10
 - 304 443.9 LF OF 6" PVC SANITARY SEWER SLOPED AT 1.0%. DETAIL: UT102, UT103, UT104 / C10
 - 305 415.7 LF OF 6" PVC SANITARY SEWER SLOPED AT 1.0%. DETAIL: UT102, UT103, UT104 / C10
 - 306 6" DROP CLEANOUT, HIGH INV. 89.38', LOW INV. 89.38'. DETAIL: 4 / C10.2
 - 307 45.9 LF OF 6" PVC SANITARY SEWER SLOPED AT 1.0%. DETAIL: UT102, UT103, UT104 / C10
 - 308 6" CAP FOR FUTURE USE. INV. 80.52
 - 309 431.6 LF OF 6" PVC SANITARY SEWER SLOPED AT 1.0%. DETAIL: UT102, UT103, UT104 / C10
 - 310 MANHOLE WITH OUTSIDE DROP CONNECTION. INV. 88.54'. (CONDUIT TO BE LINED AS US COMPOSITE RING AND COVER). (PER PLAT BOOK 14, PAGE 102). DETAIL: UT302, UT303, UT306, UT309 / C10.2
 - 311 416.3 LF OF 6" PVC SANITARY SEWER SLOPED AT 1.0%. DETAIL: UT102, UT103, UT104 / C10
 - 312 WYE LATERAL INV. 78.80'. DETAIL: UT312 / C10.2
 - 313 6" CAP. INV. 80.79'. DETAIL: 1 & UT109 / C10
 - 314 420.4 LF OF 6" PVC SANITARY SEWER SLOPED AT 1.0%. DETAIL: UT102, UT103, UT104 / C10
 - 315 410.1 LF OF 6" PVC SANITARY SEWER SLOPED AT 1.0%. DETAIL: UT102, UT103, UT104 / C10
 - 316 MANHOLE. INV. 87.37'. WEST INV. 79.21', NORTH INV. 79.11'. DETAIL: UT302, UT303, UT306, UT309 / C10.2
 - 317 412.5 LF OF 6" PVC SANITARY SEWER SLOPED AT 1.5%. DETAIL: UT102, UT103, UT104 / C10
 - 318 MANHOLE WITH OUTSIDE DROP CONNECTION. INV. 88.54'. (CONDUIT TO BE LINED AS US COMPOSITE RING AND COVER). (PER PLAT BOOK 14, PAGE 102). DETAIL: UT302, UT303, UT306, UT309 / C10.2
 - 319 412.5 LF OF 6" PVC SANITARY SEWER SLOPED AT 1.5%. DETAIL: UT102, UT103, UT104 / C10
- ELECTRIC AND COMMUNICATIONS**
- COORDINATE ELECTRIC AND TELEPHONE SERVICE CONNECTIONS WITH APPROPRIATE SERVICE PROVIDERS. REFER TO ARCHITECTURAL DRAWINGS FOR SPECIFIC CONNECTION LOCATIONS AND REQUIREMENTS.
- 400 PROPOSED APPROXIMATE ELECTRIC, TELEPHONE, AND DATA SERVICE CONNECTION POINTS. ELECTRIC TO CONNECT TO POLE MOUNTED TRANSFORMER. CONTRACTOR TO VERIFY LOCATION OF SERVICE CONNECTION POINTS BEFORE CONSTRUCTION.
 - 401 428.4 LF OF 2" UNDERGROUND ELECTRIC FROM SERVICE CONNECTION POINT TO BUILDING
 - 402 APPROXIMATE ELECTRIC SERVICE CONNECTION TO BUILDING. CONTRACTOR SHALL COORDINATE CONNECTION WITH ARCHITECTURAL PLANS FOR LOCATION AND DEPTH OF PROPOSED CONNECTION. REPORT TO ENGINEER IF ANY CONFLICT EXISTS.
 - 403 430.1 LF OF 2" UNDERGROUND CONDUIT FROM DATA SERVICE CONNECTION POINT TO BUILDING
 - 404 431.7 LF OF 2" UNDERGROUND CONDUIT FROM TELEPHONE SERVICE CONNECTION POINT TO BUILDING
 - 405 APPROXIMATE TELEPHONE AND DATA SERVICE CONNECTION TO BUILDING. CONTRACTOR SHALL COORDINATE CONNECTION WITH ARCHITECTURAL PLANS FOR LOCATION AND DEPTH OF PROPOSED CONNECTION. REPORT TO ENGINEER IF ANY CONFLICT EXISTS.
- FIRE SERVICE CONNECTION**
- 500 CONNECT PROPOSED 8" WATER LINE TO EXISTING 12" WATER MAIN. REMOVE CAP AND INSTALL 90° BEND. CONTRACTOR SHALL VERIFY THE LOCATION & DEPTH OF EXISTING WATER MAIN BEFORE START OF CONSTRUCTION. REPORT TO ENGINEER IF ANY CONFLICT EXISTS. DETAIL: UT116A, UT116B, UT201 / C10.1
 - 501 498.4 LF OF 6" RESTRAINED C900 DR-18 PVC WATER SERVICE LINE. DETAIL: UT102, UT103, UT104 / C10 & UT116A, UT116B, UT201 / C10.1
 - 502 6" 90° RESTRAINED BEND. DETAIL: UT102, UT103, UT104 / C10 & UT116A, UT116B, UT201 / C10.1
 - 503 473.3 LF OF 6" RESTRAINED C900 DR-18 PVC WATER SERVICE LINE. DETAIL: UT102, UT103, UT104 / C10 & UT116A, UT116B, UT201 / C10.1
 - 504 432.2 LF OF 6" RESTRAINED C900 DR-18 PVC WATER SERVICE LINE. DETAIL: UT102, UT103, UT104 / C10 & UT116A, UT116B, UT201 / C10.1
 - 505 6" GATE VALVE. DETAIL: UT204 / C10.1
 - 506 PROPOSED PUBLIC FIRE HYDRANT W/ RED PAINT. DETAIL: UT210 / C10.1

LEGEND

- PROPOSED 10' WIDE PUBLIC UTILITY EASEMENT - WATER
- PROPOSED 10' WIDE PUBLIC UTILITY EASEMENT - SANITARY SEWER

SPECIAL NOTES

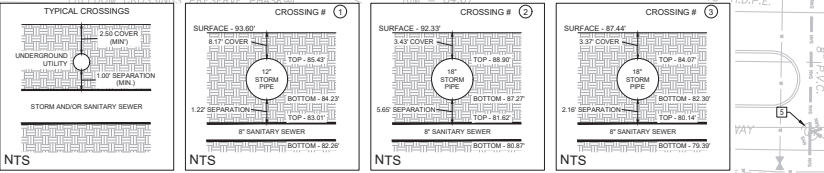
- EXISTING 12" WATER MAIN
- EXISTING PUBLIC FIRE HYDRANT
- EXISTING UTILITY POLE
- EXISTING 6" SANITARY SEWER STUB OUT. CONTRACTOR TO VERIFY LOCATION AND DEPTH PRIOR TO CONSTRUCTION. REMOVE CAP AND EXCESS PIPE. NO ABANDONMENT.
- EXISTING SANITARY SEWER MANHOLE
- 440.5 LF PROPOSED 6" PVC SLEEVE FOR FUTURE USE WITH 6" CAP ON EACH END AND 5" MINIMUM COVER. DETAIL: UT102, UT103, UT104 / C10

BURIED UTILITIES NOTE

ALL UTILITIES ARE SHOWN AT THEIR APPROXIMATE LOCATION BASED UPON RECORD DRAWINGS AND FIELD SURVEY. CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES BEFORE CONSTRUCTION. IF ANY DISCREPANCIES ARE FOUND, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY. THE LOCATION OF BURIED UTILITIES FROM TO BE DETERMINED BY FIELD SURVEY.

CALL BEFORE YOU DIG...
1-800-432-4770
OR FLORIDA: 1-800-432-4770
IT'S THE LAW

- NOTES:**
- CONTRACTOR SHALL FIELD VERIFY UTILITY POINTS OF CONNECTION LOCATION, ELEVATION AND TYPE PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF RECORD OF ANY DISCREPANCIES BETWEEN THE PLANS AND EXISTING FACILITIES.
 - ALL CONSTRUCTION IN THE FOOT RIGHT SHALL CONFORM TO THE LATEST EDITIONS OF THE FOOT DESIGN STANDARDS (INDEXED) THE FOOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AND THE FOOT UTILITY ACCOMMODATION MANUAL.
 - ALL PROFILES SHOWING EXISTING UTILITIES: LOCATION OF EXISTING UTILITIES SHOWN ON THESE PLANS ARE PROVIDED BASED ON UTILITY LOCATION SERVICE FIELD MARKINGS WHICH WERE LOCATED BY THE SURVEYOR. CONTRACTOR TO CONFIRM DEPTH OF EXISTING UTILITIES AND NOTIFY ENGINEER IF ANY CONFLICTS ARE ANTICIPATED.
 - THE PAGES TITLED "GENERAL NOTES," AS LISTED ON THE COVER PAGE OF THIS SET OF CONSTRUCTION DOCUMENTS, SHALL APPLY TO ALL SHEETS HEREIN. THE GENERAL CONTRACTOR SHALL PROVIDE A COPY OF THE "GENERAL NOTES" SHEETS TO ALL BIDDERS AND SUBCONTRACTORS.
 - ALL DISTURBED AREAS TO BE SODDED AND RESTORED TO A CONDITION EQUAL TO OR BETTER THAN PRE-CONSTRUCTION CONDITION.
 - CONTRACTOR TO REFER/COORDINATE THE WORK SHOWN HEREIN WITH THE WORK SHOWN ON THE REMAINDER OF THESE CONSTRUCTION DOCUMENTS. IF ANY DISCREPANCIES BETWEEN THE WORK SHOWN ON THIS AND OTHER PAGES IS FOUND, OR IF THE CONTRACTOR HAS ANY QUESTIONS OF ANY KIND, CONTRACTOR SHALL NOTIFY ENGINEER IN WRITING PRIOR TO THE PERFORMANCE OF ANY WORK.
 - CONTRACTOR SHALL SHOOT SANITARY SEWER AND STORM WATER INFRASTRUCTURE AS-BUILT DATA AND SUBMIT TO ENGINEER OF RECORD FOR APPROVAL PRIOR TO ASPHALT PAVEMENT AND BASE COURSE INSTALLATION. ALL PIPE BENDS ARE 45° UNLESS NOTED OTHERWISE.
 - ANY CONSTRUCTION ACTIVITIES NOT LOCATED ON THE ACTUAL PROJECT SITE SHALL BE CONSTRUCTED ENTIRELY WITHIN THE PUBLIC RIGHT OF WAY IN ACCORDANCE WITH THE AHP PERMITS AND REQUIREMENTS.
 - FOR UTILITY CROSSINGS/CONFLICTS, SEE SHEET CS UTILITY PLAN, PROFILE SS-SS ON SHEET C10.3, AND MARION COUNTY DETAIL UT113 ON SHEET C10.1
 - UTILITY EASEMENTS SHOWN FOR SANITARY SEWER AND WATER SUPPLY TO PUBLIC FIRE HYDRANT ARE DEDICATED TO THE PUBLIC FOR THE CONSTRUCTION, INSTALLATION, MAINTENANCE, AND OPERATION OF UTILITIES BY ANY UTILITY PROVIDER.



PALMETTO CAPITAL GROUP
1643 WILLIAMSBURG SQUARE
LAKELAND, FL 33803
PHONE: (863) 806-1520



COMMON OAK ENGINEERING
400 LEGNATION DRIVE
ORLANDO, FL 32804
407-86-9826
AUTHORIZATION: 28844

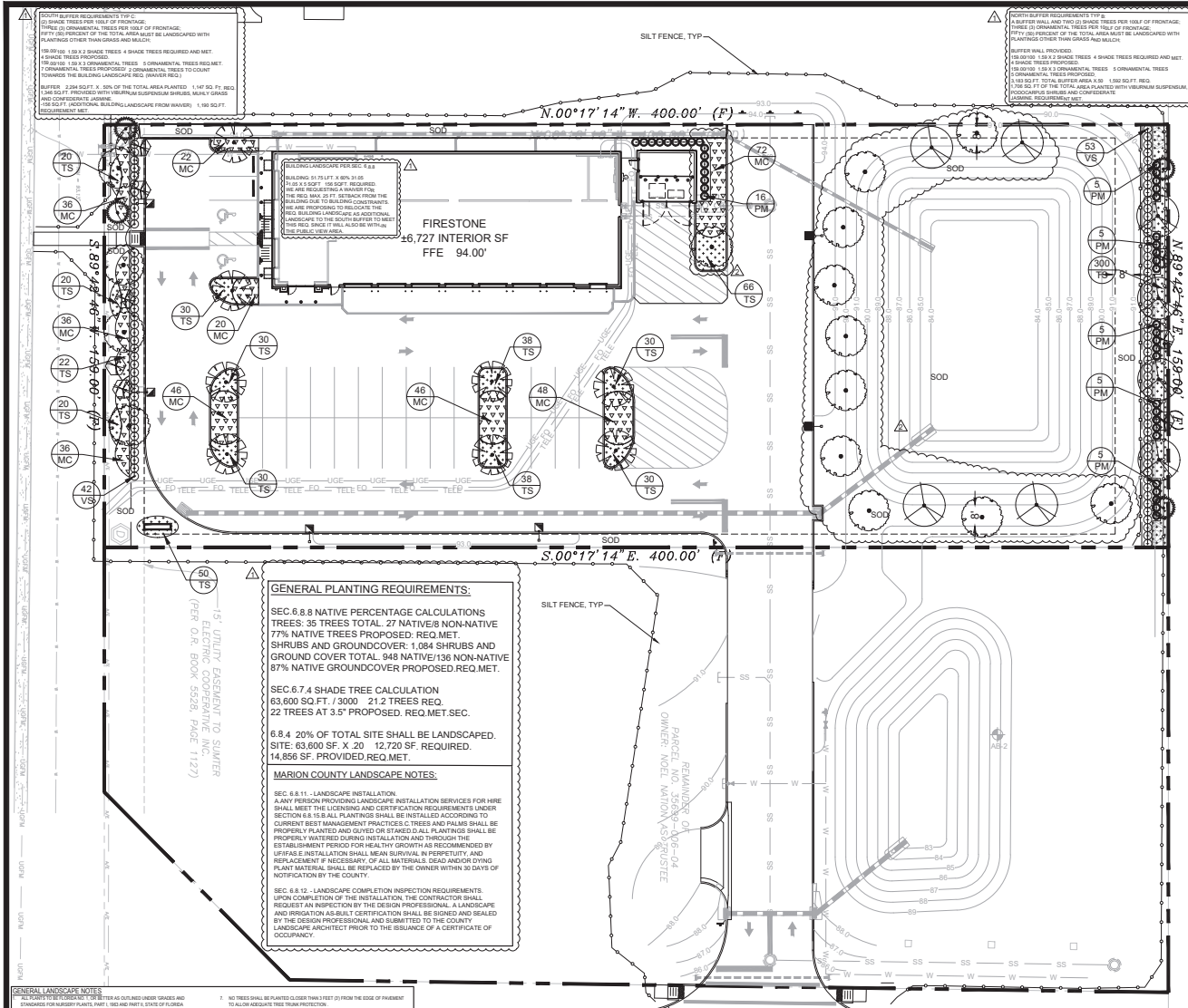
BSRO FIRESTONE
1101 S.W. 57TH AVENUE
SUITE 100
MIAMI, FL 33149

DATE	REVISION/ISSUE	BY	CHKD

ENGINEER'S NAME & SEAL
JERRY R. ANDERSON, P.E.
FL LICENSE NO. 17608

PROJECT # **224.059**
DATE **01/31/2025**
SCALE **1" = 20'**
SHEET **C5**
UTILITY PLAN

Jeremy R. Anderson, State of Florida, Professional Engineer, License No. 71630
This item has been digitally signed and sealed by Jeremy R. Anderson, P.E., 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.



SOUTH BUFFER REQUIREMENTS
 1. 50% OF THE TOTAL AREA MUST BE LANDSCAPED WITH NATIVE TREES PER FOOT OF FRONTAGE.
 2. 50% OF THE TOTAL AREA MUST BE LANDSCAPED WITH NATIVE SHRUBS PER FOOT OF FRONTAGE.
 3. 50% OF THE TOTAL AREA MUST BE LANDSCAPED WITH NATIVE GRASS PER FOOT OF FRONTAGE.
 4. 50% OF THE TOTAL AREA MUST BE LANDSCAPED WITH NATIVE PERENNIALS PER FOOT OF FRONTAGE.
 5. 50% OF THE TOTAL AREA MUST BE LANDSCAPED WITH NATIVE BIENNIALS PER FOOT OF FRONTAGE.
 6. 50% OF THE TOTAL AREA MUST BE LANDSCAPED WITH NATIVE MONOCOTYLEDONS PER FOOT OF FRONTAGE.
 7. 50% OF THE TOTAL AREA MUST BE LANDSCAPED WITH NATIVE DICOTYLEDONS PER FOOT OF FRONTAGE.
 8. 50% OF THE TOTAL AREA MUST BE LANDSCAPED WITH NATIVE GYMNOGONIA PER FOOT OF FRONTAGE.
 9. 50% OF THE TOTAL AREA MUST BE LANDSCAPED WITH NATIVE POLYTRICHOPTERIS PER FOOT OF FRONTAGE.
 10. 50% OF THE TOTAL AREA MUST BE LANDSCAPED WITH NATIVE FERNS PER FOOT OF FRONTAGE.
 11. 50% OF THE TOTAL AREA MUST BE LANDSCAPED WITH NATIVE MOSS PER FOOT OF FRONTAGE.
 12. 50% OF THE TOTAL AREA MUST BE LANDSCAPED WITH NATIVE LICHENS PER FOOT OF FRONTAGE.
 13. 50% OF THE TOTAL AREA MUST BE LANDSCAPED WITH NATIVE BRYOPHYTES PER FOOT OF FRONTAGE.
 14. 50% OF THE TOTAL AREA MUST BE LANDSCAPED WITH NATIVE FUNGI PER FOOT OF FRONTAGE.
 15. 50% OF THE TOTAL AREA MUST BE LANDSCAPED WITH NATIVE PROTISTA PER FOOT OF FRONTAGE.

LANDSCAPE DESIGN NOTES
 1. ALL PLANTINGS SHALL BE INSTALLED IN ACCORDANCE WITH THE MARION COUNTY LANDSCAPE PLAN.
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GENERAL PLANTING REQUIREMENTS:
 SEC 6.8.8 NATIVE PERCENTAGE CALCULATIONS
 TREES: 35 TREES TOTAL, 27 NATIVE/ NON-NATIVE
 77% NATIVE TREES PROPOSED REQ. MET.
 SHRUBS AND GROUND COVER: 1,084 SHRUBS AND GROUND COVER TOTAL, 948 NATIVE/136 NON-NATIVE
 87% NATIVE GROUND COVER PROPOSED REQ. MET.
 SEC 6.7.4 SHADE TREE CALCULATION
 63,600 SQ. FT. / 3,000 = 21.2 TREES REQ.
 22 TREES AT 3.5' PROPOSED. REQ. MET. SEC.
 6.8.4 20% OF TOTAL SITE SHALL BE LANDSCAPED.
 SITE: 63,600 SF. X .20 = 12,720 SF. REQUIRED.
 14,856 SF. PROVIDED REQ. MET.
MARION COUNTY LANDSCAPE NOTES:
 SEC 6.8.11 - LANDSCAPE INSTALLATION
 ANY PERSON PROVIDING LANDSCAPE INSTALLATION SERVICES FOR HIRE SHALL MEET THE LICENSING AND CERTIFICATION REQUIREMENTS UNDER SECTION 6.8.15 B. ALL PLANTINGS SHALL BE INSTALLED ACCORDING TO CURRENT BEST MANAGEMENT PRACTICES. TREES AND PALMS SHALL BE PROPERLY PLANTED AND GUAYED OR ETAKED. ALL PLANTINGS SHALL BE PROPERLY WATERED DURING INSTALLATION AND THROUGHOUT THE ESTABLISHMENT PERIOD FOR HEALTHY GROWTH AS RECOMMENDED BY UF/IFAS. IF INSTALLATION SHALL MEAN SURVIVAL IN PERMANENCY AND REPLACEMENT IF NECESSARY. OF ALL MATERIALS, DEAD AND/OR DYING PLANT MATERIAL SHALL BE REPLACED BY THE OWNER WITHIN 30 DAYS OF NOTIFICATION BY THE COUNTY.
 SEC 6.8.12 - LANDSCAPE COMPLETION INSPECTION REQUIREMENTS
 UPON COMPLETION OF THE INSTALLATION, THE CONTRACTOR SHALL REQUEST AN INSPECTION BY THE DESIGN PROFESSIONAL, A LANDSCAPE AND IRRIGATION AS-BUILT CERTIFICATION SHALL BE SIGNED AND SEALED BY THE DESIGN PROFESSIONAL AND SUBMITTED TO THE COUNTY LANDSCAPE ARCHITECT PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY.

GENERAL LANDSCAPE NOTES
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S.W. 57TH AVENUE
 TRACT 11
 FREEDOM CROSSINGS PRESERVE PHASE 1
 (PLAT BOOK 14, PAGE 102)

BURIED UTILITIES NOTE
 BURIED UTILITIES ARE SHOWN AT THEIR APPROXIMATE LOCATIONS BASED UPON INFORMATION PROVIDED. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL BURIED UTILITIES PRIOR TO ANY EXCAVATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO BURIED UTILITIES.
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 UTILITY PROTECTION CENTER
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1 inch = 20 ft.

PLANT LIST

SYMBOL	BOTANICAL NAME (COMMON NAME)	MINIMUM SIZE/SPACING	DROUGHT TOLERANCE	NATIVE	QUANTITY
QV	QUERCUS VIRGINIANA (WHITE OAK)	12" MIN HT. 3.5' CAL. MIN. 8" CLEAR	YES	YES	8
MG	MAGNOLIA GRANDIFLORA (LITTLE LEM)	12" MIN HT. 3.5' CAL. MIN. 8" CLEAR	YES	YES	8
LP	LAMIASTRUM GALEATA (LITTLE LEM)	12" MIN HT. 3.5' CAL. MIN. 8" CLEAR	YES	YES	15
RV	REX VICTORIA (YALPOM HOLL)	7" MIN HT. 3" CAL.	YES	YES	4
LI	LAGYRISTROBILIA (ORANGE MYRTLE)	7" MIN HT. 3" CAL.	YES	NO	8
TS	TRACHELOPERALM ABATICUM (SMALL LEAF CONFESSIONAL)	8" MIN HT. 3 GAL	YES	YES	724
MC	MULLENBURGA CAPILLARIS (POWDERY GRASS)	12" MIN HT. 3 GAL	YES	YES	362
VS	VIOLARIA SPICATA (SANDWICH VIOLET)	2" MIN HT. 3" CAL.	YES	NO	95
PM	PODOCARPUS MACROPHYLUS (PODOCARPUS)	2" MIN HT. 3" CAL.	YES	NO	41
SOD	SOD	QUANTITY TO BE CALCULATED BY CONTRACTOR	YES	YES	TBD

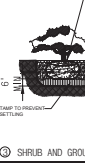
PLANT QUANTITY TO BE CALCULATED BY CONTRACTOR



① MULTI-TRUNK DETAIL NTS



② TREE PLANTING DETAIL NTS



③ SHRUB AND GROUND COVER DETAIL NTS

PALMETTO CAPITAL GROUP
 1643 WILLIAMSBURG SQUARE
 LAKELAND, FL 33803
 PHONE: (863) 808-1320



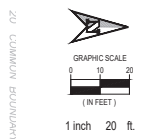
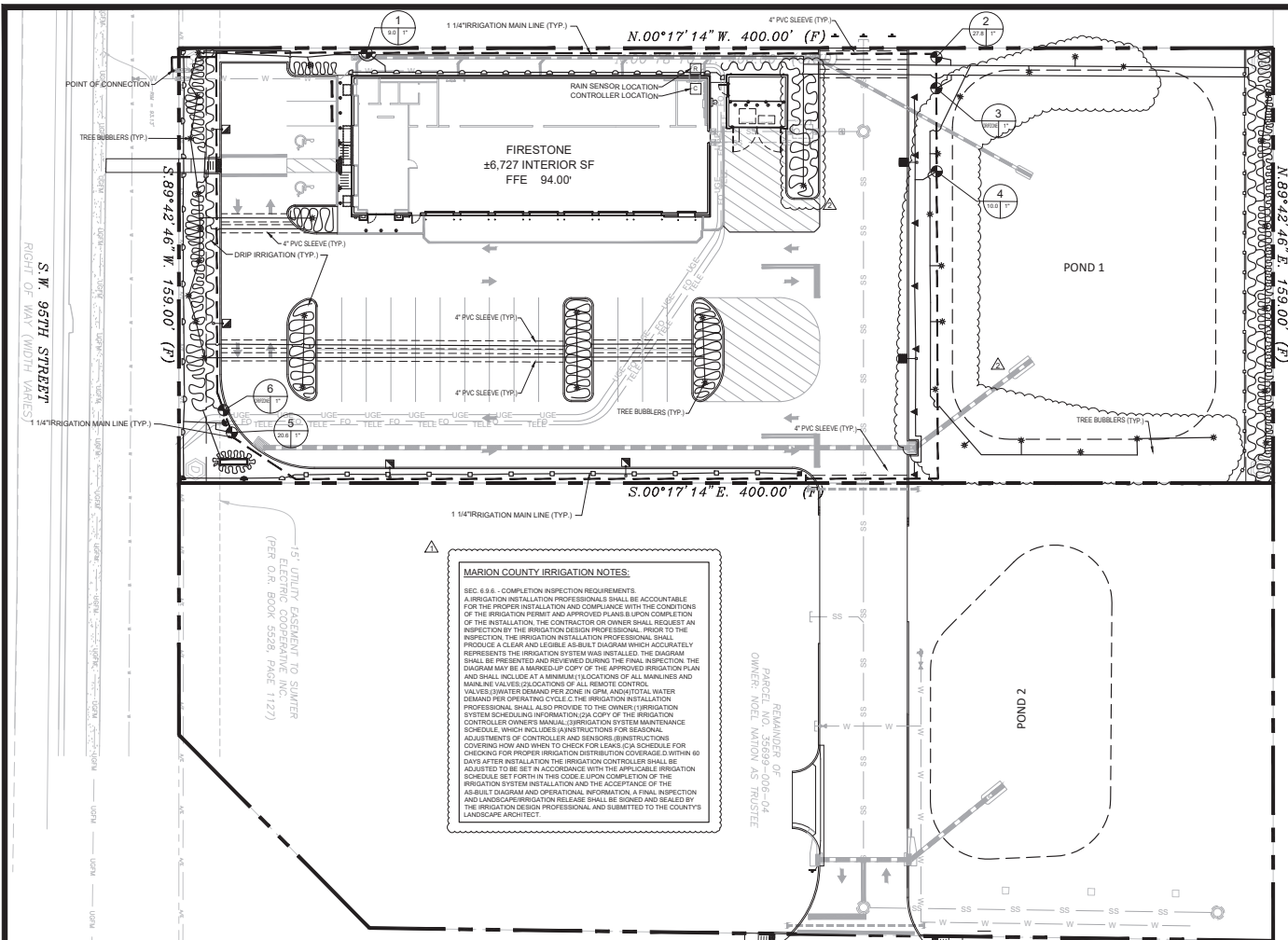
COMMON OAK ENGINEERING
 4001 EIGHTH WATER DRIVE
 ORLANDO, FL 32804
 (407) 961-1818
 AUTHORIZOR: 12844

DATE	REVISION/ISSUE	DESCRIPTION
01/31/2025	1	ISSUED FOR PERMITS

ENGINEER'S NAME & P.E.S.
 Richard T. Abt, State of Florida, Landscape Architect, License No. 1321

PROJECT # 224.031
DATE 01/31/2025
SCALE 1" = 20'
SHEET C6
LANDSCAPE PLAN

This item has been digitally signed and sealed by Richard T. Abt on the date indicated here.
 Richard T. Abt, State of Florida, Landscape Architect, License No. 1321
 This item has been digitally signed and sealed by Richard T. Abt on the date indicated here.
 The signature must be verified on any electronic copies.



IRRIGATION LEGEND

●	FULL 6" POP-UP SPRAY HEAD	570-B-F
●	1/4" 6" POP-UP SPRAY HEAD	570-B-Q
●	1/2" 6" POP-UP SPRAY HEAD	570-B-H
●	1/3" 6" POP-UP SPRAY HEAD	570-B-T
●	2/3" 6" POP-UP SPRAY HEAD	570-B-TT
●	3/4" 6" POP-UP SPRAY HEAD	570-B-TQ
●	FULL 6" POP-UP SPRAY HEAD	570-15-F
●	1/4" 6" POP-UP SPRAY HEAD	570-15-Q
●	1/2" 6" POP-UP SPRAY HEAD	570-15-H
●	1/3" 6" POP-UP SPRAY HEAD	570-15-T
●	2/3" 6" POP-UP SPRAY HEAD	570-15-TT
●	3/4" 6" POP-UP SPRAY HEAD	570-15-TQ
●	CENTER STRIP SPRAY HEAD	570-4-CST
■	SIDE STRIP SPRAY HEAD	570-4-SST
■	END STRIP SPRAY HEAD	570-4-EST
■	SPRAY HEAD IN 15' PATTERN	570-15-AUJ
○	DENOTES VARIABLE 4" POP-UP HEAD OR ROTOR ON PVC RISER	
○	DENOTES 4" POP-UP SPRAY HEAD OR ROTOR ON PVC RISER	
▲	POP-UP STREAM ROTOR	
○	200 SERIES STREAM BUBBLER	
○	TORO PLASTIC VALVE	
—	CLASS 200 PVC MAIN LINE	
—	CLASS 160 PVC LATERAL LINE	
—	PVC SLEEVE 4" IN DIAMETER	
—	PIPE CROSSOVER	
—	BACKFLOW PREVENTER	
—	IRRIGATION METER	
□	CONTROLLER LOCATION	
□	TORO MODEL # CC-P12	
□	RAIN SENSOR LOCATION	
□	NOTE: MODEL NOS. SHOWN REFLECT TORO SPRINKLER HEADS. ANY HEADS OF EQUAL QUALITY MAY BE USED WITH THE APPROVAL OF THE OWNER. CONTRACTOR TO SIZE ALL LATERAL LINES AND INSURE THE PERFORMANCE OF ALL HEADS.	

VALVES

□	254-06-03 3/4" VALVES
□	252-06-04 1" VALVES
□	252-25-06 1.5" VALVES

IRRIGATION NOTES:
 LANDSCAPE CONTRACTOR IS TO PROVIDE AN ENTIRE IRRIGATION SYSTEM WHICH PROVIDES 100% COVERAGE OF ALL PLANT AND GRASSED AREAS WITH HEAD SPACING OF SPRAY HEADS. PROVIDE ALL ITEMS NECESSARY FOR A COMPLETE AND OPERATIONAL SYSTEM TO INCLUDE, BUT NOT LIMITED TO, CONTROLLER, VALVES, PIPING, HEADS, RISERS, BACKFLOW PREVENTER, METER, WIRING, ELECTRICAL SUPPLY. PROVIDE AS-BUILT DRAWINGS UPON COMPLETION AND PRIOR TO FINAL PAYMENT. PROVIDE A RAIN SENSOR IN A CONSPICUOUS LOCATION OPEN TO RAINFALL. COORDINATE ALL WORK AND SLEEVE LOCATIONS WITH GENERAL CONTRACTOR. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR OWNER/ARCHITECT REVIEW AND APPROVAL PRIOR TO INSTALLATION. LANDSCAPE CONTRACTOR IS TO PROVIDE AND INSTALL A SEPARATE WATER METER FOR IRRIGATION PURPOSES. LANDSCAPE CONTRACTOR SHALL OBTAIN ANY PERMITS REQUIRED FOR THE INSTALLATION OF THE IRRIGATION SYSTEM.

ZONE #

(1)	1.0 GPM X 20 MIN.	200 gallons
(2)	22.3 GPM X 20 MIN.	446 gallons
(3)	Drop 1800 GPH run 1 hour	1800 gallons
(4)	19.0 GPM X 25 MIN.	725 gallons
(5)	20.6 GPM X 20 MIN.	412 gallons
(6)	Drop 1800 GPH run 1 hour	1800 gallons

Total one day full irrigation cycle consumption of water 4,898 gallons.
 Irrigation cycle runs 1 time per day 4,848 ± 9,896 gallons used per day
 Average daily consumption 9,896 gallons / 7 days **1,414 gallons average per day**
 Max. GPM demand at any given time per Zone cycles 45 GPM.
 (GPM) Gallons Per Minute

RICK ABT
 5549 HUGH HOWELL RD.
 STONE MOUNTAIN, GA 30087
 404-909-2736

BURIED UTILITIES NOTE
 BURIED UTILITIES ARE SHOWN AT THEIR APPROXIMATE LOCATION BASED UPON INFORMATION PROVIDED BY THE UTILITY COMPANIES AND FIELD NOTES. OTHER BURIED UTILITIES MAY EXIST ON THE SUBJECT SITE WHICH ARE NOT SHOWN ON THIS PLAN. USE EXTREME CARE DURING EXCAVATION OPERATIONS. LOCATION OF BURIED UTILITIES PRIOR TO EXCAVATION OPERATIONS.

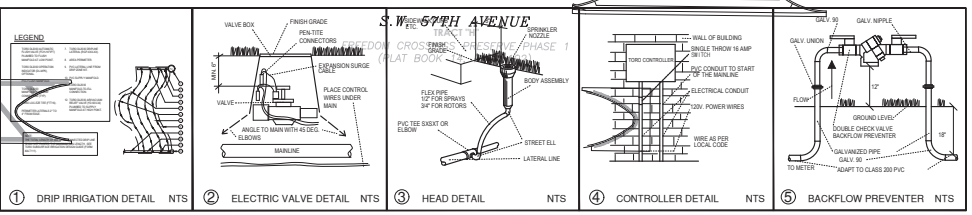
CALL BEFORE YOU DIG...
 1-800-452-4770
 UNITS: METERS
 IT'S THE LAW

NOTE: LANDSCAPE PLAN CONFORMS TO FLORIDA FRIENDLY STANDARDS.

Richard T. Abt, State of Florida, Landscape Architect, License No. 1321
 This item has been digitally signed and sealed by Richard T. Abt on the date indicated here.

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MARION COUNTY IRRIGATION NOTES:
 SEC. 6.9.6 - COMPLETION INSPECTION REQUIREMENTS.
 A IRRIGATION INSTALLATION PROFESSIONAL SHALL BE ACCOUNTABLE FOR THE PROPER INSTALLATION AND COMPLIANCE WITH THE CONDITIONS OF THE IRRIGATION PERMIT AND APPROVED PLANS UPON COMPLETION OF THE INSTALLATION. THE CONTRACTOR OR OWNER SHALL REQUEST AN INSPECTION BY THE IRRIGATION DESIGN PROFESSIONAL PRIOR TO THE INSPECTION. THE IRRIGATION INSTALLATION PROFESSIONAL SHALL PRODUCE A CLEAR AND LEGIBLE AS-BUILT DIAGRAM WHICH ACCURATELY REPRESENTS THE IRRIGATION SYSTEM WAS INSTALLED. THE DIAGRAM SHALL BE PRESENTED AND REVIEWED DURING THE FINAL INSPECTION. THE DIAGRAM MAY BE A MARKED-UP COPY OF THE APPROVED IRRIGATION PLAN AND SHALL INCLUDE AT A MINIMUM (1) LOCATIONS OF ALL MAINLINES AND MAINLINE VALVE LOCATIONS; (2) ALL REMOTE CONTROL VALVES; (3) WATER DEMAND PER ZONE IN GPM; AND (4) TOTAL WATER DEMAND PER OPERATING CYCLE; (5) THE IRRIGATION INSTALLATION PROFESSIONAL SHALL ALSO PROVIDE TO THE OWNER (1) IRRIGATION SYSTEM SCHEDULING INFORMATION; (2) A COPY OF THE IRRIGATION CONTROLLER OWNER'S MANUAL; (3) IRRIGATION SYSTEM MAINTENANCE SCHEDULE, WHICH INCLUDES INSTRUCTIONS FOR SEASONAL ADJUSTMENTS OF CONTROLLER AND SENSORS; (4) INSTRUCTIONS CONCERNING HOW AND WHEN TO CHECK FOR LEAKS; (5) SCHEDULE FOR CHECKING FOR PROPER IRRIGATION DISTRIBUTION COVERAGE; (6) WITHIN 60 DAYS AFTER INSTALLATION THE IRRIGATION CONTROLLER SHALL BE ADJUSTED TO BE SET IN ACCORDANCE WITH THE APPLICABLE IRRIGATION SCHEDULE SET FORTH IN THIS SPEC; (7) UPON COMPLETION OF THE IRRIGATION SYSTEM INSTALLATION AND THE ACCEPTANCE OF THE AS-BUILT DIAGRAM AND OPERATIONAL INFORMATION; (8) A FINAL INSPECTION AND LANDSCAPE IRRIGATION RELEASE SHALL BE SIGNED AND SEALED BY THE IRRIGATION DESIGN PROFESSIONAL AND SUBMITTED TO THE COUNTY'S LANDSCAPE ARCHITECT.

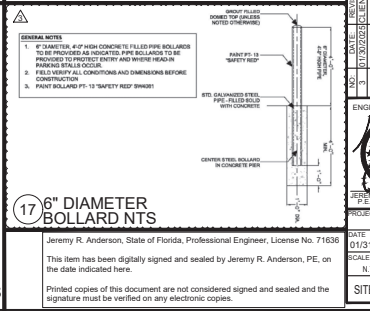
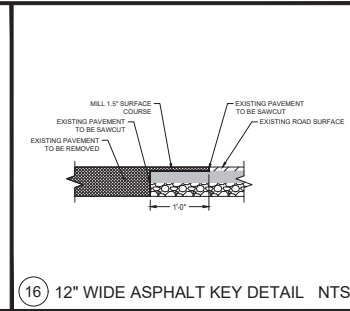
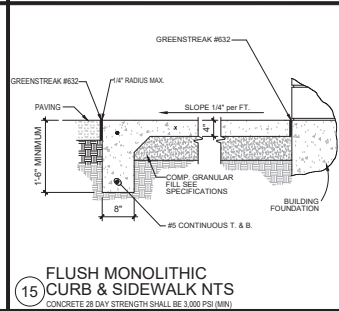
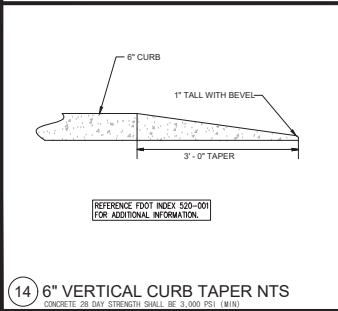
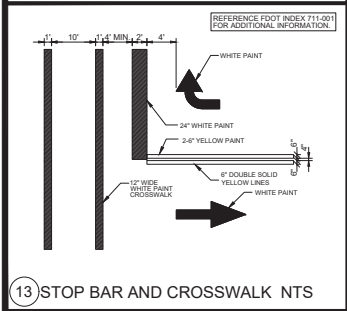
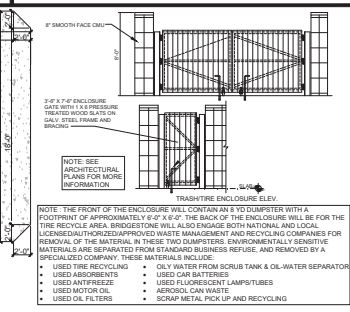
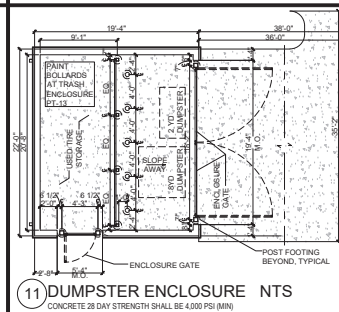
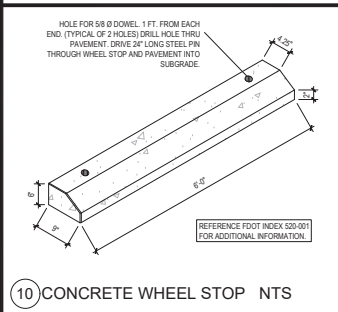
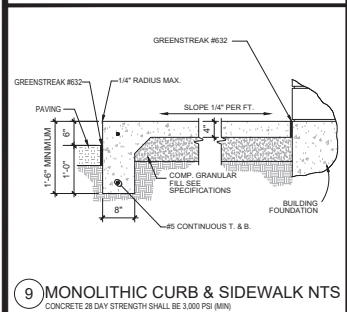
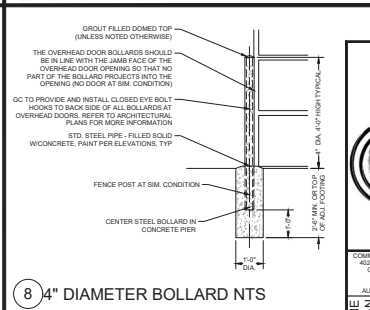
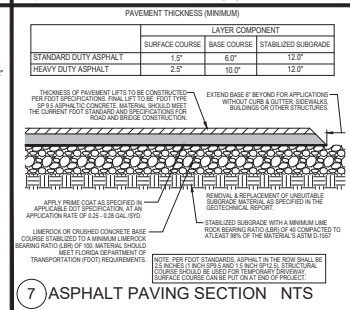
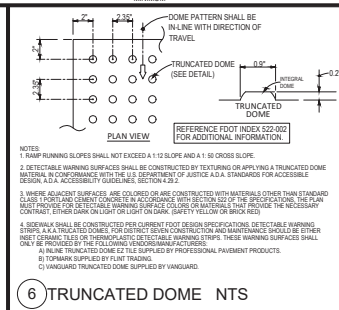
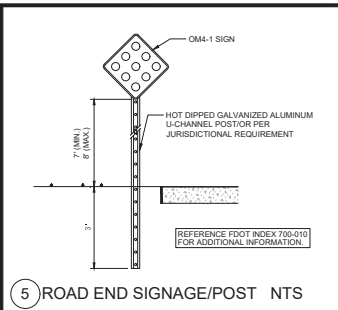
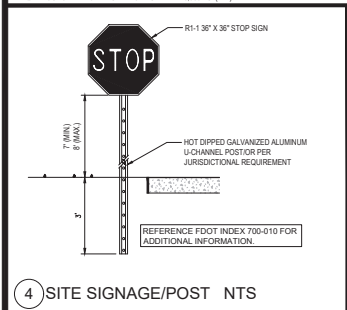
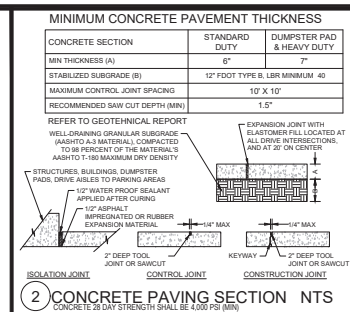
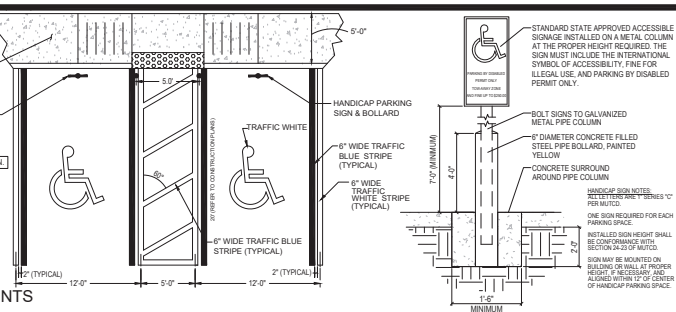
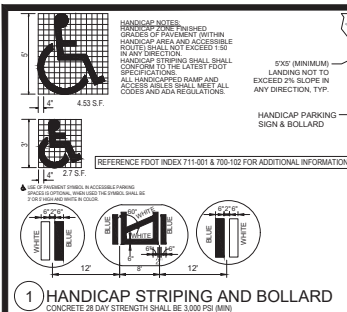


PALMETTO CAPITAL GROUP
 1643 WILLIAMSBOURG SQUARE
 LAKELAND, FL 33803
 PHONE: (863) 806-1520

COMMON OAK ENGINEERING
 400 EQUUSWATER DRIVE
 ORLANDO, FL 32804
 (407) 961-8818
 AUTHORIZOR: 28844

BSRO FIRESTONE
 STORE #180
 1510 S.W. 95TH ST
 MIAMI, FL 33156
 (305) 441-1111

DATE: 01/31/2025
SCALE: 1" = 20'
SHEET: C7
PROJECT #: 224.059
IRRIATION PLAN



PALMETTO CAPITAL GROUP
1643 WILLIAMSBURG SQUARE
LAKELAND, FL 33803
PHONE: (863) 806-1520

COMMON BARK
COMMON BARK ENGINEERING
4000 LEON WATERS DRIVE
ORLANDO, FL 32804
LIFT 96-501
1001 W. UNIVERSITY BLVD
SUITE 400
ORLANDO, FL 32817
AUTHORIZATOR: 36444

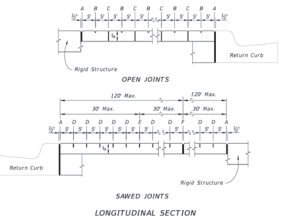
BSRO FIRESTONE
MAJOR SITE PLAN
STORE #180
NWC OF SW 98TH ST
&
SW 64th AVE
OCALA, FL 33476
MARION COUNTY

DATE: 01/31/2025
PROJECT #: 224.059
SHEET: C8
SCALE: N.T.S.
SITE PLAN DETAILS

ENGINEER'S NAME & SEAL
JERRY R. ANDERSON, P.E.
FL LICENSE NO. 71636

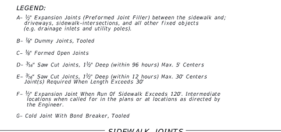
GENERAL NOTES:

- Construct sidewalks in accordance with Specification 522. Use 4" concrete for Sidewalks and Curb Ramps located within Curb Returns. See Plan Views. Install all other concrete with thickness as shown, unless otherwise detailed in the Plans.
- Include detectable warnings on sidewalk curb ramps in accordance with Index 522-002.
- For driveways see Index 522-003.
- Reinforcing material can be any appropriate coated or steel membrane or preformed material having a thickness of not less than 6 mils and not more than 1/2".
- Construct sidewalks with Edge Beams through the limits of any surface mounted Pedestrian/Bicycle Railing or Post-Installed chain in the plans. (See RAILING DETAILS)



LEGEND:

- 4" Thick Sidewalk
- 6" Thick Sidewalk
- Utility Strip



LEGEND:

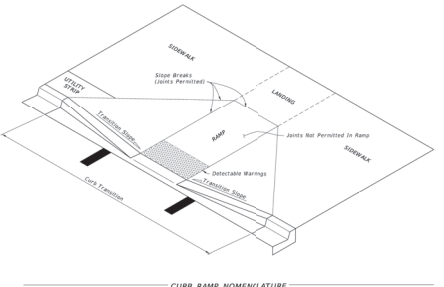
- Expansion Joint (Preformed Joint Filler) between the sidewalk and driveway, sidewalk and utility strip, or at other free edges.
- 1/2" Dummy joints, Tolerated.
- 1/2" Formed Open Joints.
- For Saw Cut Joints, 1/2" Deep within 96 hours Max. 2' Centers.
- For Saw Cut Joints, 1/2" Deep within 12 hours Max. 30' Centers. Jointly Accepted When Length Exceeds 50'.
- 1/2" Expansion Joint Shows Per Specification 522. Intermediate locations which varied 1/2" in the plans or as locations as directed by the Engineer.
- Curb Joint With Band Breaker, Tolerated.

LAST REVISION: 11/01/18	DESCRIPTION: CONCRETE SIDEWALK	INDEX: 522-001	SHEET: 1 of 2
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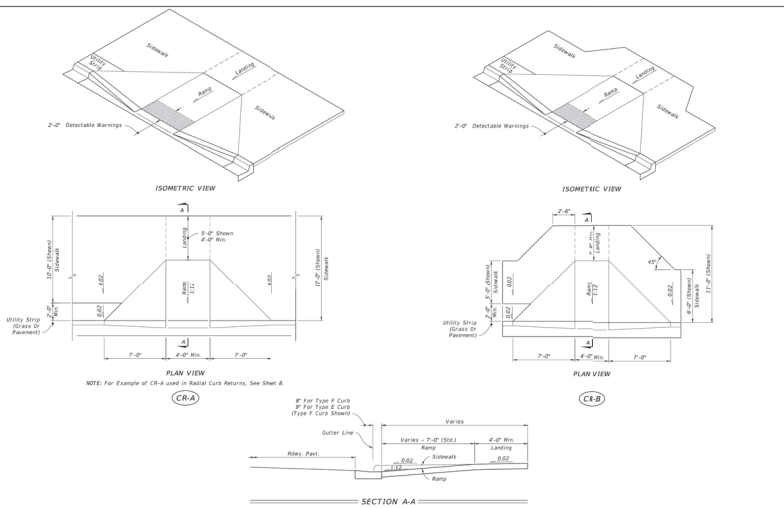
GENERAL NOTES AND CONCRETE SIDEWALK ON CURBED ROADWAYS

GENERAL NOTES:

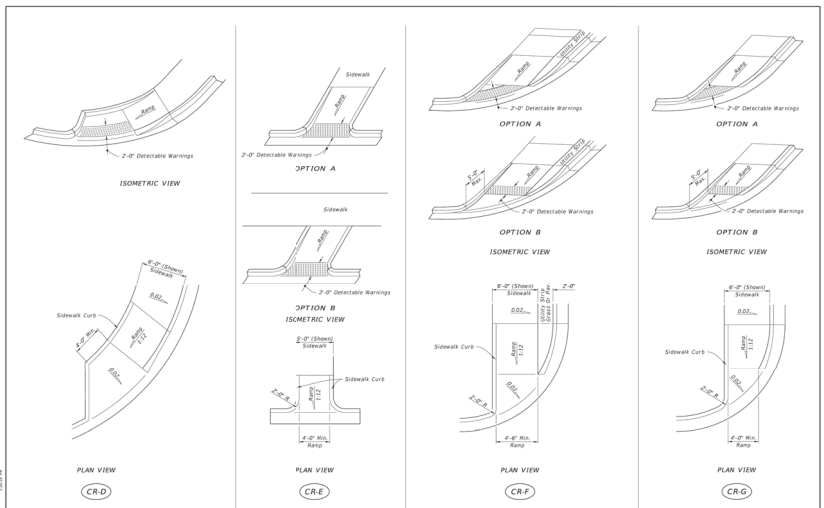
- Cross Slopes and Grades:**
 - Sidewalk, ramp, and landing slopes (i.e. 0.02, 0.05, and 1:2) shown in this Index are maximums. With approval of the Engineer, provide the minimum feasible slope where the requirements cannot be met.
 - Landings must have cross-slopes less than or equal to 0.02 in any direction. Ramp slopes are not required to exceed 1:5 feet in length.
- Provide a single longitudinal slope across each side of the curb ramp.
- Joints permitted at the location of Stop Brakes. Otherwise locate joints in accordance with Index 522-001. No joints are permitted within the ramp portion of the Curb Ramp.
- Curb, Curb and Gutter, and/or Sidewalk:**
 - Refer to Index 522-001 for concrete thickness and sidewalk details.
 - Remove any existing curb, curb and gutter, or sidewalk to the nearest post beyond the curb transition or to the extent that no remaining section is less than 1 foot long.
 - Width of Curb Ramp is 4'-0" minimum. Match sidewalk or Shared Use Path width as shown in the Plans.
- Curb Ramp Alpha-Identifications:**
 - Sidewalk curb ramp alpha-identifications (e.g. CR-A) are provided for reference purposes in the Plans.
 - Alpha-identifications CR-I and CR-J are intentionally omitted.
- Detectable Warnings:**
 - Install detectable warnings in accordance with Specification 527.
 - Place detectable warnings across the full width of the ramp or landing to a minimum depth of 2 feet measured perpendicular to the curb line and no greater than 3 feet from the back of the curb or edge of pavement.
 - If detectable warnings are shown in the Plans on slopes greater than 3%, align the (truncated) domes with the centerline of the ramp; otherwise, the truncated domes are not required to be aligned.



LAST REVISION: 11/01/20	DESCRIPTION: DETECTABLE WARNINGS AND SIDEWALK CURB RAMP	INDEX: 522-002	SHEET: 1 of 7
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LAST REVISION: 11/01/20	DESCRIPTION: DETECTABLE WARNINGS AND SIDEWALK CURB RAMP	INDEX: 522-002	SHEET: 2 of 7
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LAST REVISION: 11/01/20	DESCRIPTION: DETECTABLE WARNINGS AND SIDEWALK CURB RAMP	INDEX: 522-002	SHEET: 4 of 7
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PALMETTO CAPITAL GROUP
 1643 WILLIAMSBURG SQUARE
 LAKELAND, FL 33803
 PHONE: (863) 806-1520



COMMON DARK ENGINEERING
 4005 EIGHTH AVENUE
 ORLANDO, FL 32804
 (407) 961-1100
 AUTHORIZATION: 38844

BSRO FIRESTONE
 MAJOR SITE PLAN
 STORE FRID
 NWC OF SW 98TH ST
 &
 SW 6th AVE
 Ocala, FL 32676
 MARION COUNTY

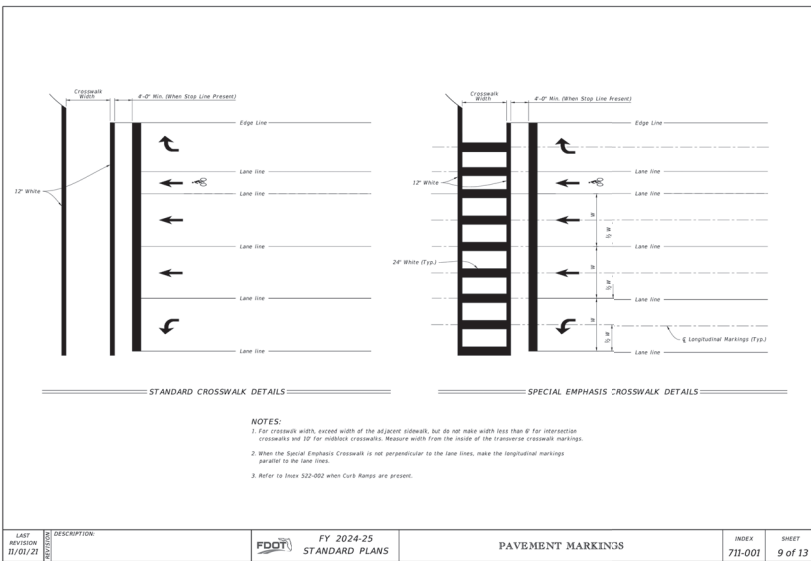
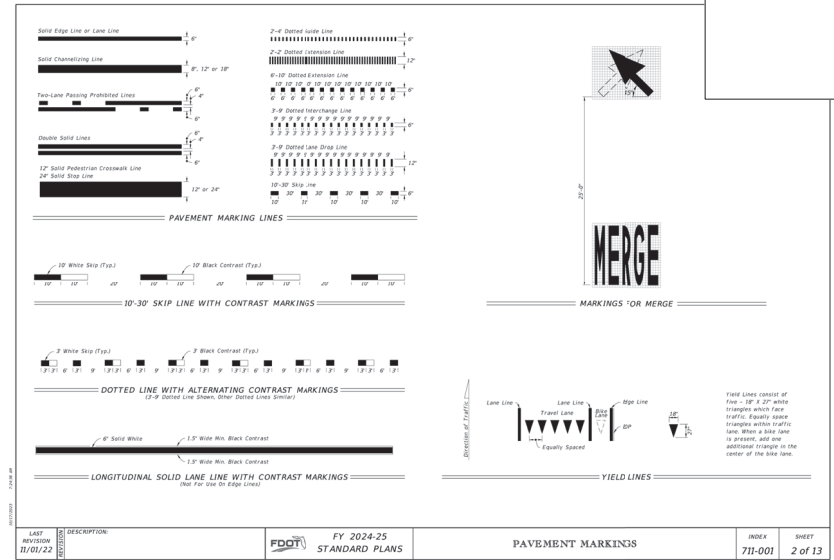
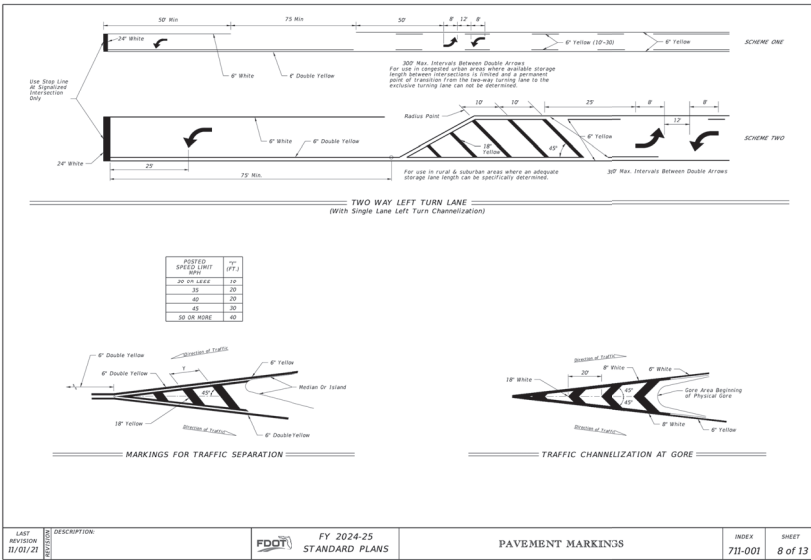
DATE:	REVISION/ISSUE:
NO.	
BY:	
CHECKED:	
DATE:	



ENGINEER'S NAME & P.E. LICENSE NO. 71630
 PROJECT # 224 059

Jeremy R. Anderson, State of Florida, Professional Engineer, License No. 71630
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DATE: 01/31/2025
 SCALE: N.T.S.
 SHEET: C8.3
 FOOT DETAILS



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PALMETTO CAPITAL GROUP
 1643 WILLIAMSBURG SQUARE
 LAKELAND, FL 33803
 PHONE: (863) 806-1520

COMMON DARK

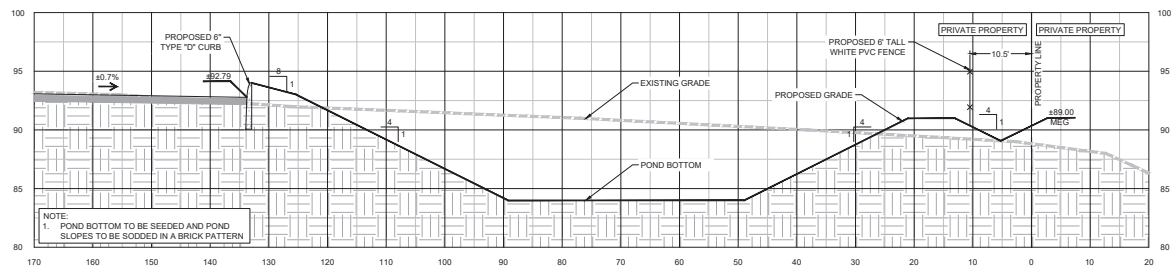
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 MAJOR SITE PLAN
 STORE #180
 11400 SW 98TH ST
 &
 SW 64th AVE
 Ocala, FL 33476
 MARION COUNTY

ENGINEER'S NAME & SEAL
 JEREMY R. ANDERSON, P.E.
 P.E. LICENSE NO. 71636

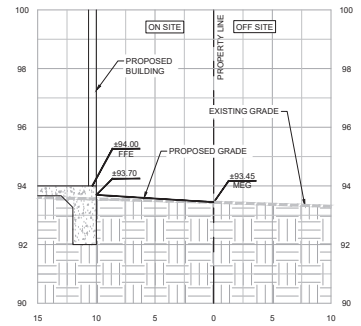
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DATE 01/31/2025
SCALE N.T.S.
SHEET C8.4
FOOT DETAILS

LEGEND		
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	CONCRETE	
	ASPHALT PAVEMENT	

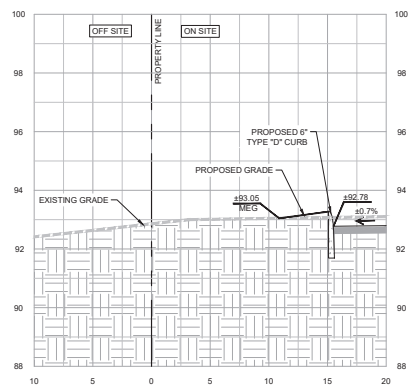
POND 1 STAGING TABLE	
100 YEAR / 24 HR	90.00'
WOTV	84.94'
POND BOTTOM	84.00'
SHWE	79.75'
BASE OF AQUIFER	78.75'



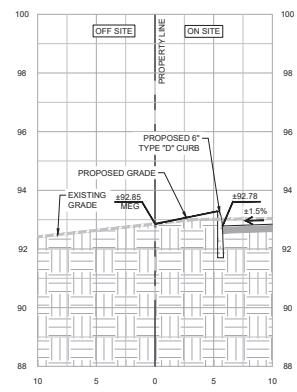
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 SCALE: 1" IS 5' (VERTICAL) 1" IS 10' (HORIZONTAL)
 NOTE: ELEVATIONS BASED NAVD 88 VERTICAL DATUM



PROFILE B-B (WEST PROPERTY LINE)
 SCALE: 1" IS 2' (VERTICAL) 1" IS 5' (HORIZONTAL)
 NOTE: ELEVATIONS BASED NAVD 88 VERTICAL DATUM



PROFILE C-C (SOUTH PROPERTY LINE)
 SCALE: 1" IS 2' (VERTICAL) 1" IS 5' (HORIZONTAL)
 NOTE: ELEVATIONS BASED NAVD 88 VERTICAL DATUM



PROFILE D-D (EAST PROPERTY LINE)
 SCALE: 1" IS 2' (VERTICAL) 1" IS 5' (HORIZONTAL)
 NOTE: ELEVATIONS BASED NAVD 88 VERTICAL DATUM

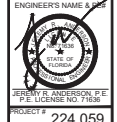
PALMETTO CAPITAL GROUP
 1643 WILLIAMSBURG SQUARE
 LAKELAND, FL 33803
 PHONE: (863) 808-1520



COMMON BARK ENGINEERING
 400 EDGEWATER DRIVE
 ORLANDO, FL 32804
 (407) 940-8888
 AUTHORIZATOR: 52844

BSRO FIRESTONE
 AT
 STORE #183
 NMC OF SW 98TH
 SW 97TH AVE
 Ocala, FL 33476
 MARION COUNTY

NO.	DATE	REVISION/ISSUE



ENGINEER'S NAME & P.E. #
JEREMY R. ANDERSON, P.E.
 P.E. LICENSE NO. 71636
 PROJECT # **224.059**
 DATE **09/25/2024**
 SHEET
 SCALE **C9.2**
 TITLE **PROFILES**

Jeremy R. Anderson, State of Florida, Professional Engineer, License No. 71636
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 1643 WILLIAMSBURG SQUARE
 LAKELAND, FL 33803
 PHONE: (863) 806-1520



COMMON OAK ENGINEERING
 400 EQUUSWATER DRIVE
 ORLANDO, FL 32804
 (407) 961-5815
 AUTHORIZATION: 3844

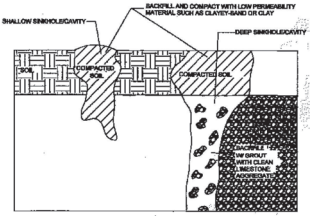
BSRO FIRESTONE
 MAJOR SITE PLAN
 STORE #180
 NWC OF SW 98TH ST
 SW 6 & AVE
 Ocala, FL 33476
 MARION COUNTY

DATE	REVISION/ISSUE	COMMENTS
11/01/2025	MARION COUNTY COMMENTS	



ENGINEER'S NAME & P.E. LICENSE NO. 71636
 PROJECT # 224.059
 DATE 01/31/2025 SHEET 24
 SCALE N.T.S. C9.2
 PROJECT # 224.059

RECOMMENDATIONS FOR KARST SENSITIVE AREAS



SECTION VIEW

NOTES
 IN THE EVENT THAT ANY KARST FEATURES SUCH AS SINKHOLES, SOLUTION CAVITIES, CHIMNEYS, ETC. ARE DISCOVERED DURING ROUTINE INSPECTIONS OF THE STORMWATER BASINS, THE FOLLOWING REMEDIATION PROCEDURE SHALL BE PERFORMED.

SHALLOW REPAIR (SEE DETAIL):
 IF THE COLLAPSE IS SHALLOW (5' DEEP) AND THE VOIDS IN THE LIMESTONE ARE SMALL, THEN THE SINKHOLE CAN BE REPAIRED BY BACKFILLING WITH A LOWER PERMEABILITY MATERIAL, SUCH AS CLAYEY SAND OR CLAY. THE MATERIAL SHOULD BE COMPACTED AND THE REPAIR SHALL BE SLIGHTLY ABOVE THE ORIGINAL BOTTOM IN ORDER TO CREATE A SMALL MOUND TO ACCOUNT FOR SETTLING.

DEEP REPAIR (SEE DETAIL):
 IF THE COLLAPSE IS DEEP, THEN THE REPAIR SHALL BE MORE PERMANENT. THE COLLAPSE SHALL BE EXCAVATED TO THE LIMESTONE BEDROCK (THE VOIDS) IN MATERIAL SHALL BE PLACED OVER THE CONCRETE PLUG. THE MATERIAL SHALL BE COMPACTED AND BROUGHT TO EXISTING BASIN BOTTOM.

NOTIFICATION:
 THE APPLICABLE WATER MANAGEMENT DISTRICT SHALL BE NOTIFIED OF ANY SINKHOLE DEVELOPMENT WITHIN 48 HOURS OF DISCOVERY AND THE PROPOSED METHOD BY WHICH THE SINKHOLE WILL BE REPAIRED SHALL BE SUBMITTED TO THE WATER MANAGEMENT DISTRICT FOR APPROVAL WITHIN 30 DAYS. THE WATER MANAGEMENT DISTRICT WILL THEN NOTIFY THE RESPONSIBLE PARTY AS TO THE ACCEPTANCE, DENIAL OR NEED FOR MODIFICATION OF THE REPAIR METHOD.

SOLUTION PIPE REPAIR:
 IF A SOLUTION PIPE SINKHOLE DOES FORM IN A STORM WATER BASIN, IT SHOULD BE REPAIRED QUICKLY AND IN A MANNER THAT WILL ENSURE THAT THE FLORIDIAN AQUIFER WILL BE PROTECTED FROM CONTAMINATION AND ALSO BE DONE IN A MANNER THAT PRECLUDES ANY FURTHER SUBSIDENCE OR UNPLUGGING OF THE SOLUTION PIPE.
 THERE ARE MANY WAYS IN WHICH A SOLUTION PIPE SINKHOLE MAY BE ADEQUATELY REPAIRED. THE REPAIR WILL VARY DEPENDING ON THE MORPHOLOGY OF THE SINKHOLE. BEFORE REPAIR, ANY TRASH AND ORGANIC DEBRIS SHOULD BE REMOVED FROM THE SINKHOLE. TWO RECOMMENDED REPAIR METHODS ARE LISTED BELOW.

REPAIR METHOD 1 (FIGURE 8)
 IF THE COLLAPSE OCCURS IN A SHALLOW BASIN (5' DEEP) AND THE VOIDS (S) IN THE LIMESTONE ARE SMALL, THEN THE SINKHOLE CAN BE REPAIRED BY BACKFILLING WITH MATERIAL THAT IS SIMILAR TO THE MATERIAL IN WHICH THE BASIN WAS CONSTRUCTED. A LOWER PERMEABILITY MATERIAL, SUCH AS CLAYEY SAND OR CLAY IS RECOMMENDED. THE MATERIAL SHOULD THEN BE COMPACTED AND THE SINKHOLE REPAIR SHOULD BRING THE SURFACE BACK TO AN ELEVATION WHICH IS SLIGHTLY ABOVE THE ORIGINAL BOTTOM, CREATING A SMALL MOUND.
 THIS REPAIR METHOD WILL NOT ASSURE THAT FUTURE SUBSIDENCE WILL BE PREVENTED. THE SINKHOLE MAY NEED TO BE REPAIRED AGAIN AT A LATER TIME IF A SINKHOLE HAS BEEN REPAIRED USING METHOD #1, AND CONTIGUES TO SUBSIDSE, IT MUST BE REPAIRED USING METHOD #2.

REPAIR METHOD 2 (FIGURE 9)
 IF THE COLLAPSE OCCURS IN A DEEPER BASIN (5' DEEP), A BASIN WITH LARGE VOIDS, OR IN A BASIN THAT IS RECEIVING STORMWATER WHICH CONTAINS A HIGHER LEVEL OF CONTAMINATION, THEN THE REPAIR SHOULD BE MORE PERMANENT. THE COLLAPSE SHOULD BE EXCAVATED TO LIMESTONE BEDROCK. THE VOIDS (S) IN THE BEDROCK SHOULD BE PLUGGED WITH CLEAN CONCRETE GROUT (CLEAN LIMESTONE AGGREGATE - 1/3 TO 1/2 THE SIZE OF THE VOID DIAMETER MAY BE INCLUDED IN THE GROUT). MATERIAL CONSISTENT WITH THE BASIN BOTTOM ELEVATION BROUGHT BACK TO NORMAL.
 THE DISTRICT SHOULD BE NOTIFIED TO ANY SINKHOLE DEVELOPMENT WITHIN 48 HOURS OF DISCOVERY AND THE PROPOSED METHOD BY WHICH THE SINKHOLE WILL BE REPAIRED SHOULD BE SUBMITTED TO THE DISTRICT FOR APPROVAL WITHIN 30 DAYS OF FINDING A SOLUTION PIPE SINKHOLE WITHIN A STORMWATER BASIN. THE DISTRICT WILL THEN NOTIFY THE RESPONSIBLE PARTY AS TO THE ACCEPTANCE, DENIAL OR NEED FOR MODIFICATION OF THE REPAIR METHOD.

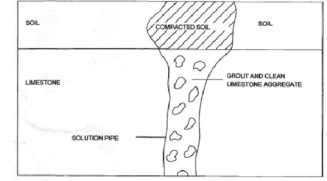


FIGURE 9
RECOMMEND REPAIR FOR LARGER SOLUTION PIPE SINKHOLES
 N.T.S.

BASIN LIMEROCK OUTCROP CONSTRUCTION NOTES

- IN THE EVENT THAT LIMEROCK OUTCROP IS ENCOUNTERED DURING CONSTRUCTION OF THE RETENTION BASINS THE FOLLOWING TREATMENT SHALL BE PERFORMED. THE LIMEROCK OUTCROP SHALL BE EXCAVATED TO AN ELEVATION OF THREE (3) FEET BELOW THE DESIGN BASIN BOTTOM. THE EXCAVATED AREA SHALL BE BACKFILLED TO THE DESIGN BASIN BOTTOM ELEVATION WITH CLAYEY SAND/SANDY-CLAY (ASTM D 58) SOIL GROUP(AZ) SOILS. A MIXTURE OF THE BACKFILL MATERIAL SHALL BE PLACED IN SIX INCH LIFTS AND ROLLED WITH HEAVY LOADED RUBBER Tired EQUIPMENT. THE APPLICABLE WATER MANAGEMENT DISTRICT AND APPLICABLE COUNTY PUBLIC WORKS DEPARTMENT SHALL BE NOTIFIED WHEN LIMEROCK OUTCROPS ARE ENCOUNTERED AND PRIOR TO COMMENCING REMEDIAL ACTION.
- IN THE EVENT THAT ANY KARST FEATURES, SUCH AS SOLUTION CAVITIES, CHIMNEYS, OR SINKHOLES APPEAR IN THE RETENTION BASIN, THE FOLLOWING ACTIONS SHALL BE REQUIRED:
 - THE ENGINEER OF RECORD, THE ST. JOHN RIVER WATER MANAGEMENT DISTRICT, AND THE MARION COUNTY PUBLIC WORKS DEPARTMENT SHALL BE NOTIFIED WHEN THE FEATURE IS ENCOUNTERED PRIOR TO REMEDIAL ACTION.
 - A LICENSED GEOTECHNICAL ENGINEERING FIRM SHALL BE DETERMINED TO EVALUATE THE SIGNIFICANCE OF THE FEATURE AND TO STATE THE REMEDIAL ACTION NECESSARY.
 - THE GEOTECHNICAL ENGINEERING FIRM SHALL BE REQUIRED TO MONITOR THE REMEDIAL WORK AND SEND A SUMMARY REPORT UPON REPAIR COMPLETION TO THE ENGINEER OF RECORD, THE ST. JOHN RIVER WATER MANAGEMENT DISTRICT, AND THE MARION COUNTY PUBLIC WORKS DEPARTMENT.

SHALLOW AND DEEP SINKHOLE/CAVITY MAINTENANCE REPAIR DETAIL
 N.T.S.

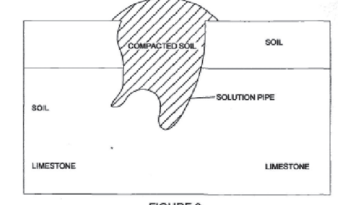
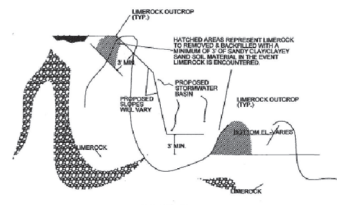


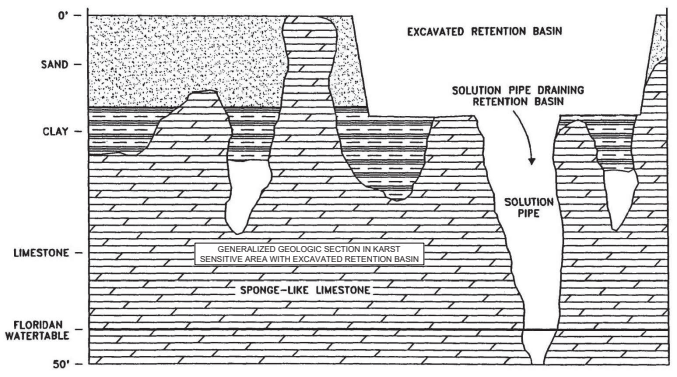
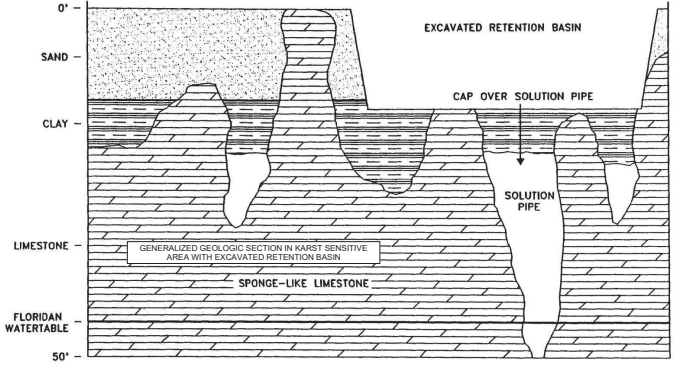
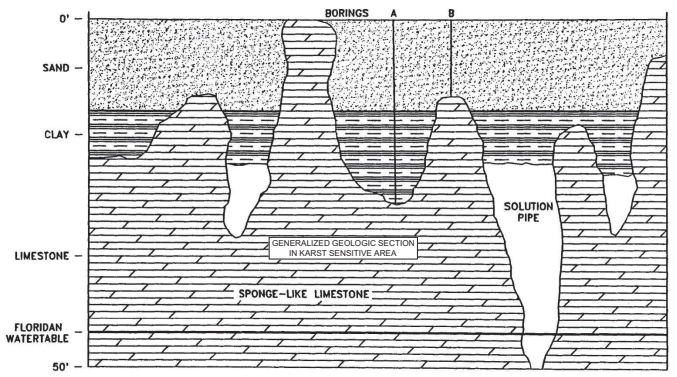
FIGURE 8
RECOMMENDED REPAIR FOR SMALL SOLUTION PIPE SINKHOLES
 N.T.S.



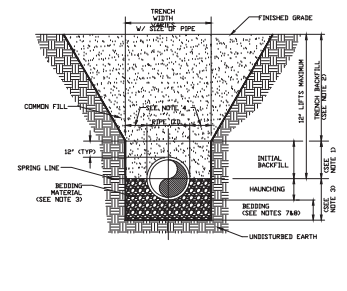
SECTION VIEW
LIMEROCK OUTCROP REMOVAL DETAIL
 N.T.S.

Jeremy R. Anderson, State of Florida, Professional Engineer, License No. 71636
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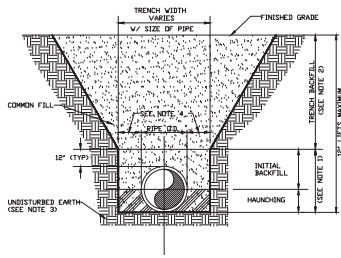
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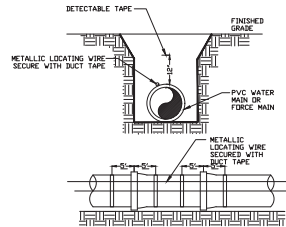
A MINIMUM OF THREE FEET OF UNCONSOLIDATED SOIL MATERIAL BETWEEN THE SURFACE OF THE LIMESTONE BEDROCK AND THE BOTTOM AND SIDES OF THE STORMWATER BASIN. EXCAVATION AND BACKFILL OF SUITABLE MATERIAL MAY BE MADE TO MEET THIS CRITERIA.



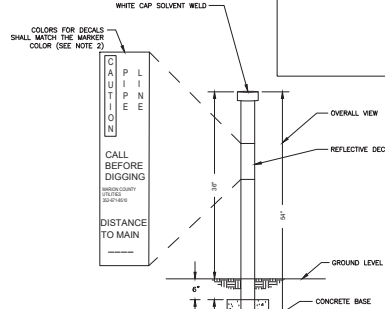
- NOTES:**
- INITIAL BACKFILL, COMMON FILL COMPACTED TO 95% UNDER PAVEMENT) OF THE MAXIMUM DENSITY AS PER ASDHTO T-100.
 - TRENCH BACKFILL, COMMON FILL COMPACTED TO 95% UNDER PAVEMENT) OF THE MAXIMUM DENSITY AS PER ASDHTO T-100.
 - BEDDING MATERIAL SHALL CONFORM TO FOOTING 37 AGGREGATE.
 - 1/2" MAX. 12" MIN FOR PIPE DIAMETER LESS THAN 24" AND 24" MAX 12" MIN FOR PIPE DIAMETER 24" AND LARGER.
 - WATER SHALL NOT BE INSTALLED IN THE TRENCH BEARING CONSTRUCTION.
 - PIPE UTILITIES SHALL TERMINATE IN THE FIELD REQUIRED REMOVAL OF UNSUITABLE MATERIAL TO REACH SUITABLE FOUNDATION.
 - FINAL REVISION IN IMPROVED AREAS SHALL BE IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS OF GOVERNING AGENCIES. SURFACE RESTORATION WITHIN MARION COUNTY RIGHT-OF-WAY SHALL COMPLY WITH REQUIREMENTS OF RIGHT-OF-WAY UTILIZATION REGULATIONS AND ROAD CONSTRUCTION SPECIFICATIONS.
 - ONE COMPACTION TEST SHALL BE REQUIRED FOR EACH LIFT NOT TO EXCEED 200'.



- NOTES:**
- INITIAL BACKFILL AND HANDHAUNCHING SELECT COMMON FILL COMPACTED TO 95% UNDER PAVEMENT OF THE MAXIMUM DENSITY AS PER ASDHTO T-100.
 - TRENCH BACKFILL, COMMON FILL COMPACTED TO 95% UNDER PAVEMENT) OF THE MAXIMUM DENSITY AS PER ASDHTO T-100.
 - PIPE BEDDING UTILIZING SELECT COMMON FILL OR BEDDING ROCK IN ACCORDANCE WITH BEDDING AND TRENCHING 1 DETAILS MAY BE REQUIRED AS DIRECTED BY RCL.
 - 1/2" MAX. 12" MIN FOR PIPE DIAMETER LESS THAN 24" AND 24" MAX 12" MIN FOR PIPE DIAMETER 24" AND LARGER.
 - WATER SHALL NOT BE INSTALLED IN THE TRENCH BEARING CONSTRUCTION.
 - ALL PIPE TO BE INSTALLED WITH BELL FACING UPSTREAM TO THE DIRECTION OF THE FLOW.
 - FINAL REVISION IN IMPROVED AREAS SHALL BE IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS OF GOVERNING AGENCIES. SURFACE RESTORATION WITHIN MARION COUNTY RIGHT-OF-WAY SHALL COMPLY WITH REQUIREMENTS OF RIGHT-OF-WAY UTILIZATION REGULATIONS AND ROAD CONSTRUCTION SPECIFICATIONS.
 - ONE COMPACTION TEST SHALL BE REQUIRED FOR EACH LIFT NOT TO EXCEED 200'.



- NOTES:**
- PVC PIPE SHALL REQUIRE INSULATED METALLIC LOCATING WIRE (10 GAUGE COPPER) CAPABLE OF DETECTION BY A CABLE LOCATOR AND SHALL BE BURIED ON TOP OF THE PIPE.
 - LOCATING WIRE SHALL TERMINATE AT EACH VALVE BOX AND BE CAPABLE OF EXTENDING 12" ABOVE TOP OF BOX IN SUCH A MANNER SO AS NOT TO INTERFERE WITH VALVE OPERATION PER UT 103.
 - ALL WIRE CONNECTIONS SHALL BE SPLICED TOGETHER USING WATERTIGHT WIRE NUTS.
 - FOR HORIZONTAL DIRECTIONAL DRILLING, UTILIZE 2 LOCATING WIRES EACH WITH A BREAK LOAD OF 550LB FORCE.
 - DETECTABLE TAPE SHALL BE 1" ABOVE THE CENTERLINE OF THE PIPE.



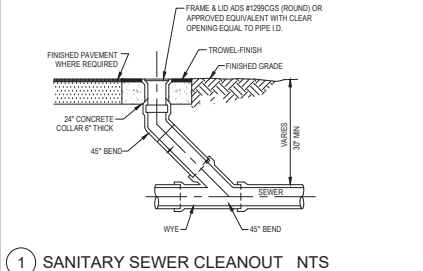
- NOTES:**
- MARKERS ARE REQUIRED WHEN UTILITY MAIN IS LOCATED OVER 30 FEET FROM EDGE OF PAVEMENT OR IN AN EASEMENT NOT ALIGNED TO THE RIGHT-OF-WAY.
 - MARKERS SHALL BE 4" DIAMETER SCHED OR DRIP PVD BLUE FOR WATER, GREEN FOR WASTEWATER AND PAINTE PALETTE PURPLE FOR RECLAIMED WATER.
 - MARKERS SHALL BE PLACED AT ALL VALVES BUT EXCEPT WATER VALVES NEAR FIRE HYDRANTS.
 - ADDITIONAL MARKERS SHALL BE INSTALLED AS NEEDED SO THAT THE DISTANCE BETWEEN MARKERS DOES NOT EXCEED 100 FEET.

MARION COUNTY
MISC EFFECTIVE 04/13/2023
REVISION # 2
BEDDING AND TRENCHING 1
UT 102

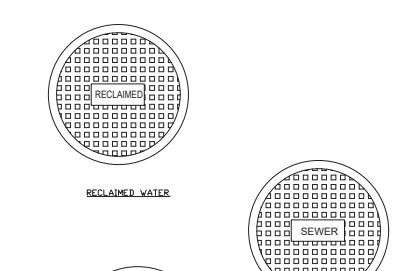
MARION COUNTY
MISC EFFECTIVE 04/13/2023
REVISION # 2
BEDDING AND TRENCHING 2
UT 103

MARION COUNTY
MISC EFFECTIVE 04/13/2023
REVISION # 2
PIPE LOCATING WIRE AND DETECTABLE TAPE
UT 104

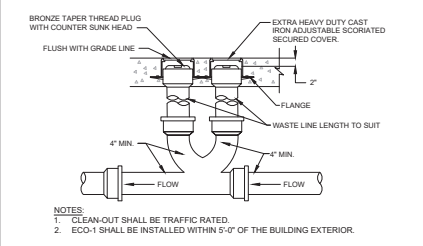
MARION COUNTY
MISC EFFECTIVE 04/13/2023
REVISION # 2
UTILITY MAIN MARKER
UT 109



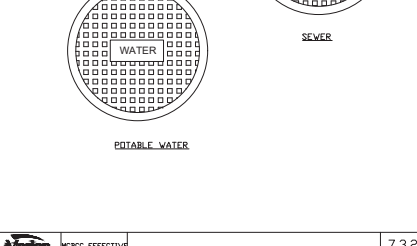
1 SANITARY SEWER CLEANOUTS



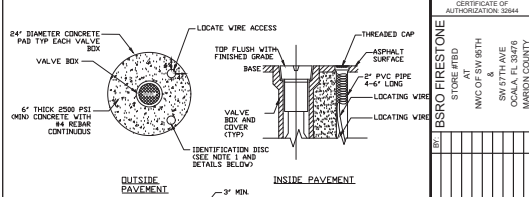
TYPICAL VALVE BOX COVER



2 2-WAY CLEANOUTS



SEALED VALVE BOX, ADJUSTABLE



VALVE BOX PAD

MARION COUNTY
MISC EFFECTIVE 04/13/2023
REVISION # 1
2-WAY CLEANOUTS
UT 110

MARION COUNTY
MISC EFFECTIVE 04/13/2023
REVISION # 1
TYPICAL VALVE BOX COVER
UT 111

MARION COUNTY
MISC EFFECTIVE 04/13/2023
REVISION # 1
SEALED VALVE BOX, ADJUSTABLE
UT 111

MARION COUNTY
MISC EFFECTIVE 04/13/2023
REVISION # 1
VALVE BOX PAD
UT 112

PALMETTO CAPITAL GROUP
1643 WILLIAMSBURG SQUARE
LAKELAND, FL 33803
PHONE: (863) 806-1520



COMMON
MARK
ENGINEERING

COMMON GMX ENGINEERING
4000 EQUUSWAY DRIVE
ORLANDO, FL 32804
407-918-8851
AUTHORIZATION: 38444

BSRO FIRESTONE

DATE	REVISION/ISSUE

ENGINEER'S NAME & P.E. LICENSE NO. 71636

JERRY R. ANDERSON, P.E.
PROJECT # **224.059**

DATE **09/25/2024**

SCALE **N.T.S.**

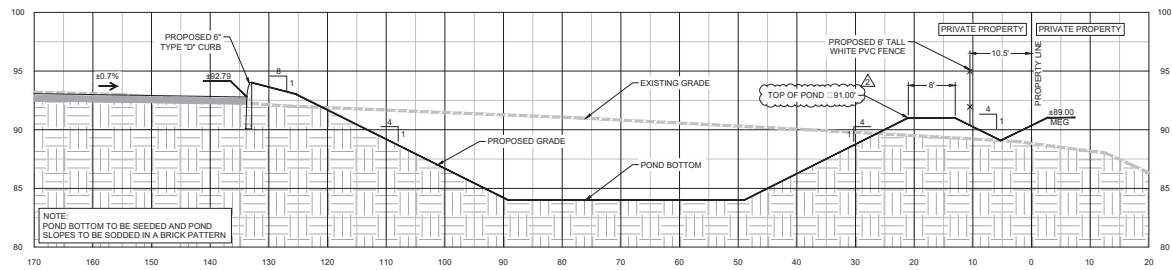
UTILITY DETAILS

Jeremy R. Anderson, State of Florida, Professional Engineer, License No. 71636
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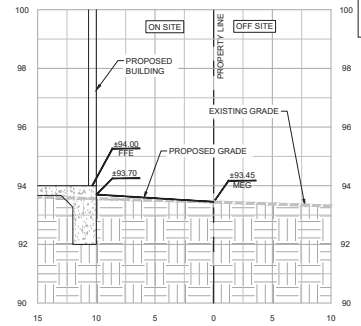
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POND 1 STAGING TABLE	
100 YEAR / 24 HR	89.10'
WQTV	84.75'
POND BOTTOM	84.00'
SHWE	79.50'
BASE OF AQUIFER	78.50'

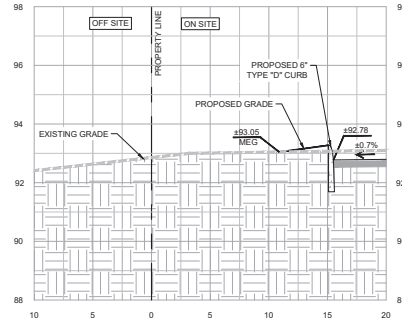
LEGEND		
	EXISTING EARTH	
	CONCRETE	
	ASPHALT PAVEMENT	



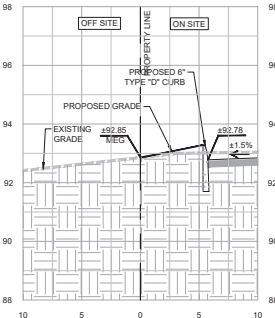
PROFILE A-A (DRIVEWAY AND POND 1)
SCALE: 1" IS 5' (VERTICAL) 1" IS 10' (HORIZONTAL)
NOTE: ELEVATIONS BASED NAVD 88 VERTICAL DATUM



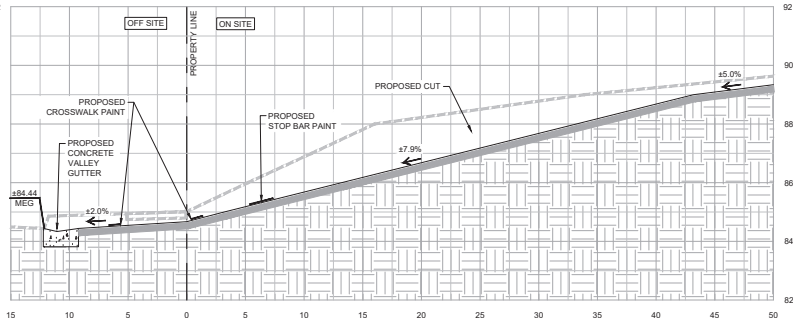
PROFILE B-B (WEST PROPERTY LINE)
SCALE: 1" IS 2' (VERTICAL) 1" IS 5' (HORIZONTAL)
NOTE: ELEVATIONS BASED NAVD 88 VERTICAL DATUM



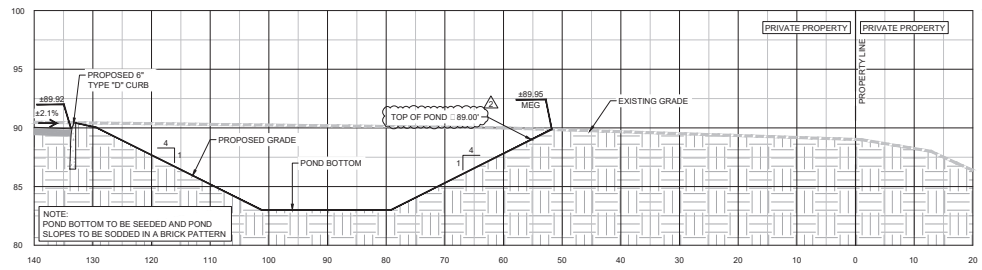
PROFILE C-C (SOUTH PROPERTY LINE)
SCALE: 1" IS 2' (VERTICAL) 1" IS 5' (HORIZONTAL)
NOTE: ELEVATIONS BASED NAVD 88 VERTICAL DATUM



PROFILE D-D (EAST PROPERTY LINE)
SCALE: 1" IS 2' (VERTICAL) 1" IS 5' (HORIZONTAL)
NOTE: ELEVATIONS BASED NAVD 88 VERTICAL DATUM



PROFILE E-E (SOUTH ACCESS RD DRIVEWAY CONNECTION TO SW 57TH AVE)
SCALE: 1" IS 2' (VERTICAL) 1" IS 5' (HORIZONTAL)
NOTE: ELEVATIONS BASED NAVD 88 VERTICAL DATUM



PROFILE F-F (POND 2)
SCALE: 1" IS 5' (VERTICAL) 1" IS 10' (HORIZONTAL)
NOTE: ELEVATIONS BASED NAVD 88 VERTICAL DATUM

POND 2 STAGING TABLE	
100 YEAR / 24 HR	85.33'
WQTV	83.54'
POND BOTTOM	83.00'
SHWE	80.00'
BASE OF AQUIFER	79.00'

PALMETTO CAPITAL GROUP
1643 WILLIAMSBURG SQUARE
LAKELAND, FL 33803
PHONE: (863) 806-1520

COMMON ARK
ENGINEERING

COMMON ARK ENGINEERING
400 EDGEWATER DRIVE
ORLANDO, FL 32804
(407) 961-8800
AUTHORIZATOR: 38844

BSRO FIRESTONE
MAJOR SITE PLAN
STORE FRID
STORE OF SW 89TH ST
&
SW 64th AVE
OCALA, FL 33476
MARION COUNTY

DATE	REVISION/ISSUE	COMMENTS
01/31/2025 <td>1 <td>ISSUED FOR PERMITS</td> </td>	1 <td>ISSUED FOR PERMITS</td>	ISSUED FOR PERMITS

ENGINEER'S NAME & SEAL
JEREMY R. ANDERSON, P.E.
FL LICENSE NO. 71636

PROJECT # **224.059**

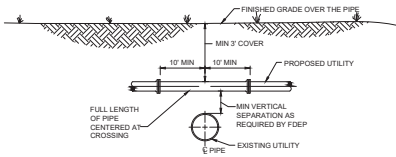
DATE **01/31/2025**

SCALE **N.T.S.**

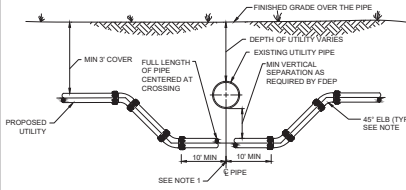
SHEET **C9.3**

PROFILES

Jeremy R. Anderson, State of Florida, Professional Engineer, License No. 71636
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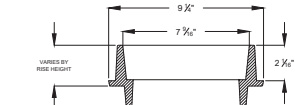


CONDITION 1 (SUFFICIENT COVER AND SEPARATION AVAILABLE)

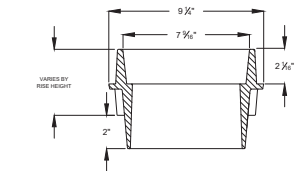


CONDITION 2 (SUFFICIENT SEPARATION AVAILABLE, SUFFICIENT COVER NOT AVAILABLE)

- NOTES:**
1. PIPING SHALL BE DUCTILE IRON WHEN CROSSING UNDER SANITARY SEWER OR STORMWATER UTILITIES.
 2. IF NOT D.I.P., CONCRETE AND CASING PER FDEP.

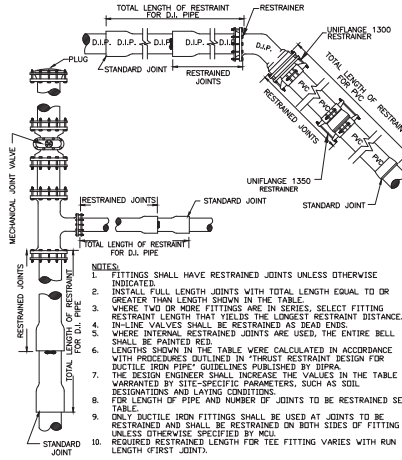


FOR RISERS 1" TO 2 1/2"

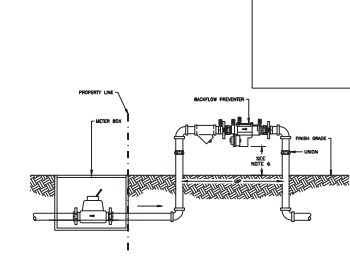


FOR RISERS 3" TO 6"

NOTES: 1. MUST BE SOLID CAST IRON CONSTRUCTION.



- NOTES:**
1. FITTINGS SHALL HAVE RESTRAINED JOINTS UNLESS OTHERWISE INDICATED.
 2. INSTALL FULL LENGTH JOINTS WITH TOTAL LENGTH EQUAL TO OR GREATER THAN LENGTH SHOWN IN THE TABLE.
 3. WHERE TWO OR MORE FITTINGS ARE IN SERIES, SELECT FITTING RESTRAINT LENGTH THAT YIELDS THE LONGEST RESTRAINT DISTANCE.
 4. IN-LINE VALVES SHALL BE RESTRAINED AS DEAD ENDS.
 5. WHERE INTERNAL RESTRAINED JOINTS ARE USED, THE ENTIRE BELL SHALL BE PAINTED RED.
 6. LENGTHS SHOWN IN THE TABLE WERE CALCULATED IN ACCORDANCE WITH PROCEDURES OUTLINED IN THRUST RESTRAINT DESIGN FOR DUCTILE IRON PIPE GUIDELINES PUBLISHED BY BSRP.
 7. THE DESIGN ENGINEER SHALL INCREASE THE VALUES IN THE TABLE AS WARRANTED BY SITE-SPECIFIC PARAMETERS, SUCH AS SOIL DESIGNATIONS AND LAYING CONDITIONS.
 8. FOR LENGTH OF PIPE AND NUMBER OF JOINTS TO BE RESTRAINED SEE TABLE.
 9. ONLY DUCTILE IRON FITTINGS SHALL BE USED AT JOINTS TO BE RESTRAINED AND SHALL BE RESTRAINED ON BOTH SIDES OF FITTING UNLESS OTHERWISE SPECIFIED BY NCL.
 10. REQUIRED RESTRAINT LENGTH FOR TEE FITTING VARIES WITH RUN LENGTH (FIRST JOINT).



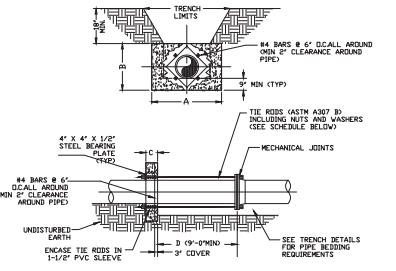
- NOTES:**
1. BACKFLOW PREVENTION ASSEMBLY SHALL BE INSTALLED AND MAINTAINED AS PER MICHIGAN COUNTY CROSS CONNECTION CONTROL ORDINANCE AND/OR PLUMBING CODE.
 2. BACKFLOW PREVENTER SHALL BE INSTALLED LEVEL AND FLUSH.
 3. MINIMUM CLEARANCE OF 24" TO BE MAINTAINED ABOVE ASSEMBLY FOR TESTING.
 4. ASSEMBLY MUST BE LISTED WITH THE UNIVERSITY OF MICHIGAN CALIFORNIA FOUNDATION FOR CROSS CONNECTION CONTROL AND HYDRAULIC RESEARCH.
 5. ALL BACKFLOW PREVENTION ASSEMBLIES MUST BE TESTED FOLLOWING INSTALLATION AND INITIATOR OF WATER SERVICE. THE BACKFLOW PREVENTION ASSEMBLY SHALL BE TESTED BY A CURRENT AMERICAN WATER WORKS ASSOCIATION (AWWA) AND/OR AMERICAN BACKFLOW PREVENTION ASSOCIATION (ABPA) BACKFLOW TESTER CERTIFICATE A COPY OF THE BACKFLOW PREVENTION ASSEMBLY TEST REPORT MUST BE SUBMITTED TO THE BACKFLOW & CCC COORDINATOR AT NCL WITHIN 14 DAYS FROM THE DATE OF INSTALLATION.
 6. MIN. 12" MIN. ABOVE FINISHED GRADE AND FLOOD-LEVEL.
 7. METERS LARGER THAN 1" VALVE, REQUIRE ASSOCIATION WITH NCL.

	MC/CC EFFECTIVE 04/13/2023	REVISION # NA	UTILITY CONFLICT	7.3.2	UT 113
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	MC/CC EFFECTIVE 04/13/2023	REVISION # NA	VALVE BOX RISER	7.3.2	UT 115
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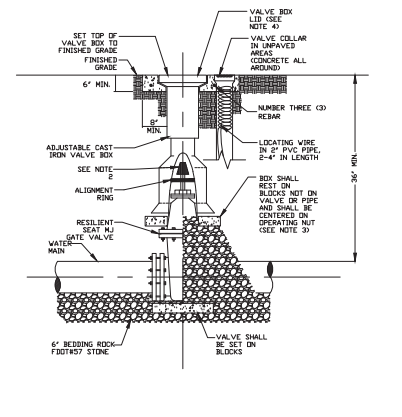
	MC/CC EFFECTIVE 04/13/2023	REVISION # NA	RESTRAINED PIPE TABLE	7.3.2	UT 116 A
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	MC/CC EFFECTIVE 04/13/2023	REVISION # 1	2" AND SMALLER REDUCED PRESSURE AND/OR DOUBLE CHECK BACKFLOW ASSEMBLY	7.3.2	UT 209
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PIPE SIZE (INCHES)	DIMENSIONS (FT.)				THE RODS REQ'D
	A	B	C	D	
6	2.0	6.0	1.0	3/4	4
8	2.5	6.5	1.0	3/4	2
10	3.0	7.0	1.0	3/4	4
12	3.0	7.0	1.0	3/4	4
16	4.0	8.0	1.5	3/4	4
20	5.0	9.0	1.5	3/4	6
24	6.0	10.0	1.5	3/4	8

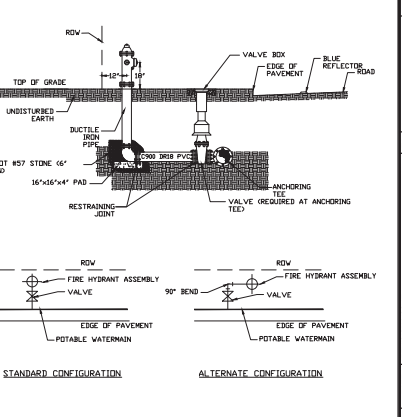
- NOTES:**
1. ADDITIONAL REINFORCEMENTS SHALL BE AS SPECIFIED BY THE ENGINEER.
 2. MINIMUM COMpressive STRENGTH FOR CONCRETE SHALL BE 3000 PSI.
 3. REINFORCING BARS AND CONNECTION SHALL BE AS SPECIFIED ELSEWHERE IN THE LATEST DEVELOPMENT CODE.
 4. ALL FORM BONDING SHALL BE REMOVED PRIOR TO BACKFILL.
 5. NO ALLOWANCE SHALL BE MADE FOR FRICTION BETWEEN THE PIPE WALL AND THRUST COLLAR.
 6. THRUST COLLAR: 150 PSI DESIGN PRESSURE.



- NOTES:**
1. PVC EXTENSIONS SHALL NOT BE USED ON VALVE BOX INSTALLATION (SEE UT115).
 2. THE ACTUATING NUT FOR VALVES DEEPER THAN SIX (6) FEET SHALL BE EXTENDED TO COME UP TO 3 FOOT DEPTH BELOW FINISHED GRADE.
 3. VALVE BOX SHALL BE SET ON FIVE (5) SLDI COMMON BLOCKS.
 4. VALVE BOX LID TO BE LETTERED WITH THE WORD "WATER" OR "RECLAIMED".
 5. INSTALL BRASS ID TAG IN CONCRETE.

Band Type	Pipe Length (ft)						Pipe Length (ft)
	4"	6"	8"	10"	12"	16"	
11-1/4"	2	3	4	5	6	8	9
12"	3	4	5	6	8	10	12
14"	4	5	6	8	10	12	14
16"	5	6	8	10	12	14	16
18"	6	8	10	12	14	16	18
20"	7	8	10	12	14	16	20
24"	8	10	12	14	16	18	24

Band Type	Pipe Length (ft)						Pipe Length (ft)
	4"	6"	8"	10"	12"	16"	
11-1/4"	2	3	4	5	6	8	9
12"	3	4	5	6	8	10	12
14"	4	5	6	8	10	12	14
16"	5	6	8	10	12	14	16
18"	6	8	10	12	14	16	18
20"	7	8	10	12	14	16	20
24"	8	10	12	14	16	18	24



- NOTES:**
1. BONNET COLORS SHALL BE IN ACCORDANCE WITH CODE 6182-G.
 2. HYDRANT SHALL BE T INSTEAD OF RIGHT-OF-WAY, WHEN POSSIBLE.
 3. BLUE REFLECTOR SHALL BE PLACED IN THE MIDDLE OF THE ADVANCE TRAVEL LANE.
 4. RADIUS OF CLEAR SPACE AROUND THE FIRE HYDRANT SHALL BE IN ACCORDANCE WITH NFPA STANDARDS NFPA 1. SEC. 8.5.5, AS AMENDED.

	MC/CC EFFECTIVE 04/13/2023	REVISION # NA	THRUST COLLAR WATER MAINS	7.3.2	UT 201
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	MC/CC EFFECTIVE 04/13/2023	REVISION # 2	GATE VALVE WATER AND RECLAIMED MAINS	7.3.2	UT 204
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	MC/CC EFFECTIVE 04/13/2023	REVISION # NA	RESTRAINED PIPE TABLE	7.3.2	UT 116 B
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	MC/CC EFFECTIVE 04/13/2023	REVISION # 2	FIRE HYDRANT ASSEMBLY	7.3.2	UT 210
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PALMETTO CAPITAL GROUP
1643 WILLIAMSBURG SQUARE
LAKELAND, FL 33803
PHONE: (863) 806-1520

COMMON MARK ENGINEERING

COMMON MARK ENGINEERING
4005 EQUUSWATER DRIVE
ORLANDO, FL 32804
407-845-8454
AUTHORITY: 15000
AUTHORIZATION: 28844

BSRO FIRESTONE
AT
STORE #103

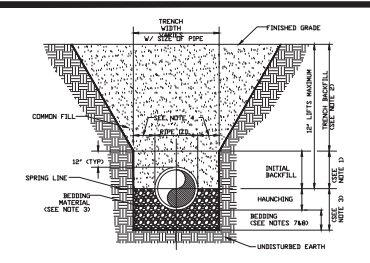
ENGINEER'S NAME & P.E. LICENSE NO. 71636

PROJECT # 224.059

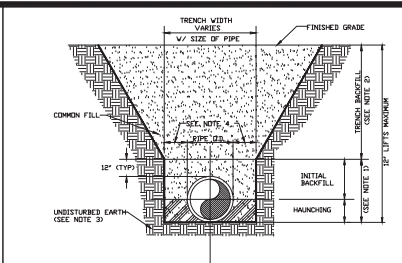
DATE SHEET 09/25/2024

SCALE N.T.S. **C10.1**

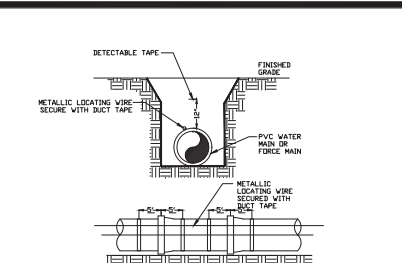
UTILITY DETAILS



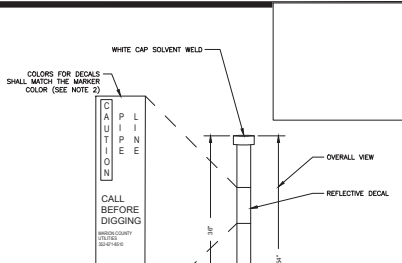
- NOTES:**
- INITIAL BACKFILL, COMMON FILL COMPACTED TO 95% (98% UNDER PAVEMENT) OF THE MAXIMUM DENSITY AS PER ASTM D 1557.
 - TRENCH BACKFILL, COMMON FILL COMPACTED TO 95% (98% UNDER PAVEMENT) OF THE MAXIMUM DENSITY AS PER ASTM D 1557.
 - BEDDING MATERIAL SHALL CONFORM TO FOOTING 33 AGGREGATE.
 - MAX. 1/2" MIN. FOR PIPE DIAMETER LESS THAN 24" AND 24" MAX 1/2" MIN FOR PIPE DIAMETER 24" AND LARGER.
 - PIPE SHALL NOT BE SETTLED IN THE TRENCH DURING CONSTRUCTION.
 - ALL PIPE TO BE INSTALLED WITH BELLY FACING UPSTREAM TO THE DIRECTION OF THE FLOW.
 - BEDDING DEPTH SHALL BE 4" MINIMUM FOR PIPE DIAMETER UP TO 12" AND 6" MINIMUM FOR PIPE DIAMETER 18" AND LARGER.
 - DEPTH FOR REMOVAL OF UNSUITABLE MATERIAL SHALL GOVERN DEPTH OF BEDDING ROCK BELOW PIPE UTILITIES SHALL BE 18" MINIMUM.
 - FINAL REGULATION IN IMPROVED AREAS SHALL BE IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS OF GOVERNING AGENCIES. SURFACE RESTRICTION WITHIN MARION COUNTY RIGHT-OF-WAY SHALL COMPLY WITH REQUIREMENTS OF RIGHT-OF-WAY UTILIZATION REGULATIONS AND ROAD CONSTRUCTION SPECIFICATIONS.
 - ONE COMPACTION TEST SHALL BE REQUIRED FOR EACH LIFT NOT TO EXCEED 80'.



- NOTES:**
- INITIAL BACKFILL AND HANCHED SELECT COMMON FILL COMPACTED TO 95% (98% UNDER PAVEMENT) OF THE MAXIMUM DENSITY AS PER ASTM D 1557.
 - TRENCH BACKFILL, COMMON FILL COMPACTED TO 95% (98% UNDER PAVEMENT) OF THE MAXIMUM DENSITY AS PER ASTM D 1557.
 - PIPE BEDDING UTILIZING SELECT COMMON FILL OR BEDDING ROCK IN ACCORDANCE WITH BEDDING AND TRENCHING 1 DETAILS MAY BE REQUIRED AS DIRECTED BY NCI.
 - MAX. 1/2" MIN. FOR PIPE DIAMETER LESS THAN 24" AND 24" MAX 1/2" MIN FOR PIPE DIAMETER 24" AND LARGER.
 - DEPTH FOR REMOVAL OF UNSUITABLE MATERIAL SHALL GOVERN DEPTH OF BEDDING ROCK BELOW PIPE UTILITIES SHALL BE 18" MINIMUM.
 - FINAL REGULATION IN IMPROVED AREAS SHALL BE IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS OF GOVERNING AGENCIES. SURFACE RESTRICTION WITHIN MARION COUNTY RIGHT-OF-WAY SHALL COMPLY WITH REQUIREMENTS OF RIGHT-OF-WAY UTILIZATION REGULATIONS AND ROAD CONSTRUCTION SPECIFICATIONS.
 - ONE COMPACTION TEST SHALL BE REQUIRED FOR EACH LIFT NOT TO EXCEED 80'.



- NOTES:**
- PVC PIPE SHALL REQUIRE INSULATED METALLIC LOCATING WIRE (10 GAUGE COPPER) CAPABLE OF DETECTION BY A CABLE LOCATOR AND SHALL BE BURIED ON TOP OF THE PIPE.
 - LOCATING WIRE SHALL TERMINATE AT EACH VALVE BOX AND BE CAPABLE OF EXTENDING 12" ABOVE TOP OF BOX IN SUCH A MANNER SO AS NOT TO INTERFERE WITH VALVE OPERATION PER UT 110.
 - ALL WIRE CONNECTIONS SHALL BE SPliced TOGETHER USING WATERTIGHT WIRE NUTS.
 - FOR HORIZONTAL DIRECTIONAL DRILLING, UTILIZE 2 LOCATING WIRES EACH WITH A BREAK LOAD OF 250LB FORCE.
 - DETECTABLE TAPE SHALL BE 1' ABOVE THE CENTERLINE OF THE PIPE.



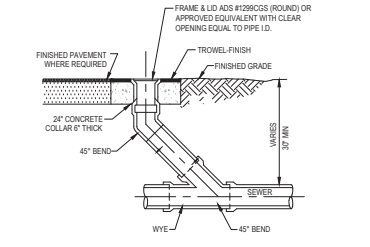
- NOTES:**
- MARKERS ARE REQUIRED WHEN UTILITY MAIN IS LOCATED OVER 30 FEET FROM EDGE OF PAVEMENT OR IN AN EXPANDED WALKWAY TO THE RIGHT-OF-WAY.
 - MARKERS SHALL BE 4" DIAMETER SCHED DRIP PVD BLUE FOR WATER, GREEN FOR WASTEWATER, AND PAINTED PURPLE DISC FOR RECLAIMED WATER.
 - MARKERS SHALL BE PLACED AT ALL VALVES THAT MEET NOTE 1 EXCEPT WATER VALVES NEAR FIRE HYDRANTS.
 - ADDITIONAL MARKERS SHALL BE INSTALLED AS NEEDED SO THAT THE DISTANCE BETWEEN MARKERS DOES NOT EXCEED 100 FEET.

7.3.2 **BEDDING AND TRENCHING 1**
UT 102

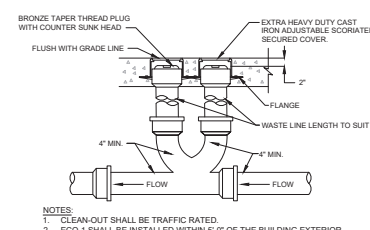
7.3.2 **BEDDING AND TRENCHING 2**
UT 103

7.3.2 **PIPE LOCATING WIRE AND DETECTABLE TAPE**
UT 104

7.3.2 **UTILITY MAIN MARKER**
UT 109

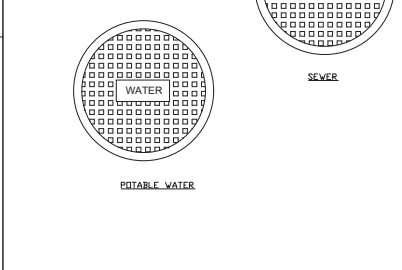
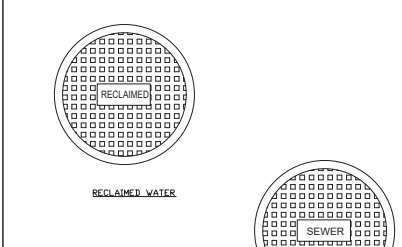


1 SANITARY SEWER CLEANOUTS

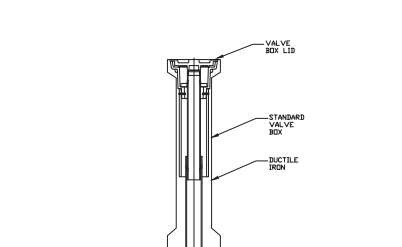


- NOTES:**
- CLEAN-OUT SHALL BE TRAFFIC RATED.
 - ECO-1 SHALL BE INSTALLED WITHIN 5'-0\"/>

7.3.2 **2-WAY CLEANOUTS**
UT 110

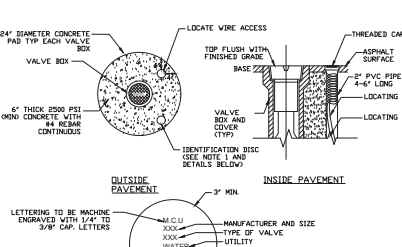


7.3.2 **TYPICAL VALVE BOX COVER**
UT 110



7.3.2 **SEALED VALVE BOX, ADJUSTABLE**
UT 111

- NOTES:**
- FOR ALL MAINS 6\"/>



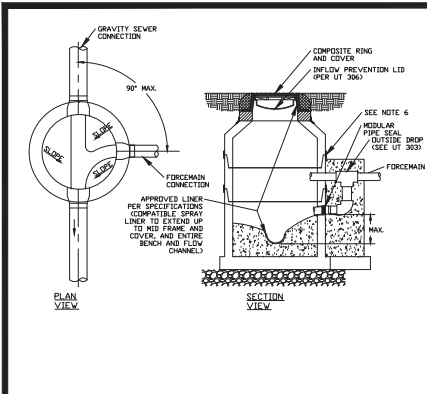
7.3.2 **VALVE BOX PAD**
UT 112

- NOTES:**
- BRONZE (OR STAINLESS STEEL) IDENTIFICATION DISC SHALL BE REQUIRED FOR ALL VALVES, EXCEPT HYDRANT VALVES.
 - LOCATING WIRE SHALL TERMINATE AT EACH VALVE BOX AND BE CAPABLE OF EXTENDING 12\"/>

PALMETTO CAPITAL GROUP
1643 WILLIAMSBURG SQUARE
LAKELAND, FL 33803
PHONE: (863) 808-1320

BSRO FIRESTONE
MAJOR SITE PLAN
NWC OF SW 81ST ST & SW 45th AVE
OCALA, FL 33476
MARION COUNTY

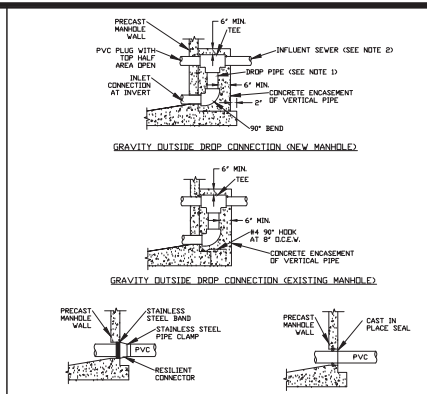
DATE:	01/31/2025
PROJECT #	224.059
REVISION #	1
ENGINEER'S NAME & P.E. LICENSE NO.	Jeremy R. Anderson, P.E. License No. 71638
SCALE	N.T.S.
CAD FILE	C10
SHEET	11
TOTAL SHEETS	11
PROJECT TITLE	UTILITY DETAILS



NOTES:

1. FORCEMAIN ORIENTED TO FACILITATE FLOW AND SHALL ENTER MANHOLE BETWEEN 1' AND 6" ABOVE INVERT OF THE EFFLUENT PIPE.
2. BENCH AS REQUIRED FOR NEW FORCEMAIN SHALL HAVE MCO APPROVED LINER INSTALLED.
3. MANHOLE RECEIVING FORCEMAIN SHALL BE LINED PER MARION COUNTY LAND DEVELOPMENT CODE FOR CONNECTIONS TO EXISTING MANHOLES. MANHOLE RECEIVING FORCEMAIN SHALL BE LINED PER MARION COUNTY LAND DEVELOPMENT CODE.
4. CONTRACTOR TO COORDINATE THE PRESENCE OF MCO INSPECTOR DURING CURING AND CONNECTIONS TO EXISTING MANHOLES.
5. ALL DOWNSTREAM MANHOLES WITHIN 400' OF THE CONNECTION SHALL BE LINED.
6. ALL MANHOLES SHALL BE EXTERNALLY HEAT SHRINK WRAPPED.
7. IN LIEU OF SHRINK WRAPPING, MANHOLES SHALL BE VACUUM TESTED IN ACCORDANCE WITH ASTM C1244 OR HYDROSTATIC TESTED IN ACCORDANCE WITH ASTM E599 AS REQUIRED BY MCO.
8. SHRINK WRAPPING/TESTING MUST BE INSPECTED IN PERSON, OR THROUGH AN MCO APPROVED METHOD, BY AN MCO CONSTRUCTION REPRESENTATIVE.

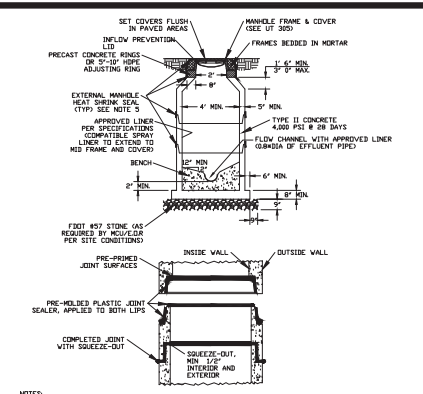
	MCO EFFECTIVE 04/13/2023	7.3.2		MCO EFFECTIVE 04/13/2023	7.3.2
REVISION # 2	FORCEMAIN TO GRAVITY SEWER CONNECTION	UT 302	REVISION # 2	GRAVITY MANHOLE CONNECTION	UT 303



NOTES:

1. DROP PIPE AND FITTINGS SHALL BE OF EQUAL SIZE AND MATERIAL AS THE INFLUENT SEWER.
2. AN OUTSIDE DROP CONNECTION SHALL BE REQUIRED FOR ALL INFLUENT LINES WHICH HAVE AN INVERT 6" OR MORE ABOVE THE MANHOLE INVERT. ALL MANHOLES WITH DROP CONNECTIONS MUST BE LINED AND HAVE COMPOSITE RING AND COVER.
3. CONTRACTOR TO COORDINATE THE PRESENCE OF MCO INSPECTOR DURING CURING AND CONNECTIONS TO EXISTING MANHOLES.
4. POUR NEW BENCH FOR CONNECTION PER UT 300.

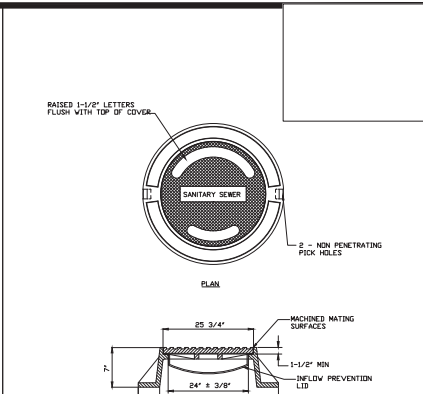
	MCO EFFECTIVE 04/13/2023	7.3.2		MCO EFFECTIVE 04/13/2023	7.3.2
REVISION # 2	GRAVITY MANHOLE CONNECTION	UT 303	REVISION # 2	GRAVITY MANHOLE CONNECTION	UT 303



NOTES:

1. DROP CONNECTIONS ARE REQUIRED UNLESS INVERT OF INFLUENT SEWER IS 6" OR MORE ABOVE THE INVERT OF THE MANHOLE. SEE GRAVITY MANHOLE CONNECTION DETAIL UT 302.
2. EXISTING CHASES MAY ONLY BE USED FOR CONDUIT CONNECTION WITH MCO APPROVAL. ALL MANHOLES REQUIRING DROP CONNECTIONS SHALL COMPLY WITH UT 303.
3. A FLOW CHANNEL SHALL BE CONSTRUCTED INSIDE MANHOLE TO DIRECT EFFLUENT INTO FLOW STREAM.
4. LIFT HOLES THROUGH STRUCTURE ARE NOT PERMITTED.
5. USE EXTERNAL WRAP TO TIGHTLY WRAP MANHOLE AROUND CASTING JOINTS AND APPLY HIGH DENSITY PROPANE TONGUE TO EFFECTIVELY SEAL THEM FROM UPGRADE WATER AND WATER. ALL LATERAL HEAT SHRINK WRAPS SHALL BE DROPPED IN PERSON OR THROUGH A MCO APPROVED METHOD, BY AN MCO CONSTRUCTION REPRESENTATIVE.
6. INFLOW PREVENTION LIDS SHALL BE REQUIRED FOR ALL MANHOLES.
7. PRECAST CONCRETE RINGS MAY BE SUBSTITUTED FOR PIPE RINGS.
8. SECTION RESISTE VARIET AS REQUIRED, AND AS AVAILABLE.
9. IN LIEU OF SHRINK WRAPPING, MANHOLES SHALL BE VACUUM TESTED IN ACCORDANCE WITH ASTM C1244 OR HYDROSTATIC TESTED IN ACCORDANCE WITH ASTM E599 AS REQUIRED BY MCO.
10. FLOW CHANNEL, SLOPE AND WIDTH CANNOT BE LESS THAN 80% OF OUTFLOW PIPE.

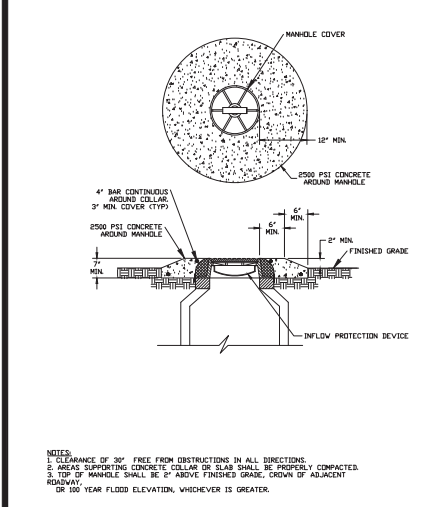
	MCO EFFECTIVE 04/13/2023	7.3.2		MCO EFFECTIVE 04/13/2023	7.3.2
REVISION # 2	PRECAST CONCRETE MANHOLE	UT 306	REVISION # 2	PRECAST CONCRETE MANHOLE	UT 306



NOTES:

RING AND COVER SHALL BE COMPOSITE FOR DROP AND FORCEMAIN CONNECTIONS

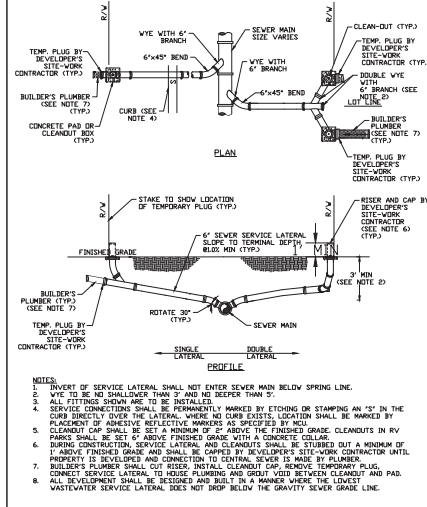
	MCO EFFECTIVE 04/13/2023	7.3.2		MCO EFFECTIVE 04/13/2023	7.3.2
REVISION # 2	STANDARD SEWER MANHOLE FRAME AND COVER	UT 305	REVISION # 2	STANDARD SEWER MANHOLE FRAME AND COVER	UT 305



NOTES:

1. CLEARANCE OF 30" FREE FROM OBSTRUCTIONS IN ALL DIRECTIONS.
2. AREAS SUPPORTING CONCRETE COLLAR OR SLAB SHALL BE PROPERLY COMPACTED.
3. TOP OF MANHOLE SHALL BE 6" ABOVE FINISHED GRADE, CROWN OF ADJACENT ROADWAY OR 100 YEAR FLOOD ELEVATION, WHICHEVER IS GREATER.

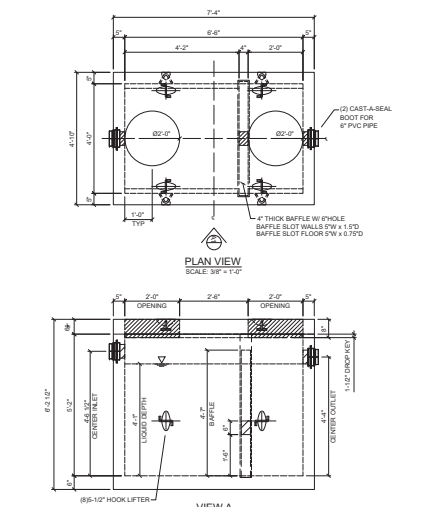
	MCO EFFECTIVE 04/13/2023	7.3.2		MCO EFFECTIVE 04/13/2023	7.3.2
REVISION # 1	MANHOLE IN NON-PAVED AREA	UT 309	REVISION # 2	SEWER SERVICE LATERAL	UT 312



NOTES:

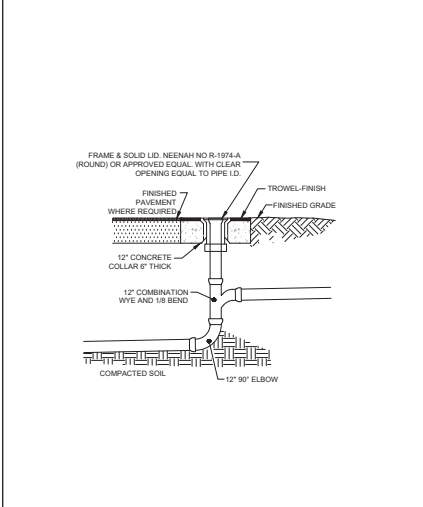
1. INVERT OF SERVICE LATERAL SHALL NOT ENTER SEWER MAIN BELOW SPRING LINE.
2. VYE TO BE NO SHALLOWER THAN 3" AND NO DEEPER THAN 5".
3. ALL FITTINGS SHALL BE 90 DEGREE.
4. SERVICE CONNECTIONS SHALL BE PERMANENTLY MARKED BY ETCHING OR STAMPING AN "S" IN THE CURB DIRECTLY OVER THE LATERAL, WHERE NO CURB EXISTS, LOCATION SHALL BE MARKED BY PLACEMENT OF ADHESIVE REFLECTIVE MARKERS AS SPECIFIED BY MCO.
5. CLEANOUT CAP SHALL BE SET A MINIMUM OF 2" ABOVE THE FINISHED GRADE. CLEANOUTS IN RV PARKS SHALL BE SET 6" ABOVE FINISHED GRADE WITH A CONCRETE COLLAR.
6. DURING CONSTRUCTION, SERVICE LATERALS AND CLEANOUTS SHALL BE STUBBED OUT A MINIMUM OF 1' ABOVE FINISHED GRADE AND SHALL BE COVERED BY DEVELOPER'S SITE-WORK CONTRACTOR UNTIL PROPERTY IS DEVELOPED AND CONNECTION TO CENTRAL SEWER IS MADE BY PLUMBER.
7. BUILDER PLUMBER SHALL 100% TEST INSTALL CLEANOUT CAP SERVICE TEMPORARY PLUG. CONNECT SERVICE LATERAL TO HOUSE PLUMBING AND GROUND VOID BETWEEN CLEANOUT AND PAD. ALL DEVELOPMENT SHALL BE TESTED AND BUILT IN A MANNER WHERE THE LOWEST WASTEWATER SERVICE LATERAL DOES NOT DROP BELOW THE GRAVITY SEWER GRADE LINE.

	MCO EFFECTIVE 04/13/2023	7.3.2		MCO EFFECTIVE 04/13/2023	7.3.2
REVISION # 2	SEWER SERVICE LATERAL	UT 312	REVISION # 2	SEWER SERVICE LATERAL	UT 312



VIEW A
SCALE: 3/8" = 1'-0"

	MCO EFFECTIVE 04/13/2023	7.3.2		MCO EFFECTIVE 04/13/2023	7.3.2
REVISION # 2	750 GALLON OIL/WATER SEPARATOR NTS	UT 312	REVISION # 2	750 GALLON OIL/WATER SEPARATOR NTS	UT 312



VIEW A
SCALE: 3/8" = 1'-0"

	MCO EFFECTIVE 04/13/2023	7.3.2		MCO EFFECTIVE 04/13/2023	7.3.2
REVISION # 2	DROP CLEANOUT NTS	UT 312	REVISION # 2	DROP CLEANOUT NTS	UT 312

PALMETTO CAPITAL GROUP
1643 WILLIAMSBURG SQUARE
LAKELAND, FL 33803
PHONE: (863) 808-1520

COMMON
MARK

COMMON OAK ENGINEERING
4000 EDGEWATER DRIVE
ORLANDO, FL 32804
LIFT 86-5618
LIFT 86-5619
AUTHORITY OR
AUTHORIZATION: 28844

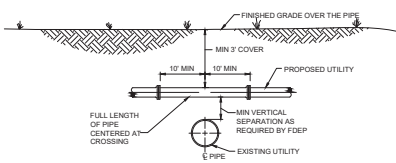
BSRO FIRESTONE
DATE: 09/25/2024
SCALE: N.T.S.
PROJECT # 224.059

ENGINEER'S NAME & P.E. LICENSE NO. 71636
JEREMY R. ANDERSON, P.E.
P.E. LICENSE NO. 71636

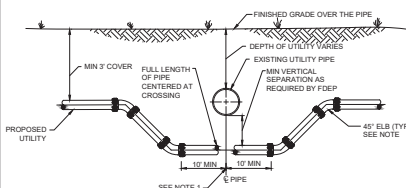
DATE SHEET
09/25/2024
SCALE
N.T.S.
PROJECT # 224.059

UTILITY DETAILS

Jeremy R. Anderson, State of Florida, Professional Engineer, License No. 71636
This item has been digitally signed and sealed by Jeremy R. Anderson, P.E. 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.

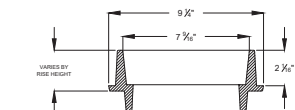


CONDITION 1 (SUFFICIENT COVER AND SEPARATION AVAILABLE)

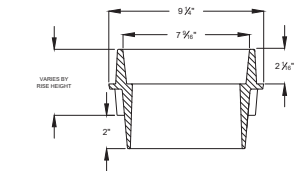


CONDITION 2 (SUFFICIENT SEPARATION AVAILABLE, SUFFICIENT COVER NOT AVAILABLE)

NOTES:
 1. PIPING SHALL BE DUCTILE IRON WHEN CROSSING UNDER SANITARY SEWER OR STORMWATER UTILITIES.
 2. IF NOT D.I.P., CONCRETE AND CASING PER FDEP.

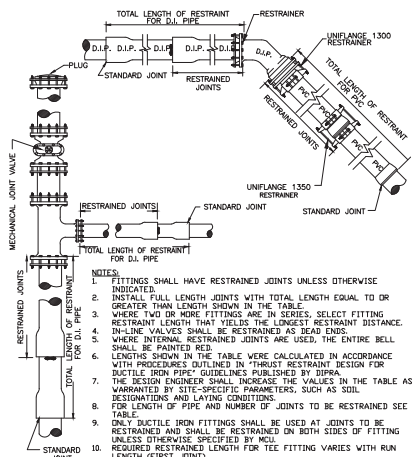


FOR RISERS 1" TO 2 1/2"

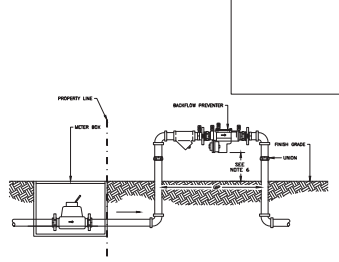


FOR RISERS 3" TO 6"

NOTES: 1. MUST BE SOLID CAST IRON CONSTRUCTION.



NOTES:
 1. FITTINGS SHALL HAVE RESTRAINED JOINTS UNLESS OTHERWISE INDICATED.
 2. INSTALL FULL LENGTH JOINTS WITH TOTAL LENGTH EQUAL TO OR GREATER THAN LENGTH SHOWN IN THE TABLE.
 3. WHERE TWO OR MORE FITTINGS ARE IN SERIES, SELECT FITTING RESTRAINT LENGTH THAT YIELDS THE LONGEST RESTRAINT DISTANCE.
 4. IN-LINE VALVES SHALL BE RESTRAINED AS DEAD ENDS.
 5. WHERE INTERNAL RESTRAINED JOINTS ARE USED, THE ENTIRE BELL SHALL BE PAINTED RED.
 6. LENGTHS SHOWN IN THE TABLE WERE CALCULATED IN ACCORDANCE WITH PROCEDURES OUTLINED IN "THRUST RESTRAINT DESIGN FOR DUCTILE IRON PIPE" GUIDELINES PUBLISHED BY BSRPA.
 7. THE DESIGN ENGINEER SHALL INCREASE THE VALUES IN THE TABLE AS WARRANTED BY SITE-SPECIFIC PARAMETERS, SUCH AS SOIL DESIGNATIONS AND LAYING CONDITIONS.
 8. FOR LENGTH OF PIPE AND NUMBER OF JOINTS TO BE RESTRAINED SEE TABLE.
 9. ONLY DUCTILE IRON FITTINGS SHALL BE USED AT JOINTS TO BE RESTRAINED AND SHALL BE RESTRAINED ON BOTH SIDES OF FITTING UNLESS OTHERWISE SPECIFIED BY NCL.
 10. REQUIRED RESTRAINT LENGTH FOR TEE FITTING VARIES WITH RUN LENGTH (FIRST JOINT).



NOTES:
 1. BACKFLOW PREVENTION ASSEMBLY SHALL BE INSTALLED AND MAINTAINED AS PER MICHIGAN COUNTY CROSS CONNECTION CONTROL ORDINANCE AND/OR PLUMBING CODE.
 2. BACKFLOW PREVENTER SHALL BE INSTALLED LEVEL AND 18 INCH MINIMUM CLEARANCE OF 24" TO BE MAINTAINED ABOVE ASSEMBLY FOR TESTING.
 3. ASSEMBLY MUST BE LISTED WITH THE UNIVERSITY OF MICHIGAN CALIFORM FOUNDATION FOR CROSS CONNECTION CONTROL AND HYDRAULIC RESEARCH.
 4. ALL BACKFLOW PREVENTION ASSEMBLIES MUST BE TESTED FOLLOWING INSTALLATION AND INITIAL FILL OF WATER SERVICE. THE BACKFLOW PREVENTION ASSEMBLY TESTER SHALL PRESENT A CURRENT AMERICAN WATER WORKS ASSOCIATION (AWWA) AND/OR AMERICAN BACKFLOW PREVENTION ASSOCIATION (ABPA) BACKFLOW TESTER CERTIFICATE A COPY OF THE BACKFLOW PREVENTION ASSEMBLY TEST REPORT MUST BE SUBMITTED TO THE BACKFLOW & CCC COORDINATOR AT NCL WITHIN 14 DAYS FROM THE DATE OF INSTALLATION.
 5. 100' OF 1 1/2" DUCTILE IRON PIPE SHALL BE PROVIDED ABOVE AND BELOW EACH ASSEMBLY.
 6. METERS LARGER THAN 2" VALVE ASSEMBLY WITH NCL.

UTILITY CONFLICT
 MCHRC EFFECTIVE 04/13/2003
 REVISION # NA
 UT 113

VALVE BOX RISER
 MCHRC EFFECTIVE 04/13/2003
 REVISION # NA
 UT 115

RESTRAINED PIPE TABLE
 MCHRC EFFECTIVE 04/13/2003
 REVISION # NA
 UT 116 A

2" AND SMALLER REDUCED PRESSURE AND/OR DOUBLE CHECK BACKFLOW ASSEMBLY
 MCHRC EFFECTIVE 04/13/2003
 REVISION # 1
 UT 209

UTILITY CONFLICT
 MCHRC EFFECTIVE 04/13/2003
 REVISION # NA
 UT 113

SCHEDULE OF DIMENSIONS AND MATERIALS

PIPE SIZE (INCHES)	DIMENSIONS (FT.)				THE RODS REQ'D
	A	B	C	D	
6	2.0	6.0	1.0	3/4	4
8	2.5	6.5	1.0	3/4	4
10	3.0	7.0	1.0	3/4	4
12	3.0	7.0	1.0	3/4	4
16	4.0	8.0	1.5	3/4	4
20	5.0	9.0	1.5	3/4	6
24	6.0	10.0	1.5	3/4	8

NOTES:
 1. ADDITIONAL REINFORCEMENTS SHALL BE AS SPECIFIED BY THE ENGINEER.
 2. MINIMUM COMpressive STRENGTH FOR CONCRETE SHALL BE 3000 PSI.
 3. BEDDING, BACKFILL AND COMPACTION SHALL BE AS SPECIFIED ELSEWHERE IN THE LAND DEVELOPMENT CODE.
 4. ALL FORM BOWING SHALL BE REMOVED PRIOR TO BACKFILL.
 5. NO ALLOWANCE SHALL BE MADE FOR FRICTION BETWEEN THE PIPE WALL AND THRUST COLLAR.
 6. THRUST COLLAR 150 PSI DESIGN PRESSURE.

VALVE BOX RISER
 MCHRC EFFECTIVE 04/13/2003
 REVISION # NA
 UT 115

NOTES:
 1. PVC EXTENSIONS SHALL NOT BE USED ON VALVE BOX INSTALLATION (SEE UTILITY).
 2. THE ACTUATING NUT FOR VALVES DEEPER THAN SIX (6) FEET SHALL BE EXTENDED TO CONE UP TO 3 FOOT DEPTH BELOW FINISHED GRADE.
 3. VALVE BOX SHALL BE SET ON FIVE (5) SLOID COMMON BLOCKS.
 4. VALVE BOX LID TO BE LETTERED WITH THE WORD "WATER" OR "RECLAIMED".
 5. INSTALL BRASS ID TAG IN CONCRETE.

RESTRAINED PIPE TABLE
 MCHRC EFFECTIVE 04/13/2003
 REVISION # NA
 UT 116 B

MINIMUM RESTRAINED LENGTH (FT)
 - EACH SIDE OF FITTING AND VALVE
 - FOR D.I.P., PE ENCASED DIP OR BARE PVC VD=VERTICAL-UP
 - WATER MAIN: PRESSURE: 150 PSI. DEPTH OF COVER: 3.0
 H=HORIZONTAL
 VU=VERTICAL-UP
 VD=VERTICAL-DOWN

Band Type	Pipe Length (ft)					Pipe Length (ft)				
	4"	6"	8"	10"	12"	16"	20"	24"	30"	36"
11-1/4"	2	3	4	5	6	8	10	12	15	18
12-1/2"	2	3	4	5	6	8	10	12	15	18
14"	2	3	4	5	6	8	10	12	15	18
16"	2	3	4	5	6	8	10	12	15	18
18"	2	3	4	5	6	8	10	12	15	18
20"	2	3	4	5	6	8	10	12	15	18
24"	2	3	4	5	6	8	10	12	15	18

MINIMUM DESIGN CRITERIA
 Bedding Type: 4
 Safety Factor: 1.5
 Soil: Sand-Silt
 Run Length (First Joint): 10 ft.

FIRE HYDRANT ASSEMBLY
 MCHRC EFFECTIVE 04/13/2003
 REVISION # 2
 UT 210

NOTES:
 1. BONNET COLORS SHALL BE IN ACCORDANCE WITH CODE 6182-G.
 2. HYDRANT SHALL BE T INCE OF RIGHT-OF-WAY, WHEN POSSIBLE.
 3. BLUE REFLECTOR SHALL BE PLACED IN THE MIDDLE OF THE ADJACENT TRAVEL LANE.
 4. RADIUS OF CLEAR SPACE AROUND THE FIRE HYDRANT SHALL BE IN ACCORDANCE WITH NFPA STANDARDS NFPA 1. SEC. 8.5.5, AS AMENDED.

THRUST COLLAR WATER MAINS
 MCHRC EFFECTIVE 04/13/2003
 REVISION # NA
 UT 201

GATE VALVE WATER AND RECLAIMED MAINS
 MCHRC EFFECTIVE 04/13/2003
 REVISION # 2
 UT 204

RESTRAINED PIPE TABLE
 MCHRC EFFECTIVE 04/13/2003
 REVISION # NA
 UT 116 B

FIRE HYDRANT ASSEMBLY
 MCHRC EFFECTIVE 04/13/2003
 REVISION # 2
 UT 210

Palmetto Capital Group
 1643 WILLIAMSBURG SQUARE
 LAKELAND, FL 33803
 PHONE: (863) 808-1520

COMMON MARK
 CONSTRUCTION

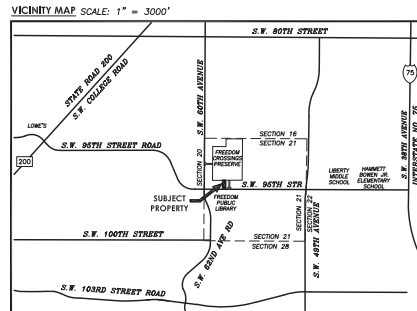
BSRO FIRESTONE
 MAJOR SITE PLAN
 STORE FRID
 NWC OF SW 91ST ST
 &
 SW 16th AVE
 Ocala, FL 33476
 MARION COUNTY

ENGINEER'S NAME & P.E. LICENSE NO. 71636
 PROJECT # 224.059
 SHEET 01/31/2025
 SCALE N.T.S.
 UTILITY DETAILS

Jeremy R. Anderson, State of Florida, Professional Engineer, License No. 71636
 This item has been digitally signed and sealed by Jeremy R. Anderson, P.E., 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.

SECTION 21, TOWNSHIP 16 SOUTH, RANGE 21 EAST
MARION COUNTY, FLORIDA

STATE PLANE COORDINATES table with columns: POINT, NORTHING, EASTING, SCALE FACTOR. Points A, B, C, D, E are listed with their respective coordinates and a scale factor of 0.999946351.



- NOTES:
1. DATE OF FIELD SURVEY: AUGUST 1, 2024.
2. SUBJECT TO RIGHTS OF WAY, RESTRICTIONS, EASEMENTS AND RESERVATIONS OF RECORD.
3. UNLESS OTHERWISE SHOWN, UNDERGROUND IMPROVEMENTS NOT LOCATED.
4. PUBLIC RECORDS NOT SEARCHED BY R.M. BARRINEAU & ASSOCIATES, INC.
5. BEARINGS ARE ASSUMED BASED ON THE WEST BOUNDARY OF THE N.W. 1/4 OF SECTION 21, TOWNSHIP 16 SOUTH, RANGE 21 EAST AS BEING S.00'32'01"W.
6. VERTICAL DATUM BASED ON CITY OF Ocala ENGINEERING CONTROL POINT COED 0013 WITH AN ELEVATION OF 84.75', NAVD-88.
7. ORIENTATION FOR THE IMPROVEMENTS SHOWN HEREON SHOULD NOT BE USED TO RECONSTRUCT BOUNDARY LINES.
8. ADDITIONS OR DELETIONS TO SURVEY MAPS BY OTHER THAN THE SIGNING PARTY OR PARTIES IS PROHIBITED WITHOUT WRITTEN CONSENT OF THE SIGNING PARTY OR PARTIES.
9. THIS SURVEY DEPICTS THE PROPERTY AS IT EXISTED ON THE SURVEY DATE, NOT NECESSARILY THE SIGNATURE DATE.
10. THIS SURVEY HAS BEEN PREPARED FOR THE EXCLUSIVE BENEFIT OF THE PARTY(ES) NAMED HEREON, AND SHALL NOT BE DUPLICATED OR RELIED UPON BY ANY OTHER INDIVIDUAL OR ENTITY WITHOUT AUTHORIZATION FROM R.M. BARRINEAU & ASSOCIATES, INC.
11. THERE WAS NO APPARENT WETLAND DELINEATION DONE ON THE SUBJECT PARCEL AT THE TIME OF THE SURVEY.
12. ALL ABOVE GROUND IMPROVEMENTS ARE SHOWN HEREON.
13. THERE IS NO OBSERVED EVIDENCE OF EARTHMOVING ON THE SUBJECT PARCEL AT THE TIME OF THE SURVEY.
14. THERE IS NO OBSERVED EVIDENCE OF SOLID WASTE DUMPING OR LANDFILL ON THE SUBJECT PARCEL AT THE TIME OF THE SURVEY.
15. THERE IS NO OBSERVED EVIDENCE OF CONTEMPLATED ROADWAY CHANGES OR CONSTRUCTION ON THE SUBJECT PARCEL AT THE TIME OF THE SURVEY.
16. THERE IS NO OBSERVED EVIDENCE OF SIDEWALK CONSTRUCTION OR REPAIRS ON THE SUBJECT PARCEL AT THE TIME OF THE SURVEY.
17. FIELD MEASUREMENTS DO NOT EXCEED THE MAXIMUM RELATIVE POSITIONAL PRECISION SET FORTH BY THE CURRENT ALTA/NSPS MINIMUM STANDARD DETAIL REQUIREMENTS.
18. STATE PLANE COORDINATES ARE BASED ON FLORIDA WEST GRID NAD-83 (CORS98)(EPOCH:2002.0000), BASED ON TRIMBLE A VERTICAL REFERENCE STATION NETWORK AND REFERENCED TO THE CITY OF Ocala ENGINEERING DEPARTMENT CONTROL POINT 0013. ALL DISTANCES SHOWN HEREIN ARE GROUND DISTANCES.

- SCHEDULE B-2 ITEMS:
ABSTRACT INFORMATION WAS PROVIDED BY TITLE COMMITMENT NO. 110365551, ISSUED BY FIRST AMERICAN TITLE INSURANCE COMPANY FOR FLORIDA FIRST TITLE & TRANSACTION, SERVICES, LLC, BEARING AN COMMITMENT DATE OF JUNE 18, 2024. THE FOLLOWING NOTES CORRESPOND TO SCHEDULE B SECTION 2 ITEMS:
ITEM 9: AGREEMENT AS RECORDED IN OFFICIAL RECORDS BOOK 2696, PAGE 1518 AFFECTS SUBJECT PROPERTY, IS BLANKET IN NATURE, CONTAINING NO SPECIFIC LOCATION, AND IS NOT DEPICTED HEREIN.
ITEM 10: PERPETUAL RIGHT OF WAY EASEMENT AS RECORDED IN OFFICIAL RECORDS BOOK 2751, PAGE 1629 DOES NOT AFFECT SUBJECT PROPERTY AND IS NOT DEPICTED.
ITEM 11: ACCESS MANAGEMENT AND DEVELOPMENT AGREEMENT AS RECORDED IN OFFICIAL RECORDS BOOK 7308, PAGE 347 AFFECT SUBJECT PROPERTY, IS NOT SURVEY RELATED AND IS NOT DEPICTED HEREIN.
ITEM 12: PERPETUAL UTILITY EASEMENT AS RECORDED IN OFFICIAL RECORDS BOOK 5528, PAGE 1127 AFFECTS SUBJECT PROPERTY AND IS DEPICTED HEREIN.
ITEM 13: EASEMENTS AS RECORDED IN OFFICIAL RECORDS BOOK 7006, PAGE 1177 AND CORRECTED IN OFFICIAL RECORDS BOOK 7243, PAGE 690 DO NOT AFFECT SUBJECT PROPERTY AND IS DEPICTED HEREIN.
ITEM 14: AGREEMENT AS RECORDED IN OFFICIAL RECORDS BOOK 7342, PAGE 1946 DOES NOT AFFECT SUBJECT PROPERTY, AND IS NOT DEPICTED HEREIN.

DESCRIPTION: (AS SURVEYED)
A PORTION OF THE N.W. 1/4 OF SECTION 21, TOWNSHIP 16 SOUTH, RANGE 21 EAST, MARION COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:
COMMENCE AT THE N.W. CORNER OF SAID SECTION 21; THENCE ALONG THE WEST BOUNDARY OF SAID SECTION 21, S.00'32'01"W, A DISTANCE OF 40.19 FEET; THENCE DEPARTING SAID WEST BOUNDARY, S.89'42'34"E, A DISTANCE OF 55.00 FEET TO A POINT ON THE EAST RIGHT OF WAY LINE OF S.W. 60TH AVENUE (RIGHT OF WAY WIDTH VARIES); THENCE ALONG SAID EAST RIGHT OF WAY LINE, S.00'32'01"W, A DISTANCE OF 248.24 FEET TO THE POINT OF BEGINNING; THENCE DEPARTING SAID EAST RIGHT OF WAY LINE, S.44'05'58"E, A DISTANCE OF 101.02 FEET TO A POINT ON THE NORTH RIGHT OF WAY LINE OF S.W. 95TH STREET (RIGHT OF WAY WIDTH VARIES); THENCE DEPARTING THE NORTH RIGHT OF WAY LINE OF S.W. 95TH STREET, N.89'42'46"E, A DISTANCE OF 159.00 FEET TO THE POINT OF BEGINNING; THENCE DEPARTING SAID SOUTH BOUNDARY, S.00'17'14"W, A DISTANCE OF 400.00 FEET TO A POINT ON THE SOUTH BOUNDARY OF TRACT B OF FREEDOM CROSSINGS PRESERVE PHASE 1 AS RECORDED IN PLAT BOOK 14, PAGE 102 OF THE PUBLIC RECORDS OF MARION COUNTY, FLORIDA; THENCE ALONG SAID SOUTH BOUNDARY, N.89'42'46"E, A DISTANCE OF 159.00 FEET; THENCE DEPARTING SAID SOUTH BOUNDARY, S.00'17'14"E, A DISTANCE OF 100.00 FEET TO A POINT ON THE AFOREMENTIONED NORTH RIGHT OF WAY LINE OF S.W. 95TH STREET; THENCE ALONG SAID NORTH RIGHT OF WAY LINE, S.89'42'46"W, A DISTANCE OF 159.00 FEET TO THE POINT OF BEGINNING. SAID LANDS CONTAINING 1.46 ACRES, MORE OR LESS.

SURVEYOR'S CERTIFICATION:
TO PALMETTO CAPITOL GROUP, LLC, A GEORGIA LIMITED LIABILITY COMPANY, FLORIDA FIRST TITLE & TRANSACTION, SERVICES, LLC, AND FIRST AMERICAN TITLE INSURANCE 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, RECENTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES ITEMS 1, 2, 3, 4, 5, 6(a)(b), & 11(a), 13, 16, 17 AND 19, OF TABLE A THEREOF.

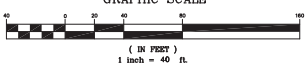
THE FIELD WORK WAS COMPLETED ON AUGUST 1, 2024.
DATE OF PLAT OR MAP: AUGUST 5, 2024.

SIGNATURE DATE
TRAVIS P. BARRINEAU, P.S.M. - LS 6897

NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER

- LEGEND UNLESS OTHERWISE NOTED
C = CENTERLINE OF RIGHT OF WAY
B.A. = CHORD BEARING
O.A. = OFFICIAL RECORDS OF MARION COUNTY
● = FOUND 5/8" IRON ROD & CAP - LB 5091
■ = SET 5/8" IRON ROD & CAP - LB 5091
■ = FOUND 4" x 4" CONCRETE MONUMENT - LB 5091
■ = SET 4" x 4" CONCRETE MONUMENT - LB 5091
○ = FOUND NAIL & DISC
● = BENCHMARK/CONTROL POINT
(7) = FIELD MEASUREMENT
(7) = PLAT DIMENSION
(7) = DEED DIMENSION
(C) = CALCULATED DIMENSION
(1) = DRAINAGE MANHOLE
(1) = STORM DRAINAGE GRATE
(1) = CURB INLET GRATE
(1) = YARD DRAINS
(1) = SANITARY MANHOLE
(1) = SANITARY CLEANOUT
(1) = SEWER VALVE
(1) = GREASE MANHOLE
(1) = WOOD POWER POLE
(1) = METAL LIGHT POLE
(1) = CONCRETE POWER POLE
(1) = ELECTRIC TRANSFORMER
(1) = ELECTRIC BOX
(1) = ELECTRIC METER
(1) = GUY ANCHOR
(1) = SPOT/GROUND LIGHT
(1) = TELEPHONE VAULT
(1) = TELEPHONE BOX
(1) = TELEPHONE CABLE MARKER
(1) = TELEPHONE MANHOLE
(1) = CABLE BOX
(1) = SATELLITE DISH
(1) = FIBER OPTIC CABLE MARKER
(1) = FIRE HYDRANT
(1) = WATER VALVE
(1) = WATER METER
(1) = BACKFLOW PREVENTER
(1) = IRRIGATION CONTROL VALVE
(1) = HOSE BIBB
(1) = WELL
(1) = MONITORING WELL
(1) = FIRE DEPARTMENT CONNECTION
(1) = GAS METER
(1) = GAS VALVE
(1) = GAS LINE MARKER
(1) = AIR CONDITIONER PAD
(1) = METAL REFLECTOR POST
(1) = BOLLARD
(1) = MAILBOX
(1) = SIGN
P.V.C. = POLYVINYL CHLORIDE
R.C.P. = REINFORCED CONCRETE PIPE
C.M.P. = CORRUGATED METAL PIPE
HD.P.E. = HIGH DENSITY POLYETHYLENE
A.E. = AERIAL ELECTRIC
T.E. = OVERHEAD TRAFFIC SIGNALIZATION
7 = UNDERGROUND TELEPHONE LINE
7 = UNDERGROUND FIBER OPTICS
7 = UNDERGROUND WATER LINE
7 = UNDERGROUND GAS LINE
7 = UNDERGROUND SANITARY SEWER LINE
7 = UNDERGROUND ELECTRIC
FM = UNDERGROUND FORCE MAIN
BROKEN LINE, NOT DRAWN TO SCALE
- - - = DENOTES CONCRETE
- - - = DENOTES ASPHALT

GRAPHIC SCALE



FLOOD CERTIFICATION:
PROPERTY LIES IN FLOOD ZONE "X" - AN AREA OF MINIMAL FLOODING AND X 1% AN AREA OF 1% ANNUAL CHANCE OF FLOODING PER THE FLOOD INSURANCE RATE MAP, MAP NO. 12083C0704E, COMMUNITY PANEL NO. 120160 0704 E, EFFECTIVE APRIL 19, 2017.

Table with columns: NO., REVISIONS, BY, DATE.

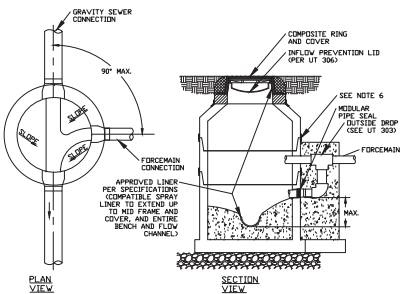
Table with columns: DRAWN, REVISED, CHECKED, APPROVED, SCALE: 1" = 40'.

R.M. BARRINEAU AND ASSOCIATES logo and contact information including address, phone, and website.

ALTA/NSPS LAND TITLE SURVEY FOR:
PALMETTO CAPITOL GROUP, LLC

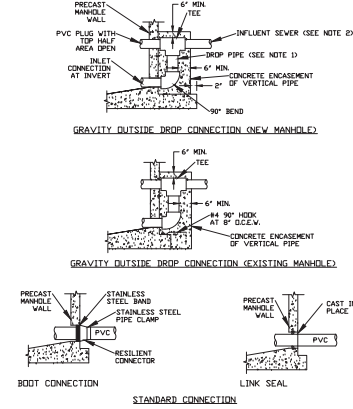
REFERENCES:
F.S. 559, 655, 61-70
FILE: 021-116-021

J.O.# 18179
DWS# 18179COM LOT10
SHT 1 OF 1



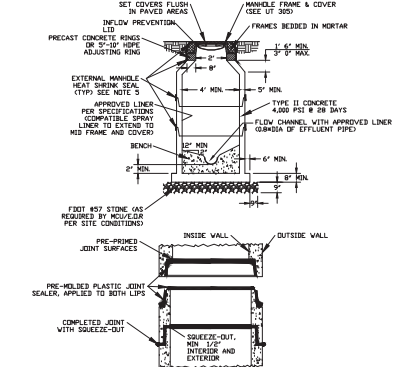
- NOTES:
- FORCEMAIN ORIENTED TO FACILITATE FLOW AND SHALL ENTER MANHOLE BETWEEN 1' AND 6" ABOVE INVERT OF THE EFFLUENT PIPE.
 - BENCH AS REQUIRED FOR NEW FORCEMAIN; SHALL HAVE NEW APPROVED LINER INSTALLED.
 - MANHOLE RECEIVING FORCEMAIN SHALL BE LINED PER MARION COUNTY LAND DEVELOPMENT CODE FOR CONNECTIONS TO EXISTING MANHOLES; MANHOLE RECEIVING FORCEMAIN SHALL BE LINED PER MARION COUNTY LAND DEVELOPMENT CODE.
 - CONTRACTOR TO COORDINATE THE PRESENCE OF MCI INSPECTOR DURING CURING AND CONNECTIONS TO EXISTING MANHOLES.
 - ALL DOWNSTREAM MANHOLES WITHIN 400' OF THE CONNECTION SHALL BE LINED.
 - ALL MANHOLES SHALL BE EXTERNALLY HEAT SHRINK WRAPPED.
 - IN LIEU OF SHRINK WRAPPING, MANHOLES SHALL BE VACUUM TESTED IN ACCORDANCE WITH ASTM C493 OR HYDROSTATIC TESTED IN ACCORDANCE WITH ASTM E949 AS REQUIRED BY MCI.
 - SHRINK WRAPPING/TESTING MUST BE INSPECTED IN PERSON OR THROUGH AN MCI APPROVED METHOD, BY AN MCI CONSTRUCTION REPRESENTATIVE.

7.3.2
MARION COUNTY SEWER DISTRICT
REVISION # 2
FORCEMAIN TO GRAVITY SEWER CONNECTION
UT 302



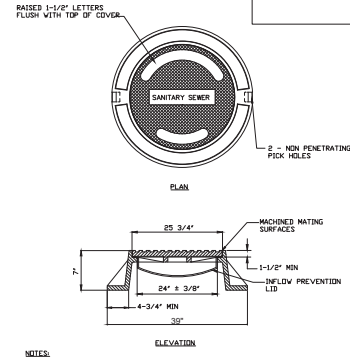
- NOTES:
- DROP PIPE AND FITTINGS SHALL BE OF EQUAL SIZE AND MATERIAL AS THE INFLUENT SEWER.
 - AN OUTSIDE DROP CONNECTION SHALL BE REQUIRED FOR ALL INFLUENT LINES WHICH HAVE AN INVERT 1' OR MORE ABOVE THE MANHOLE INVERT. ALL MANHOLES WITH DROP CONNECTIONS MUST BE LINED AND HAVE COMPOSITE RING AND COVER.
 - CONTRACTOR TO COORDINATE THE PRESENCE OF MCI INSPECTOR DURING CURING AND CONNECTIONS TO EXISTING MANHOLES.
 - FOUR NEW BENCH FOR CONNECTION PER UT 300.

7.3.2
MARION COUNTY SEWER DISTRICT
REVISION # 2
GRAVITY MANHOLE CONNECTION
UT 303



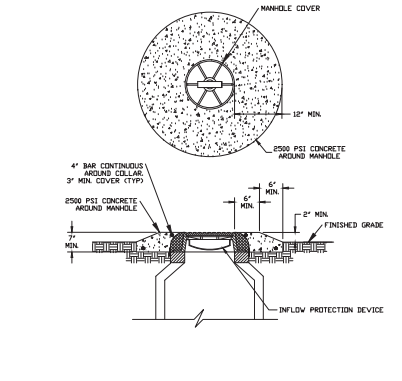
- NOTES:
- DROP CONNECTIONS ARE REQUIRED UNLESS INVERT OF INFLUENT SEWER IS 6" OR MORE ABOVE THE INVERT OF THE MANHOLE. SEE GRAVITY MANHOLE CONNECTION DETAIL UT 303.
 - EXISTING ONE INCH OR MORE MAY BE USED FOR CONJUGATE CONNECTIONS WITH MCI APPROVAL. ALL MANHOLES REQUIRING DROP CONNECTIONS SHALL COMPLY WITH UT 303.
 - A FLOW CHANNEL SHALL BE CONSTRUCTED INSIDE MANHOLE TO DIRECT EFFLUENT INTO FLOW STREAM.
 - LEFT HOLES THROUGH STRUCTURE ARE NOT PERMITTED.
 - USE EXTERNAL WRAP TO TIGHTLY WRAP MANHOLE AROUND CASTING JOINTS AND APPLY HIGH DENSITY POLYURETHANE TO EFFECTIVELY SEAL THEM FROM URGAN WATERS (P.S., WATER). ALL LATERAL HEAT SHRINK WRAPS SHALL BE SUPPLIED BY PERFORMER OR THROUGH A MCI APPROVED METHOD, BY AN MCI CONSTRUCTION REPRESENTATIVE.
 - INFLOW PREVENTION LIDS ARE REQUIRED FOR ALL MANHOLES.
 - PRECAST CONCRETE RINGS MAY BE SUBSTITUTED FOR HDPE RINGS.
 - SECTION HEIGHTS VARY AS REQUIRED, AND AS AVAILABLE.
 - IN LIEU OF SHRINK WRAPPING, MANHOLES SHALL BE VACUUM TESTED IN ACCORDANCE WITH ASTM C493 OR HYDROSTATIC TESTED IN ACCORDANCE WITH ASTM E949 AS REQUIRED BY MCI.
 - FLOW CHANNEL, SLOPE AND WIDTH CANNOT BE LESS THAN 80% OF OUTFLOW PIPE.

7.3.2
MARION COUNTY SEWER DISTRICT
REVISION # 2
PRECAST CONCRETE MANHOLE
UT 306



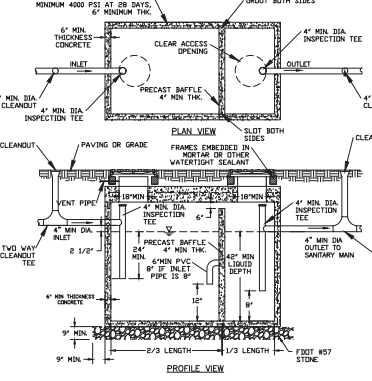
- NOTES:
- RING AND COVER SHALL BE COMPOSITE FOR DROP AND FORCEMAIN CONNECTIONS.

7.3.2
MARION COUNTY SEWER DISTRICT
REVISION # 2
STANDARD SEWER MANHOLE FRAME AND COVER
UT 305



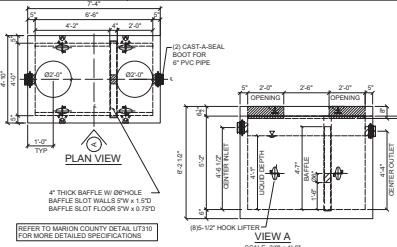
- NOTES:
- CLEARANCE OF 30" FREE FROM OBSTRUCTIONS IN ALL DIRECTIONS.
 - AREAS SUPPORTING CONCRETE COLLAR OR SLAB SHALL BE PROPERLY COMPACTED.
 - TOP OF MANHOLE SHALL BE 2" ABOVE FINISHED GRADE, CROWN OF ADJACENT ROADWAY.
 - OR 100 YEAR FLOOD ELEVATION, WHICHEVER IS GREATER.

7.3.2
MARION COUNTY SEWER DISTRICT
REVISION # 1
MANHOLE IN NON-PAVED AREA
UT 309

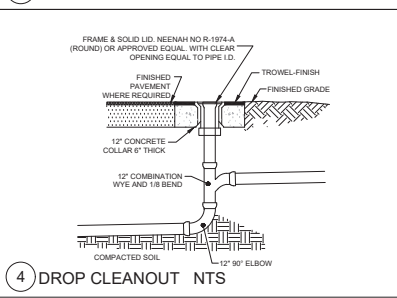


- NOTES:
- SPECIFIC DESIGN DETAILS MUST IN ALL ASPECTS MEET APPLICABLE FLORIDA PLUMBING AND CONSTRUCTION CODES.
 - CONSTRUCTION SHALL BE PER MARION COUNTY LAND DEVELOPMENT CODE.
 - INTERCEPTORS SHALL BE WATER AND GAS TIGHT.
 - ALL FRESH COOKING OILS AND GREASES FROM PREPARATION AREAS SHALL BE ROUTED THROUGH GREASE INTERCEPTOR. RESTROOM WASTE SHALL NOT BE ROUTED THROUGH INTERCEPTOR.
 - WASTE REQUIRES ALTERNATE DESIGN ARE ACCEPTABLE. DESIGN MUST MEET FLORIDA PLUMBING AND CONSTRUCTION CODES.
 - LOADS 10-20 TRUCK TRAILS WITH 30% IMPACT PER ASHDT, TRAFFIC BEARING FRAME AND COVER TO MEET FOOT STANDARDS IF APPLICABLE.

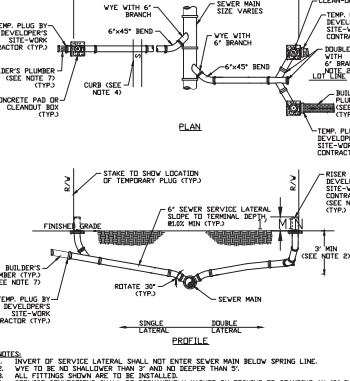
7.3.2
MARION COUNTY SEWER DISTRICT
REVISION # 1
GREASE INTERCEPTOR
UT 310



3 750 GALLON OIL/WATER SEPARATOR NTS



4 DROP CLEANOUT NTS



- NOTES:
- INVERT OF SERVICE LATERAL SHALL NOT EXCEED SEWER MAIN BELOW SPRING LINE.
 - WYE TO BE NO SHALLOWER THAN 5' AND NO DEEPER THAN 5'.
 - ALL FITTINGS SHOWN ARE TO BE BELL END UNLESS OTHERWISE NOTED.
 - SERVICE CONNECTIONS SHALL BE PERMANENTLY MARKED BY ETCHING OR STAMPING AN "S" IN THE CURB DIRECTLY OVER THE LATERAL, WHERE NO EXISTING LOCATION SHALL BE MARKED BY "S".
 - PLACEMENT OF ADHESIVE REFLECTIVE MARKERS AS SPECIFIED BY MCI.
 - CLEANOUT CAP SHALL BE SET A MINIMUM OF 2' ABOVE THE FINISHED GRADE. CLEANOUTS IN RV PARKS SHALL BE SET 6" ABOVE FINISHED GRADE WITH A CONCRETE COLLAR.
 - MARKING CONSTRUCTION, SERVICE LATERAL, AND CLEANOUTS SHALL BE STUDIED BY THE PROPERTY IS DEVELOPED AND CONNECTION TO CENTRAL SEWER IS MADE BY PLUMBER.
 - SEWER PLUMBER SHALL CUT EXISTING CLEANOUT COP, REMOVE TEMPORARY PLUG, CONNECT SERVICE LATERAL TO HOUSE PLUMBING AND GROUT VENT BETWEEN CLEANOUT AND PAD. ALL DEVELOPMENT SHALL BE RECESSED AND BELT IN A MANNER WHERE THE LOWEST WASTEWATER SERVICE LATERAL DOES NOT DROP BELOW THE GRAVITY SEWER GRADE LINE.

7.3.2
MARION COUNTY SEWER DISTRICT
REVISION # 2
SEWER SERVICE LATERAL
UT 312

Jeremy R. Anderson, State of Florida, Professional Engineer, License No. 71630
This item has been digitally signed and sealed by Jeremy R. Anderson, P.E. on the date indicated here.

DATE: 01/31/2025
SCALE: N.T.S.
SHEET: C10.2
UTILITY DETAILS

PALMETTO CAPITAL GROUP
1643 WILLIAMSBURG SQUARE
LAKELAND, FL 33803
PHONE: (863) 806-1520



COMMON MARK ENGINEERING
400 EQUUSWATER DRIVE
ORLANDO, FL 32804
TEL: 813-951-1100
WWW.COMMONMARK.COM
AUTHORIZATION: 28844

BSRO FIRESTONE
STORE #180
11000 SW 8TH ST
&
SW 4th AVE
OCALA, FL 33476
MARION COUNTY

DATE	REVISION/ISSUE	DESCRIPTION
01/31/2025	1	ISSUE FOR PERMITS

ENGINEER'S NAME & P.E. LICENSE NO. 71630
JEREMY R. ANDERSON, P.E.
PROJECT # 224.059

PALMETTO CAPITAL GROUP
 1643 WILLIAMSBURG SQUARE
 LAKELAND, FL 33803
 PHONE: (863) 808-1520



COMMON OAK ENGINEERING
 4008 EDGEWATER DRIVE
 ORLANDO, FL 32804
 (407) 848-8818
 AUTHORIZATION: 38844

BSRO FIRESTONE
 AT
 STORE #183
 N.W. OF SW 95TH
 SW 97TH AVE
 Ocala, FL 32476
 MARION COUNTY

NO.	DATE	REVISION/ISSUE



ENGINEER'S NAME & PROJECT #
 JEREMY R. ANDERSON, P.E. PROJECT # 224 059

DATE 09/25/2024
 SCALE 1/20
 SHEET 1 of 1
 PHOTOMETRIC PLAN

FREEDOM CROSSINGS PRESERVE PHASE 1
 (PLAT BOOK 14, PAGE 102)

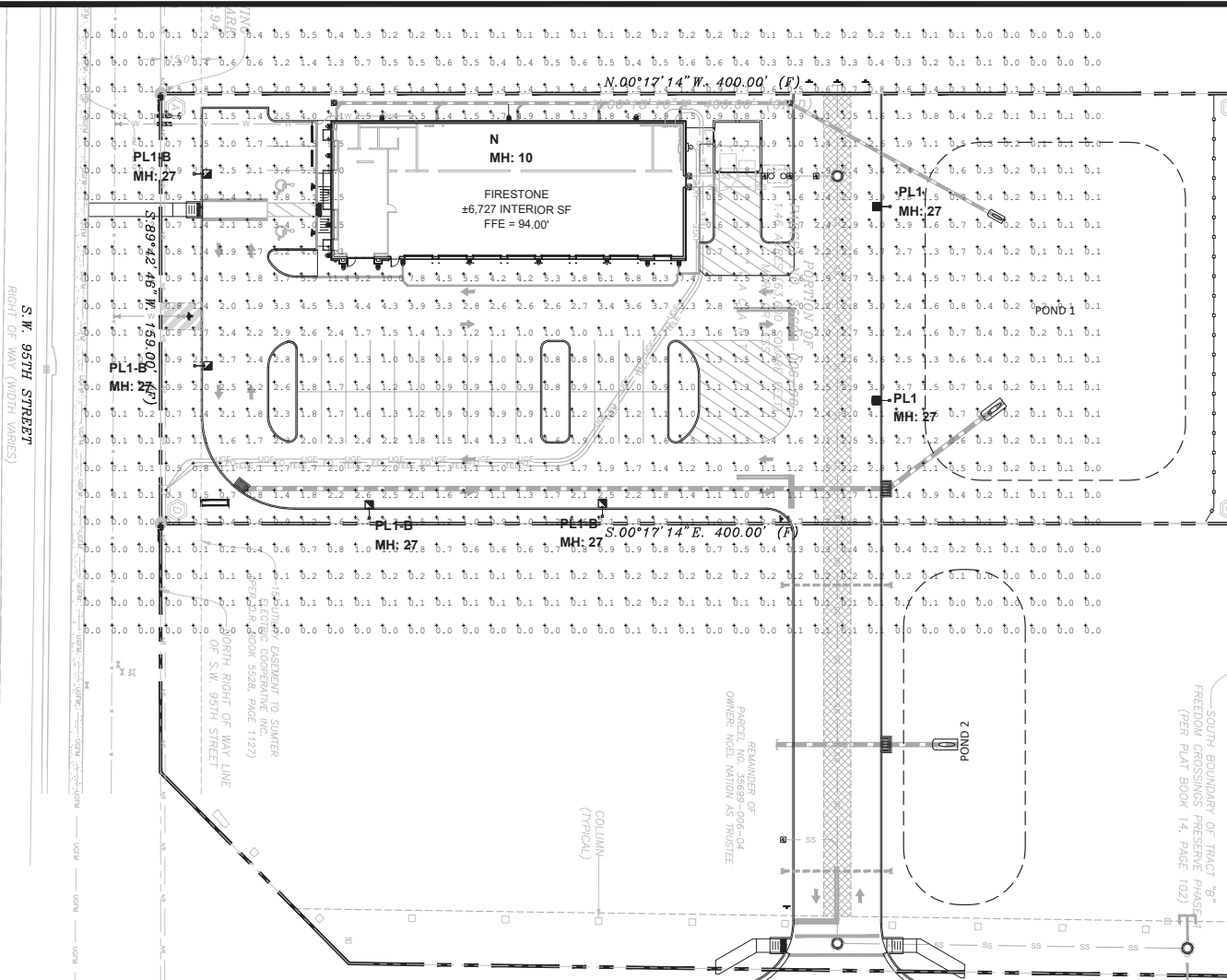
TRACT "B"
 DRAINAGE RETENTION AREA

30' BUFFER (PER PLAT)

N. 89° 42' 46" E. 159.00' (P)

20' COMMON BOUNDARY BUFFER EASEMENT AND SETBACK (PER O.R. BOOK 7342, PAGE 1946)

SOUTH BOUNDARY OF TRACT "B"
 FREEDOM CROSSINGS PRESERVE PHASE 1
 (PER PLAT BOOK 14, PAGE 102)



BURIED UTILITIES NOTE
 BURIED UTILITIES ARE SHOWN BY THE SHOWN SYMBOLS AND THE LOCATION OF THESE UTILITIES SHALL BE DETERMINED BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS.

CALL BEFORE YOU DIG...
 1-800-432-4770
 SOURCE: MISSOURI DEPARTMENT OF TRANSPORTATION
 IT'S THE LAW

Luminaire Schedule

Symbol	Qty	Label	Arrangement	LMF	Lum. Lumens	Lum. Watts	Part Number
N	19	N	WALL MOUNT	1.000	2490	19	XSPW-B-WM-3ME-2L-67K-LL-xx (Wall Light)
PL1	2	PL1	SINGLE	1.000	15200	97	OSQM-C-18L-5707-4M-UL-NM-BK w/OSQ-M-L-C-D-ABK
PL1-B	4	PL1-B	SINGLE	1.000	8725	97	OSQM-C-18L-5707-4M-UL-NM-BK w/OSQ-M-L-C-D-ABK + OSQ-M-C-BL-SF

Calculation Summary (Footcandles calculated using LMF 1.00)

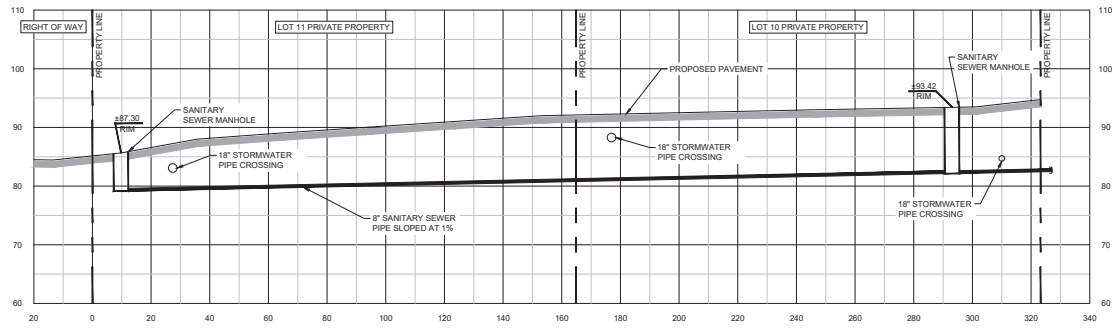
Label	Units	Avg	Max	Min	Avg/Min	Max/Min
All Cact. Poles	Fc	1.17	11.4	0.0	N.A.	N.A.
Paved Parking	Fc	1.98	5.3	0.7	2.80	7.57

NOTE: THE PAGES TITLED "GENERAL NOTES" AS LISTED ON THE COVER PAGE OF THIS SET OF CONSTRUCTION DOCUMENTS, SHALL APPLY TO ALL SHEETS HEREIN. THE GENERAL CONTRACTOR SHALL PROVIDE A COPY OF THE "GENERAL NOTES" SHEETS TO ALL BIDDERS AND SUBCONTRACTORS.

NOTICE TO GENERAL CONTRACTORS:
 CONTRACTOR TO REFER/COORDINATE THE WORK SHOWN HEREIN WITH THE WORK SHOWN ON THE REMAINDER OF THESE CONSTRUCTION DOCUMENTS. IF ANY DISCREPANCIES BETWEEN THE WORK SHOWN ON THIS AND OTHER PAGES IS FOUND, OR IF THE CONTRACTOR HAS ANY QUESTIONS OF ANY KIND, CONTRACTOR SHALL NOTIFY ENGINEER IN WRITING PRIOR TO THE PERFORMANCE OF ANY WORK.

Jeremy R. Anderson, State of Florida, Professional Engineer, License No. 71636 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.



PROFILE SS-SS (SANITARY SEWER)
 SCALE: 1" IS 10' (VERTICAL), 1" IS 20' (HORIZONTAL)
 NOTE: ELEVATIONS BASED NAVD 88 VERTICAL DATUM

PALMETTO CAPITAL GROUP
 1643 WILLIAMSBURG SQUARE
 LAKELAND, FL 33803
 PHONE: (863) 808-1520



COMMON OAK ENGINEERING
 400 EDGEWATER DRIVE
 ORLANDO, FL 32804
 407-954-8888
 AUTHORIZATION: 28844

BSRO FIRESTONE
 MAJOR SITE PLAN
 STORE #180
 NW COR OF SW 99TH ST
 SW 16th AVE
 Ocala, FL 32676
 MARION COUNTY

DATE	REVISION/ISSUE	DESCRIPTION
01/31/2025	1	ISSUE FOR CONSTRUCTION



ENGINEER'S NAME & TITLE
JEREMY R. ANDERSON, P.E.
 P.E. LICENSE NO. 71636

PROJECT # **224 059**
 DATE **01/31/2025** SHEET **1**
 SCALE **N.T.S.** **C10.3**

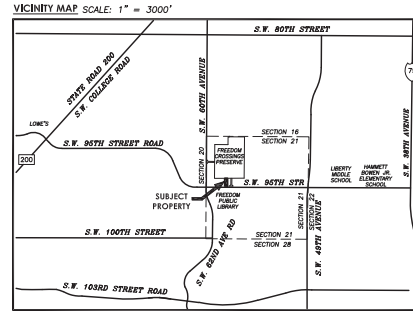
Jeremy R. Anderson, State of Florida, Professional Engineer, License No. 71636
 This item has been digitally signed and sealed by Jeremy R. Anderson, P.E. on the date indicated here.
 Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

UTILITY PROFILE

SECTION 21, TOWNSHIP 16 SOUTH, RANGE 21 EAST
MARION COUNTY, FLORIDA

STATE PLANE COORDINATES:

POINT	NORTHING	EASTING	SCALE FACTOR
COED 0013	1735050.441	589072.398	0.999946351
(A)	1727241.7936	587287.9398	0.999946613
(B)	1727641.7880	587285.8267	0.999946613
(C)	1727642.6280	587444.6245	0.999946588
(D)	1727242.6336	587446.9376	0.999946588



- NOTES:
- DATE OF FIELD SURVEY: AUGUST 1, 2024.
 - SUBJECT TO RIGHTS OF WAY, RESTRICTIONS, EASEMENTS AND RESERVATIONS OF RECORD.
 - UNLESS OTHERWISE SHOWN, UNDERGROUND IMPROVEMENTS NOT LOCATED.
 - PUBLIC RECORDS NOT SEARCHED BY R.M. BARRINEAU & ASSOCIATES, INC.
 - BEARINGS ARE ASSUMED BASED ON THE WEST BOUNDARY OF THE N.W. 1/4 OF SECTION 21, TOWNSHIP 16 SOUTH, RANGE 21 EAST AS BEING S.00'32'01"W.
 - VERTICAL DATUM BASED ON CITY OF Ocala ENGINEERING CONTROL POINT COED 0013 WITH AN ELEVATION OF 84.75'; NAVD-88.
 - ORIENTATION FOR THE IMPROVEMENTS SHOWN HEREON SHOULD NOT BE USED TO RECONSTRUCT BOUNDARY LINES.
 - ADDITIONS OR DELETIONS TO SURVEY MAPS BY OTHER THAN THE SIGNING PARTY OR PARTIES IS PROHIBITED WITHOUT WRITTEN CONSENT OF THE SIGNING PARTY OR PARTIES.
 - THIS SURVEY DEPICTS THE PROPERTY AS IT EXISTED ON THE SURVEY DATE, NOT NECESSARILY THE SIGNATURE DATE.
 - THIS SURVEY HAS BEEN PREPARED FOR THE EXCLUSIVE BENEFIT OF THE PARTY(IES) NAMED HEREON, AND SHALL NOT BE DUPLICATED OR RELED UPON BY ANY OTHER INDIVIDUAL OR ENTITY WITHOUT AUTHORIZATION FROM R.M. BARRINEAU & ASSOCIATES, INC.
 - THERE WAS NO APPARENT WETLAND DELINEATION DONE ON THE SUBJECT PARCEL AT THE TIME OF THE SURVEY.
 - ALL ABOVE GROUND IMPROVEMENTS ARE SHOWN HEREON.
 - THERE IS NO OBSERVED EVIDENCE OF EARTHMOVING ON THE SUBJECT PARCEL AT THE TIME OF THE SURVEY.
 - THERE IS NO OBSERVED EVIDENCE OF SOLID WASTE DUMPING OR LANDFILL ON THE SUBJECT PARCEL AT THE TIME OF THE SURVEY.
 - THERE IS NO OBSERVED EVIDENCE OF CONTEMPLATED ROADWAY CHANGES OR CONSTRUCTION ON THE SUBJECT PARCEL AT THE TIME OF THE SURVEY.
 - THERE IS NO OBSERVED EVIDENCE OF SIDEWALK CONSTRUCTION OR REPAIRS ON THE SUBJECT PARCEL AT THE TIME OF THE SURVEY.
 - FIELD MEASUREMENTS DO NOT EXCEED THE MAXIMUM RELATIVE POSITIONAL PRECISION SET FORTH BY THE CURRENT ALTA/NSPS MINIMUM STANDARD DETAIL REQUIREMENTS.
 - STATE PLANE COORDINATES ARE BASED ON FLORIDA WEST GRID NAD-83 (CORRS98)(EPOCH:2002.0000), BASED ON TRIMBLE A VIRTUAL REFERENCE STATION NETWORK AND REFERENCED TO THE CITY OF Ocala ENGINEERING DEPARTMENT CONTROL POINT 0013. ALL DISTANCES SHOWN HEREIN ARE GROUND DISTANCES.

- SCHEDULE B-2 ITEMS:
- ABSTRACT INFORMATION WAS PROVIDED BY TITLE COMMITMENT NO. 110365551, ISSUED BY FIRST AMERICAN TITLE INSURANCE COMPANY FOR FLORIDA FIRST TITLE & TRANSACTION, SERVICES, LLC, BEARING AN COMMITMENT DATE OF JUNE 18, 2024. THE FOLLOWING NOTES CORRESPOND TO SCHEDULE B SECTION 2 ITEMS:
- ITEM 9: AGREEMENT AS RECORDED IN OFFICIAL RECORDS BOOK 2696, PAGE 1518 AFFECTS SUBJECT PROPERTY, IS BLANKET IN NATURE, CONTAINING NO SPECIFIC LOCATION, AND IS NOT DEPICTED HEREIN.
- ITEM 10: PERPETUAL RIGHT OF WAY EASEMENT AS RECORDED IN OFFICIAL RECORDS BOOK 2751, PAGE 1629 DOES NOT AFFECT SUBJECT PROPERTY AND IS NOT DEPICTED.
- ITEM 11: ACCESS MANAGEMENT AND DEVELOPMENT AGREEMENT AS RECORDED IN OFFICIAL RECORDS BOOK 7308, PAGE 347 AFFECT SUBJECT PROPERTY, IS NOT SURVEY RELATED AND IS NOT DEPICTED HEREIN.
- ITEM 12: PERPETUAL UTILITY EASEMENT AS RECORDED IN OFFICIAL RECORDS BOOK 5528, PAGE 1127 AFFECTS SUBJECT PROPERTY AND IS DEPICTED HEREIN.
- ITEM 13: EASEMENTS AS RECORDED IN OFFICIAL RECORDS BOOK 7006, PAGE 1177 AND CORRECTED IN OFFICIAL RECORDS BOOK 7243, PAGE 690 DO NOT AFFECT SUBJECT PROPERTY AND IS DEPICTED HEREIN.
- ITEM 14: AGREEMENT AS RECORDED IN OFFICIAL RECORDS BOOK 7342, PAGE 1946 DOES NOT AFFECT SUBJECT PROPERTY, AND IS NOT DEPICTED HEREIN.

DESCRIPTION: (AS SURVEYED)
A PORTION OF THE N.W. 1/4 OF SECTION 21, TOWNSHIP 16 SOUTH, RANGE 21 EAST, MARION COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:
COMMENCE AT THE N.W. CORNER OF SAID SECTION 21; THENCE ALONG THE WEST BOUNDARY OF SAID SECTION 21, S.00'32'01"W, A DISTANCE OF 40.19 FEET; THENCE DEPARTING SAID WEST BOUNDARY, S.89'42'34"E, A DISTANCE OF 55.00 FEET TO A POINT ON THE EAST RIGHT OF WAY LINE OF S.W. 80TH AVENUE (RIGHT OF WAY WIDTH VARIES); THENCE ALONG SAID EAST RIGHT OF WAY LINE, S.00'32'01"W, A DISTANCE OF 248.24 FEET TO A POINT ON THE EAST RIGHT OF WAY LINE, S.44'05'58"E, A DISTANCE OF 101.02 FEET TO A POINT ON THE NORTH RIGHT OF WAY LINE OF S.W. 95TH STREET (RIGHT OF WAY WIDTH VARIES); THENCE DEPARTING THE EAST RIGHT OF WAY LINE OF S.W. 80TH AVENUE, ALONG THE NORTH RIGHT OF WAY LINE OF S.W. 95TH STREET, N.89'42'46"E, A DISTANCE OF 839.31 FEET TO THE POINT OF BEGINNING, THENCE DEPARTING SAID SAID NORTH RIGHT OF WAY LINE, N.00'17'14"W, A DISTANCE OF 400.00 FEET TO A POINT ON THE SOUTH BOUNDARY OF TRACT B OF FREEDOM CROSSINGS PRESERVE PHASE 1 AS RECORDED IN PLAT BOOK 14, PAGE 102 OF THE PUBLIC RECORDS OF MARION COUNTY, FLORIDA; THENCE ALONG SAID SOUTH BOUNDARY, N.89'42'46"E, A DISTANCE OF 159.00 FEET; THENCE DEPARTING SAID SOUTH BOUNDARY, S.00'17'14"E, A DISTANCE OF 400.00 FEET TO A POINT ON THE AFOREMENTIONED NORTH RIGHT OF WAY LINE OF S.W. 95TH STREET; THENCE ALONG SAID NORTH RIGHT OF WAY LINE, S.89'42'46"W, A DISTANCE OF 159.00 FEET TO THE POINT OF BEGINNING. SAID LANDS CONTAINING 1.46 ACRES, MORE OR LESS.

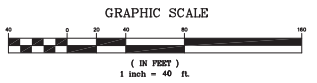
SURVEYOR'S CERTIFICATION:
TO PALMETTO CAPITOL GROUP, LLC, A GEORGIA LIMITED LIABILITY COMPANY, FLORIDA FIRST TITLE & TRANSACTION, SERVICES, LLC, AND FIRST AMERICAN TITLE INSURANCE COMPANY.
THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2021 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS, RECENTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES ITEMS 1, 2, 3, 4, 5, 6(a)(b), & 11(a), 13, 16, 17 AND 19, OF TABLE A THEREOF.

THE FIELD WORK WAS COMPLETED ON AUGUST 1, 2024.
DATE OF PLAT OR MAP: AUGUST 5, 2024.

SIGNATURE DATE
TRAVIS P. BARRINEAU, P.S.M. - LS 6897
OF R.M. BARRINEAU & ASSOCIATES, INC.

NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER

- LEGEND UNLESS OTHERWISE NOTED
- CENTERLINE OF RIGHT OF WAY
 - CHORD BEARING
 - O.R. = OFFICIAL RECORDS OF MARION COUNTY
 - = FOUND 5/8" IRON ROD & CAP - LB 5091
 - = SET 5/8" IRON ROD & CAP - LB 5091
 - = FOUND 4" x 4" CONCRETE MONUMENT - LB 5091
 - = SET 4" x 4" CONCRETE MONUMENT - LB 5091
 - = FOUND NAIL & DISC
 - = BENCHMARK/CONTROL POINT
 - (F) = FIELD MEASUREMENT
 - (P) = PLAT DIMENSION
 - (D) = DEED DIMENSION
 - (C) = CALCULATED DIMENSION
 - (M) = DRAINAGE MANHOLE
 - (S) = STORM DRAINAGE GRATE
 - (I) = CURB INLET GRATE
 - (Y) = YARD DRAINS
 - (SM) = SANITARY MANHOLE
 - (SC) = SANITARY CLEANOUT
 - (S) = SEWER VALVE
 - (G) = GREASE MANHOLE
 - (W) = WOOD POWER POLE
 - (M) = METAL LIGHT POLE
 - (C) = CONCRETE POWER POLE
 - (T) = ELECTRIC TRANSFORMER
 - (E) = ELECTRIC BOX
 - (E) = ELECTRIC METER
 - (G) = GUY ANCHOR
 - (S) = SPOT/GROUND LIGHT
 - (V) = TELEPHONE VAULT
 - (B) = TELEPHONE BOX
 - (C) = TELEPHONE CABLE MARKER
 - (M) = TELEPHONE MANHOLE
 - (C) = CABLE BOX
 - (S) = SATELLITE DISH
 - (F) = FIBER OPTIC CABLE MARKER
 - (H) = FIRE HYDRANT
 - (W) = WATER VALVE
 - (W) = WATER METER
 - (B) = BACKFLOW PREVENTER
 - (I) = IRRIGATION CONTROL VALVE
 - (H) = HOSE BIBB
 - (W) = WELL
 - (M) = MONITORING WELL
 - (F) = FIRE DEPARTMENT CONNECTION
 - (G) = GAS METER
 - (G) = GAS VALVE
 - (M) = GAS LINE MARKER
 - (A) = AIR CONDITIONER PAD
 - (R) = METAL REFLECTOR POST
 - (B) = BOLLARD
 - (M) = MAILBOX
 - (S) = SIGN
 - P.V.C. = POLYVINYL CHLORIDE
 - R.C.P. = REINFORCED CONCRETE PIPE
 - C.M.P. = CORRUGATED METAL PIPE
 - H.D.P.E. = HIGH DENSITY POLYETHYLENE
 - A.E. = AERIAL ELECTRIC
 - O.T.S. = OVERHEAD TRAFFIC SIGNALIZATION
 - = UNDERGROUND TELEPHONE LINE
 - = UNDERGROUND FIBER OPTICS
 - = UNDERGROUND WATER LINE
 - = UNDERGROUND GAS LINE
 - = UNDERGROUND SANITARY SEWER LINE
 - = UNDERGROUND ELECTRIC
 - = UNDERGROUND FORCE MAIN
 - = BROKEN LINE, NOT DRAWN TO SCALE
 - = DENOTES CONCRETE
 - = DENOTES ASPHALT



FLOOD CERTIFICATION:
PROPERTY LIES IN FLOOD ZONE "X" - AN AREA OF MINIMAL FLOODING AND X 1% AN AREA OF 1% ANNUAL CHANCE OF FLOODING PER THE FLOOD INSURANCE RATE MAP, MAP NO. 12083C0704E, COMMUNITY PANEL NO. 120160 0704 E, EFFECTIVE APRIL 19, 2017.

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NO.	REVISIONS	BY	DATE

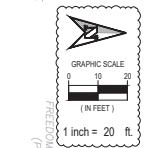
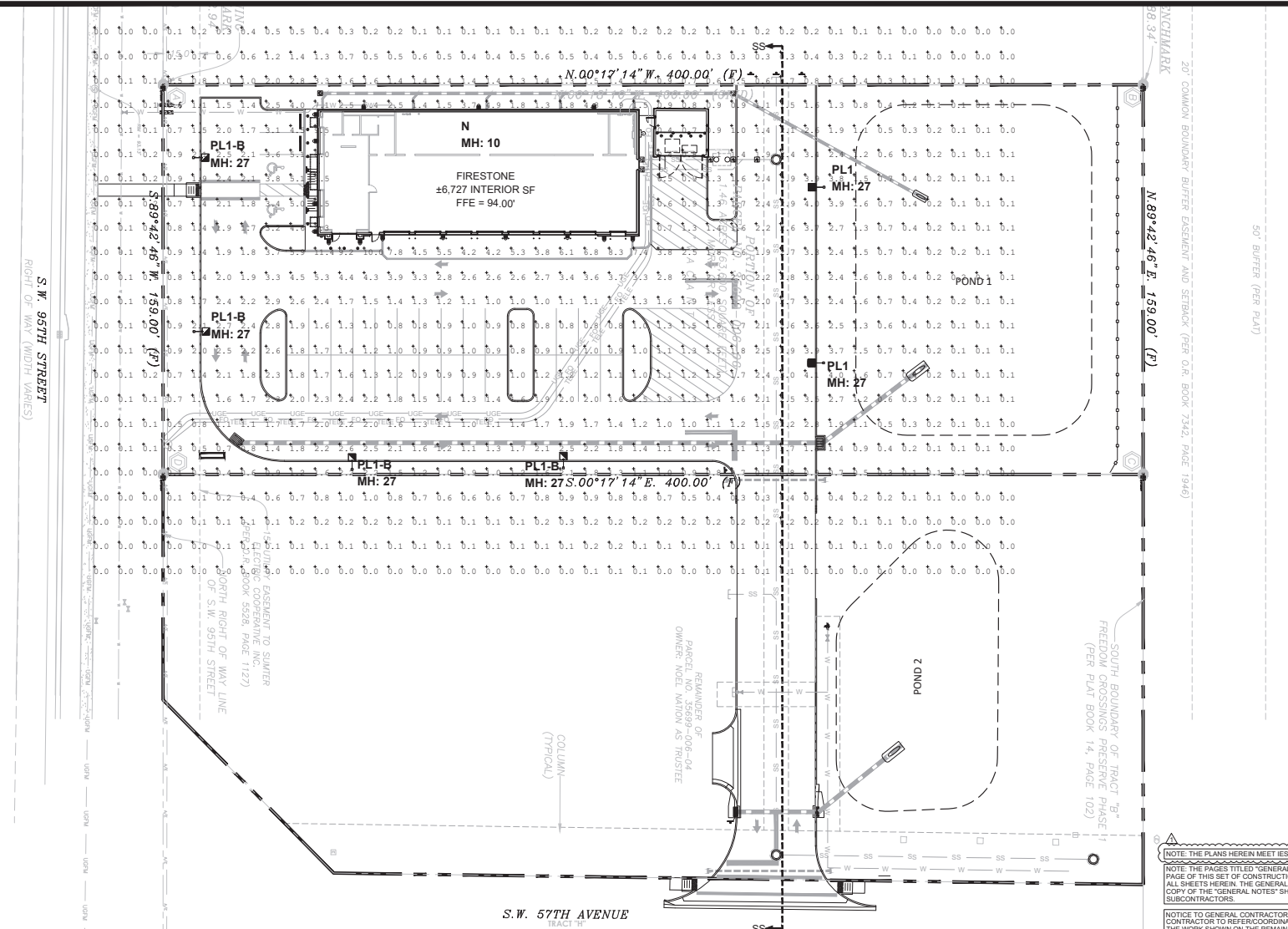
SCALE:	1" = 40'

R.M. BARRINEAU AND ASSOCIATES
PROFESSIONAL SURVEYORS & MAPPERS
REGISTERED PROFESSIONAL ENGINEERS
REGISTERED PROFESSIONAL LAND SURVEYORS
REGISTERED PROFESSIONAL CIVIL ENGINEERS
REGISTERED PROFESSIONAL ELECTRICAL ENGINEERS
REGISTERED PROFESSIONAL MECHANICAL ENGINEERS
REGISTERED PROFESSIONAL CHEMICAL ENGINEERS
REGISTERED PROFESSIONAL INDUSTRIAL ENGINEERS
REGISTERED PROFESSIONAL METALLURGICAL ENGINEERS
REGISTERED PROFESSIONAL AERONAUTICAL ENGINEERS
REGISTERED PROFESSIONAL AGRICULTURAL ENGINEERS
REGISTERED PROFESSIONAL BIOMEDICAL ENGINEERS
REGISTERED PROFESSIONAL ENVIRONMENTAL ENGINEERS
REGISTERED PROFESSIONAL FOOD ENGINEERS
REGISTERED PROFESSIONAL INDUSTRIAL ENGINEERS
REGISTERED PROFESSIONAL MARINE ENGINEERS
REGISTERED PROFESSIONAL NUCLEAR ENGINEERS
REGISTERED PROFESSIONAL PETROLEUM ENGINEERS
REGISTERED PROFESSIONAL TRANSPORTATION ENGINEERS
REGISTERED PROFESSIONAL WATERSUPPLY ENGINEERS
REGISTERED PROFESSIONAL METEOROLOGICAL ENGINEERS
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REGISTERED PROFESSIONAL TRANSPORTATION ENGINEERS
REGISTERED PROFESSIONAL WATERSUPPLY ENGINEERS
REGISTERED PROFESSIONAL METEOROLOGICAL ENGINEERS

ALTA/NSPS LAND TITLE SURVEY FOR:
PALMETTO CAPITOL GROUP, LLC

REFERENCES:
F.S. 559, 655, 61-70
FILE: 521-116-921

J.O.# 18179
DWS# 18179CUM LOT10
SHT 1 OF 1



PALMETTO CAPITAL GROUP
 1643 WILLIAMSBURG SQUARE
 LAKELAND, FL 33803
 PHONE: (863) 808-1520



COMMON DARK CONSULTING ENGINEERS
 400 EDGEWATER DRIVE
 ORLANDO, FL 32804
 (407) 850-8888
 AUTHORIZATION: 28844

NO.	DATE	REVISION/ISSUE	BY	APP'D
1				
2				
3				



ENGINEER'S NAME & TITLE
JEREMY R. ANDERSON, P.E.
 P.E. LICENSE NO. 71636

PROJECT # **224.059**

DATE **01/31/2025** SHEET
 SCALE **1" = 20'** **1 of 1**
PHOTOMETRIC PLAN

BURIED UTILITIES NOTE
 BURIED UTILITIES ARE SHOWN ON THIS PLAN. CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO UTILITIES.

CALL BEFORE YOU DIG...
 1-800-432-4770
 MISSOURI ELECTRIC COOPERATIVE
 IT'S THE LAW

Luminaire Schedule

Symbol	Qty	Label	Arrangement	LMF	Lum. Lumens	Lum. Watts	Part Number
NS	1	N	WALL MOUNT	1.000	2490	19	XSPW-B-WM-3ME-2L-67K-UL-xx (Wall Light)
PL1	2	PL1	SINGLE	1.000	15200	97	OSQMC-18L-5707-4M-UL-NM-BK w/OSQ-M-L-C-D-A-BK
PL1-B	4	PL1-B	SINGLE	1.000	8725	97	OSQMC-18L-5707-4M-UL-NM-BK w/OSQ-M-L-C-D-A-BK + OSQ-M-C-BL-SF

Calculation Summary (Footcandles calculated using LMF: 1.00)

Label	Units	Avg	Max	Min	AvgMin	MaxMin
All Cat Points	Fc	1.17	11.4	0.0	N.A.	N.A.
Paved Parking	Fc	1.98	5.3	0.7	2.80	7.57

NOTE: THE PLANS HEREIN ARE DESIGNED IN ACCORDANCE WITH THE IESNA STANDARDS.
 NOTE: THE PAGES TITLED "GENERAL NOTES" ARE LISTED ON THE COVER PAGE OF THIS SET OF CONSTRUCTION DOCUMENTS. SHALL APPLY TO ALL SHEETS HEREIN. THE GENERAL CONTRACTOR SHALL PROVIDE A COPY OF THE "GENERAL NOTES" SHEETS TO ALL BIDDERS AND SUBCONTRACTORS.

NOTICE TO GENERAL CONTRACTORS:
 CONTRACTOR TO REFER/COORDINATE THE WORK SHOWN HEREIN WITH THE WORK SHOWN ON THE REMAINDER OF THESE CONSTRUCTION DOCUMENTS. IF ANY DISCREPANCIES BETWEEN THE WORK SHOWN ON THIS AND OTHER PAGES IS FOUND, OR IF THE CONTRACTOR HAS ANY QUESTIONS OF ANY KIND, CONTRACTOR SHALL NOTIFY ENGINEER IN WRITING PRIOR TO THE PERFORMANCE OF ANY WORK.

Jeremy R. Anderson, State of Florida, Professional Engineer, License No. 71636
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