July 28, 2025

PROJECT NAME: SILVER SPRINGS SHORES MEDICAL OFFICE BUILDING
PROJECT NUMBER: 2025020071
APPLICATION: MAJOR SITE PLAN #32542

1 DEPARTMENT: ENGDRN - STORMWATER REVIEW
REVIEW ITEM: 2.12.20 - Stormwater Infrastructure Supports Phasing
STATUS OF REVIEW: INFO
REMARKS: Stormwater improvements must be in place to support each phase of development at time of phase construction. Engineer has indicated that the expanded DRA volume required to support this development has not been constructed. Construction on this site should not commence until DRA has been constructed to the size necessary to support the design storm runoff from this site.

2 DEPARTMENT: ENGDRN - STORMWATER REVIEW
REVIEW ITEM: 6.13.2.B(8) - Calculation & Plan Consistency
STATUS OF REVIEW: INFO
REMARKS: This criteria to be reviewed with resubmittal.

3 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.

4 DEPARTMENT: ENGDRN - STORMWATER REVIEW
REVIEW ITEM: Copy of District Permit (County Interest)
STATUS OF REVIEW: INFO
REMARKS: Please provide a copy of the District permit prior to construction.

5 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 Kevin Vickers, PE at 352-671-8695 or kevin.vickers@marionfl.org.

6 DEPARTMENT: ENGTRF - TRAFFIC REVIEW
REVIEW ITEM: 6.11.5 - Driveway access
STATUS OF REVIEW: INFO
REMARKS: 3/19/25 - Driveway entitlement does not exist when cross-access is available. Proposed driveway location appears optimal - driveway deviation (to authorize without entitlement) is under review by the Office of the County Engineer.

7 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: 3/11/25-add waivers if requested in future

8 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.

9 DEPARTMENT: UTIL - MARION COUNTY UTILITIES
REVIEW ITEM: 6.14.2.C - Industrial Pretreatment
STATUS OF REVIEW: INFO
REMARKS: 3.18.25 - EOR to confirm use the lack of need for Pre-Treatment: Most medical facilities are required to implement wastewater pre-treatment to prevent harmful contaminants, such as pharmaceuticals, chemicals, and biological waste, from entering the public sewer system. Pre-treatment helps protect municipal wastewater treatment plants, ensures compliance with environmental regulations, and reduces the risk of pollution that could impact public health and water quality.

10 DEPARTMENT: UTIL - MARION COUNTY UTILITIES
REVIEW ITEM: 6.14.3.B - Springs Protection Zone
STATUS OF REVIEW: INFO
REMARKS: Located within the Statewide BMAP. Not located within the Springs Protection Zones within Marion County.

11 DEPARTMENT: UTIL - MARION COUNTY UTILITIES
REVIEW ITEM: 6.14.4 - Water (potable) Capital Charges and Flow Rates - proposed use identified to calculate
STATUS OF REVIEW: INFO
REMARKS: Capital charges and flow rates will be calculated during the permitting stage, before approval. (if major/minor site plan)

12 DEPARTMENT: UTIL - MARION COUNTY UTILITIES
REVIEW ITEM: 6.14.4 - Sewer Capital Charges and Flow Rates - proposed use identified to calculate
STATUS OF REVIEW: INFO
REMARKS: Capital charges and flow rates will be calculated during the permitting stage, before approval. (if major/minor site plan)

13 DEPARTMENT: UTIL - MARION COUNTY UTILITIES
REVIEW ITEM: 6.14.5.A(8) - Submittal Requirements - Connection to existing water system
STATUS OF REVIEW: INFO
REMARKS: Marion County Utilities to confirm water connections and services to this parcel. Current GIS does match as-builts. Plans are showing a connection to a 2" water service, which does not display in current GIS.

14 DEPARTMENT: UTIL - MARION COUNTY UTILITIES
REVIEW ITEM: 6.14.5.A(8) - Submittal Requirements - Connection to existing sanitary system
STATUS OF REVIEW: INFO
REMARKS: Marion County Utilities to confirm water connections and services to this parcel. Current GIS does match as-builts. Plans are showing a connection to a gravity sewer lateral, which does not display in current GIS.

15 DEPARTMENT: UTIL - MARION COUNTY UTILITIES
REVIEW ITEM: 6.14.7 - Construction Inspection - PLAN NOTE:
STATUS OF REVIEW: INFO
REMARKS: MCU personnel are to inspect any work performed on or around existing MCU 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 MCU's Construction Officer.

16 DEPARTMENT: UTIL - MARION COUNTY UTILITIES
REVIEW ITEM: 6.14.8.A - Completion and Closeout - PLAN NOTE: As-builts
STATUS OF REVIEW: INFO
REMARKS: For any Utility assets between the water main and the meter, Marion County will require a Bill of Sale and As-builts of the service, prior to meter(s) being installed. A final hold has been placed on permit, if applicable. All as-builts shall comply with the current Marion County LDC, section 6.14.8

17 DEPARTMENT: UTIL - MARION COUNTY UTILITIES
REVIEW ITEM: 6.15.6.E - Meter Easements
STATUS OF REVIEW: INFO
REMARKS: Utility easement is called out on plans.

18 DEPARTMENT: UTIL - MARION COUNTY UTILITIES
REVIEW ITEM: Article 7 - Construction Standards - PLAN NOTE:
STATUS OF REVIEW: INFO
REMARKS: All facilities constructed on the developer's property prior to interconnection with Marion County Utility's existing or proposed facilities, shall convey such component parts to MCU by bill of sale in a form satisfactory to the County Attorney, with the following evidence required by MCU: Refer to LDC 6.14.9 (B).

19 DEPARTMENT: UTIL - MARION COUNTY UTILITIES
REVIEW ITEM: Additional Utilities comments
STATUS OF REVIEW: INFO
REMARKS: 3.18.25 C500 - Contractor will need to use UT107 to connect water with a Tee.

20 DEPARTMENT: DOH - ENVIRONMENTAL HEALTH
REVIEW ITEM: Operating Permit Required
STATUS OF REVIEW: INFO
REMARKS: If biomedical waste will be generated a BMW permit will be required through the Department of Health in Marion County

21 DEPARTMENT: DOH - ENVIRONMENTAL HEALTH
REVIEW ITEM: Additional Health comments
STATUS OF REVIEW: INFO
REMARKS: Central Water/Central Sewer

22 DEPARTMENT: LUCURR - LAND USE CURRENT REVIEW
REVIEW ITEM: 2.12.4.L(3) - All applicable Developer's Agreements listed?
STATUS OF REVIEW: INFO
REMARKS: Please identify any Developer's Agreements.

23 DEPARTMENT: LUCURR - LAND USE CURRENT REVIEW
REVIEW ITEM: 2.12.5/1.8.2.A - Concurrency/Traffic - Study/Capacity Available?

STATUS OF REVIEW: INFO
REMARKS: A traffic analysis is required for the proposed use.

24 DEPARTMENT: LSCAPE - LANDSCAPE DESIGN AND IRRIGATION
REVIEW ITEM: 6.8.10 - General planting requirements (specifications)
STATUS OF REVIEW: INFO
REMARKS: All non biodegradeable material, including burlap, to be removed from trees at planting

25 DEPARTMENT: ZONE - ZONING DEPARTMENT
REVIEW ITEM: 2.12.6 - Location of water and sewer. Does this need a special use permit?
STATUS OF REVIEW: INFO
REMARKS: Defer to utilities

26 DEPARTMENT: ENRAA - ACQ AGENT ENG ROW
REVIEW ITEM: Major Site Plan
STATUS OF REVIEW: INFO
REMARKS: Verified owner with Sunbiz and check project list. 3/10/25 HR
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]."

27 DEPARTMENT: ENGDRN - STORMWATER REVIEW
REVIEW ITEM: 2.12.4.L(9)(b) - Data Block (Impervious Area)
STATUS OF REVIEW: NO
REMARKS: Please provide data block on the cover sheet detailing the existing and proposed impervious & pervious area in SF, ac, and %. Please include any offsite drainage to your site in the data block.

28 DEPARTMENT: ENGDRN - STORMWATER REVIEW
REVIEW ITEM: 2.12.13/14/15 - General Exhibits
STATUS OF REVIEW: NO
REMARKS: Please submit a USGS Quadrangle Map, FEMA FIRM or Firmette Map, NRCS soils map and National Wetland Inventory maps. Please indicate the site location on each of these maps.

29 DEPARTMENT: ENGDRN - STORMWATER REVIEW
REVIEW ITEM: 2.12.38 - Stormwater Maintenance Entity
STATUS OF REVIEW: NO
REMARKS: Please add Owner's Certification to cover sheet to state "I hereby certify that I, my successors, and assigns shall perpetually maintain the improvements as shown on this plan ". Please add the name of the individual who will sign the Owner's Certification to the signature line. The individual signing the certification needs to be an agent or member of the entity that will own and maintain the stormwater system, or an authorized signatory of that entity. If signatory is not an agent or member, a letter authorizing a different individual needs to be submitted with the signed documents. The authorization letter must be signed by and agent/officer of owner. Sunbiz will be used to verify agents and/or officers.

30 DEPARTMENT: ENGDRN - STORMWATER REVIEW
REVIEW ITEM: 6.13.2.A(8) - Finish Floor Elevation Criteria
STATUS OF REVIEW: NO
REMARKS: Minimum finished floor elevation is required to be a minimum of one foot higher than the one percent (100-year) flood elevation (or corresponding stage in the DRA). Engineer to confirm that this criteria is met.

31 DEPARTMENT: ENGDRN - STORMWATER REVIEW
REVIEW ITEM: 6.13.8 - Stormwater Conveyance Criteria
STATUS OF REVIEW: NO
REMARKS: See comment under "6.13.2.B(5) - Hydraulic Analysis"

32 DEPARTMENT: ENGDRN - STORMWATER REVIEW
REVIEW ITEM: 6.13.2.B(5) - Hydraulic Analysis
STATUS OF REVIEW: NO
REMARKS: (1) Please provide conveyance systems calculations for the proposed inlets and pipe, and the yard drain system. The onsite infrastructure is connecting to two separate systems that will both need to be analyzed. Contact reviewer to discuss requirements. LDC requires utilizing the rainfall intensity for 25-year curve on the FDOT zone 7 IDF curves. In the IDF curve, use the duration equal to the Tc when determining the intensity to use. It looks to be about 8.3 in/hr for the 25-year storm using a Tc of 10 minutes. LDC also requires the use of a tailwater condition for the hydraulic calculations. Please see section 6.13.8 for tailwater requirements. (2) Proposed parking area on the southern access road will drain to the existing storm

conveyance system. Please provide calculations demonstrating that the conveyance system has the capacity for this drainage.

33 DEPARTMENT: ENGDRN - STORMWATER REVIEW
REVIEW ITEM: 6.13.8.B(7) - Minimum Pipe Size
STATUS OF REVIEW: NO
REMARKS: LDC requires conveyance pipes to be a minimum of 18" diameter or equivalent. Reduction in pipe size to 15" for conveyance system and 12" for yard drain systems may be supported with corroborating calculations; applicants can request a waiver.

34 DEPARTMENT: ENGDRN - STORMWATER REVIEW
REVIEW ITEM: 6.13.2.A(7) - Existing/Proposed Stormwater Swales
STATUS OF REVIEW: NO
REMARKS: Please provide a swale construction detail meeting the requirements of LDC section 6.13.2.A(7).

35 DEPARTMENT: ENGDRN - STORMWATER REVIEW
REVIEW ITEM: 7.1.3 - Drainage Construction Specifications
STATUS OF REVIEW: NO
REMARKS: Please add the following note to the cover page: "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."

36 DEPARTMENT: ENGDRN - STORMWATER REVIEW
REVIEW ITEM: 6.13.12 - Operation and Maintenance
STATUS OF REVIEW: NO
REMARKS: Please provide an O&M manual detailing the steps for operating and maintaining the proposed onsite conveyance system (inlets, pipes, etc.). An owner's certification is required on the O&M manual. Certification to state “I hereby certify that I, my successor, and assigns shall perpetually operate and maintain the stormwater management and associated elements in accordance with the specifications shown herein and on the approved plan.” The individual signing the certification needs to be an agent or member of the entity that will own and maintain the stormwater system, or an authorized signatory of that entity. If signatory is not an agent or member, a letter authorizing a different individual needs to be submitted with the signed documents. The authorization letter must be signed by and agent/officer of owner. Sunbiz will be used to verify agents and/or officers. Please contact reviewer if you need examples of O&M manuals accepted in the past.

37 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 digitally signed and sealed report. A hard copy signed and sealed report can be submitted if desired.

38 DEPARTMENT: ENGTRF - TRAFFIC REVIEW
REVIEW ITEM: 6.11.3 - Traffic Impact Analysis
STATUS OF REVIEW: NO
REMARKS: 3/19/25 - Traffic statement required.

39 DEPARTMENT: ENGTRF - TRAFFIC REVIEW
REVIEW ITEM: 6.11.4.B - Cross access
STATUS OF REVIEW: NO
REMARKS: 3/19/25 - Cross access easement from driveway entrance (if approved) to Lot 10 property

boundary required - specify easement on plans. Provide the executed cross access easement to the Right-of-way Office for recording just prior to final plan approval. The template for the required easement can be obtained by contacting the Office of the County Engineer Right-of-Way Office.

40 DEPARTMENT: ENGTRF - TRAFFIC REVIEW
REVIEW ITEM: 6.11.9.B - Traffic signs
STATUS OF REVIEW: NO
REMARKS: 3/19/25 - Stop sign required. Specify type and design of sign located near stop bar at driveway exit on sheet C100.

41 DEPARTMENT: ENGTRF - TRAFFIC REVIEW
REVIEW ITEM: 6.11.9.C - Pavement marking
STATUS OF REVIEW: NO
REMARKS: 3/19/25 - Stop bar required. Specify pavement marking design details for stop bar and crosswalk on sheet C100. Crosswalk design shown is inconsistent with others within the development.

42 DEPARTMENT: ENGIN - DEVELOPMENT REVIEW
REVIEW ITEM: 2.12.3 - Title block on all sheets denoting type of application; project name, location, county, and state; and date of original and all revisions
STATUS OF REVIEW: NO
REMARKS:

43 DEPARTMENT: ENGIN - DEVELOPMENT REVIEW
REVIEW ITEM: 2.12.4.A - Type of application on front page
STATUS OF REVIEW: NO
REMARKS:

44 DEPARTMENT: ENGIN - DEVELOPMENT REVIEW
REVIEW ITEM: 2.12.4.D - Owner's certification on front sheet: I hereby certify that I, my successors, and assigns shall perpetually maintain the improvements as shown on this plan
STATUS OF REVIEW: NO
REMARKS: 3/11/25-Owner's certification:
I hereby certify that I, my successors, and assigns shall perpetually maintain the improvements as shown on this plan

45 DEPARTMENT: ENGIN - DEVELOPMENT REVIEW
REVIEW ITEM: 2.12.4.F(1) - Licensed Design Professional Certification: I hereby certify that these plans and calculations were completed in accordance with all applicable requirements of the Marion County Land Development Code, except as waived.
STATUS OF REVIEW: NO
REMARKS: 3/11/25-Licensed Design Professional Certification: I hereby certify that these plans and calculations were completed in accordance with all applicable requirements of the Marion County Land Development Code, except as waived.

46 DEPARTMENT: UTIL - MARION COUNTY UTILITIES
REVIEW ITEM: Marion County Utilities Contact Information
STATUS OF REVIEW: NO
REMARKS: 3.18.25, Cover sheet: (Contact information) Add Marion County Utilities, Customer Service 24/7/365, Address: 11800 US-441, Belleview, FL 34420, Phone: (352) 307-6000.

47 DEPARTMENT: UTIL - MARION COUNTY UTILITIES
REVIEW ITEM: 6.14.2.A - Water Connection Requirements
STATUS OF REVIEW: NO
REMARKS: 3.18.25, C500: Call out End of County Maintenance. MCU requires a delineation of county and private for future maintenance.

48 DEPARTMENT: UTIL - MARION COUNTY UTILITIES
REVIEW ITEM: 6.14.2.A - Sewer Connection Requirements
STATUS OF REVIEW: NO
REMARKS: 3.18.25, C500: Add "Traffic Rated" to the clean out(s) that are shown in pavement. (2) Call out End of County Maintenance. MCU requires a delineation of county and private for future maintenance. (3) Show sewer lateral for connection.

49 DEPARTMENT: UTIL - MARION COUNTY UTILITIES
REVIEW ITEM: 6.14.5.B - Construction Notes - UT DETAILS - current LDC version
STATUS OF REVIEW: NO
REMARKS: 3.18.25 - Remove UT203 detail. Not needed.

50 DEPARTMENT: UTIL - MARION COUNTY UTILITIES
REVIEW ITEM: 6.15.3 - Fire Protection/Fire Flow Capacity
STATUS OF REVIEW: NO
REMARKS: 3.18.25, C500 - Remove hydrant on the 2" service line, due to insufficient flow. The Engineer of Record (EOR) has confirmed that the surrounding hydrants comply with the Marion County Fire Prevention Code regarding required coverage and spacing.
Defer to Marion County Fire Rescue. Marion County Utilities will provide water.

51 DEPARTMENT: UTIL - MARION COUNTY UTILITIES
REVIEW ITEM: 6.15.7 - Cross Connection Control and Backflow Prevention
STATUS OF REVIEW: NO
REMARKS: 3.18.25, C500: Confirm Backflows are in easement, not private property.

52 DEPARTMENT: UTIL - MARION COUNTY UTILITIES
REVIEW ITEM: Utilities Plan Review Fee per Resolution 15-R-583 - payable to Marion County Utilities
STATUS OF REVIEW: NO
REMARKS: Utilities Plan Review Fee: $130.00 Fee can be paid by calling 352-671-8686 or visiting the Development Review Office at 412 SE 25th Ave, Ocala, FL 34471. Reference AR# 32542

53 DEPARTMENT: LUCURR - LAND USE CURRENT REVIEW
REVIEW ITEM: 2.12.16/6.5 - [EALS or EALS-ER provided?]
STATUS OF REVIEW: NO
REMARKS: A full environmental assessment is not necessary but an inspection and clearance of the site by a certified biologist or environmental scientist is required.

54 DEPARTMENT: LUCURR - LAND USE CURRENT REVIEW
REVIEW ITEM: 6.5 & 6.6 - Habitat Preservation/Mitigation Provided?
STATUS OF REVIEW: NO
REMARKS: A full environmental assessment is not necessary but an inspection and clearance of the site by a certified biologist or environmental scientist is required.

55 DEPARTMENT: ENGSUR - SURVEY REVIEW
REVIEW ITEM: 6.4.7.B(2) - Horizontal control points shall be monumented and referenced to the Florida

State Plane Coordinate System
STATUS OF REVIEW: NO
REMARKS: Please reference horizontal control to the Florida State Plane Coordinate System.

56 DEPARTMENT: ENGSUR - SURVEY REVIEW
REVIEW ITEM: 6.4.7.B(4) - Provide a statement or table detailing horizontal datum, adjustment, and coordinate values
STATUS OF REVIEW: NO
REMARKS: Please provide.

57 DEPARTMENT: ENGSUR - SURVEY REVIEW
REVIEW ITEM: 2.12.4.F.(2) - Surveyor and Mapper certification
STATUS OF REVIEW: NO
REMARKS: Please provide the following: I hereby certify that the survey represented hereon is in accordance with all applicable requirements of the LDC and meets the minimum technical standards as set forth by the Florida Board of Professional Surveyors and Mappers.

58 DEPARTMENT: ENGSUR - SURVEY REVIEW
REVIEW ITEM: 2.12.11 - Provide an aerial map of the site with a layout of the development
STATUS OF REVIEW: NO
REMARKS: Please overlay the site plan onto an aerial.

59 DEPARTMENT: ENGSUR - SURVEY REVIEW
REVIEW ITEM: 2.12.32 - Provide site analysis map depicting the existing (100-year) flood plain
STATUS OF REVIEW: NO
REMARKS: Please provide.

60 DEPARTMENT: LSCAPE - LANDSCAPE DESIGN AND IRRIGATION
REVIEW ITEM: 6.7.4 - Shade tree requirements
STATUS OF REVIEW: NO
REMARKS: Crape myrtle is not considered a shade tree, and will not count toward shade tree requirements

61 DEPARTMENT: LSCAPE - LANDSCAPE DESIGN AND IRRIGATION
REVIEW ITEM: 6.8.4 - Landscape area requirements for non-residential development
STATUS OF REVIEW: NO
REMARKS: Provide landscape area calculations - 20% of site to be landscaped

62 DEPARTMENT: LSCAPE - LANDSCAPE DESIGN AND IRRIGATION
REVIEW ITEM: 6.8.6 - Buffers
STATUS OF REVIEW: NO
REMARKS: 1. NE buffer does not comply with Type C requirements - Ornamentals and groundcover are missing

63 DEPARTMENT: LSCAPE - LANDSCAPE DESIGN AND IRRIGATION
REVIEW ITEM: 6.8.7 - Parking areas and vehicular use areas
STATUS OF REVIEW: NO
REMARKS: For paved parking areas within a Primary SPZ, including those with permeable or porous surfaces, parking lot islands shall be completely planted with shrubs or groundcovers; the use of turfgrass is prohibited.

64 DEPARTMENT: LSCAPE - LANDSCAPE DESIGN AND IRRIGATION
REVIEW ITEM: 6.8.12 - Landscape completion inspection requirements

STATUS OF REVIEW: NO
REMARKS: Provide note from this section of code

65 DEPARTMENT: LSCAPE - LANDSCAPE DESIGN AND IRRIGATION
REVIEW ITEM: 6.9.6 - Completion inspection requirements
STATUS OF REVIEW: NO
REMARKS: Provide note from this section of code

66 DEPARTMENT: LSCAPE - LANDSCAPE DESIGN AND IRRIGATION
REVIEW ITEM: 6.19.3 - Outdoor lighting plan requirements
STATUS OF REVIEW: NO
REMARKS: What is mounting height of lights on poles?

67 DEPARTMENT: ZONE - ZONING DEPARTMENT
REVIEW ITEM: 2.12.32 - Modified Environmental Assessment for Listed Species (LDC 6.5.4) -OR- EALS Exemption Application (LDC 6.5.3) submitted (including habitat assessment as necessary per LDC 6.6.4)
STATUS OF REVIEW: NO
REMARKS: Provide per 2.12.32 of the LDC a Modified Environmental Assessment for Listed Species (LDC 6.5.4) -OR- EALS Exemption Application (LDC 6.5.3) (including habitat assessment as necessary per LDC 6.6.4)

68 DEPARTMENT: ZONE - ZONING DEPARTMENT
REVIEW ITEM: 5.2 & 5.3 - Verify any overlay zones such as ESOZ, Springs Protection, or Flood Plain
STATUS OF REVIEW: NO
REMARKS: 5.2 & 5.3 - Verify any overlay zones such as ESOZ, Springs Protection, or Flood Plain. This parcel is within the Primary Springs Protection Zone.

Feel free to contact us at (352) 671-8686 or DevelopmentReview@marionfl.org with questions.

Sincerely,

Your Development Review Team
Office of the County Engineer

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

32542

DEVELOPMENT REVIEW COMMITTEE WAIVER REQUEST FORM

Date: 7/14/2025 Parcel Number(s): 37491-003-10 | Prime Key: 3918771 Permit Number: App. #: 32542

A. PROJECT INFORMATION: Fill in below as applicable:

Project Name: Silver Springs Shores Medical Office Building Commercial ☑ Residential ☐
Subdivision Name (if applicable): Maricamp Market Centre Replat
Unit_____ Block_____ Lot 10B 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): Maricamp Land, LLC
Signature:
Mailing Address: 2441 NE 3rd Street, Suite 201 City: Ocala
State: FL Zip Code: 34470 Phone # 352-239-6101
Email address: John@IpsOcala.com

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

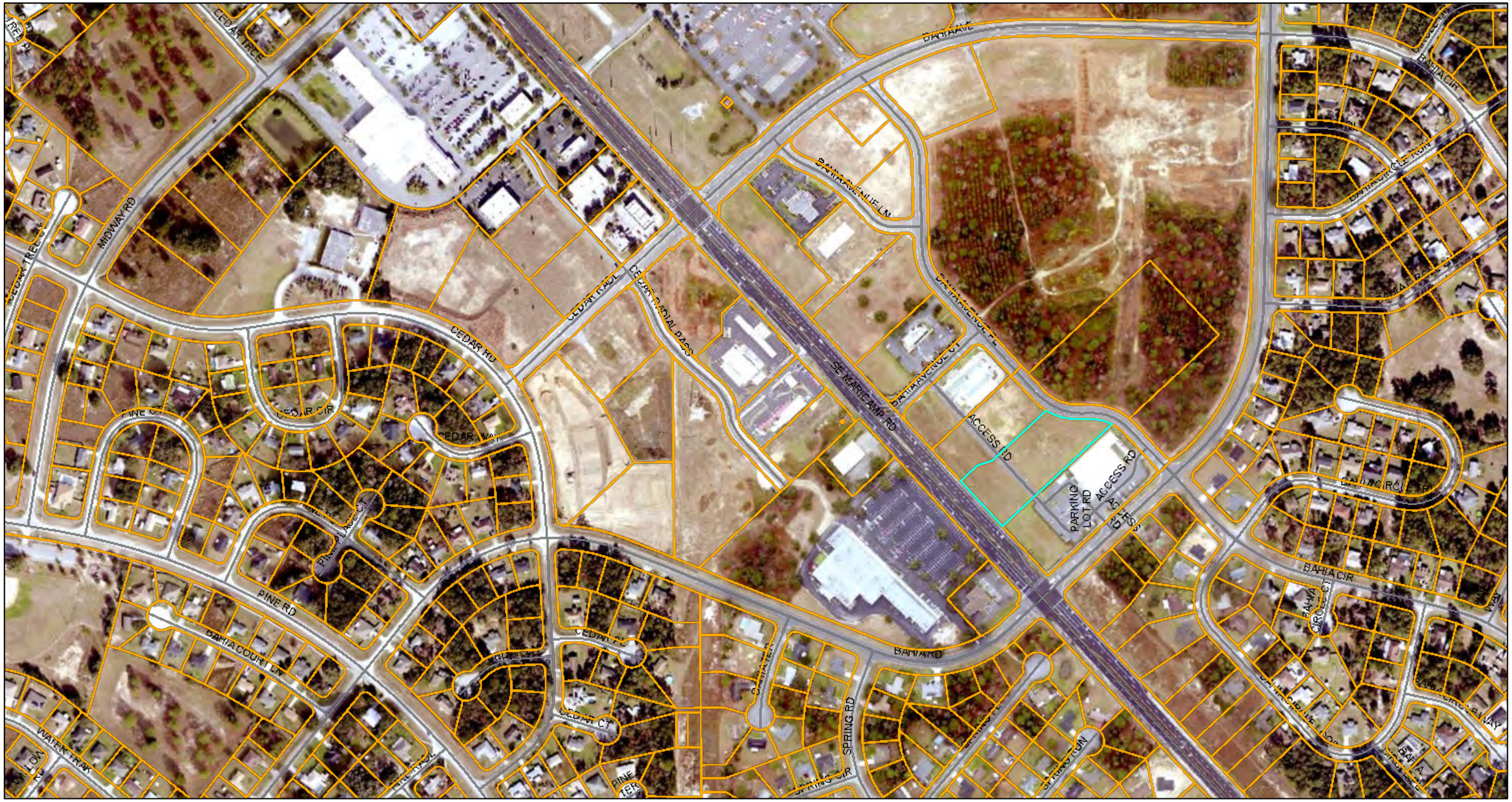
Firm Name (if applicable): Klima Weeks Civil Engineering, Inc. Contact Name: Selby G. Weeks, P.E.
Mailing Address: 385 Douglas Avenue, Suite 2100 City: Altamonte Springs
State: FL Zip Code: 32714 Phone # 407-478-8750
Email address: kklima@klimaweeks.com

D. WAIVER INFORMATION:
Section & Title of Code (be specific): Stormwater conveyance criteria - Sec. 6.13.8.B(7)
Reason/Justification for Request (be specific): This project proposes the use of storm pipes less than 18" in diameter. A hydraulic analysis has been included to ensure adequate capacity for proposed storm pipes.

DEVELOPMENT REVIEW USE:
Received By: email 7/23/25 Date Processed: 7/29/2025 SS Project # 2025020071 AR # 32542

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):_____

MCBCC Interactive Map - Internal



7/28/2025, 4:09:15 PM

Parcels
Marion County
Streets
Aerial 2024
Red: Band_1
Green: Band_2
Blue: Band_3

1:4,514

0 0.05 0.1 0.2 mi
0 0.07 0.15 0.3 km

Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, Marion County BOCC

MCBCC IT/GIS

MASTROSERIO

ENGINEERING, INC

CONSULTING CIVIL & ENVIRONMENTAL ENGINEERS

SPECIALIZING IN SITE & SUBDIVISION DEVELOPMENT

170 SE 32ND PLACE, Ocala, FL 34471

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MARICAMP MARKET CENTER

WATERSHED 2

RATIONAL CALCULATIONS

JULY 21, 2025

MASTROSERIO ENGINEERING, INC.
170 SE 32ND PLACE
OCALA, FL 34471
CA# 26159

PAOLO MASTROSERIO LICENSE No. 58691 STATE OF FLORIDA PROFESSIONAL ENGINEER

_____

PAOLO MASTROSERIO, P.E. 58691

DATE:_____

Project Description

File Name	PIPE CALCS 7-18-25.SPF

Project Options

Flow Units	CFS
Elevation Type	Elevation
Hydrology Method	Rational
Time of Concentration (TOC) Method	User-Defined
Link Routing Method	Hydrodynamic
Enable Overflow Ponding at Nodes	YES
Skip Steady State Analysis Time Periods	NO

Analysis Options

Start Analysis On	00:00:00	0:00:00
End Analysis On	00:00:00	0:00:00
Start Reporting On	00:00:00	0:00:00
Antecedent Dry Days	0	days
Runoff (Dry Weather) Time Step	0 01:00:00	days hh:mm:ss
Runoff (Wet Weather) Time Step	0 00:05:00	days hh:mm:ss
Reporting Time Step	0 00:05:00	days hh:mm:ss
Routing Time Step	30	seconds

Number of Elements

	Qty
Rain Gages	0
Subbasins	33
Nodes	35
Junctions	6
Outfalls	2
Flow Diversions	0
Inlets	27
Storage Nodes	0
Links	36
Channels	3
Pipes	33
Pumps	0
Orifices	0
Weirs	0
Outlets	0
Pollutants	0
Land Uses	0

Rainfall Details

Rainfall Intensity	8.3 in/hr

Subbasin Summary

SN	Subbasin ID	Area (ac)	Weighted Runoff Coefficient	Total Rainfall (in)	Total Runoff (in)	Total Runoff Volume (ac-in)	Peak Runoff (cfs)	Time of Concentration (days hh:mm:ss)
1	2B.10	0.59	0.7000	1.38	0.97	0.57	3.43	0 00:10:00
2	2B.11	0.10	0.9000	1.38	1.25	0.12	0.74	0 00:10:00
3	2B.12	0.10	0.9000	1.38	1.25	0.13	0.77	0 00:10:00
4	2B.13	0.36	0.7000	1.38	0.97	0.34	2.07	0 00:10:00
5	2B.14	2.14	0.7000	1.38	0.97	2.08	12.46	0 00:10:00
6	2B.15	0.16	0.7000	1.38	0.97	0.16	0.94	0 00:10:00
7	2B.16(OFFSITE)	5.06	0.2000	2.77	0.55	2.80	8.40	0 00:20:00
8	2B.17	0.20	0.2000	1.38	0.28	0.06	0.34	0 00:10:00
9	2B.2	0.27	0.7000	1.38	0.97	0.26	1.55	0 00:10:00
10	2B.3	0.22	0.7000	1.38	0.97	0.21	1.27	0 00:10:00
11	2B.4	0.16	0.7000	1.38	0.97	0.15	0.92	0 00:10:00
12	2B.5	0.32	0.9000	1.38	1.25	0.40	2.40	0 00:10:00
13	2B.6	0.40	0.7000	1.38	0.97	0.39	2.35	0 00:10:00
14	2B.7(D-03)	0.19	0.9000	1.38	1.25	0.23	1.39	0 00:10:00
15	2B.9	0.97	0.7000	1.38	0.97	0.94	5.62	0 00:10:00
16	DB2.1	0.05	0.9000	1.38	1.25	0.07	0.40	0 00:10:00
17	DB2.10	0.45	0.9000	1.38	1.25	0.56	3.37	0 00:10:00
18	DB-2.11	0.02	0.3000	1.38	0.42	0.01	0.05	0 00:10:00
19	DB2.12	0.56	0.9000	1.38	1.25	0.70	4.20	0 00:10:00
20	DB2.13	0.62	0.9000	1.38	1.25	0.78	4.66	0 00:10:00
21	DB2.14	0.22	0.9000	1.38	1.25	0.28	1.66	0 00:10:00
22	DB2.15	0.07	0.9000	1.38	1.25	0.09	0.54	0 00:10:00
23	DB2.2	0.23	0.9000	1.38	1.25	0.28	1.70	0 00:10:00
24	DB2.2A	0.22	0.9000	1.38	1.25	0.27	1.63	0 00:10:00
25	DB2.3	0.28	0.9000	1.38	1.25	0.35	2.11	0 00:10:00
26	DB2.4	0.10	0.9000	1.38	1.25	0.13	0.75	0 00:10:00
27	DB2.5	0.45	0.3000	1.38	0.42	0.19	1.13	0 00:10:00
28	DB2.7	0.07	0.3000	1.38	0.42	0.03	0.18	0 00:10:00
29	DB2.8	0.09	0.3000	1.38	0.42	0.04	0.23	0 00:10:00
30	Sub-D-01	0.15	0.6900	1.38	0.95	0.14	0.86	0 00:10:00
31	Sub-D-02	0.19	0.6900	1.38	0.95	0.18	1.09	0 00:10:00
32	Sub-YD01	0.02	0.1300	1.38	0.18	0.00	0.02	0 00:10:00
33	Sub-YD02	0.02	0.1300	1.38	0.18	0.00	0.02	0 00:10:00

Node Summary

SN	Element ID	Element Type	Invert Elevation (ft)	Ground/Rim (Max) Elevation (ft)	Initial Water Elevation (ft)	Surcharge Elevation (ft)	Ponded Area (ft^2)	Peak Inflow (cfs)	Max HGL Elevation Attained (ft)	Max Surcharge Depth Attained (ft)	Min Freeboard Attained (ft)	Time of Peak Flooding Occurrence (days hh:mm)	Total Flooded Volume (ac-in)	Total Time Flooded (min)
1	D-03	Junction	81.77	89.47	81.77	89.50	10.00	4.64	84.26	0.00	5.21	0 00:00	0.00	0.00
2	DS-2B.6(ALDI)	Junction	85.88	91.85	85.88	0.00	0.00	6.48	86.81	0.00	5.04	0 00:00	0.00	0.00
3	DS-2B.7(ALDI)	Junction	84.29	92.00	84.29	0.00	0.00	6.43	85.37	0.00	6.63	0 00:00	0.00	0.00
4	DS-2B.9	Junction	81.52	89.00	81.52	89.00	0.00	9.75	84.13	0.00	5.59	0 00:00	0.00	0.00
5	DS-6	Junction	75.57	82.35	75.80	82.35	0.00	48.60	77.73	0.00	4.62	0 00:00	0.00	0.00
6	DS-9	Junction	77.39	86.70	77.39	86.70	0.00	42.85	80.46	0.00	6.24	0 00:00	0.00	0.00
7	DS-OF-1	Outfall	75.00					7.71	76.08					
8	DS-OF-2	Outfall	75.00					48.60	76.55					

Link Summary

SN	Element ID	Element Type	From (Inlet) Node	To (Outlet) Node	Length	Inlet Invert Elevation	Outlet Invert Elevation	Average Slope	Diameter or Height	Manning's Roughness	Peak Flow	Design Flow Capacity	Peak Flow/ Design Flow Ratio	Peak Flow Velocity	Peak Flow Depth	Peak Flow Depth/ Total Depth Ratio	Total Time Surcharged	Reported Condition
					(ft)	(ft)	(ft)	(%)	(in)		(cfs)	(cfs)		(ft/sec)	(ft)		(min)	
1	D-01	Pipe	D-02	D-03	72.20	82.83	82.61	0.3000	15.000	0.0130	3.26	3.57	0.92	3.49	1.25	1.00	3.00	SURCHARGED
2	D-02	Pipe	D-01	D-02	60.32	84.55	84.37	0.3000	15.000	0.0130	2.37	3.53	0.67	3.24	0.72	0.58	0.00	Calculated
3	DP-1	Pipe	DS-1	DS-OF-1	100.95	75.65	75.00	0.6400	18.000	0.0130	7.71	8.43	0.91	4.93	1.24	0.83	0.00	Calculated
4	DP-10	Pipe	DS-10	DS-9	19.04	77.68	77.49	1.0000	36.000	0.0130	39.18	66.63	0.59	5.55	2.98	0.99	0.00	Calculated
5	DP-11	Pipe	DS-11	DS-10	99.40	78.24	77.78	0.4600	36.000	0.0130	36.31	45.37	0.80	5.14	3.00	1.00	4.00	SURCHARGED
6	DP-12	Pipe	DS-12	DS-9	83.02	79.79	78.89	1.0800	18.000	0.0130	6.90	10.94	0.63	6.54	1.14	0.76	0.00	Calculated
7	DP-13	Pipe	DS-13	DS-7	19.06	78.92	78.42	2.6200	18.000	0.0130	4.65	17.01	0.27	6.39	0.64	0.43	0.00	Calculated
8	DP-14	Pipe	DS-14	DS-8	18.90	79.65	79.15	2.6500	18.000	0.0130	1.66	17.09	0.10	5.13	0.36	0.24	0.00	Calculated
9	DP-15	Pipe	DS-15	DS-4	126.47	80.97	79.71	1.0000	18.000	0.0130	0.53	10.48	0.05	1.79	0.34	0.23	0.00	Calculated
10	DP-2	Pipe	DS-2	DS-1	140.42	76.72	75.75	0.6900	18.000	0.0130	7.42	8.73	0.85	4.61	1.30	0.87	0.00	Calculated
11	DP-2A	Pipe	DS-2A	DS-2	112.93	77.65	76.82	0.7300	18.000	0.0130	5.92	9.01	0.66	4.22	1.12	0.75	0.00	Calculated
12	DP-2B.10	Pipe	DS-2B.10	DS-2B.9	61.76	82.42	82.10	0.5200	18.000	0.0130	5.65	7.60	0.74	4.25	1.50	1.00	3.00	SURCHARGED
13	DP-2B.11	Pipe	DS-2B.11	DS-2B.10	46.98	83.69	83.50	0.4000	18.000	0.0130	1.18	6.68	0.18	2.68	0.83	0.55	0.00	Calculated
14	DP-2B.14	Pipe	DS-2B.14	DS-2B.6	188.92	83.13	82.84	0.1500	18.000	0.0130	5.93	4.70	1.26	3.36	1.50	1.00	12.00	SURCHARGED
15	DP-2B.15	Pipe	DS-2B.15	DS-2B.14	79.60	84.00	83.23	0.9700	18.000	0.0130	3.83	10.33	0.37	2.57	1.50	1.00	8.00	SURCHARGED
16	DP-2B.3	Pipe	DS-2B.3	DS-11	143.44	80.24	78.24	1.3900	30.000	0.0130	36.27	48.43	0.75	7.39	2.50	1.00	6.00	SURCHARGED
17	DP-2B.4	Pipe	DS-2B.4	DS-2B.3	66.87	80.61	80.34	0.4000	30.000	0.0130	26.23	26.06	1.01	5.60	2.50	1.00	5.00	SURCHARGED
18	DP-2B.5	Pipe	DS-2B.5	DS-2B.4	22.50	80.99	80.71	1.2400	30.000	0.0130	25.21	45.76	0.55	5.14	2.50	1.00	6.00	SURCHARGED
19	DP-2B.6	Pipe	DS-2B.6	DS-2B.5	351.85	82.84	81.49	0.3800	24.000	0.0130	20.59	14.01	1.47	6.55	2.00	1.00	7.00	SURCHARGED
20	DP-2B.7(2)	Pipe	DS-2B.6(ALDI)	DS-2B.7(ALDI)	148.74	85.88	84.29	1.0700	18.000	0.0130	6.43	10.86	0.59	5.13	1.00	0.67	0.00	Calculated
21	DP-2B.8	Pipe	DS-2B.8	DS-2B.6(ALDI)	54.04	86.50	85.98	0.9600	18.000	0.0130	0.95	10.30	0.09	1.58	0.58	0.39	0.00	Calculated
22	DP-2B.9	Pipe	DS-2B.9	DS-2B.3	183.33	81.52	80.84	0.3700	24.000	0.0130	9.40	13.80	0.68	4.22	2.00	1.00	4.00	SURCHARGED
23	DP-2B7(1)	Pipe	DS-2B.7(ALDI)	DS-2B.5	31.03	84.29	83.96	1.0600	18.000	0.0130	6.39	10.83	0.59	5.39	0.99	0.66	0.00	Calculated
24	DP-3	Pipe	DS-3	DS-2A	68.08	78.83	77.75	1.5900	18.000	0.0130	4.38	13.23	0.33	4.42	0.82	0.55	0.00	Calculated
25	DP-4	Pipe	DS-4	DS-3	67.88	79.61	78.93	1.0000	18.000	0.0130	2.36	10.51	0.22	3.83	0.57	0.38	0.00	Calculated
26	DP-5	Pipe	DS-5	DS-4	80.98	80.52	79.71	1.0000	18.000	0.0130	1.13	10.51	0.11	3.00	0.40	0.27	0.00	Calculated
27	DP-6	Pipe	DS-6	DS-OF-2	50.19	75.57	75.00	1.1400	48.000	0.0130	48.60	153.08	0.32	8.51	1.86	0.46	0.00	Calculated
28	DP-7	Pipe	DS-7	DS-6	50.74	75.92	75.67	0.4900	48.000	0.0130	48.60	100.83	0.48	6.30	2.36	0.59	0.00	Calculated
29	DP-8	Pipe	DS-8	DS-7	126.02	76.65	76.02	0.5000	48.000	0.0130	44.47	101.56	0.44	5.23	2.57	0.64	0.00	Calculated
30	DP-9	Pipe	DS-9	DS-8	127.14	77.39	76.75	0.5000	36.000	0.0130	42.84	47.32	0.91	6.33	2.74	0.91	0.00	Calculated
31	EX.18in_D-03	Pipe	D-03	DS-2B.9	23.13	81.77	81.52	1.0800	18.000	0.0130	4.31	10.92	0.39	4.00	1.50	1.00	5.00	SURCHARGED
32	YD-01	Pipe	YD-01	YD-02	62.12	87.15	86.46	1.1100	8.000	0.0090	0.91	1.84	0.50	4.92	0.40	0.60	0.00	Calculated
33	YD-02	Pipe	YD-02	D-01	98.87	86.46	85.44	1.0300	10.000	0.0090	1.30	3.21	0.41	5.10	0.40	0.47	0.00	Calculated
34	Gutter-3to11	Channel	DS-2B.3	DS-2B.11	187.71	90.46	88.15	1.2300	8.640	0.0130	0.26	5.43	0.05	50.00	0.16	0.21	0.00	
35	Gutter-4to10	Channel	DS-2B.4	DS-2B.10	263.98	91.11	88.15	1.1200	8.640	0.0130	0.15	5.18	0.03	50.00	0.19	0.26	0.00	
36	Gutter-9to10	Channel	DS-2B.9	DS-2B.10	61.76	89.00	88.15	1.3800	8.640	0.0130	0.00	5.74	0.00	0.00	0.00	0.00	0.00	

Inlet Summary

SN	Element ID	Inlet Manufacturer	Manufacturer Part Number	Inlet Location	Number of Inlets	Catchbasin Invert Elevation (ft)	Max (Rim) Elevation (ft)	Initial Water Elevation (ft)	Ponded Area (ft^2)	Peak Flow (cfs)	Peak Flow Intercepted by Inlet (cfs)	Peak Flow Bypassing Inlet (cfs)	Inlet Efficiency during Peak Flow (%)	Allowable Spread (ft)	Max Gutter Spread during Peak Flow (ft)	Max Gutter Water Elev. during Peak Flow (ft)
1	D-01	FDOT	DBI - Type C	On Sag	1	84.55	89.26	84.55	10.00	1.09	N/A	N/A	N/A	7.00	3.69	89.58
2	D-02	FDOT	DBI - Type C	On Sag	1	82.83	89.48	82.83	10.00	0.86	N/A	N/A	N/A	7.00	2.71	89.75
3	DS-1	FDOT	DBI - Type F	On Sag	1	75.65	88.08	75.80	10.00	0.40	N/A	N/A	N/A	7.00	1.21	88.20
4	DS-10	FDOT	DBI - Type F	On Sag	1	77.68	86.35	77.68	0.00	3.37	N/A	N/A	N/A	7.00	12.29	86.85
5	DS-11	FDOT	DBI - Type F	On Sag	1	78.24	88.11	78.24	0.00	0.05	N/A	N/A	N/A	7.00	0.14	88.12
6	DS-12	FDOT	DBI - Type F	On Sag	1	79.79	86.81	82.81	10.00	4.19	N/A	N/A	N/A	7.00	14.31	87.35
7	DS-13	FDOT	DBI - Type F	On Sag	1	78.92	85.01	77.80	10.00	4.66	N/A	N/A	N/A	7.00	15.38	85.57
8	DS-14	FDOT	DBI - Type F	On Sag	1	79.65	86.39	78.03	10.00	1.66	N/A	N/A	N/A	7.00	6.69	86.77
9	DS-15	FDOT	DBI - Type F	On Sag	1	80.97	89.03	80.97	10.00	0.54	N/A	N/A	N/A	7.00	1.63	89.20
10	DS-2	FDOT	DBI - Type F	On Sag	1	76.72	85.97	76.72	10.00	1.70	N/A	N/A	N/A	7.00	6.89	86.36
11	DS-2A	FDOT	DBI - Type F	On Sag	1	77.65	87.63	77.65	10.00	1.63	N/A	N/A	N/A	7.00	6.49	88.01
12	DS-2B.10	FDOT	Curb Inlet - Type 4	On Sag	1	82.42	88.15	82.42	0.00	4.75	N/A	N/A	N/A	7.00	2.37	88.50
13	DS-2B.11	FDOT	Curb Inlet - Type 4	On Sag	1	83.69	88.15	82.69	0.00	0.92	N/A	N/A	N/A	7.00	0.70	88.43
14	DS-2B.14	FDOT	DBI - Type F	On Sag	1	83.13	88.80	83.13	10.00	3.58	N/A	N/A	N/A	7.00	12.39	89.31
15	DS-2B.15	FDOT	DBI - Type F	On Sag	1	84.00	88.00	84.00	10.00	3.43	N/A	N/A	N/A	7.00	12.03	88.50
16	DS-2B.3	FDOT	Curb Inlet - Type 3	On Grade	1	80.24	90.46	80.24	N/A	1.54	1.29	0.26	83.34	7.00	6.74	90.68
17	DS-2B.4	FDOT	Curb Inlet - Type 3	On Grade	1	80.61	91.11	80.61	N/A	1.27	1.11	0.15	88.01	7.00	6.03	91.32
18	DS-2B.5	FDOT	DBI - Type F	On Sag	1	80.99	89.00	80.99	0.00	0.34	N/A	N/A	N/A	7.00	1.02	89.10
19	DS-2B.6	FDOT	DBI - Type F	On Sag	1	82.84	89.00	82.84	0.00	16.66	N/A	N/A	N/A	7.00	36.61	89.98
20	DS-2B.8	FDOT	DBI - Type F	On Sag	1	86.50	94.00	86.50	0.00	0.94	N/A	N/A	N/A	7.00	2.84	94.29
21	DS-3	FDOT	DBI - Type F	On Sag	1	78.83	87.55	78.83	10.00	2.11	N/A	N/A	N/A	7.00	8.87	87.98
22	DS-4	FDOT	DBI - Type F	On Sag	1	79.61	89.35	79.61	10.00	0.75	N/A	N/A	N/A	7.00	2.29	89.58
23	DS-5	FDOT	DBI - Type E	On Sag	1	80.52	86.80	80.52	10.00	1.13	N/A	N/A	N/A	7.00	3.93	87.13
24	DS-7	FDOT	DBI - Type F	On Sag	1	75.92	85.36	75.92	0.00	0.18	N/A	N/A	N/A	7.00	0.54	85.41
25	DS-8	FDOT	DBI - Type F	On Sag	1	76.65	86.74	76.65	0.00	0.23	N/A	N/A	N/A	7.00	0.69	86.81
26	YD-01	FHWA HEC-22 GENERIC	N/A	On Sag	1	87.15	90.00	87.15	0.00	0.86	N/A	N/A	N/A	7.00	10.54	90.32
27	YD-02	FHWA HEC-22 GENERIC	N/A	On Sag	1	86.46	90.50	86.46	0.00	0.44	N/A	N/A	N/A	7.00	5.61	90.72

Subbasin Hydrology

Subbasin : 2B.10

Input Data

Area (ac)	0.59
Weighted Runoff Coefficient	0.7

Runoff Coefficient

Soil/Surface Description	Area (acres)	Soil Group	Runoff Coeff.
-	0.59	-	0.7
Composite Area & Weighted Runoff Coeff.	0.59		0.7

Subbasin Runoff Results

Total Rainfall (in)	1.38
Total Runoff (in)	0.97
Peak Runoff (cfs)	3.43
Rainfall Intensity	8.3
Weighted Runoff Coefficient	0.7
Time of Concentration (days hh:mm:ss)	0 00:10:00

Subbasin : 2B.11

Input Data

Area (ac)	0.1
Weighted Runoff Coefficient	0.9

Runoff Coefficient

Soil/Surface Description	Area (acres)	Soil Group	Runoff Coeff.
-	0.1	-	0.9
Composite Area & Weighted Runoff Coeff.	0.1		0.9

Subbasin Runoff Results

Total Rainfall (in)	1.38
Total Runoff (in)	1.25
Peak Runoff (cfs)	0.74
Rainfall Intensity	8.3
Weighted Runoff Coefficient	0.9
Time of Concentration (days hh:mm:ss)	0 00:10:00

Subbasin : 2B.12

Input Data

Area (ac)	0.1
Weighted Runoff Coefficient	0.9

Runoff Coefficient

Soil/Surface Description	Area (acres)	Soil Group	Runoff Coeff.
-	0.1	-	0.9
Composite Area & Weighted Runoff Coeff.	0.1		0.9

Subbasin Runoff Results

Total Rainfall (in)	1.38
Total Runoff (in)	1.25
Peak Runoff (cfs)	0.77
Rainfall Intensity	8.3
Weighted Runoff Coefficient	0.9
Time of Concentration (days hh:mm:ss)	0 00:10:00

Subbasin : 2B.13

Input Data

Area (ac)	0.36
Weighted Runoff Coefficient	0.7

Runoff Coefficient

Soil/Surface Description	Area (acres)	Soil Group	Runoff Coeff.
-	0.34	-	0.7
Composite Area & Weighted Runoff Coeff.	0.34		0.7

Subbasin Runoff Results

Total Rainfall (in)	1.38
Total Runoff (in)	0.97
Peak Runoff (cfs)	2.07
Rainfall Intensity	8.3
Weighted Runoff Coefficient	0.7
Time of Concentration (days hh:mm:ss)	0 00:10:00

Subbasin : 2B.14

Input Data

Area (ac)	2.14
Weighted Runoff Coefficient	0.7

Runoff Coefficient

Soil/Surface Description	Area (acres)	Soil Group	Runoff Coeff.
-	2.14	-	0.7
Composite Area & Weighted Runoff Coeff.	2.14		0.7

Subbasin Runoff Results

Total Rainfall (in)	1.38
Total Runoff (in)	0.97
Peak Runoff (cfs)	12.46
Rainfall Intensity	8.3
Weighted Runoff Coefficient	0.7
Time of Concentration (days hh:mm:ss)	0 00:10:00

Subbasin : 2B.15

Input Data

Area (ac)	0.16
Weighted Runoff Coefficient	0.7

Runoff Coefficient

Soil/Surface Description	Area (acres)	Soil Group	Runoff Coeff.
-	0.16	-	0.7
Composite Area & Weighted Runoff Coeff.	0.16		0.7

Subbasin Runoff Results

Total Rainfall (in)	1.38
Total Runoff (in)	0.97
Peak Runoff (cfs)	0.94
Rainfall Intensity	8.3
Weighted Runoff Coefficient	0.7
Time of Concentration (days hh:mm:ss)	0 00:10:00

Subbasin : 2B.16(OFFSITE)

Input Data

Area (ac)	5.06
Weighted Runoff Coefficient	0.2

Runoff Coefficient

Soil/Surface Description	Area (acres)	Soil Group	Runoff Coeff.
-	5.06	-	0.2
Composite Area & Weighted Runoff Coeff.	5.06		0.2

Subbasin Runoff Results

Total Rainfall (in)	2.77
Total Runoff (in)	0.55
Peak Runoff (cfs)	8.4
Rainfall Intensity	8.3
Weighted Runoff Coefficient	0.2
Time of Concentration (days hh:mm:ss)	0 00:20:00

Subbasin : 2B.17

Input Data

Area (ac)	0.2
Weighted Runoff Coefficient	0.2

Runoff Coefficient

Soil/Surface Description	Area (acres)	Soil Group	Runoff Coeff.
-	0.2	-	0.2
Composite Area & Weighted Runoff Coeff.	0.2		0.2

Subbasin Runoff Results

Total Rainfall (in)	1.38
Total Runoff (in)	0.28
Peak Runoff (cfs)	0.34
Rainfall Intensity	8.3
Weighted Runoff Coefficient	0.2
Time of Concentration (days hh:mm:ss)	0 00:10:00

Subbasin : 2B.2

Input Data

Area (ac)	0.27
Weighted Runoff Coefficient	0.7

Runoff Coefficient

Soil/Surface Description	Area (acres)	Soil Group	Runoff Coeff.
-	0.27	-	0.7
Composite Area & Weighted Runoff Coeff.	0.27		0.7

Subbasin Runoff Results

Total Rainfall (in)	1.38
Total Runoff (in)	0.97
Peak Runoff (cfs)	1.55
Rainfall Intensity	8.3
Weighted Runoff Coefficient	0.7
Time of Concentration (days hh:mm:ss)	0 00:10:00

Subbasin : 2B.3

Input Data

Area (ac)	0.22
Weighted Runoff Coefficient	0.7

Runoff Coefficient

Soil/Surface Description	Area (acres)	Soil Group	Runoff Coeff.
-	0.22	-	0.7
Composite Area & Weighted Runoff Coeff.	0.22		0.7

Subbasin Runoff Results

Total Rainfall (in)	1.38
Total Runoff (in)	0.97
Peak Runoff (cfs)	1.27
Rainfall Intensity	8.3
Weighted Runoff Coefficient	0.7
Time of Concentration (days hh:mm:ss)	0 00:10:00

Subbasin : 2B.4

Input Data

Area (ac)	0.16
Weighted Runoff Coefficient	0.7

Runoff Coefficient

Soil/Surface Description	Area (acres)	Soil Group	Runoff Coeff.
-	0.16	-	0.7
Composite Area & Weighted Runoff Coeff.	0.16		0.7

Subbasin Runoff Results

Total Rainfall (in)	1.38
Total Runoff (in)	0.97
Peak Runoff (cfs)	0.92
Rainfall Intensity	8.3
Weighted Runoff Coefficient	0.7
Time of Concentration (days hh:mm:ss)	0 00:10:00

Subbasin : 2B.5

Input Data

Area (ac)	0.32
Weighted Runoff Coefficient	0.9

Runoff Coefficient

Soil/Surface Description	Area (acres)	Soil Group	Runoff Coeff.
-	0.28	-	0.9
Composite Area & Weighted Runoff Coeff.	0.28		0.9

Subbasin Runoff Results

Total Rainfall (in)	1.38
Total Runoff (in)	1.25
Peak Runoff (cfs)	2.4
Rainfall Intensity	8.3
Weighted Runoff Coefficient	0.9
Time of Concentration (days hh:mm:ss)	0 00:10:00

Subbasin : 2B.6

Input Data

Area (ac)	0.4
Weighted Runoff Coefficient	0.7

Runoff Coefficient

Soil/Surface Description	Area (acres)	Soil Group	Runoff Coeff.
-	0.4	-	0.7
Composite Area & Weighted Runoff Coeff.	0.4		0.7

Subbasin Runoff Results

Total Rainfall (in)	1.38
Total Runoff (in)	0.97
Peak Runoff (cfs)	2.35
Rainfall Intensity	8.3
Weighted Runoff Coefficient	0.7
Time of Concentration (days hh:mm:ss)	0 00:10:00

Subbasin : 2B.7(D-03)

Input Data

Area (ac)	0.19
Weighted Runoff Coefficient	0.9

Runoff Coefficient

Soil/Surface Description	Area (acres)	Soil Group	Runoff Coeff.
-	0.19	-	0.9
Composite Area & Weighted Runoff Coeff.	0.19		0.9

Subbasin Runoff Results

Total Rainfall (in)	1.38
Total Runoff (in)	1.25
Peak Runoff (cfs)	1.39
Rainfall Intensity	8.3
Weighted Runoff Coefficient	0.9
Time of Concentration (days hh:mm:ss)	0 00:10:00

Subbasin : 2B.9

Input Data

Area (ac)	0.97
Weighted Runoff Coefficient	0.7

Runoff Coefficient

Soil/Surface Description	Area (acres)	Soil Group	Runoff Coeff.
-	0.97	-	0.7
Composite Area & Weighted Runoff Coeff.	0.97		0.7

Subbasin Runoff Results

Total Rainfall (in)	1.38
Total Runoff (in)	0.97
Peak Runoff (cfs)	5.62
Rainfall Intensity	8.3
Weighted Runoff Coefficient	0.7
Time of Concentration (days hh:mm:ss)	0 00:10:00

Subbasin : DB2.1

Input Data

Area (ac)	0.05
Weighted Runoff Coefficient	0.9

Runoff Coefficient

Soil/Surface Description	Area (acres)	Soil Group	Runoff Coeff.
-	0.05	-	0.9
Composite Area & Weighted Runoff Coeff.	0.05		0.9

Subbasin Runoff Results

Total Rainfall (in)	1.38
Total Runoff (in)	1.25
Peak Runoff (cfs)	0.4
Rainfall Intensity	8.3
Weighted Runoff Coefficient	0.9
Time of Concentration (days hh:mm:ss)	0 00:10:00

Subbasin : DB2.10

Input Data

Area (ac)	0.45
Weighted Runoff Coefficient	0.9

Runoff Coefficient

Soil/Surface Description	Area (acres)	Soil Group	Runoff Coeff.
-	0.45	-	0.9
Composite Area & Weighted Runoff Coeff.	0.45		0.9

Subbasin Runoff Results

Total Rainfall (in)	1.38
Total Runoff (in)	1.25
Peak Runoff (cfs)	3.37
Rainfall Intensity	8.3
Weighted Runoff Coefficient	0.9
Time of Concentration (days hh:mm:ss)	0 00:10:00

Subbasin : DB-2.11

Input Data

Area (ac)	0.02
Weighted Runoff Coefficient	0.3

Runoff Coefficient

Soil/Surface Description	Area (acres)	Soil Group	Runoff Coeff.
-	0.02	-	0.3
Composite Area & Weighted Runoff Coeff.	0.02		0.3

Subbasin Runoff Results

Total Rainfall (in)	1.38
Total Runoff (in)	0.42
Peak Runoff (cfs)	0.05
Rainfall Intensity	8.3
Weighted Runoff Coefficient	0.3
Time of Concentration (days hh:mm:ss)	0 00:10:00

Subbasin : DB2.12

Input Data

Area (ac)	0.56
Weighted Runoff Coefficient	0.9

Runoff Coefficient

Soil/Surface Description	Area (acres)	Soil Group	Runoff Coeff.
-	0.56	-	0.9
Composite Area & Weighted Runoff Coeff.	0.56		0.9

Subbasin Runoff Results

Total Rainfall (in)	1.38
Total Runoff (in)	1.25
Peak Runoff (cfs)	4.2
Rainfall Intensity	8.3
Weighted Runoff Coefficient	0.9
Time of Concentration (days hh:mm:ss)	0 00:10:00

Subbasin : DB2.13

Input Data

Area (ac)	0.62
Weighted Runoff Coefficient	0.9

Runoff Coefficient

Soil/Surface Description	Area (acres)	Soil Group	Runoff Coeff.
-	0.62	-	0.9
Composite Area & Weighted Runoff Coeff.	0.62		0.9

Subbasin Runoff Results

Total Rainfall (in)	1.38
Total Runoff (in)	1.25
Peak Runoff (cfs)	4.66
Rainfall Intensity	8.3
Weighted Runoff Coefficient	0.9
Time of Concentration (days hh:mm:ss)	0 00:10:00

Subbasin : DB2.14

Input Data

Area (ac)	0.22
Weighted Runoff Coefficient	0.9

Runoff Coefficient

Soil/Surface Description	Area (acres)	Soil Group	Runoff Coeff.
-	0.22	-	0.9
Composite Area & Weighted Runoff Coeff.	0.22		0.9

Subbasin Runoff Results

Total Rainfall (in)	1.38
Total Runoff (in)	1.25
Peak Runoff (cfs)	1.66
Rainfall Intensity	8.3
Weighted Runoff Coefficient	0.9
Time of Concentration (days hh:mm:ss)	0 00:10:00

Subbasin : DB2.15

Input Data

Area (ac)	0.07
Weighted Runoff Coefficient	0.9

Runoff Coefficient

Soil/Surface Description	Area (acres)	Soil Group	Runoff Coeff.
-	0.07	-	0.9
Composite Area & Weighted Runoff Coeff.	0.07		0.9

Subbasin Runoff Results

Total Rainfall (in)	1.38
Total Runoff (in)	1.25
Peak Runoff (cfs)	0.54
Rainfall Intensity	8.3
Weighted Runoff Coefficient	0.9
Time of Concentration (days hh:mm:ss)	0 00:10:00

Subbasin : DB2.2

Input Data

Area (ac)	0.23
Weighted Runoff Coefficient	0.9

Runoff Coefficient

Soil/Surface Description	Area (acres)	Soil Group	Runoff Coeff.
-	0.23	-	0.9
Composite Area & Weighted Runoff Coeff.	0.23		0.9

Subbasin Runoff Results

Total Rainfall (in)	1.38
Total Runoff (in)	1.25
Peak Runoff (cfs)	1.7
Rainfall Intensity	8.3
Weighted Runoff Coefficient	0.9
Time of Concentration (days hh:mm:ss)	0 00:10:00

Subbasin : DB2.2A

Input Data

Area (ac)	0.22
Weighted Runoff Coefficient	0.9

Runoff Coefficient

Soil/Surface Description	Area (acres)	Soil Group	Runoff Coeff.
-	0.22	-	0.9
Composite Area & Weighted Runoff Coeff.	0.22		0.9

Subbasin Runoff Results

Total Rainfall (in)	1.38
Total Runoff (in)	1.25
Peak Runoff (cfs)	1.63
Rainfall Intensity	8.3
Weighted Runoff Coefficient	0.9
Time of Concentration (days hh:mm:ss)	0 00:10:00

Subbasin : DB2.3

Input Data

Area (ac)	0.28
Weighted Runoff Coefficient	0.9

Runoff Coefficient

Soil/Surface Description	Area (acres)	Soil Group	Runoff Coeff.
-	0.28	-	0.9
Composite Area & Weighted Runoff Coeff.	0.28		0.9

Subbasin Runoff Results

Total Rainfall (in)	1.38
Total Runoff (in)	1.25
Peak Runoff (cfs)	2.11
Rainfall Intensity	8.3
Weighted Runoff Coefficient	0.9
Time of Concentration (days hh:mm:ss)	0 00:10:00

Subbasin : DB2.4

Input Data

Area (ac)	0.1
Weighted Runoff Coefficient	0.9

Runoff Coefficient

Soil/Surface Description	Area (acres)	Soil Group	Runoff Coeff.
-	0.1	-	0.9
Composite Area & Weighted Runoff Coeff.	0.1		0.9

Subbasin Runoff Results

Total Rainfall (in)	1.38
Total Runoff (in)	1.25
Peak Runoff (cfs)	0.75
Rainfall Intensity	8.3
Weighted Runoff Coefficient	0.9
Time of Concentration (days hh:mm:ss)	0 00:10:00

Subbasin : DB2.5

Input Data

Area (ac)	0.45
Weighted Runoff Coefficient	0.3

Runoff Coefficient

Soil/Surface Description	Area (acres)	Soil Group	Runoff Coeff.
-	0.45	-	0.3
Composite Area & Weighted Runoff Coeff.	0.45		0.3

Subbasin Runoff Results

Total Rainfall (in)	1.38
Total Runoff (in)	0.42
Peak Runoff (cfs)	1.13
Rainfall Intensity	8.3
Weighted Runoff Coefficient	0.3
Time of Concentration (days hh:mm:ss)	0 00:10:00

Subbasin : DB2.7

Input Data

Area (ac)	0.07
Weighted Runoff Coefficient	0.3

Runoff Coefficient

Soil/Surface Description	Area (acres)	Soil Group	Runoff Coeff.
-	0.07	-	0.3
Composite Area & Weighted Runoff Coeff.	0.07		0.3

Subbasin Runoff Results

Total Rainfall (in)	1.38
Total Runoff (in)	0.42
Peak Runoff (cfs)	0.18
Rainfall Intensity	8.3
Weighted Runoff Coefficient	0.3
Time of Concentration (days hh:mm:ss)	0 00:10:00

Subbasin : DB2.8

Input Data

Area (ac)	0.09
Weighted Runoff Coefficient	0.3

Runoff Coefficient

Soil/Surface Description	Area (acres)	Soil Group	Runoff Coeff.
-	0.09	-	0.3
Composite Area & Weighted Runoff Coeff.	0.09		0.3

Subbasin Runoff Results

Total Rainfall (in)	1.38
Total Runoff (in)	0.42
Peak Runoff (cfs)	0.23
Rainfall Intensity	8.3
Weighted Runoff Coefficient	0.3
Time of Concentration (days hh:mm:ss)	0 00:10:00

Subbasin : Sub-D-01

Input Data

Area (ac)	0.15
Weighted Runoff Coefficient	0.69

Runoff Coefficient

Soil/Surface Description	Area (acres)	Soil Group	Runoff Coeff.
-	0.15	-	0.69
Composite Area & Weighted Runoff Coeff.	0.15		0.69

Subbasin Runoff Results

Total Rainfall (in)	1.38
Total Runoff (in)	0.95
Peak Runoff (cfs)	0.86
Rainfall Intensity	8.3
Weighted Runoff Coefficient	0.69
Time of Concentration (days hh:mm:ss)	0 00:10:00

Subbasin : Sub-D-02

Input Data

Area (ac)	0.19
Weighted Runoff Coefficient	0.69

Runoff Coefficient

Soil/Surface Description	Area (acres)	Soil Group	Runoff Coeff.
-	0.19	-	0.69
Composite Area & Weighted Runoff Coeff.	0.19		0.69

Subbasin Runoff Results

Total Rainfall (in)	1.38
Total Runoff (in)	0.95
Peak Runoff (cfs)	1.09
Rainfall Intensity	8.3
Weighted Runoff Coefficient	0.69
Time of Concentration (days hh:mm:ss)	0 00:10:00

Subbasin : Sub-YD01

Input Data

Area (ac)	0.02
Weighted Runoff Coefficient	0.13

Runoff Coefficient

Soil/Surface Description	Area (acres)	Soil Group	Runoff Coeff.
-	0.02	-	0.13
Composite Area & Weighted Runoff Coeff.	0.02		0.13

Subbasin Runoff Results

Total Rainfall (in)	1.38
Total Runoff (in)	0.18
Peak Runoff (cfs)	0.02
Rainfall Intensity	8.3
Weighted Runoff Coefficient	0.13
Time of Concentration (days hh:mm:ss)	0 00:10:00

Subbasin : Sub-YD02

Input Data

Area (ac)	0.02
Weighted Runoff Coefficient	0.13

Runoff Coefficient

Soil/Surface Description	Area (acres)	Soil Group	Runoff Coeff.
-	0.02	-	0.13
Composite Area & Weighted Runoff Coeff.	0.02		0.13

Subbasin Runoff Results

Total Rainfall (in)	1.38
Total Runoff (in)	0.18
Peak Runoff (cfs)	0.02
Rainfall Intensity	8.3
Weighted Runoff Coefficient	0.13
Time of Concentration (days hh:mm:ss)	0 00:10:00

Junction Input

SN	Element ID	Invert Elevation (ft)	Ground/Rim (Max) Elevation (ft)	Ground/Rim (Max) Offset (ft)	Initial Water Elevation (ft)	Initial Water Depth (ft)	Surcharge Elevation (ft)	Surcharge Depth (ft)	Ponded Area (ft^2)	Minimum Pipe Cover (in)
1	D-03	81.77	89.47	7.70	81.77	0.00	89.50	0.03	10.00	0.00
2	DS-2B.6(ALDI)	85.88	91.85	5.97	85.88	0.00	0.00	-91.85	0.00	0.00
3	DS-2B.7(ALDI)	84.29	92.00	7.71	84.29	0.00	0.00	-92.00	0.00	0.00
4	DS-2B.9	81.52	89.00	7.48	81.52	0.00	89.00	0.00	0.00	0.00
5	DS-6	75.57	82.35	6.78	75.80	0.23	82.35	0.00	0.00	0.00
6	DS-9	77.39	86.70	9.31	77.39	0.00	86.70	0.00	0.00	0.00

Junction Results

SN	Element ID	Peak Inflow (cfs)	Peak Lateral Inflow (cfs)	Max HGL Elevation Attained (ft)	Max HGL Depth Attained (ft)	Max Surcharge Depth Attained (ft)	Min Freeboard Attained (ft)	Average HGL Elevation Attained (ft)	Average HGL Depth Attained (ft)	Time of Max HGL Occurrence (days hh:mm)	Time of Peak Flooding Occurrence (days hh:mm)	Total Flooded Volume (ac-in)	Total Time Flooded (min)
1	D-03	4.64	1.39	84.26	2.49	0.00	5.21	82.21	0.44	0 00:11	0 00:00	0.00	0.00
2	DS-2B.6(ALDI)	6.48	5.62	86.81	0.93	0.00	5.04	85.89	0.01	0 00:10	0 00:00	0.00	0.00
3	DS-2B.7(ALDI)	6.43	0.00	85.37	1.08	0.00	6.63	84.30	0.01	0 00:10	0 00:00	0.00	0.00
4	DS-2B.9	9.75	0.00	84.13	2.61	0.00	5.59	81.96	0.44	0 00:11	0 00:00	0.00	0.00
5	DS-6	48.60	0.00	77.73	2.16	0.00	4.62	75.85	0.28	0 00:11	0 00:00	0.00	0.00
6	DS-9	42.85	0.00	80.46	3.07	0.00	6.24	77.77	0.38	0 00:11	0 00:00	0.00	0.00

Channel Input

SN	Element ID	Length (ft)	Inlet Invert Elevation (ft)	Inlet Invert Offset (ft)	Outlet Invert Elevation (ft)	Outlet Invert Offset (ft)	Total Drop (ft)	Average Slope (%)	Shape	Height (ft)	Width (ft)	Manning's Roughness	Entrance Losses	Exit/Bend Losses	Additional Losses	Initial Flow (cfs)	Flap Gate
1	Gutter-3to11	187.71	90.46	10.22	88.15	4.46	2.31	1.2300	User-Defined	0.720	25.000	0.0130	0.5000	0.5000	0.0000	0.00	No
2	Gutter-4to10	263.98	91.11	10.50	88.15	5.73	2.96	1.1200	User-Defined	0.720	25.000	0.0130	0.5000	0.5000	0.0000	0.00	No
3	Gutter-9to10	61.76	89.00	7.48	88.15	5.73	0.85	1.3800	User-Defined	0.720	25.000	0.0130	0.5000	0.5000	0.0000	0.00	No

Channel Results

SN	Element ID	Peak Flow	Time of Peak Flow Occurrence	Design Flow Capacity	Peak Flow/ Design Flow Ratio	Peak Flow Velocity	Travel Time	Peak Flow Depth	Peak Flow Depth/ Total Depth Ratio	Total Time Surcharged	Froude Number	Reported Condition
		(cfs)	(days hh:mm)	(cfs)		(ft/sec)	(min)	(ft)		(min)		
1	Gutter-3to11	0.26	0 00:10	5.43	0.05	50.00	0.06	0.16	0.21	0.00		
2	Gutter-4to10	0.15	0 00:10	5.18	0.03	50.00	0.09	0.19	0.26	0.00		
3	Gutter-9to10	0.00	0 00:00	5.74	0.00	0.00		0.00	0.00	0.00		

Pipe Input

SN	Element ID	Length (ft)	Inlet Invert Elevation (ft)	Inlet Invert Offset (ft)	Outlet Invert Elevation (ft)	Outlet Invert Offset (ft)	Total Drop (ft)	Average Slope (%)	Pipe Shape	Pipe Diameter or Height (in)	Pipe Width (in)	Manning's Roughness	Entrance Losses	Exit/Bend Losses	Additional Losses	Initial Flow (cfs)	Flap Gate	No. of Barrels
1	D-01	72.20	82.83	0.00	82.61	0.84	0.22	0.3000	CIRCULAR	15.000	15.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
2	D-02	60.32	84.55	0.00	84.37	1.54	0.18	0.3000	CIRCULAR	15.000	15.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
3	DP-1	100.95	75.65	0.00	75.00	0.00	0.65	0.6400	CIRCULAR	18.000	18.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
4	DP-10	19.04	77.68	0.00	77.49	0.10	0.19	1.0000	CIRCULAR	36.000	36.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
5	DP-11	99.40	78.24	0.00	77.78	0.10	0.46	0.4600	CIRCULAR	36.000	36.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
6	DP-12	83.02	79.79	0.00	78.89	1.50	0.90	1.0800	CIRCULAR	18.000	18.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
7	DP-13	19.06	78.92	0.00	78.42	2.50	0.50	2.6200	CIRCULAR	18.000	18.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
8	DP-14	18.90	79.65	0.00	79.15	2.50	0.50	2.6500	CIRCULAR	18.000	18.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
9	DP-15	126.47	80.97	0.00	79.71	0.10	1.26	1.0000	CIRCULAR	18.000	18.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
10	DP-2	140.42	76.72	0.00	75.75	0.10	0.97	0.6900	CIRCULAR	18.000	18.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
11	DP-2A	112.93	77.65	0.00	76.82	0.10	0.83	0.7300	CIRCULAR	18.000	18.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
12	DP-2B.10	61.76	82.42	0.00	82.10	0.58	0.32	0.5200	CIRCULAR	18.000	18.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
13	DP-2B.11	46.98	83.69	0.00	83.50	1.08	0.19	0.4000	CIRCULAR	18.000	18.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
14	DP-2B.14	188.92	83.13	0.00	82.84	0.00	0.29	0.1500	CIRCULAR	18.000	18.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
15	DP-2B.15	79.60	84.00	0.00	83.23	0.10	0.77	0.9700	CIRCULAR	18.000	18.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
16	DP-2B.3	143.44	80.24	0.00	78.24	0.00	2.00	1.3900	CIRCULAR	30.000	30.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
17	DP-2B.4	66.87	80.61	0.00	80.34	0.10	0.27	0.4000	CIRCULAR	30.000	30.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
18	DP-2B.5	22.50	80.99	0.00	80.71	0.10	0.28	1.2400	CIRCULAR	30.000	30.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
19	DP-2B.6	351.85	82.84	0.00	81.49	0.50	1.35	0.3800	CIRCULAR	24.000	24.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
20	DP-2B.7(2)	148.74	85.88	0.00	84.29	0.00	1.59	1.0700	CIRCULAR	18.000	18.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
21	DP-2B.8	54.04	86.50	0.00	85.98	0.10	0.52	0.9600	CIRCULAR	18.000	18.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
22	DP-2B.9	183.33	81.52	0.00	80.84	0.60	0.68	0.3700	CIRCULAR	24.000	24.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
23	DP-2B7(1)	31.03	84.29	0.00	83.96	2.97	0.33	1.0600	CIRCULAR	18.000	18.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
24	DP-3	68.08	78.83	0.00	77.75	0.10	1.08	1.5900	CIRCULAR	18.000	18.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
25	DP-4	67.88	79.61	0.00	78.93	0.10	0.68	1.0000	CIRCULAR	18.000	18.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
26	DP-5	80.98	80.52	0.00	79.71	0.10	0.81	1.0000	CIRCULAR	18.000	18.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
27	DP-6	50.19	75.57	0.00	75.00	0.00	0.57	1.1400	CIRCULAR	48.000	48.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
28	DP-7	50.74	75.92	0.00	75.67	0.10	0.25	0.4900	CIRCULAR	48.000	48.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
29	DP-8	126.02	76.65	0.00	76.02	0.10	0.63	0.5000	CIRCULAR	48.000	48.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
30	DP-9	127.14	77.39	0.00	76.75	0.10	0.64	0.5000	CIRCULAR	36.000	36.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
31	EX.18in_D-03	23.13	81.77	0.00	81.52	0.00	0.25	1.0800	CIRCULAR	18.000	18.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
32	YD-01	62.12	87.15	0.00	86.46	0.00	0.69	1.1100	CIRCULAR	8.040	8.040	0.0090	0.5000	0.5000	0.0000	0.00	No	1
33	YD-02	98.87	86.46	0.00	85.44	0.89	1.02	1.0300	CIRCULAR	9.960	9.960	0.0090	0.5000	0.5000	0.0000	0.00	No	1

Pipe Results

SN	Element ID	Peak Flow	Time of Peak Flow Occurrence	Design Flow Capacity	Peak Flow/ Design Flow Ratio	Peak Flow Velocity	Travel Time	Peak Flow Depth	Peak Flow Depth/ Total Depth Ratio	Total Time Surcharged	Froude Number	Reported Condition
		(cfs)	(days hh:mm)	(cfs)		(ft/sec)	(min)	(ft)		(min)		
1	D-01	3.26	0 00:10	3.57	0.92	3.49	0.34	1.25	1.00	3.00		SURCHARGED
2	D-02	2.37	0 00:10	3.53	0.67	3.24	0.31	0.72	0.58	0.00		Calculated
3	DP-1	7.71	0 00:11	8.43	0.91	4.93	0.34	1.24	0.83	0.00		Calculated
4	DP-10	39.18	0 00:11	66.63	0.59	5.55	0.06	2.98	0.99	0.00		Calculated
5	DP-11	36.31	0 00:11	45.37	0.80	5.14	0.32	3.00	1.00	4.00		SURCHARGED
6	DP-12	6.90	0 00:00	10.94	0.63	6.54	0.21	1.14	0.76	0.00		Calculated
7	DP-13	4.65	0 00:10	17.01	0.27	6.39	0.05	0.64	0.43	0.00		Calculated
8	DP-14	1.66	0 00:10	17.09	0.10	5.13	0.06	0.36	0.24	0.00		Calculated
9	DP-15	0.53	0 00:10	10.48	0.05	1.79	1.18	0.34	0.23	0.00		Calculated
10	DP-2	7.42	0 00:11	8.73	0.85	4.61	0.51	1.30	0.87	0.00		Calculated
11	DP-2A	5.92	0 00:10	9.01	0.66	4.22	0.45	1.12	0.75	0.00		Calculated
12	DP-2B.10	5.65	0 00:09	7.60	0.74	4.25	0.24	1.50	1.00	3.00		SURCHARGED
13	DP-2B.11	1.18	0 00:10	6.68	0.18	2.68	0.29	0.83	0.55	0.00		Calculated
14	DP-2B.14	5.93	0 00:07	4.70	1.26	3.36	0.94	1.50	1.00	12.00		SURCHARGED
15	DP-2B.15	3.83	0 00:07	10.33	0.37	2.57	0.52	1.50	1.00	8.00		SURCHARGED
16	DP-2B.3	36.27	0 00:11	48.43	0.75	7.39	0.32	2.50	1.00	6.00		SURCHARGED
17	DP-2B.4	26.23	0 00:10	26.06	1.01	5.60	0.20	2.50	1.00	5.00		SURCHARGED
18	DP-2B.5	25.21	0 00:09	45.76	0.55	5.14	0.07	2.50	1.00	6.00		SURCHARGED
19	DP-2B.6	20.59	0 00:09	14.01	1.47	6.55	0.90	2.00	1.00	7.00		SURCHARGED
20	DP-2B.7(2)	6.43	0 00:10	10.86	0.59	5.13	0.48	1.00	0.67	0.00		Calculated
21	DP-2B.8	0.95	0 00:10	10.30	0.09	1.58	0.57	0.58	0.39	0.00		Calculated
22	DP-2B.9	9.40	0 00:12	13.80	0.68	4.22	0.72	2.00	1.00	4.00		SURCHARGED
23	DP-2B7(1)	6.39	0 00:10	10.83	0.59	5.39	0.10	0.99	0.66	0.00		Calculated
24	DP-3	4.38	0 00:10	13.23	0.33	4.42	0.26	0.82	0.55	0.00		Calculated
25	DP-4	2.36	0 00:10	10.51	0.22	3.83	0.30	0.57	0.38	0.00		Calculated
26	DP-5	1.13	0 00:10	10.51	0.11	3.00	0.45	0.40	0.27	0.00		Calculated
27	DP-6	48.60	0 00:11	153.08	0.32	8.51	0.10	1.86	0.46	0.00		Calculated
28	DP-7	48.60	0 00:11	100.83	0.48	6.30	0.13	2.36	0.59	0.00		Calculated
29	DP-8	44.47	0 00:11	101.56	0.44	5.23	0.40	2.57	0.64	0.00		Calculated
30	DP-9	42.84	0 00:11	47.32	0.91	6.33	0.33	2.74	0.91	0.00		Calculated
31	EX.18in_D-03	4.31	0 00:11	10.92	0.39	4.00	0.10	1.50	1.00	5.00		SURCHARGED
32	YD-01	0.91	0 00:00	1.84	0.50	4.92	0.21	0.40	0.60	0.00		Calculated
33	YD-02	1.30	0 00:10	3.21	0.41	5.10	0.32	0.40	0.47	0.00		Calculated

Inlet Input

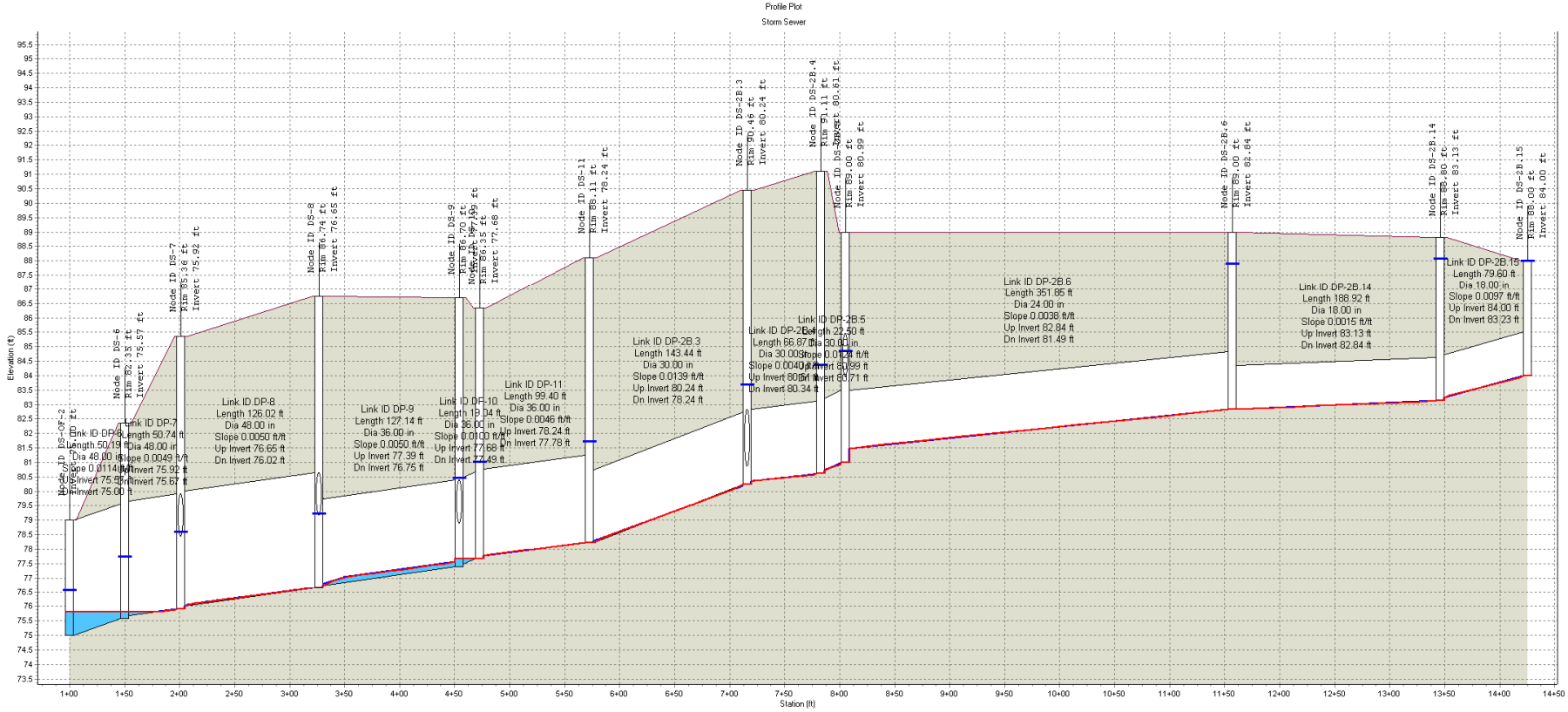
SN	Element ID	Inlet Manufacturer	Manufacturer Part Number	Inlet Location	Number of Inlets	Catchbasin Invert Elevation (ft)	Max (Rim) Elevation (ft)	Inlet Depth (ft)	Initial Water Elevation (ft)	Initial Water Depth (ft)	Ponded Area (ft^2)	Grate Clogging Factor (%)
1	D-01	FDOT	DBI - Type C	On Sag	1	84.55	89.26	4.71	84.55	0.00	10.00	0.00
2	D-02	FDOT	DBI - Type C	On Sag	1	82.83	89.48	6.65	82.83	0.00	10.00	0.00
3	DS-1	FDOT	DBI - Type F	On Sag	1	75.65	88.08	12.43	75.80	0.15	10.00	0.00
4	DS-10	FDOT	DBI - Type F	On Sag	1	77.68	86.35	8.67	77.68	0.00	0.00	0.00
5	DS-11	FDOT	DBI - Type F	On Sag	1	78.24	88.11	9.87	78.24	0.00	0.00	0.00
6	DS-12	FDOT	DBI - Type F	On Sag	1	79.79	86.81	7.02	82.81	3.02	10.00	0.00
7	DS-13	FDOT	DBI - Type F	On Sag	1	78.92	85.01	6.09	77.80	-1.12	10.00	0.00
8	DS-14	FDOT	DBI - Type F	On Sag	1	79.65	86.39	6.74	78.03	-1.62	10.00	0.00
9	DS-15	FDOT	DBI - Type F	On Sag	1	80.97	89.03	8.06	80.97	0.00	10.00	0.00
10	DS-2	FDOT	DBI - Type F	On Sag	1	76.72	85.97	9.25	76.72	0.00	10.00	0.00
11	DS-2A	FDOT	DBI - Type F	On Sag	1	77.65	87.63	9.98	77.65	0.00	10.00	0.00
12	DS-2B.10	FDOT	Curb Inlet - Type 4	On Sag	1	82.42	88.15	5.73	82.42	0.00	0.00	0.00
13	DS-2B.11	FDOT	Curb Inlet - Type 4	On Sag	1	83.69	88.15	4.46	82.69	-1.00	0.00	0.00
14	DS-2B.14	FDOT	DBI - Type F	On Sag	1	83.13	88.80	5.67	83.13	0.00	10.00	0.00
15	DS-2B.15	FDOT	DBI - Type F	On Sag	1	84.00	88.00	4.00	84.00	0.00	10.00	0.00
16	DS-2B.3	FDOT	Curb Inlet - Type 3	On Grade	1	80.24	90.46	10.22	80.24	0.00	N/A	0.00
17	DS-2B.4	FDOT	Curb Inlet - Type 3	On Grade	1	80.61	91.11	10.50	80.61	0.00	N/A	0.00
18	DS-2B.5	FDOT	DBI - Type F	On Sag	1	80.99	89.00	8.01	80.99	0.00	0.00	0.00
19	DS-2B.6	FDOT	DBI - Type F	On Sag	1	82.84	89.00	6.16	82.84	0.00	0.00	0.00
20	DS-2B.8	FDOT	DBI - Type F	On Sag	1	86.50	94.00	7.50	86.50	0.00	0.00	0.00
21	DS-3	FDOT	DBI - Type F	On Sag	1	78.83	87.55	8.72	78.83	0.00	10.00	0.00
22	DS-4	FDOT	DBI - Type F	On Sag	1	79.61	89.35	9.74	79.61	0.00	10.00	0.00
23	DS-5	FDOT	DBI - Type E	On Sag	1	80.52	86.80	6.28	80.52	0.00	10.00	0.00
24	DS-7	FDOT	DBI - Type F	On Sag	1	75.92	85.36	9.44	75.92	0.00	0.00	0.00
25	DS-8	FDOT	DBI - Type F	On Sag	1	76.65	86.74	10.09	76.65	0.00	0.00	0.00
26	YD-01	FHWA HEC-22 GENERIC	N/A	On Sag	1	87.15	90.00	2.85	87.15	0.00	0.00	0.00
27	YD-02	FHWA HEC-22 GENERIC	N/A	On Sag	1	86.46	90.50	4.04	86.46	0.00	0.00	0.00

Roadway & Gutter Input

SN	Element ID	Roadway Longitudinal Slope (ft/ft)	Roadway Cross Slope (ft/ft)	Roadway Manning's Roughness	Gutter Cross Slope (ft/ft)	Gutter Width (ft)	Gutter Depression (in)	Allowable Spread (ft)
1	D-01	N/A	0.0200	0.0160	0.0620	2.00	0.0656	7.00
2	D-02	N/A	0.0200	0.0160	0.0620	2.00	0.0656	7.00
3	DS-1	N/A	0.0200	0.0160	0.0620	2.00	0.0656	7.00
4	DS-10	N/A	0.0200	0.0160	0.0620	2.00	0.0656	7.00
5	DS-11	N/A	0.0200	0.0130	0.0620	2.00	0.0656	7.00
6	DS-12	N/A	0.0200	0.0160	0.0620	2.00	0.0656	7.00
7	DS-13	N/A	0.0200	0.0160	0.0620	2.00	0.0656	7.00
8	DS-14	N/A	0.0200	0.0160	0.0620	2.00	0.0656	7.00
9	DS-15	N/A	0.0200	0.0160	0.0620	2.00	0.0656	7.00
10	DS-2	N/A	0.0200	0.0160	0.0620	2.00	0.0656	7.00
11	DS-2A	N/A	0.0200	0.0160	0.0620	2.00	0.0656	7.00
12	DS-2B.10	N/A	0.0208	0.0130	0.0620	2.00	0.0656	7.00
13	DS-2B.11	N/A	0.0208	0.0130	0.0620	2.00	0.0656	7.00
14	DS-2B.14	N/A	0.0208	0.0130	0.0620	2.00	0.0656	7.00
15	DS-2B.15	N/A	0.0208	0.0130	0.0620	2.00	0.0656	7.00
16	DS-2B.3	0.0100	0.0208	0.0130	0.0620	2.00	0.0656	7.00
17	DS-2B.4	0.0100	0.0208	0.0130	0.0620	2.00	0.0656	7.00
18	DS-2B.5	N/A	0.0200	0.0160	0.0620	2.00	0.0656	7.00
19	DS-2B.6	N/A	0.0200	0.0130	0.0620	2.00	0.0656	7.00
20	DS-2B.8	N/A	0.0200	0.0130	0.0620	2.00	0.0656	7.00
21	DS-3	N/A	0.0200	0.0160	0.0620	2.00	0.0656	7.00
22	DS-4	N/A	0.0200	0.0160	0.0620	2.00	0.0656	7.00
23	DS-5	N/A	0.0200	0.0160	0.0620	2.00	0.0656	7.00
24	DS-7	N/A	0.0200	0.0160	0.0620	2.00	0.0656	7.00
25	DS-8	N/A	0.0200	0.0160	0.0620	2.00	0.0656	7.00
26	YD-01	N/A	0.0200	0.0160	0.0620	2.00	0.0656	7.00
27	YD-02	N/A	0.0200	0.0160	0.0620	2.00	0.0656	7.00

Inlet Results

SN	Element ID	Peak Flow (cfs)	Peak Lateral Inflow (cfs)	Peak Flow Intercepted by Inlet (cfs)	Peak Flow Bypassing Inlet (cfs)	Inlet Efficiency during Peak Flow (%)	Max Gutter Spread during Peak Flow (ft)	Max Gutter Water Elev. during Peak Flow (ft)	Max Gutter Water Depth during Peak Flow (ft)	Time of Max Depth Occurrence (days hh:mm)	Total Flooded Volume (ac-in)	Total Time Flooded (min)
1	D-01	1.09	1.09	N/A	N/A	N/A	3.69	89.58	0.32	0 00:10	0.00	0.00
2	D-02	0.86	0.86	N/A	N/A	N/A	2.71	89.75	0.27	0 00:11	0.00	0.00
3	DS-1	0.40	0.40	N/A	N/A	N/A	1.21	88.20	0.12	0 00:11	0.00	0.00
4	DS-10	3.37	3.37	N/A	N/A	N/A	12.29	86.85	0.50	0 00:11	0.00	0.00
5	DS-11	0.05	0.05	N/A	N/A	N/A	0.14	88.12	0.01	0 00:11	0.00	0.00
6	DS-12	4.19	4.19	N/A	N/A	N/A	14.31	87.35	0.54	0 00:00	0.00	0.00
7	DS-13	4.66	4.66	N/A	N/A	N/A	15.38	85.57	0.56	0 00:10	0.00	0.00
8	DS-14	1.66	1.66	N/A	N/A	N/A	6.69	86.77	0.38	0 00:10	0.00	0.00
9	DS-15	0.54	0.54	N/A	N/A	N/A	1.63	89.20	0.17	0 00:10	0.00	0.00
10	DS-2	1.70	1.70	N/A	N/A	N/A	6.89	86.36	0.39	0 00:11	0.00	0.00
11	DS-2A	1.63	1.63	N/A	N/A	N/A	6.49	88.01	0.38	0 00:10	0.00	0.00
12	DS-2B.10	4.75	4.75	N/A	N/A	N/A	2.37	88.50	0.35	0 00:11	0.00	0.00
13	DS-2B.11	0.92	0.92	N/A	N/A	N/A	0.70	88.43	0.28	0 00:11	0.00	0.00
14	DS-2B.14	3.58	3.58	N/A	N/A	N/A	12.39	89.31	0.51	0 00:07	0.00	0.00
15	DS-2B.15	3.43	3.43	N/A	N/A	N/A	12.03	88.50	0.50	0 00:07	0.17	5.00
16	DS-2B.3	1.54	1.54	1.29	0.26	83.34	6.74	90.68	0.22	0 00:11	0.00	0.00
17	DS-2B.4	1.27	1.27	1.11	0.15	88.01	6.03	91.32	0.21	0 00:11	0.00	0.00
18	DS-2B.5	0.34	0.34	N/A	N/A	N/A	1.02	89.10	0.10	0 00:11	0.00	0.00
19	DS-2B.6	16.66	16.66	N/A	N/A	N/A	36.61	89.98	0.98	0 00:07	0.00	0.00
20	DS-2B.8	0.94	0.94	N/A	N/A	N/A	2.84	94.29	0.29	0 00:10	0.00	0.00
21	DS-3	2.11	2.11	N/A	N/A	N/A	8.87	87.98	0.43	0 00:10	0.00	0.00
22	DS-4	0.75	0.75	N/A	N/A	N/A	2.29	89.58	0.23	0 00:10	0.00	0.00
23	DS-5	1.13	1.13	N/A	N/A	N/A	3.93	87.13	0.33	0 00:10	0.00	0.00
24	DS-7	0.18	0.18	N/A	N/A	N/A	0.54	85.41	0.05	0 00:11	0.00	0.00
25	DS-8	0.23	0.23	N/A	N/A	N/A	0.69	86.81	0.07	0 00:11	0.00	0.00
26	YD-01	0.86	0.86	N/A	N/A	N/A	10.54	90.32	0.32	0 00:00	0.00	0.00
27	YD-02	0.44	0.44	N/A	N/A	N/A	5.61	90.72	0.22	0 00:10	0.00	0.00

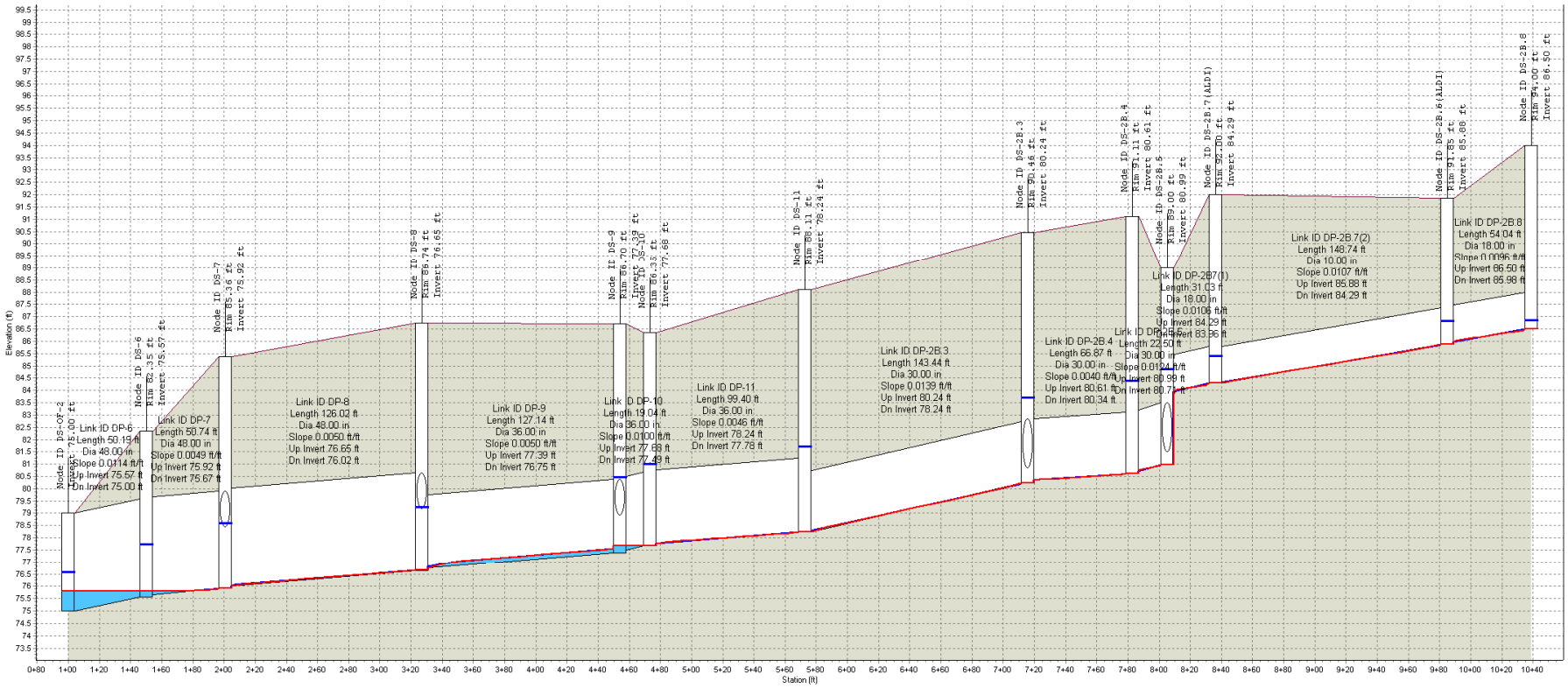


Node ID:	DS-OF-2	DS-6	DS-7	DS-8	DS-9	DS-10	DS-11	DS-2B.3	DS-2B.4	DS-2B.5	DS-2B.6	DS-2B.14	DS-2B.15
Rim (ft):		82.35	85.36	86.74	86.70	86.35	88.11	90.46	91.11	89.00	89.00	88.80	88.00
Invert (ft):	75.00	75.57	75.92	76.65	77.39	77.68	78.24	80.24	80.61	80.99	82.84	83.13	84.00
Min Pipe Cover (ft):		2.68			6.21								
Max HGL (ft):	76.55	77.73	78.58	79.23	80.46	81.00	81.71	83.68	84.37	84.85	87.90	88.06	88.00

Link ID:	DP-1	DP-7	DP-8	DP-9	DP-10	DP-11	DP-2B.3	DP-2B.4	DP-2B.5	DP-2B.6	DP-2B.14	DP-2B.15
Length (ft):	50.19	50.74	126.02	127.14	19.04	99.40	143.44	66.87	22.50	351.85	188.92	79.60
Dia (in):	48.00	48.00	48.00	36.00	36.00	36.00	30.00	30.00	30.00	24.00	18.00	18.00
Slope (ft/ft):	0.0114	0.0049	0.0050	0.0050	0.0100	0.0046	0.0139	0.0040	0.0124	0.0038	0.0015	0.0097
Up Invert (ft):	75.57	75.92	76.65	77.39	77.68	78.24	80.24	80.61	80.99	82.84	83.13	84.00
Dn Invert (ft):	75.00	75.67	76.02	76.75	77.49	77.78	78.24	80.34	80.71	81.49	82.84	83.23
Max Q (cfs):	48.60	48.60	44.47	42.84	39.18	36.31	36.27	26.23	25.21	20.59	5.93	3.83
Max Vel (ft/s):	8.51	6.30	5.23	6.33	5.55	5.14	7.39	5.60	5.14	6.55	3.36	2.57
Max Depth (ft):	1.86	2.36	2.57	2.74	2.98	3.00	2.50	2.50	2.50	2.00	1.50	1.50

Profile Plot

Storm Sewer

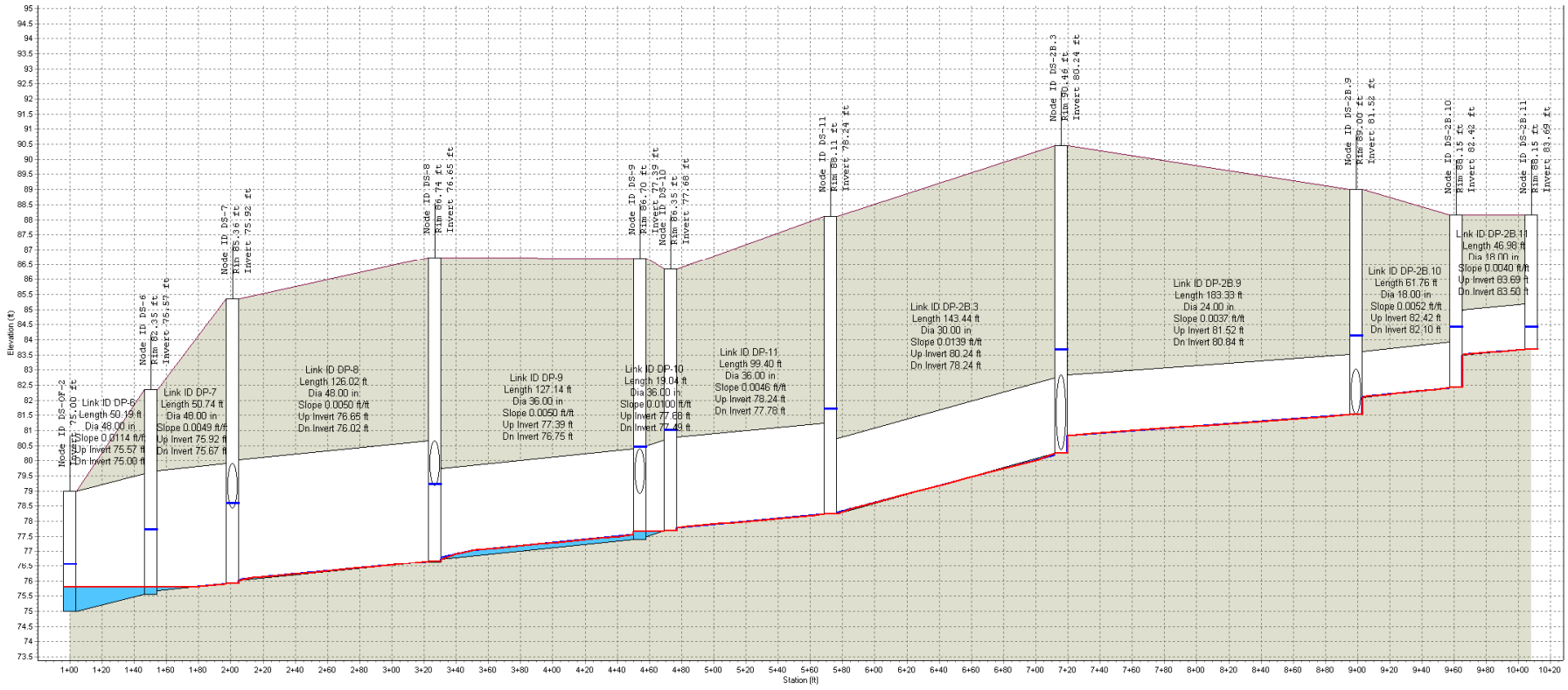


Node ID:	DS-OF-2	DS-6	DS-7	DS-8	DS-9	DS-10	DS-11	DS-2B.3	DS-2B.4	DS-2B.5	DS-2B.7(ALDI)	DS-2B.6(ALDI)	DS-2B.8
Rim (ft):		82.35	85.36	86.74	86.70	86.35	88.11	90.46	91.11	89.00	92.00	91.85	94.00
Invert (ft):	75.00	75.57	75.92	76.65	77.39	77.68	78.24	80.24	80.61	80.99	84.29	85.88	86.50
Min Pipe Cover (ft):		2.68			6.21						6.21	4.37	
Max HGL (ft):	76.55	77.73	78.58	79.23	80.46	81.00	81.71	83.68	84.37	84.85	85.37	86.81	86.83

Link ID:	DP-6	DP-7	DP-8	DP-9	DP-10	DP-11	DP-2B.3	DP-2B.4	DP-2B.5	DP-2B7(1)	DP-2B.7(2)	DP-2B.8
Length (ft):	50.19	50.74	126.02	127.14	19.04	99.40	143.44	66.87	22.50	31.03	148.74	54.04
Dia (in):	48.00	48.00	48.00	36.00	36.00	36.00	30.00	30.00	30.00	18.00	18.00	18.00
Slope (ft/ft):	0.0114	0.0049	0.0050	0.0050	0.0100	0.0046	0.0139	0.0040	0.0124	0.0106	0.0107	0.0096
Up Invert (ft):	75.57	75.92	76.65	77.39	77.68	78.24	80.24	80.61	80.99	84.29	85.88	86.50
Dn Invert (ft):	75.00	75.67	76.02	76.75	77.49	77.78	78.24	80.34	80.71	83.96	84.29	85.98
Max Q (cfs):	48.60	48.60	44.47	42.84	39.18	36.31	36.27	26.23	25.21	6.39	6.43	0.95
Max Vel (ft/s):	8.51	6.30	5.23	6.33	5.55	5.14	7.39	5.60	5.14	5.39	5.13	1.58
Max Depth (ft):	1.86	2.36	2.57	2.74	2.98	3.00	2.50	2.50	2.50	0.99	1.00	0.58

Profile Plot

Storm Sewer

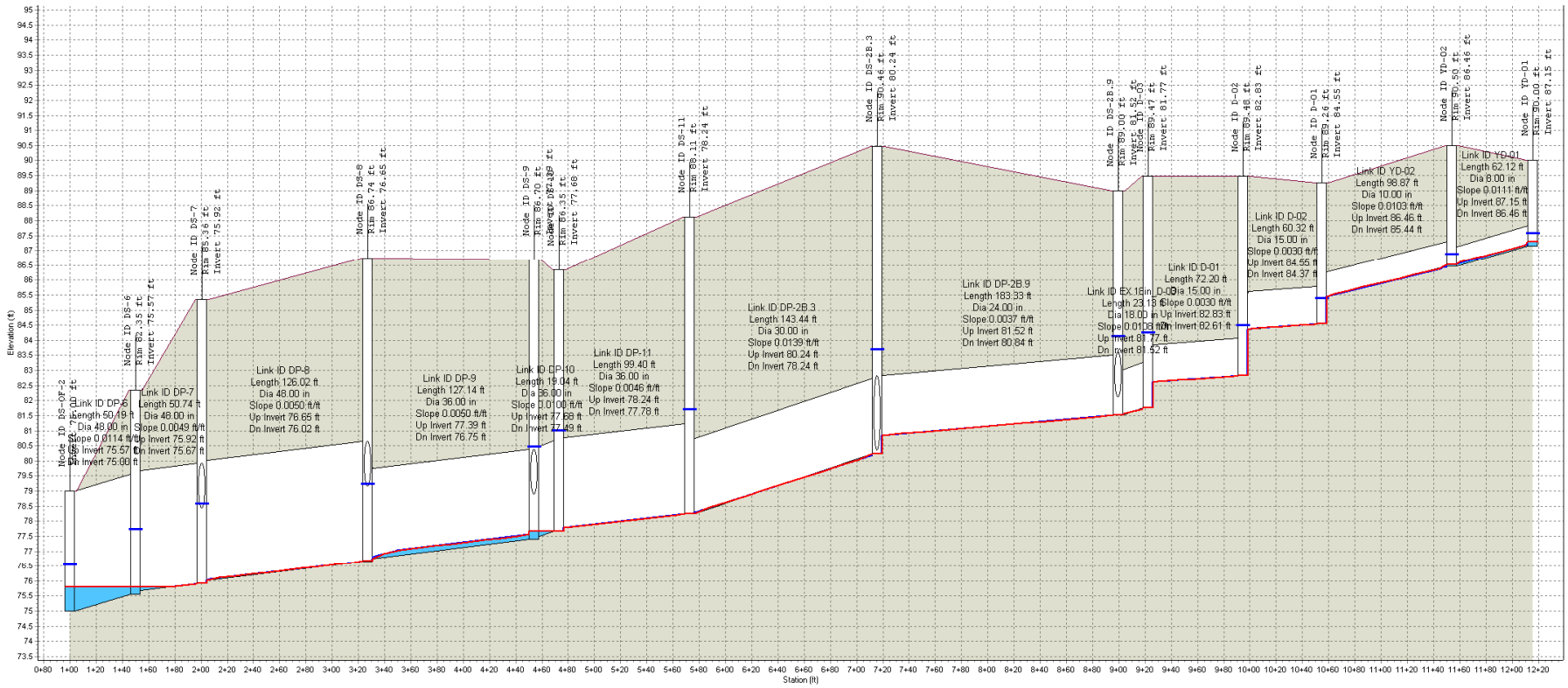


Node ID:	DS-OF-2	DS-6	DS-7	DS-8	DS-9	DS-10	DS-11	DS-2B.3	DS-2B.9	DS-2B.10	DS-2B.11
Rim (ft):		82.35	85.36	86.74	86.70	86.35	88.11	90.46	89.00	88.15	88.15
Invert (ft):	75.00	75.57	75.92	76.65	77.39	77.68	78.24	80.24	81.52	82.42	83.69
Min Pipe Cover (ft):		2.68			6.21				0.00		
Max HGL (ft):	76.55	77.73	78.58	79.23	80.46	81.00	81.71	83.68	84.13	84.41	84.43

Link ID:	DP-6	DP-7	DP-8	DP-9	DP-10	DP-11	DP-2B.3	DP-2B.9	DP-2B.10	DP-2B.11
Length (ft):	50.19	50.74	126.02	127.14	19.04	99.40	143.44	183.33	61.76	46.98
Dia (in):	48.00	48.00	48.00	36.00	36.00	36.00	30.00	24.00	18.00	18.00
Slope (ft/ft):	0.0114	0.0049	0.0050	0.0050	0.0100	0.0046	0.0139	0.0037	0.0052	0.0040
Up Invert (ft):	75.57	75.92	76.65	77.39	77.68	78.24	80.24	81.52	82.42	83.69
Dn Invert (ft):	75.00	75.67	76.02	76.75	77.49	77.78	78.24	80.84	82.10	83.50
Max Q (cfs):	48.60	48.60	44.47	42.84	39.18	36.31	36.27	9.40	5.65	1.18
Max Vel (ft/s):	8.51	6.30	5.23	6.33	5.55	5.14	7.39	4.22	4.25	2.68
Max Depth (ft):	1.86	2.36	2.57	2.74	2.98	3.00	2.50	2.00	1.50	0.83

Profile Plot

Storm Sewer

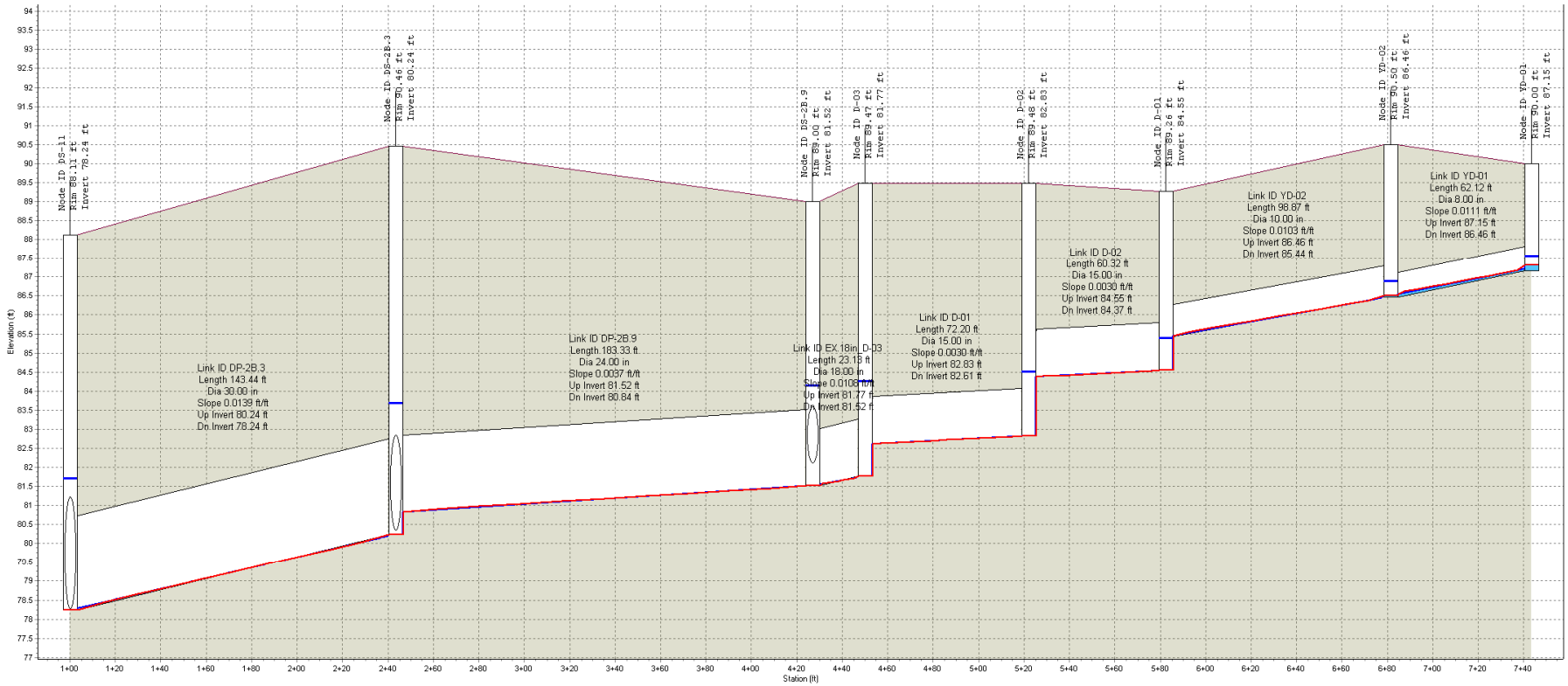


Node ID:	DS-DF-2	DS-6	DS-7	DS-8	DS-9	DS-10	DS-11	DS-2B.3	DS-2B.9	D-03	D-02	D-01	YD-02	YD-01
Rim (ft):		82.35	85.36	86.74	86.70	86.35	88.11	90.46	89.00	89.47	89.48	89.26	90.50	90.00
Invert (ft):	75.00	75.57	75.92	76.65	77.39	77.68	78.24	80.24	81.52	81.77	82.83	84.55	86.46	87.15
Min Pipe Cover (ft):		2.68			6.21				0.00	5.61				
Max HGL (ft):	76.55	77.73	78.58	79.23	80.46	81.00	81.71	83.68	84.13	84.26	84.50	85.38	86.88	87.56

Link ID:	DP-6	DP-7	DP-8	DP-9	DP-10	DP-11	DP-2B.3	DP-2B.9	EX.18in_D-03	D-01	D-02	YD-02	YD-01
Length (ft):	50.19	50.74	126.02	127.14	19.04	99.40	143.44	183.33	23.13	72.20	60.32	98.87	62.12
Dia (in):	48.00	48.00	48.00	36.00	36.00	36.00	30.00	24.00	18.00	15.00	15.00	10.00	8.00
Slope (ft/ft):	0.0114	0.0049	0.0050	0.0050	0.0100	0.0046	0.0139	0.0037	0.0108	0.0030	0.0030	0.0103	0.0111
Up Invert (ft):	75.57	75.92	76.65	77.39	77.68	78.24	80.24	81.52	81.77	82.83	84.55	86.46	87.15
Dn Invert (ft):	75.00	75.67	76.02	76.75	77.49	77.78	78.24	80.84	81.52	82.61	84.37	85.44	86.46
Max Q (cfs):	48.60	48.60	44.47	42.84	39.18	36.31	36.27	9.40	4.31	3.26	2.37	1.30	0.91
Max Vel (ft/s):	8.51	6.30	5.23	6.33	5.55	5.14	7.39	4.22	4.00	3.49	3.24	5.10	4.92
Max Depth (ft):	1.86	2.36	2.57	2.74	2.98	3.00	2.50	2.00	1.50	1.25	0.72	0.40	0.40

Profile Plot

Storm Sewer



Node ID:	DS-11	DS-2B.3	DS-2B.9	D-03	D-02	D-01	YD-02	YD-01
Rim (ft):	88.11	90.46	89.00	89.47	89.48	89.26	90.50	90.00
Invert (ft):	78.24	80.24	81.52	81.77	82.83	84.55	86.46	87.15
Min Pipe Cover (ft):			0.00	5.61				
Max HGL (ft):	81.71	83.68	84.13	84.26	84.50	85.38	86.88	87.56

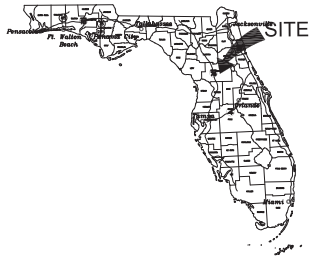
Link ID:	DP-2B.3	DP-2B.9	EX.18in_D-03	D-01	D-02	YD-02	YD-01
Length (ft):	143.44	183.33	23.13	72.20	60.32	98.87	62.12
Dia (in):	30.00	24.00	18.00	15.00	15.00	10.00	8.00
Slope (ft/ft):	0.0139	0.0037	0.0108	0.0030	0.0030	0.0103	0.0111
Up Invert (ft):	80.24	81.52	81.77	82.83	84.55	86.46	87.15
Dn Invert (ft):	78.24	80.84	81.52	82.61	84.37	85.44	86.46
Max Q (cfs):	36.27	9.40	4.31	3.26	2.37	1.30	0.91
Max Vel (ft/s):	7.39	4.22	4.00	3.49	3.24	5.10	4.92
Max Depth (ft):	2.50	2.00	1.50	1.25	0.72	0.40	0.40

SILVER SPRINGS SHORES MEDICAL OFFICE BUILDING

MARION COUNTY, FLORIDA

CONSTRUCTION PLANS

MARCH 2025



SHEET INDEX

ADDRESS:

(ADDRESS NOT ASSIGNED)

PARCEL ID:

37491-003-10 (A PORTION OF)

CONTACT INFORMATION:

OWNER:
MARICAMP LAND, LLC
JOHN S RUDNIANYN, MANAGER
2441 NE 3RD STREET, SUITE 201
OCALA, FL 34470
TEL: 352-239-6101
E-MAIL: JOHN@LPSOCALA.COM

ARCHITECT:
SMA ARCHITECTURE & INTERIORS
SCOTT MALENOCK, AIA
100 COLONIAL CENTER PKWY, SUITE 230
LAKE MARY, FL 32746
TEL: 407.585.0330
E-MAIL: SCOTTM@SM-ARCH.COM

SURVEYOR:
BENCHMARK SURVEYING & MAPPING, INC.
BILLY JOE JENKINS, JR. P.S.M.
3110 RED FOX RUN
KISSIMMEE, FL 34746
TEL: 407.654.6183
E-MAIL: JOE@BENCHMARKSURVEYINGANDMAPPING.COM

SITE LIGHTING ENGINEER:
CLEAR ENGINEERING, LLC
DARIUS ADAMS, P.E., LEED-AP
13651 CRYSTAL RIVER DRIVE
ORLANDO, FL 32828
TEL: 407-277-3431
E-MAIL: DARIUS@CLEAR-ENGR.COM

CIVIL ENGINEER:
KLIMA WEEKS CIVIL ENGINEERING, INC.
SELBY G. WEEKS, P.E., LEED AP
385 DOUGLAS AVE., STE. 2100
ALTAMONTE SPRINGS, FLORIDA 32714
TEL: 407.478.8750
E-MAIL: SWEEKS@KLIMAWEEKS.COM

LANDSCAPE ARCHITECT:
BONNETT DESIGN GROUP, LLC
TODD W. BONNETT, RLA
400 S. ORLANDO AVE., STE. 201
MAITLAND, FL 32751
TEL: 407.622.1588
E-MAIL: TODD@BONNETTDESIGNGROUP.COM

GEOTECHNICAL ENGINEER:
ARDAMAN & ASSOCIATES, INC.
CHUCK CUNNINGHAM, P.E.
8008 S. ORANGE AVENUE
ORLANDO, FL 32809
TEL: 407.855.3860
E-MAIL: CCUNNINGHAM@ARDAMAN.COM

AERIAL MAP
SCALE: 1" = 150'

LOCATION MAP
SCALE: 1" = 2,000'

PROPERTY DESCRIPTION:

LOT 10B, MARICAMP MARKET CENTRE REPLAT PHASE 2 REPLAT LOTS 9 AND 10, ACCORDING TO THE MAP OR PLAT THEREOF, AS RECORDED IN PLAT BOOK __, PAGE __, OF THE PUBLIC RECORDS OF MARION COUNTY, FLORIDA.

CHARACTER AND INTENDED USE:

CONSTRUCT AN 8,011 SF MEDICAL OFFICE WITH ASSOCIATED PARKING LOT, UTILITIES AND STORMWATER COLLECTION AND CONVEYANCE SYSTEM. CONSTRUCTION IS EXPECTED TO START IN JUNE 2025 AND BE COMPLETED IN JANUARY 2026.

EXISTING USE OF SUBJECT AND ADJACENT PROPERTIES:

SITE:	VACANT/ COMMERCIAL
NORTH:	(BAHIA AVE PLACE), VACANT/ COMMERCIAL
SOUTH:	(SE MARICAMP RD), COMMERCIAL
EAST:	COMMERCIAL
WEST:	VACANT/ COMMERCIAL

EXISTING ZONING OF SUBJECT AND ADJACENT PROPERTIES:

SITE:	B-4 REGIONAL BUSINESS
NORTH:	(BAHIA AVE PLACE), B-4 REGIONAL BUSINESS
SOUTH:	(SE MARICAMP RD), B-2 COMMUNITY BUSINESS
EAST:	B-4 REGIONAL BUSINESS
WEST:	B-4 REGIONAL BUSINESS

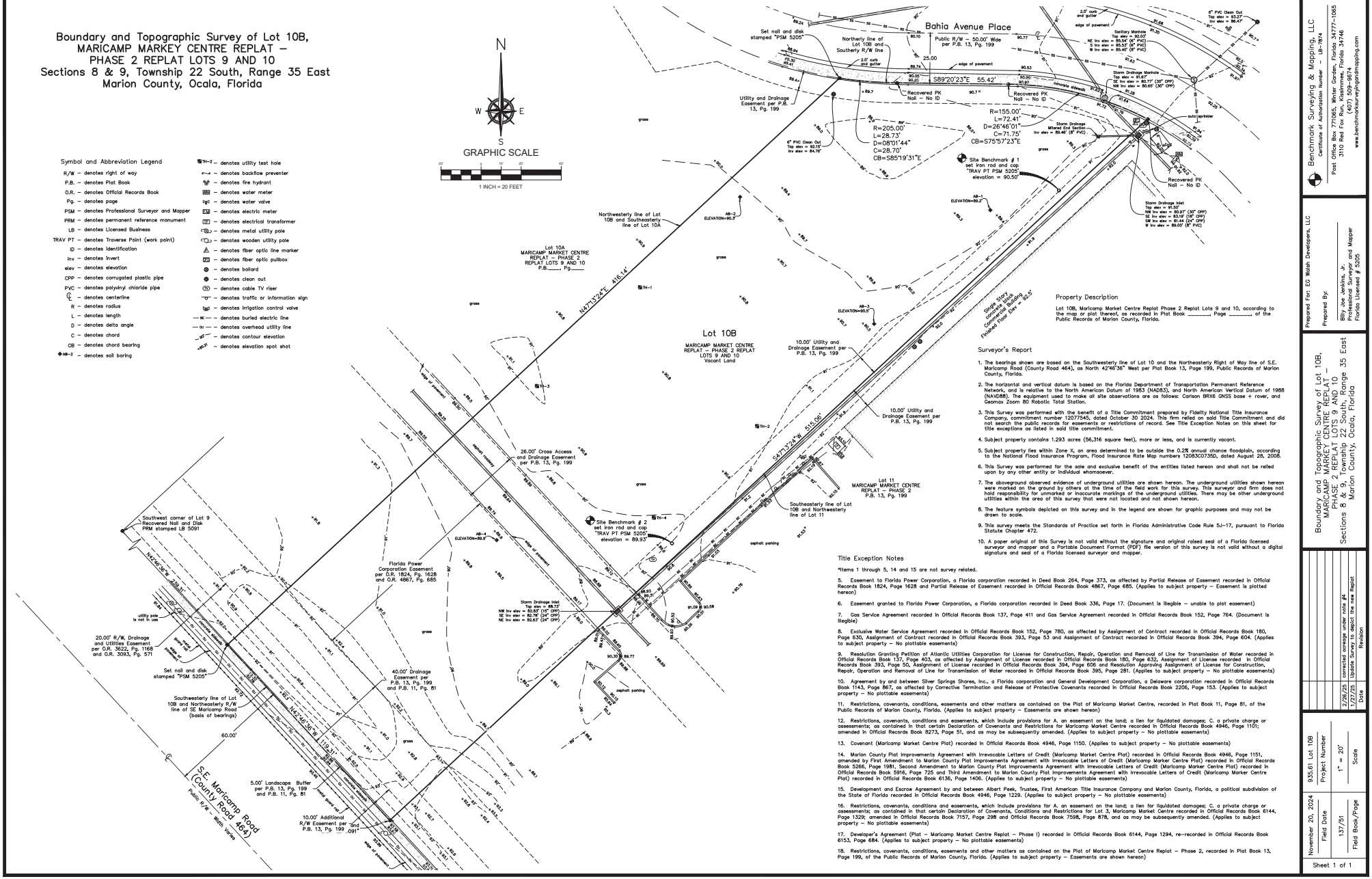
FUTURE LAND USE (FLU)

SITE:	COMMERCIAL (DRI)
NORTH:	(BAHIA AVE PLACE), COMMERCIAL (DRI)
SOUTH:	(SE MARICAMP RD), COMMERCIAL (DRI)
EAST:	COMMERCIAL (DRI)
WEST:	COMMERCIAL (DRI)

NO.	REVISION	BY	DATE
1			
2			
3			
4			

C 000

Boundary and Topographic Survey of Lot 10B, MARICAMP MARKEY CENTRE REPLAT – PHASE 2 REPLAT LOTS 9 AND 10
Sections 8 & 9, Township 22 South, Range 35 East
Marion County, Ocala, Florida



Symbol and Abbreviation Legend

- R/W – denotes right of way
- P.B. – denotes Plat Book
- O.R. – denotes Official Records Book
- Pg. – denotes page
- PSM – denotes Professional Surveyor and Mapper
- PRM – denotes permanent reference monument
- LB – denotes Licensed Business
- TRAV PT – denotes Traverse Point (work point)
- ID – denotes identification
- Inv – denotes invert
- elev – denotes elevation
- CPP – denotes corrugated plastic pipe
- PVC – denotes polyvinyl chloride pipe
- ℄ – denotes centerline
- R – denotes radius
- L – denotes length
- D – denotes delta angle
- C – denotes chord
- CB – denotes chord bearing
- ◆AB-2 – denotes soil boring
- TH-2 – denotes utility test hole
- – denotes backflow preventer
- – denotes fire hydrant
- WM – denotes water meter
- – denotes water valve
- EM – denotes electric meter
- ET – denotes electrical transformer
- – denotes metal utility pole
- – denotes wooden utility pole
- – denotes fiber optic line marker
- FO – denotes fiber optic pullbox
- – denotes bollard
- – denotes clean out
- TV – denotes cable TV riser
- – denotes traffic or information sign
- – denotes irrigation control valve
- E – denotes buried electric line
- OU – denotes overhead utility line
- 90 – denotes contour elevation
- 89.50 – denotes elevation spot shot

Property Description

Lot 10B, Maricamp Market Centre Replat Phase 2 Replat Lots 9 and 10, according to the map or plat thereof, as recorded in Plat Book _____ Page _____ of the Public Records of Marion County, Florida.

Surveyor's Report

1. The bearings shown are based on the Southwesterly line of Lot 10 and the Northeasterly Right of Way line of S.E. Maricamp Road (County Road 464), as North 42°46'36" West per Plat Book 13, Page 199, Public Records of Marion County, Florida.
2. The horizontal and vertical datum is based on the Florida Department of Transportation Permanent Reference Network, and is relative to the North American Datum of 1983 (NAD83), and North American Vertical Datum of 1988 (NAVD88). The equipment used to make all site observations are as follows: Carlson BRX6 GNSS base + rover, and Geomax Zoom 80 Robotic Total Station.
3. This Survey was performed with the benefit of a Title Commitment prepared by Fidelity National Title Insurance Company, commitment number 12077545, dated October 30 2024. This firm relied on said Title Commitment and did not search the public records for easements or restrictions of record. See Title Exception Notes on this sheet for title exceptions as listed in said title commitment.
4. Subject property contains 1.293 acres (56,316 square feet), more or less, and is currently vacant.
5. Subject property lies within Zone X, an area determined to be outside the 0.2% annual chance floodplain, according to the National Flood Insurance Program, Flood Insurance Rate Map numbers 12083C0735D, dated August 28, 2008.
6. This Survey was performed for the sole and exclusive benefit of the entities listed hereon and shall not be relied upon by any other entity or individual whomsoever.
7. The aboveground observed evidence of underground utilities are shown hereon. The underground utilities shown hereon were marked on the ground by others at the time of the field work for this survey. This surveyor and firm does not hold responsibility for unmarked or inaccurate markings of the underground utilities. There may be other underground utilities within the area of this survey that were not located and not shown hereon.
8. The feature symbols depicted on this survey and in the legend are shown for graphic purposes and may not be drawn to scale.
9. This survey meets the Standards of Practice set forth in Florida Administrative Code Rule 5J-17, pursuant to Florida Statute Chapter 472.
10. A paper original of this Survey is not valid without the signature and original raised seal of a Florida licensed surveyor and mapper and a Portable Document Format (PDF) file version of this survey is not valid without a digital signature and seal of a Florida licensed surveyor and mapper.

Title Exception Notes

*Items 1 through 5, 14 and 15 are not survey related.

5. Easement to Florida Power Corporation, a Florida corporation recorded in Deed Book 264, Page 373, as affected by Partial Release of Easement recorded in Official Records Book 1824, Page 1628 and Partial Release of Easement recorded in Official Records Book 4867, Page 685. (Applies to subject property – Easement is plotted hereon)
6. Easement granted to Florida Power Corporation, a Florida corporation recorded in Deed Book 336, Page 17. (Document is illegible – unable to plot easement)
7. Gas Service Agreement recorded in Official Records Book 137, Page 411 and Gas Service Agreement recorded in Official Records Book 152, Page 764. (Document is illegible)
8. Exclusive Water Service Agreement recorded in Official Records Book 152, Page 780, as affected by Assignment of Contract recorded in Official Records Book 180, Page 630, Assignment of Contract recorded in Official Records Book 393, Page 53 and Assignment of Contract recorded in Official Records Book 394, Page 604. (Applies to subject property – No plottable easements)
9. Resolution Granting Petition of Atlantic Utilities Corporation for License for Construction, Repair, Operation and Removal of Line for Transmission of Water recorded in Official Records Book 137, Page 403, as affected by Assignment of License recorded in Official Records Book 180, Page 632, Assignment of License recorded in Official Records Book 393, Page 50, Assignment of License recorded in Official Records Book 394, Page 606 and Resolution Approving Assignment of License for Construction, Repair, Operation and Removal of Line for Transmission of Water recorded in Official Records Book 395, Page 281. (Applies to subject property – No plottable easements)
10. Agreement by and between Silver Springs Shores, Inc., a Florida corporation and General Development Corporation, a Delaware corporation recorded in Official Records Book 1143, Page 867, as affected by Corrective Termination and Release of Protective Covenants recorded in Official Records Book 2206, Page 153. (Applies to subject property – No plottable easements)
11. Restrictions, covenants, conditions, easements and other matters as contained on the Plat of Maricamp Market Centre, recorded in Plat Book 11, Page 81, of the Public Records of Marion County, Florida. (Applies to subject property – Easements are shown hereon)
12. Restrictions, covenants, conditions and easements, which include provisions for A. an easement on the land; a lien for liquidated damages; C. a private charge or assessments; as contained in that certain Declaration of Covenants and Restrictions for Maricamp Market Centre recorded in Official Records Book 4946, Page 1101; amended in Official Records Book 8273, Page 51, and as may be subsequently amended. (Applies to subject property – No plottable easements)
13. Covenant (Maricamp Market Centre Plat) recorded in Official Records Book 4946, Page 1150. (Applies to subject property – No plottable easements)
14. Marion County Plat Improvements Agreement with Irrevocable Letters of Credit (Maricamp Market Centre Plat) recorded in Official Records Book 4946, Page 1151, amended by First Amendment to Marion County Plat Improvements Agreement with Irrevocable Letters of Credit (Maricamp Market Centre Plat) recorded in Official Records Book 5266, Page 1981, Second Amendment to Marion County Plat Improvements Agreement with Irrevocable Letters of Credit (Maricamp Market Centre Plat) recorded in Official Records Book 5916, Page 725 and Third Amendment to Marion County Plat Improvements Agreement with Irrevocable Letters of Credit (Maricamp Market Centre Plat) recorded in Official Records Book 6136, Page 1406. (Applies to subject property – No plottable easements)
15. Development and Escrow Agreement by and between Albert Peek, Trustee, First American Title Insurance Company and Marion County, Florida, a political subdivision of the State of Florida recorded in Official Records Book 4946, Page 1229. (Applies to subject property – No plottable easements)
16. Restrictions, covenants, conditions and easements, which include provisions for A. an easement on the land; a lien for liquidated damages; C. a private charge or assessments; as contained in that certain Declaration of Covenants, Conditions and Restrictions for Lot 3, Maricamp Market Centre recorded in Official Records Book 6144, Page 1329; amended in Official Records Book 7157, Page 298 and Official Records Book 7598, Page 878, and as may be subsequently amended. (Applies to subject property – No plottable easements)
17. Developer's Agreement (Plat – Maricamp Market Centre Replat – Phase I) recorded in Official Records Book 6144, Page 1294, re-recorded in Official Records Book 6153, Page 684. (Applies to subject property – No plottable easements)
18. Restrictions, covenants, conditions, easements and other matters as contained on the Plat of Maricamp Market Centre Replat – Phase 2, recorded in Plat Book 13, Page 199, of the Public Records of Marion County, Florida. (Applies to subject property – Easements are shown hereon)

Benchmark Surveying & Mapping, LLC
Certificate of Authorization Number – LB-7874
Post Office Box 771065, Winter Garden, Florida 34777-1065
3110 Red Fox Road, Ocoee, Florida 34748
(407) 509-9674
www.benchmarksurveyingandmapping.com

Prepared For: EG Walsh Developers, LLC

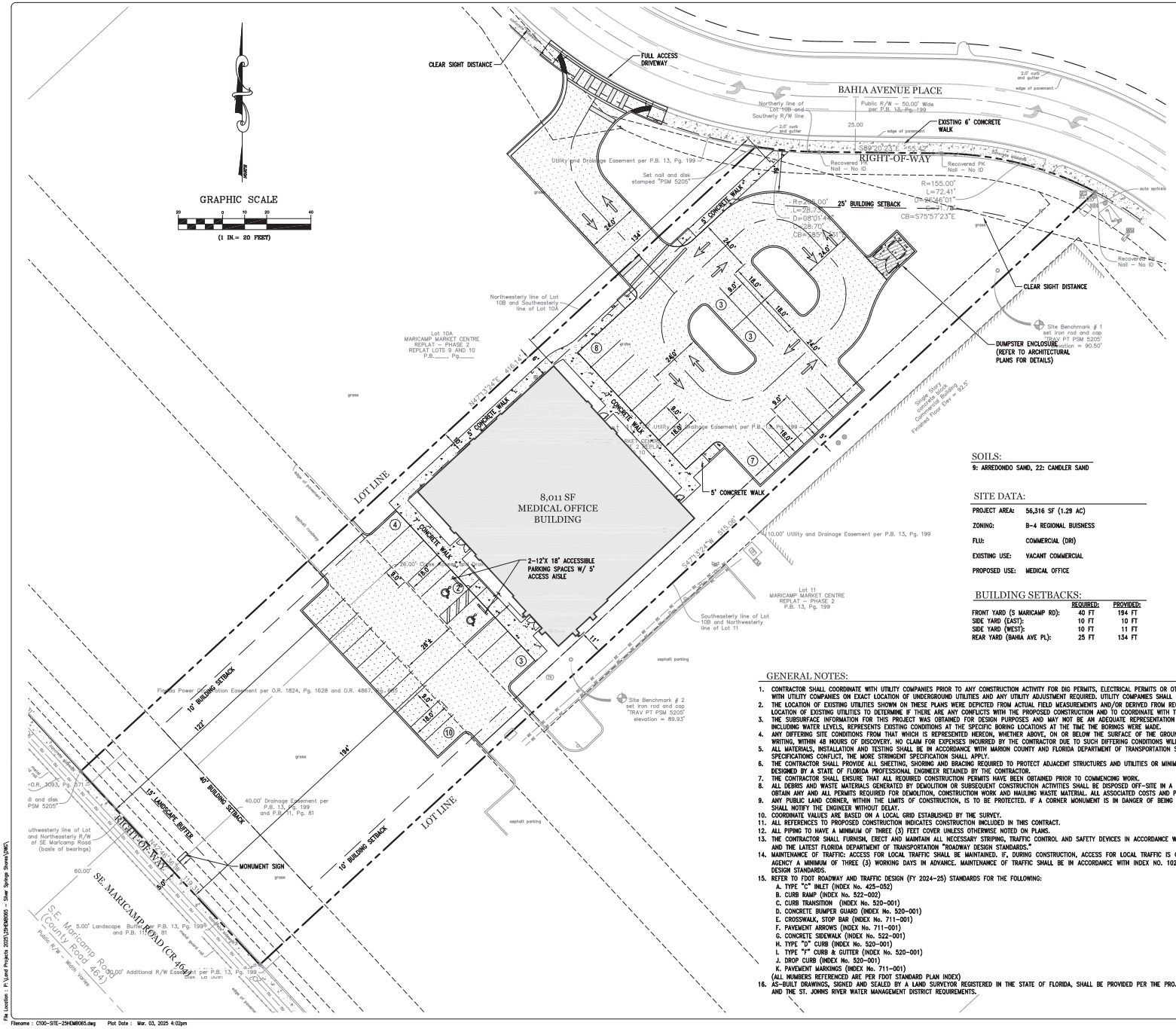
Prepared By:
Billy Joe Jenkins, Jr.
Professional Surveyor and Mapper
Florida Licensed # 5205

Boundary and Topographic Survey of Lot 10B, MARICAMP MARKEY CENTRE REPLAT – PHASE 2 REPLAT LOTS 9 AND 10
Sections 8 & 9, Township 22 South, Range 35 East
Marion County, Ocala, Florida

Date	Revision
1/27/25	Update Survey to depict the new Replat
2/26/25	corrected acreage under note #4

November 20, 2024	Field Date
935.61 Lot 10B	Project Number
137/51	Field Book/Page
1" = 20'	Scale

Sheet 1 of 1



LEGEND:

- CONCRETE WALKS (REFER TO DETAIL ON SHEET C600)
- ASPHALT PAVEMENT SECTION (REFER TO DETAIL ON SHEET C600)
- CONCRETE PAVEMENT SECTION (REFER TO DETAIL ON SHEET C600)
- DETECTABLE WARNING

FEMA FLOOD DATA:

SUBJECT PROPERTY LIES WITHIN ZONE X, AN AREA DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN, ACCORDING TO THE NATIONAL FLOOD INSURANCE PROGRAM, FLOOD INSURANCE RATE MAP NUMBER 12083C0735D, DATED AUGUST 28, 2008.

PARKING CALCULATIONS:

PARKING BASIS – OFFICE USES:
2.5 SPACES PER 1,000 SF GROSS FLOOR AREA

REQUIRED PARKING: 8,011 SF X 2.5 SPACES/1,000 SF = 21 TOTAL SPACES

PROVIDED PARKING: 38 STANDARD + 2 ACCESSIBLE = 40 TOTAL SPACES

PROJECT AREA CALCULATIONS:

TOTAL SITE AREA (LOT 10B) PROJECT AREA: 56,316 SF (1.29 AC)

IMPERVIOUS AREAS:	
PROPOSED BUILDING:	8,011 SF / 0.18 AC (14.2%)
PROPOSED SITE IMPERVIOUS:	19,970 SF / 0.46 AC (35.5%)
TOTAL IMPERVIOUS:	27,981 SF / 0.64 AC (49.7%)
TOTAL PROJECT AREAS:	
IMPERVIOUS AREA:	27,981 SF / 0.64 AC (49.7%)
PERVIOUS AREA:	28,335 SF / 0.65 AC (50.3%)
TOTAL SITE AREA:	56,316 SF / 1.29 AC (100.0%)

SOILS:

9: ARREDONDO SAND, 22: CANDLER SAND

SITE DATA:

PROJECT AREA:	56,316 SF (1.29 AC)
ZONING:	B-4 REGIONAL BUISNESS
FLU:	COMMERCIAL (DRI)
EXISTING USE:	VACANT COMMERCIAL
PROPOSED USE:	MEDICAL OFFICE

BUILDING DATA:

PROPOSED BUILDING:	8,011 SF ONE-STORY MEDICAL OFFICE
FBC CONSTRUCTION TYPE:	II-B NON-SPRINKLERED
PROPOSED BUILDING HEIGHT:	25'-0" TOP OF ARCH 28'-0" TOP OF SPIRE ELEMENT
MAX. ALLOWED HEIGHT:	50 FT
PROPOSED FAR:	0.14
MAX. ALLOWABLE FAR:	1.0

BUILDING SETBACKS:

	REQUIRED:	PROVIDED:
FRONT YARD (S MARICAMP RD):	40 FT	194 FT
SIDE YARD (EAST):	10 FT	10 FT
SIDE YARD (WEST):	10 FT	11 FT
REAR YARD (BAHIA AVE PL):	25 FT	134 FT

LANDSCAPE BUFFERS:

	REQUIRED:	PROVIDED:
FRONT YARD (S MARICAMP RD):	15 FT	122 FT
REAR YARD (BAHIA AVE PL):	15 FT	19 FT

GENERAL NOTES:

1. CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES PRIOR TO ANY CONSTRUCTION ACTIVITY FOR DIG PERMITS, ELECTRICAL PERMITS OR OTHER PERMITS AS APPLICABLE. CONTRACTOR IS ALSO TO COORDINATE FULLY WITH UTILITY COMPANIES ON EXACT LOCATION OF UNDERGROUND UTILITIES AND ANY UTILITY ADJUSTMENT REQUIRED. UTILITY COMPANIES SHALL BE NOTIFIED A MINIMUM OF THREE WORKING DAYS PRIOR TO EXCAVATION.
2. THE LOCATION OF EXISTING UTILITIES SHOWN ON THESE PLANS WERE DEPICTED FROM ACTUAL FIELD MEASUREMENTS AND/OR DERIVED FROM RECORD DRAWINGS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM THE LOCATION OF EXISTING UTILITIES TO DETERMINE IF THERE ARE ANY CONFLICTS WITH THE PROPOSED CONSTRUCTION AND TO COORDINATE WITH THE UTILITY OWNERS TO RESOLVE THESE CONFLICTS.
3. THE SUBSURFACE INFORMATION FOR THIS PROJECT WAS OBTAINED FOR DESIGN PURPOSES AND MAY NOT BE AN ADEQUATE REPRESENTATION OF ACTUAL CONDITIONS FOR PROJECT CONSTRUCTION. INFORMATION SHOWN, INCLUDING WATER LEVELS, REPRESENTS EXISTING CONDITIONS AT THE SPECIFIC BORING LOCATIONS AT THE TIME THE BORINGS WERE MADE.
4. ANY DIFFERING SITE CONDITIONS FROM THAT WHICH IS REPRESENTED HEREON, WHETHER ABOVE, ON OR BELOW THE SURFACE OF THE GROUND, SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER, IN WRITING, WITHIN 48 HOURS OF DISCOVERY. NO CLAIM FOR EXPENSES INCURRED BY THE CONTRACTOR DUE TO SUCH DIFFERING CONDITIONS WILL BE ALLOWED IF HE OR SHE FAILS TO PROVIDE THE WRITTEN NOTIFICATION.
5. ALL MATERIALS, INSTALLATION AND TESTING SHALL BE IN ACCORDANCE WITH MARION COUNTY AND FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. WHERE THE SPECIFICATIONS CONFLICT, THE MORE STRINGENT SPECIFICATION SHALL APPLY.
6. THE CONTRACTOR SHALL PROVIDE ALL SHEETING, SHORING AND BRACING REQUIRED TO PROTECT ADJACENT STRUCTURES AND UTILITIES OR MINIMIZE TRENCH WIDTH AS REQUIRED. SHEETING AND SHORING SHALL BE DESIGNED BY A STATE OF FLORIDA PROFESSIONAL ENGINEER RETAINED BY THE CONTRACTOR.
7. THE CONTRACTOR SHALL ENSURE THAT ALL REQUIRED CONSTRUCTION PERMITS HAVE BEEN OBTAINED PRIOR TO COMMENCING WORK.
8. ALL DEBRIS AND WASTE MATERIALS GENERATED BY DEMOLITION OR SUBSEQUENT CONSTRUCTION ACTIVITIES SHALL BE DISPOSED OFF-SITE IN A LEGAL MANNER AT AN APPROVED DISPOSAL FACILITY. THE CONTRACTOR SHALL OBTAIN ANY AND ALL PERMITS REQUIRED FOR DEMOLITION, CONSTRUCTION WORK AND HAULING WASTE MATERIAL. ALL ASSOCIATED COSTS AND PERMIT FEES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
9. ANY PUBLIC LAND CORNER, WITHIN THE LIMITS OF CONSTRUCTION, IS TO BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING ALTERED AND HAS NOT YET BEEN PROPERLY REFERENCED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER WITHOUT DELAY.
10. COORDINATE VALUES ARE BASED ON A LOCAL GRID ESTABLISHED BY THE SURVEY.
11. ALL REFERENCES TO PROPOSED CONSTRUCTION INDICATES CONSTRUCTION INCLUDED IN THIS CONTRACT.
12. ALL PIPING TO HAVE A MINIMUM OF THREE (3) FEET COVER UNLESS OTHERWISE NOTED ON PLANS.
13. THE CONTRACTOR SHALL FURNISH, ERECT AND MAINTAIN ALL NECESSARY STRIPING, TRAFFIC CONTROL AND SAFETY DEVICES IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES," LATEST EDITION, AND THE LATEST FLORIDA DEPARTMENT OF TRANSPORTATION "ROADWAY DESIGN STANDARDS."
14. MAINTENANCE OF TRAFFIC: ACCESS FOR LOCAL TRAFFIC SHALL BE MAINTAINED. IF, DURING CONSTRUCTION, ACCESS FOR LOCAL TRAFFIC IS CHANGED, THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE JURISDICTIONAL AGENCY A MINIMUM OF THREE (3) WORKING DAYS IN ADVANCE. MAINTENANCE OF TRAFFIC SHALL BE IN ACCORDANCE WITH INDEX NO. 102 OF THE FLORIDA DEPARTMENT OF TRANSPORTATION ROADWAY AND TRAFFIC DESIGN STANDARDS.
15. REFER TO FDOT ROADWAY AND TRAFFIC DESIGN (FY 2024-25) STANDARDS FOR THE FOLLOWING:
    - A. TYPE "C" INLET (INDEX No. 425-052)
    - B. CURB RAMP (INDEX No. 522-002)
    - C. CURB TRANSITION (INDEX No. 520-001)
    - D. CONCRETE BUMPER GUARD (INDEX No. 520-001)
    - E. CROSSWALK, STOP BAR (INDEX No. 711-001)
    - F. PAVEMENT ARROWS (INDEX No. 711-001)
    - G. CONCRETE SIDEWALK (INDEX No. 522-001)
    - H. TYPE "D" CURB (INDEX No. 520-001)
    - I. TYPE "F" CURB & GUTTER (INDEX No. 520-001)
    - J. DROP CURB (INDEX No. 520-001)
    - K. PAVEMENT MARKINGS (INDEX No. 711-001)

    (ALL NUMBERS REFERENCED ARE PER FDOT STANDARD PLAN INDEX)
16. AS-BUILT DRAWINGS, SIGNED AND SEALED BY A LAND SURVEYOR REGISTERED IN THE STATE OF FLORIDA, SHALL BE PROVIDED PER THE PROJECT SPECIFICATIONS AND SHALL COMPLY WITH MARION COUNTY, FDOT, FDEP AND THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT REQUIREMENTS.

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Certificate of Authorization No.: 9230

Selby G. Weeks 56991

SILVER SPRINGS SHORES
MEDICAL OFFICE BUILDING
MARION COUNTY, FL
SITE PLAN

revision	description	date
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drawn by: JD
checked by: SGW
date: 02/28/2025
plot scale: AS SHOWN
project number: 25HEMB065
file name: C100-SITE-25HEMB065.DWG

C100

File Location : P:\Land Projects 2025\25HEMB065 - Silver Springs Shores\DWG\
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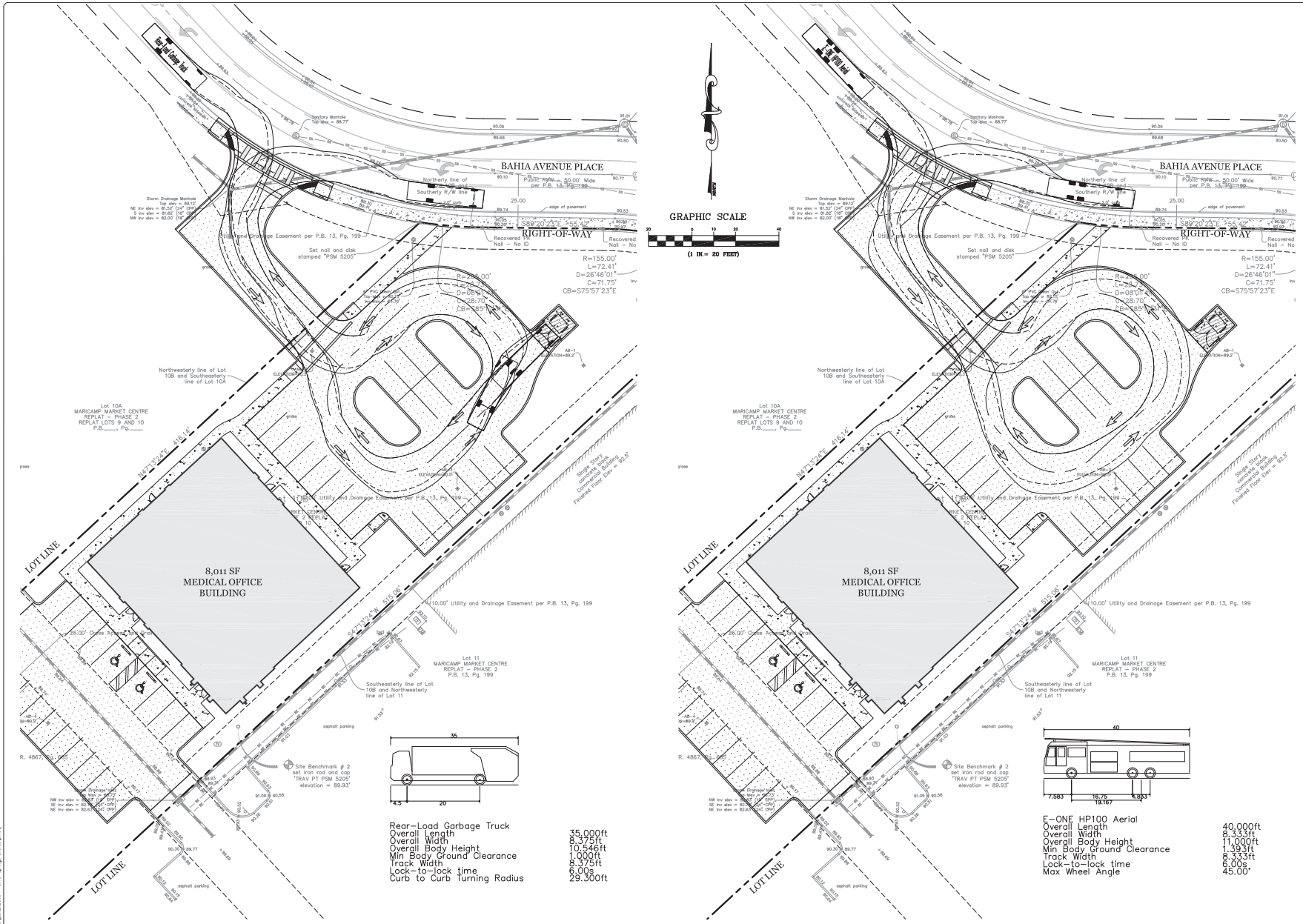

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SILVER SPRINGS SHORES
MEDICAL OFFICE BUILDING
MARION COUNTY, FL

VEHICLE TURNING PLAN

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drawn by: JD
checked by: SGW
date: 02/28/2025
plot scale: AS SHOWN
project number: 25HEMB065
file name: C101-AUTO-25HEMB065.DWG

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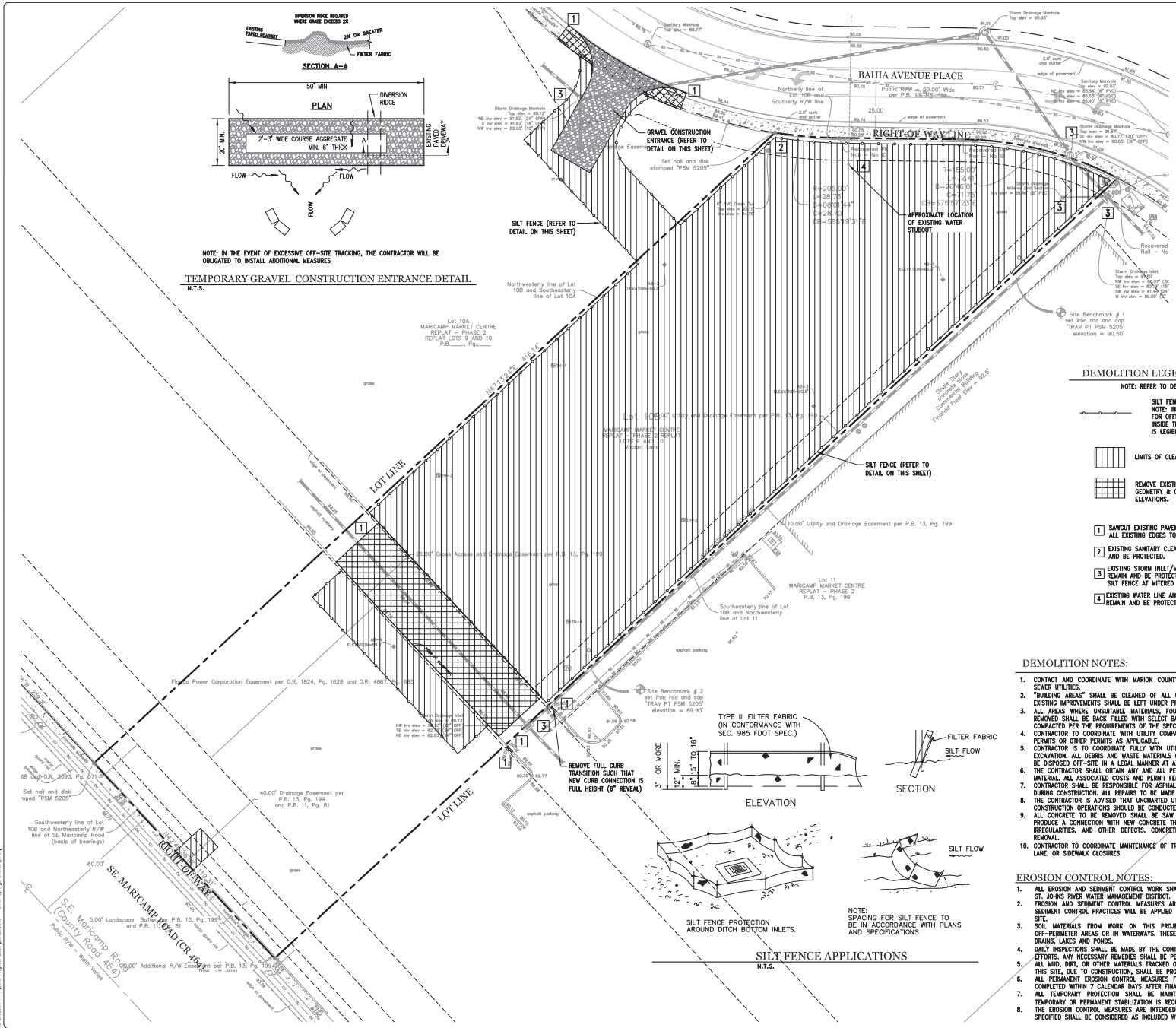

DEMOLITION LEGEND:

NOTE: REFER TO DEMOLITION NOTES, THIS SHEET, FOR ADDITIONAL DETAILS

SILT FENCE (REFER TO DETAIL ON THIS SHEET)
NOTE: INSTALL SILT FENCE AT LOT LINES EXCEPT FOR OFFSITE WORK. SILT FENCE IS SHOWN INSIDE THE LOT LINES GRAPHICALLY SO THAT IT IS LEGIBLE.

LIMITS OF CLEARING AND GRUBBING

REMOVE EXISTING CONCRETE, CURB, ASPHALT AND BASE. REFER TO GEOMETRY & GRADING PLANS FOR NEW CONSTRUCTION LIMITS AND ELEVATIONS.

1. SAWCUT EXISTING PAVEMENT SECTION/CONCRETE WALKS AMD/OR CURBS AT ALL EXISTING EDGES TO REMAIN. REFER TO SHEET C300 FOR LIMITS.
2. EXISTING SANITARY CLEANOUT AND LATERAL TO REMAIN AND BE PROTECTED.
3. EXISTING STORM INLET/MANHOLE/MITERED END SECTION AND ASSOCIATED PIPING TO REMAIN AND BE PROTECTED. PROVIDE INLET PROTECTION – SILT SACK IN INLETS, SILT FENCE AT MITERED END SECTION OR ACCEPTED EQUIVALENT.
4. EXISTING WATER LINE AND APPURTENANCES TO REMAIN AND BE PROTECTED.

DEMOLITION NOTES:

1. CONTACT AND COORDINATE WITH MARION COUNTY UTILITIES PRIOR TO ANY REMOVAL OR CAPPING OF EXISTING WATER OR SEWER UTILITIES.
2. "BUILDING AREAS" SHALL BE CLEARED OF ALL UNSUITABLE MATERIALS, EXISTING FOUNDATIONS, UTILITIES AND SEWERS. NO EXISTING IMPROVEMENTS SHALL BE LEFT UNDER PROPOSED BUILDING AREAS.
3. ALL AREAS WHERE UNSUITABLE MATERIALS, FOUNDATIONS, UTILITIES, CONDUITS, AND/OR UTILITY STRUCTURES HAVE BEEM REMOVED SHALL BE BACK FILLED WITH SELECT BACK FILL MATERIAL. ALL SELECT BACK FILL MATERIAL SHALL BE PLACED AND COMPACTED PER THE REQUIREMENTS OF THE SPECIFICATIONS AND THE ON-SITE GEOTECHNICAL ENGINEER.
4. CONTRACTOR TO COORDINATE WITH UTILITY COMPANIES PRIOR TO ANY CONSTRUCTION ACTIVITY FOR DIG PERMITS, ELECTRICAL PERMITS OR OTHER PERMITS AS APPLICABLE.
5. CONTRACTOR IS TO COORDINATE FULLY WITH UTILITY COMPANIES ON EXACT LOCATION OF UNDERGROUND UTILITIES PRIOR TO EXCAVATION. ALL DEBRIS AND WASTE MATERIALS GENERATED BY DEMOLITION OR SUBSEQUENT CONSTRUCTION ACTIVITIES SHALL BE DISPOSED OFF-SITE IN A LEGAL MANNER AT AN APPROVED DISPOSAL FACILITY.
6. THE CONTRACTOR SHALL OBTAIN ANY AND ALL PERMITS REQUIRED FOR DEMOLITION, CONSTRUCTION WORK AND HAULING WASTE MATERIAL ALL ASSOCIATED COSTS AND PERMIT FEES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR ASPHALT RESURFACING AND STRIPING TO ALL EXISTING ROADS WHICH ARE DAMAGED DURING CONSTRUCTION. ALL REPAIRS TO BE MADE IN ACCORDANCE WITH MARION COUNTY AND FDOT REQUIREMENTS.
8. THE CONTRACTOR IS ADVISED THAT UNCHARTED UTILITIES MAY BE FOUND TO EXIST WITHIN THE CONSTRUCTION AREA AND THAT CONSTRUCTION OPERATIONS SHOULD BE CONDUCTED WITH CAUTION.
9. ALL CONCRETE TO BE REMOVED SHALL BE SAW CUT AT THE NEAREST JOINT IN REASONABLY GOOD CONDITION, SO AS TO PRODUCE A CONNECTION WITH NEW CONCRETE THAT IS FREE OF CRACKS, DEFORMITY IN SHAPE, NOTICEABLE VOIDS, SURFACE IRREGULARITIES, AND OTHER DEFECTS. CONCRETE GUTTER SHALL BE SAW CUT BETWEEN ASPHALT AND GUTTER BEFORE REMOVAL.
10. CONTRACTOR TO COORDINATE MAINTENANCE OF TRAFFIC WITH MARION COUNTY OR FDOT (ROAD OWNER) PRIOR TO ANY ROAD, LANE, OR SIDEWALK CLOSURES.

EROSION CONTROL NOTES:

1. ALL EROSION AND SEDIMENT CONTROL WORK SHALL CONFORM TO STANDARDS OF MARION COUNTY, FLORIDA, FDOT AND THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT.
2. EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO, OR AS THE FIRST STEP IN, CONSTRUCTION. SEDIMENT CONTROL PRACTICES WILL BE APPLIED AS A PERIMETER DEFENSE AGAINST ANY TRANSPORTATION OF SILT OFF THE SITE.
3. SOIL MATERIALS FROM WORK ON THIS PROJECT SHALL BE CONTAINED AMD NOT ALLOWED TO COLLECT ON AMY OFF-PERIMETER AREAS OR IN WATERWAYS. THESE INCLUDE BOTH MATURAL AND MAN-MADE OPEN DITCHES, STREAMS, STORM DRAINS, LAKES AND PONDS.
4. DAILY INSPECTIONS SHALL BE MADE BY THE CONTRACTOR TO DETERMINE THE EFFECTIVENESS OF EROSION/SEDIMENT CONTROL EFFORTS. ANY NECESSARY REMEDIES SHALL BE PERFORMED WITHOUT DELAY.
5. ALL MUD, DIRT, OR OTHER MATERIALS TRACKED OR SPILLED ONTO EXISTING PUBLIC OR PRIVATE ROADS AND FACILITIES FROM THIS SITE, DUE TO CONSTRUCTION, SHALL BE PROMPTLY REMOVED BY THE CONTRACTOR.
6. ALL PERMANENT EROSION CONTROL MEASURES FOR ALL SLOPES, CHANNELS AND ANY DISTURBED LAND AREAS SHALL BE COMPLETED WITHIN 7 CALENDAR DAYS AFTER FINAL GRADING.
7. ALL TEMPORARY PROTECTION SHALL BE MAINTAINED UNTIL PERMANENT MEASURES ARE IM PLACE AND ESTABLISHED. TEMPORARY OR PERMANENT STABILIZATION IS REQUIRED WHEN THERE IS NO ACTIVITY FOR SEVEN (7) DAYS OR MORE.
8. THE EROSION CONTROL MEASURES ARE INTENDED AS MINIMUM STANDARDS. ANY EROSION CONTROL REQUIRED BEYOND THAT SPECIFIED SHALL BE CONSIDERED AS INCLUDED WITHIN THIS CONTRACT.

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SILVER SPRINGS SHORES
MEDICAL OFFICE BUILDING
MARION COUNTY, FL
EROSION CONTROL & DEMOLITION PLAN

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drawn by: JD
checked by: SGW
date: 02/28/2025
plot scale: AS SHOWN
project number: 25HEMB065
file name: C200-DEMO-EROSION.DWG

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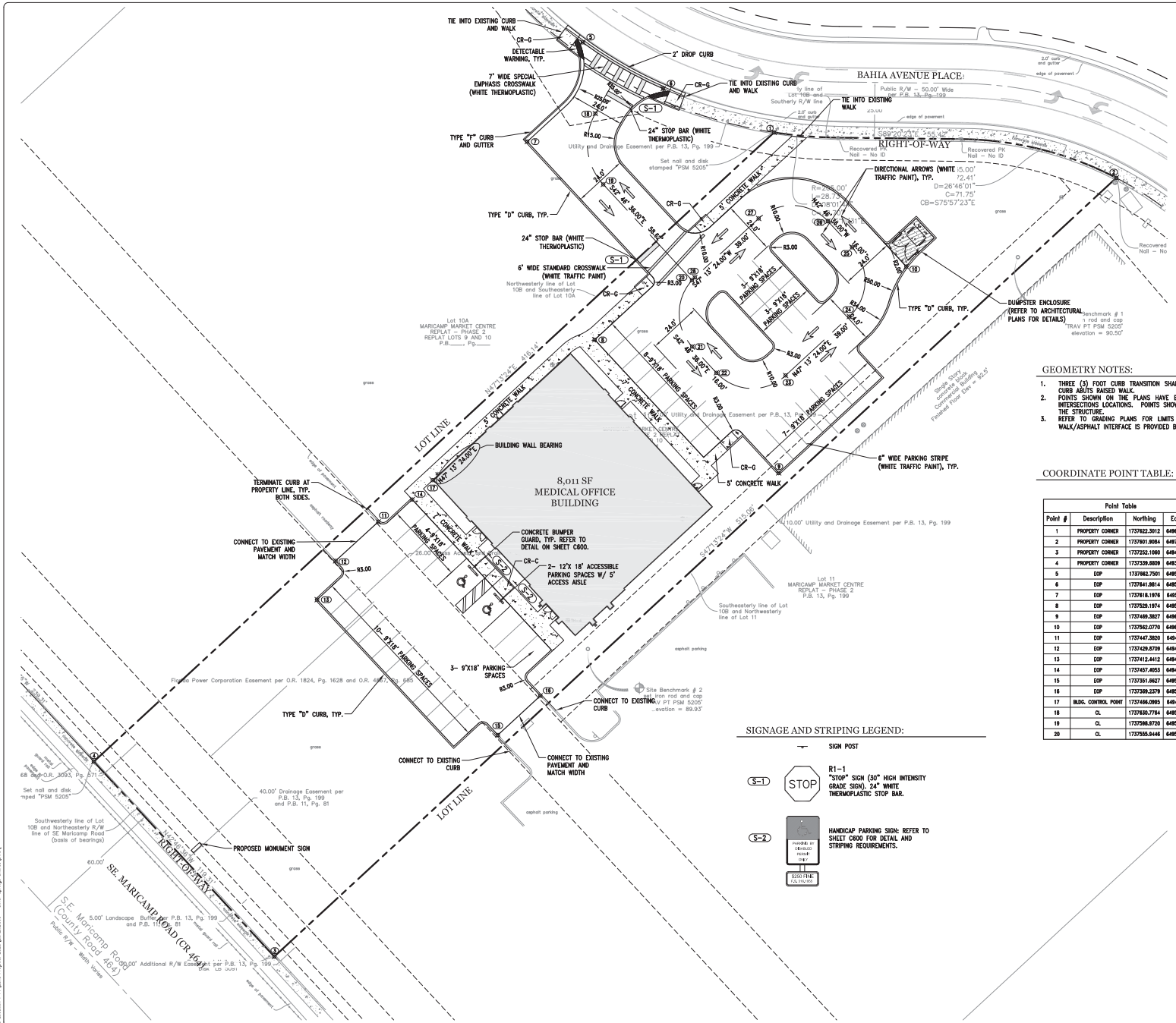

GEOMETRY NOTES:

1. THREE (3) FOOT CURB TRANSITION SHALL BE PROVIDED AT ALL CURB TERMINATIONS EXCEPT WHERE CURB ABUTS RAISED WALK.
2. POINTS SHOWN ON THE PLANS HAVE BEEN SET AT FACE OF CURB, PC, PT, CURB MIDPOINT AND INTERSECTIONS LOCATIONS. POINTS SHOWN ON UTILITY & STORM STRUCTURES ARE AT THE CENTER OF THE STRUCTURE.
3. REFER TO GRADING PLANS FOR LIMITS OF FLUSH AND RAISED CONCRETE WALKS. DISPOSITION OF WALK/ASPHALT INTERFACE IS PROVIDED BY SPOT ELEVATIONS.

COORDINATE POINT TABLE:

Point Table			
Point #	Description	Northing	Easting
1	PROPERTY CORNER	1737622.3012	649624.7190
2	PROPERTY CORNER	1737601.9084	649778.3563
3	PROPERTY CORNER	1737252.1090	649409.2953
4	PROPERTY CORNER	1737539.6809	649319.2685
5	EOP	1737662.7501	649538.7963
6	EOP	1737641.9814	649574.8965
7	EOP	1737618.1978	649513.8811
8	EOP	1737529.1974	649544.1842
9	EOP	1737489.3827	649626.7757
10	EOP	1737562.0770	649684.0804
11	EOP	1737447.3820	649445.9721
12	EOP	1737429.6708	649427.8439
13	EOP	1737412.4412	649419.5567
14	EOP	1737457.4053	649462.2236
15	EOP	1737351.6627	649500.7082
16	EOP	1737389.2378	649519.7329
17	BLDG. CONTROL POINT	1737498.0985	649471.4361
18	CL	1737630.7784	649544.4449
19	CL	1737598.8730	649548.0282
20	CL	1737555.9448	649587.8384

Point Table			
Point #	Description	Northing	Easting
21	CL	1737526.0065	649587.9341
22	CL	1737514.3424	649588.8004
23	CL	1737515.1354	649628.8896
24	CL	1737538.6218	649658.5158
25	CL	1737570.7112	649658.7229
26	CL	1737582.4553	649648.8568
27	CL	1737583.6823	649617.7873
28	CL	1737557.1756	649589.1411

SIGNAGE AND STRIPING LEGEND:

SIGN POST

S-1 — STOP — R1-1 "STOP" SIGN (30" HIGH INTENSITY GRADE SIGN). 24" WHITE THERMOPLASTIC STOP BAR.

S-2 — HANDICAP PARKING SIGN: REFER TO SHEET C600 FOR DETAIL AND STRIPING REQUIREMENTS.

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SILVER SPRINGS SHORES
MEDICAL OFFICE BUILDING
MARION COUNTY, FL
GEOMETRY, SIGNAGE & STRIPING PLAN

revision	description	date
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checked by: SGW
date: 02/28/2025
plot scale: AS SHOWN
project number: 25HEMB065
file name: C300-GEOM-25HEMB065.DWG

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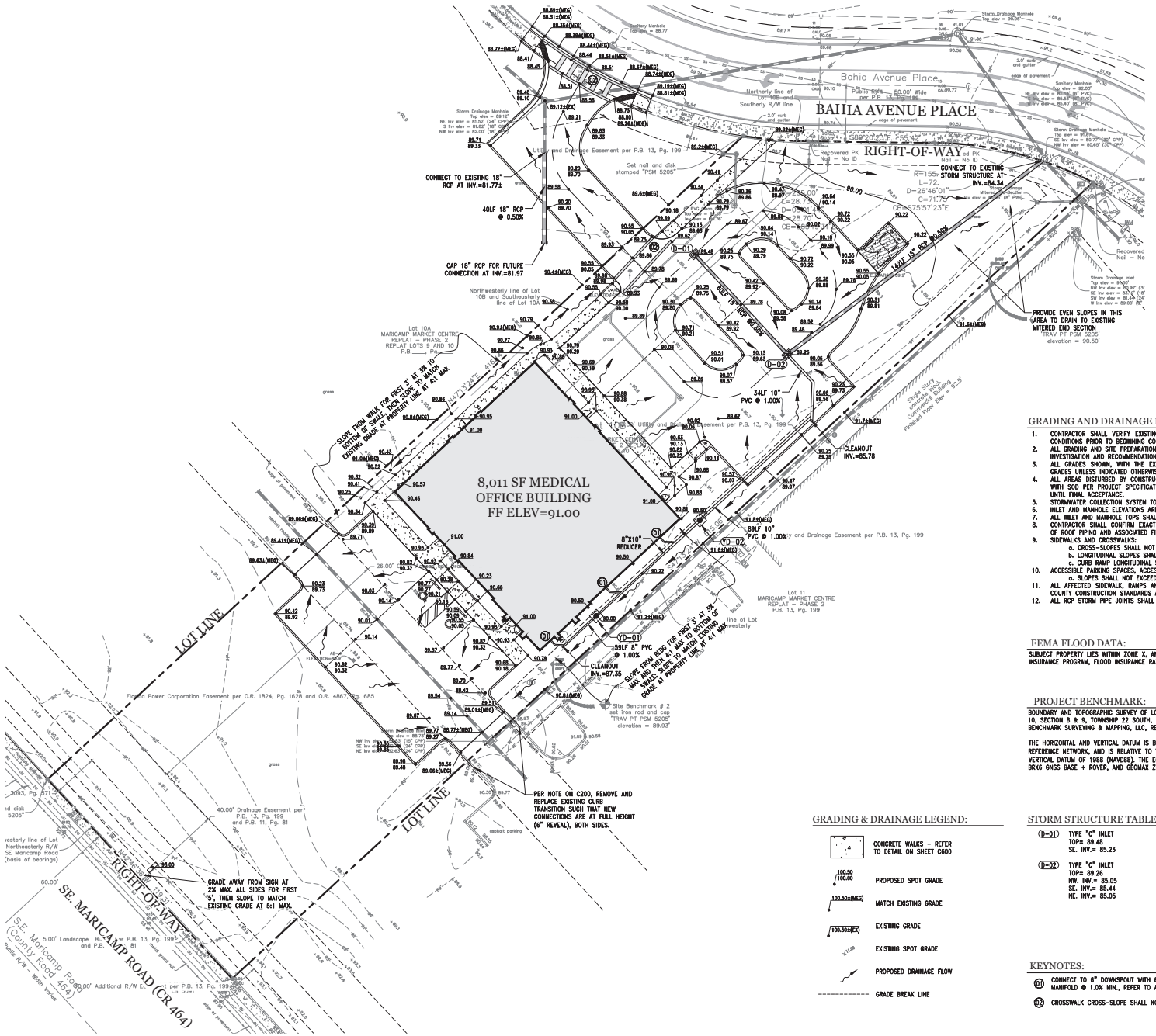

GRADING AND DRAINAGE NOTES:

1. CONTRACTOR SHALL VERIFY EXISTING TOPOGRAPHIC DATA, LOCATION OF EXISTING UTILITIES AND ALL OTHER SITE CONDITIONS PRIOR TO BEGINNING CONSTRUCTION.
2. ALL GRADING AND SITE PREPARATION SHALL CONFORM TO SPECIFICATIONS CONTAINED IN THE PROJECT GEOTECHNICAL INVESTIGATION AND RECOMMENDATIONS, AND SPECIFICATION SECTIONS 31 10 00 AND 31 20 00.
3. ALL GRADES SHOWN, WITH THE EXCEPTION OF THOSE INDICATED ON THE SURVEY BASE DRAWING, ARE FINISHED GRADES UNLESS INDICATED OTHERWISE.
4. ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES SHALL BE GRADED TO ORIGINAL GROUND LINES AND FINISHED WITH SOD PER PROJECT SPECIFICATIONS UNLESS NOTED OTHERWISE. THE CONTRACTOR SHALL MAINTAIN ALL AREAS UNTIL FINAL ACCEPTANCE.
5. STORMWATER COLLECTION SYSTEM TO BE PRIVATELY OWNED AND MAINTAINED.
6. INLET AND MANHOLE ELEVATIONS ARE TOP OF RIM.
7. ALL INLET AND MANHOLE TOPS SHALL BE TRAFFIC BEARING UNLESS OTHERWISE NOTED.
8. CONTRACTOR SHALL CONFIRM EXACT LOCATION OF ALL TIE-INS TO ROOF DRAINAGE PIPING PRIOR TO INSTALLATION OF ROOF PIPING AND ASSOCIATED FITTINGS.
9. SIDEWALKS AND CROSSWALKS:
   a. CROSS-SLOPES SHALL NOT EXCEED 2.0%
   b. LONGITUDINAL SLOPES SHALL NOT EXCEED 5.0% EXCEPT CURB RAMPS.
   c. CURB RAMP LONGITUDINAL SLOPES SHALL NOT EXCEED 12:1.
10. ACCESSIBLE PARKING SPACES, ACCESS AISLES AND PASSENGER LOADING ZONES:
    a. SLOPES SHALL NOT EXCEED 2.0% IN ANY DIRECTION.
11. ALL AFFECTED SIDEWALK, RAMPS AND CROSSWALKS SHALL BE BUILT AND INSPECTED TO MEET CURRENT ADA AND COUNTY CONSTRUCTION STANDARDS AND SPECIFICATIONS.
12. ALL RCP STORM PIPE JOINTS SHALL BE WRAPPED WITH MON-WOVEM FILTER FABRIC TO ENSURE A SOIL-TIGHT JOINT.

FEMA FLOOD DATA:

SUBJECT PROPERTY LIES WITHIN ZONE X, AN AREA OF MINIMAL FLOOD HAZARD, ACCORDING TO THE NATIONAL FLOOD INSURANCE PROGRAM, FLOOD INSURANCE RATE MAP NUMBER 12083C0735D, DATED AUGUST 28, 2008.

PROJECT BENCHMARK:

BOUNDARY AND TOPOGRAPHIC SURVEY OF LOT 10B, MARICAMP MARKET CENTRE REPLAT – PHASE 2 REPLAT LOTS 9 AMD 10, SECTION 8 & 9, TOWNSHIP 22 SOUTH, RANGE 35 EAST, MARION COUNTY, OCALA, FLORIDA AS PREPARED BY BENCHMARK SURVEYING & MAPPING, LLC, REVISED FEBRUARY 26, 2025.

THE HORIZONTAL AND VERTICAL DATUM IS BASED ON THE FLORIDA DEPARTMENT OF TRANSPORTATION PERMANENT REFERENCE NETWORK, AND IS RELATIVE TO THE NORTH AMERICAN DATUM OF 1983 (NAD83) AND NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). THE EQUIPMENT USED TO MAKE ALL SITE OBSERVATIONS ARE AS FOLLOWS: CARLSON BRX6 GNSS BASE + ROVER, AND GEOMAX ZOOM 80 ROBOTIC TOTAL STATION.

GRADING & DRAINAGE LEGEND:

- CONCRETE WALKS – REFER TO DETAIL ON SHEET C600
- 100.50 / 100.00 — PROPOSED SPOT GRADE
- 100.50±(MEG) — MATCH EXISTING GRADE
- 100.50±(EX) — EXISTING GRADE
- EXISTING SPOT GRADE
- PROPOSED DRAINAGE FLOW
- GRADE BREAK LINE

STORM STRUCTURE TABLE:

D-01	TYPE "C" INLET TOP= 89.48 SE. INV.= 85.23	YD-01	8" INLINE DRAIN TOP = 90.00 INV.= 87.15
D-02	TYPE "C" INLET TOP= 89.26 NW. INV.= 85.05 SE. INV.= 85.44 NE. INV.= 85.05	YD-02	8" INLINE DRAIN TOP = 90.50 INV.= 86.46

KEYNOTES:

01 CONNECT TO 6" DOWNSPOUT WITH 6" PVC AT INVERT= 87.50 AND CONTINUE TO MANIFOLD @ 1.0% MIN., REFER TO ARCHITECTURAL PLANS FOR CONTINUATION.

02 CROSSWALK CROSS-SLOPE SHALL NOT EXCEED 2% IN ANY DIRECTION.

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SILVER SPRINGS SHORES MEDICAL OFFICE BUILDING

MARION COUNTY, FL

GRADING & DRAINAGEPLAN

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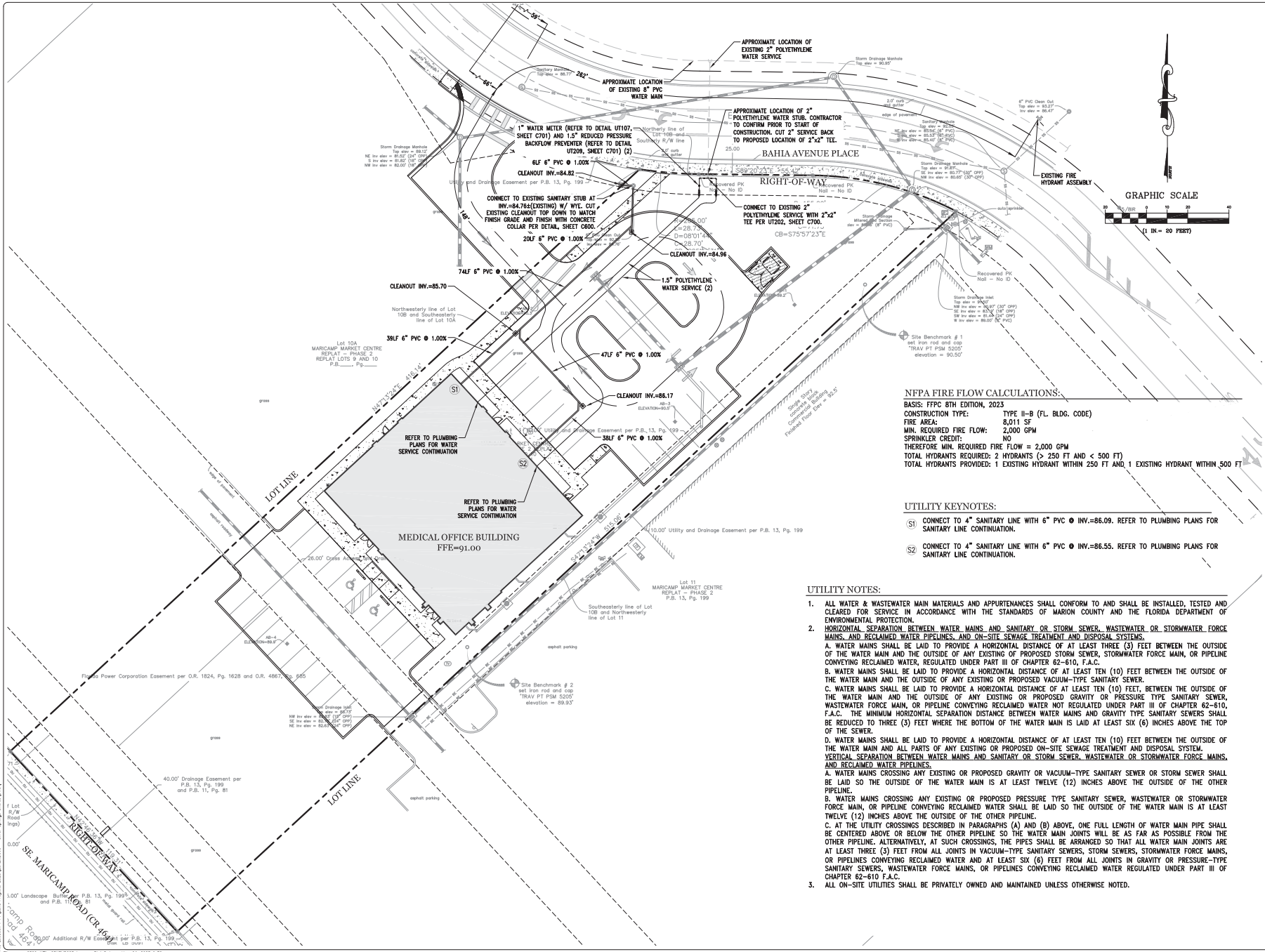

NFPA FIRE FLOW CALCULATIONS:

BASIS: FFPC 8TH EDITION, 2023
CONSTRUCTION TYPE: TYPE II-B (FL. BLDG. CODE)
FIRE AREA: 8,011 SF
MIN. REQUIRED FIRE FLOW: 2,000 GPM
SPRINKLER CREDIT: NO
THEREFORE MIN. REQUIRED FIRE FLOW = 2,000 GPM
TOTAL HYDRANTS REQUIRED: 2 HYDRANTS (> 250 FT AND < 500 FT)
TOTAL HYDRANTS PROVIDED: 1 EXISTING HYDRANT WITHIN 250 FT AND 1 EXISTING HYDRANT WITHIN 500 FT

UTILITY KEYNOTES:

(S1) CONNECT TO 4" SANITARY LINE WITH 6" PVC @ INV.=86.09. REFER TO PLUMBING PLANS FOR SANITARY LINE CONTINUATION.

(S2) CONNECT TO 4" SANITARY LINE WITH 6" PVC @ INV.=86.55. REFER TO PLUMBING PLANS FOR SANITARY LINE CONTINUATION.

UTILITY NOTES:

1. ALL WATER & WASTEWATER MAIN MATERIALS AND APPURTENANCES SHALL CONFORM TO AND SHALL BE INSTALLED, TESTED AND CLEARED FOR SERVICE IN ACCORDANCE WITH THE STANDARDS OF MARION COUNTY AND THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION.
2. HORIZONTAL SEPARATION BETWEEN WATER MAINS AND SANITARY OR STORM SEWER, WASTEWATER OR STORMWATER FORCE MAINS, AND RECLAIMED WATER PIPELINES, AND ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEMS.
   A. WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE (3) FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OF PROPOSED STORM SEWER, STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER, REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.
   B. WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST TEN (10) FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED VACUUM-TYPE SANITARY SEWER.
   C. WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST TEN (10) FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED GRAVITY OR PRESSURE TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C. THE MINIMUM HORIZONTAL SEPARATION DISTANCE BETWEEN WATER MAINS AND GRAVITY TYPE SANITARY SEWERS SHALL BE REDUCED TO THREE (3) FEET WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST SIX (6) INCHES ABOVE THE TOP OF THE SEWER.
   D. WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST TEN (10) FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND ALL PARTS OF ANY EXISTING OR PROPOSED ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEM.
   VERTICAL SEPARATION BETWEEN WATER MAINS AND SANITARY OR STORM SEWER, WASTEWATER OR STORMWATER FORCE MAINS, AND RECLAIMED WATER PIPELINES.
   A. WATER MAINS CROSSING ANY EXISTING OR PROPOSED GRAVITY OR VACUUM-TYPE SANITARY SEWER OR STORM SEWER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST TWELVE (12) INCHES ABOVE THE OUTSIDE OF THE OTHER PIPELINE.
   B. WATER MAINS CROSSING ANY EXISTING OR PROPOSED PRESSURE TYPE SANITARY SEWER, WASTEWATER OR STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST TWELVE (12) INCHES ABOVE THE OUTSIDE OF THE OTHER PIPELINE.
   C. AT THE UTILITY CROSSINGS DESCRIBED IN PARAGRAPHS (A) AND (B) ABOVE, ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THE WATER MAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE. ALTERNATIVELY, AT SUCH CROSSINGS, THE PIPES SHALL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST THREE (3) FEET FROM ALL JOINTS IN VACUUM-TYPE SANITARY SEWERS, STORM SEWERS, STORMWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER AND AT LEAST SIX (6) FEET FROM ALL JOINTS IN GRAVITY OR PRESSURE-TYPE SANITARY SEWERS, WASTEWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610 F.A.C.
3. ALL ON-SITE UTILITIES SHALL BE PRIVATELY OWNED AND MAINTAINED UNLESS OTHERWISE NOTED.

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Selby G. Weeks 56991

SILVER SPRINGS SHORES
MEDICAL OFFICE BUILDING
MARION COUNTY, FL

UTILITY PLAN

revision	description	date
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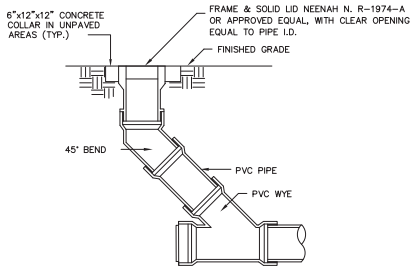
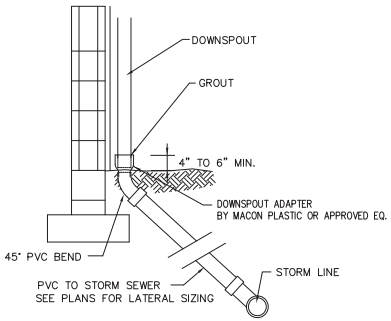
drawn by: JD
checked by: SGW
date: 02/28/2025
plot scale: AS SHOWN
project number: 25HEMB065
file name: C500-UTIL-25HEMB065.DWG

C500

File Location : F:\Land Projects 2025\25HEMB065 - Silver Springs Shores\DWG\
Filename : C500-UTIL-25HEMB065.dwg Plot Date : Mar. 04, 2025 9:30am

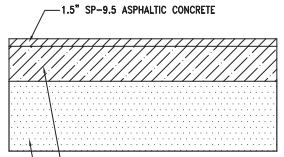


CLEANOUT DETAIL
N.T.S.



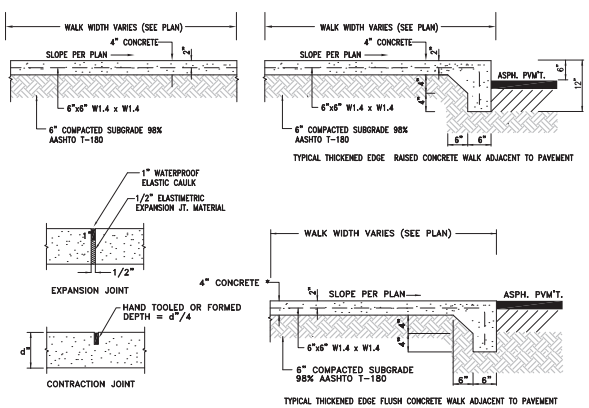
NOTES:
1. VERIFY THAT THERE ARE NO CONFLICTS WITH BUILDING/WALK FOUNDATION. PROVIDE FITTINGS AS REQUIRED TO MITIGATE CONFLICT.
2. ENSURE THAT CENTERLINE OF HUB MATCHES CENTERLINE OF DOWNSPOUT AT JUNCTION.
3. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION.

DOWNSPOUT CONNECTION DETAIL (IN GRASS)
N.T.S.



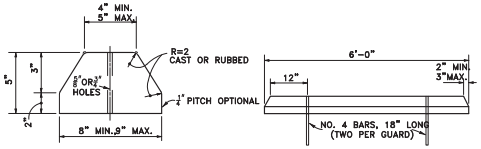
NOTE:
TYPE SP ASPHALTIC CONCRETE SHALL USE ASPHALT BINDER GRADE PG67-22 AND NO MORE THAN 15 PERCENT RECYCLED ASPHALT PAVEMENT (RAP) AGGREGATE.

ASPHALT PAVEMENT SECTION
N.T.S.

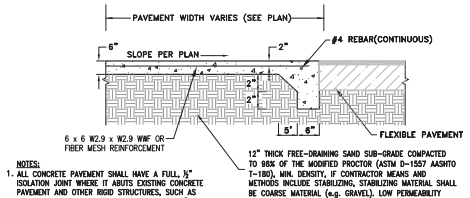


NOTES:
1. SIDEWALK W/LIGHT BROOM FINISH & TROWELED EDGE.
2. FOR APPLICATIONS WHERE SIDEWALKS ARE ADJACENT TO GRASSED AREAS, THE GRASS AREA SHALL NOT EXCEED A 2% SLOPE FOR A MINIMUM OF 5 FEET.
3. CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH OF 3000 PSI CONCRETE AT 28 DAYS
4. ALL CONCRETE SIDEWALKS SHALL HAVE A FULL 1/2" EXPANSION JOINT AT A MAXIMUM DISTANCE OF 40 LINEAR FEET AND A SAW CUT OR FORMED DUMMY CONTRACTION JOINT AT EVENLY SPACED INTERVALS NOT TO EXCEED WIDTH OF THE WALK OR 8 LINEAR FEET WHICH EVER IS THE SMALLEST.
5. AN ½" CONSTRUCTION JOINT SHALL BE CONSTRUCTED AT ALL P.C. AND P.T. OF CURVES AND WHERE EXISTING AND NEW SIDEWALKS MEET.

CONCRETE WALK DETAILS
N.T.S.

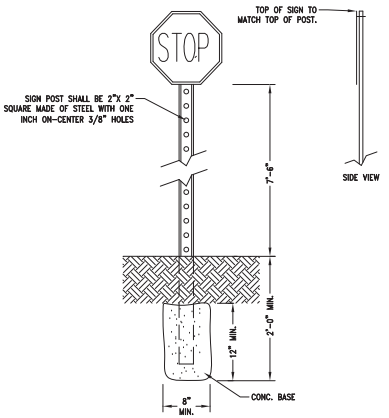


CONCRETE BUMPER GUARD DETAIL
N.T.S.

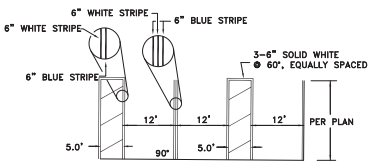


NOTES:
1. ALL CONCRETE PAVEMENT SHALL HAVE A FULL, ½" ISOLATION JOINT WHERE IT ABUTS EXISTING CONCRETE PAVEMENT AND OTHER RIGID STRUCTURES, SUCH AS BUILDING FOUNDATIONS AND WALLS. PROVIDE 2" SAW CUT OR DUMMY CONTRACTION JOINT AT EVENLY SPACED INTERVALS NOT TO EXCEED 20 FEET.
2. PORTLAND CEMENT CONCRETE PAVEMENT TO BE 4,000-PSI COMPRESSIVE STRENGTH, MIN.

CONCRETE PAVEMENT DETAIL
N.T.S.

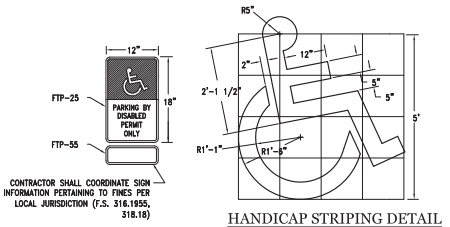


TYPICAL SIGN
N.T.S



NOTE:
1. HANDICAP SPACE IS TO BE OUTLINED IN A 6" BLUE PAINTED STRIPE.
2. PAINT CURB AND WHEEL STOP BLUE.
3. HANDICAP MARKINGS AND SIGNAGE MUST CONFORM TO FDOT STANDARDS PLANS INDICES 711-001 AND 700-102.

TYPICAL HANDICAP PARKING SECTION
N.T.S.



HANDICAP STRIPING DETAIL
N.T.S.

NOTES:
1. ALL LETTERS ARE 1" SERIES "C", PER MUTCD.
2. TOP PORTION OF SIGN SHALL HAVE REFLECTORIZED (ENGINEERING GRADE) BLUE BACKGROUND WITH WHITE REFLECTORIZED LEGEND AND BORDER.
3. BOTTOM PORTION OF SIGN SHALL HAVE A REFLECTORIZED (ENGINEERING GRADE) WHITE BACKGROUND WITH BLACK OPAQUE LEGEND AND BORDER.
4. ONE (1) SIGN IS REQUIRED FOR EACH PARKING SPACE.
5. HEIGHT OF SIGN SHALL BE 7'-6" FROM FINISHED GROUND TO BOTTOM OF SIGN.
6. HANDICAP MARKINGS AND SIGNAGE MUST CONFORM TO FDOT STANDARDS PLANS INDICES 711-001 AND 700-102.

HANDICAP PARKING SYMBOL
N.T.S.

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Selby G. Weeks 56991

SILVER SPRINGS SHORES MEDICAL OFFICE BUILDING
MARION COUNTY, FL

SITE DETAILS

revision	description	date
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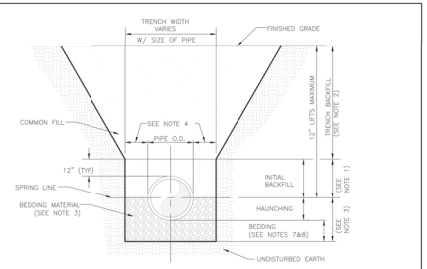
△		

drawn by: JD
checked by: SGW
date: 02/28/2025
plot scale: AS SHOWN
project number: 25HEMB065
file name: C600-DTLS-25HEMB065.DWG

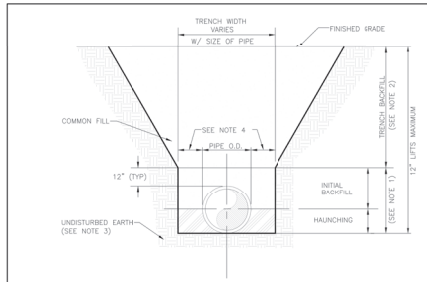
C600

File Location : F:\Land Projects 2025\25HEMB065 - Silver Springs Shores\DWG\
Filename : C600-DTLS-25HEMB065.dwg Plot Date : Mar. 03, 2025 12:22pm



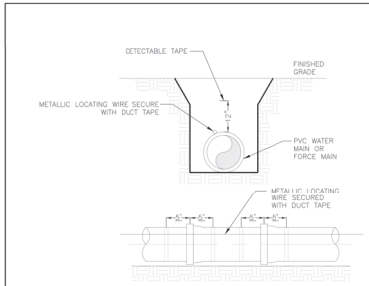
NOTES:
1. INITIAL BACKFILL: COMMON FILL COMPACTED TO 95% (98% UNDER PAVEMENT) OF THE MAXIMUM DENSITY AS PER AASHTO T-180.
2. TRENCH BACKFILL: COMMON FILL COMPACTED TO 95% (98% UNDER PAVEMENT) OF THE MAXIMUM DENSITY AS PER AASHTO T-180.
3. BEDDING MATERIAL SHALL CONFORM TO FDOT NO. 57 AGGREGATE.
4. 15" MAX. (12" MIN.) FOR PIPE DIAMETER LESS THAN 24" AND 24" MAX (12" MIN) FOR PIPE DIAMETER 24" AND LARGER.
5. WATER SHALL NOT BE PERMITTED IN THE TRENCH DURING CONSTRUCTION.
6. ALL PIPE TO BE INSTALLED WITH BELL FACING UPSTREAM TO THE DIRECTION OF THE FLOW.
7. BEDDING DEPTH SHALL BE 4" MINIMUM FOR PIPE DIAMETER UP TO 12" AND 6" MINIMUM FOR PIPE DIAMETER 16" AND LARGER.
8. DEPTH FOR REMOVAL OF UNSUITABLE MATERIAL SHALL GOVERN DEPTH OF BEDDING ROCK BELOW THE PIPE. UTILITIES SHALL DETERMINE IN THE FIELD REQUIRED REMOVAL OF UNSUITABLE MATERIAL TO REACH SUITABLE FOUNDATION.
9. FINAL RESTORATION 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 O' RIGHT-OF-WAY UTILIZATION REGULATIONS AND ROAD CONSTRUCTION SPECIFICATIONS.
10. ONE COMPACTION TEST SHALL BE REQUIRED FOR EACH LIFT NOT TO EXCEED 200'.

Marion County FLORIDA UTILITIES	MCBCC EFFECTIVE 04/13/2023	BEDDING AND TRENCHING 1	7.3.2
	REVISION # 1		UT 102



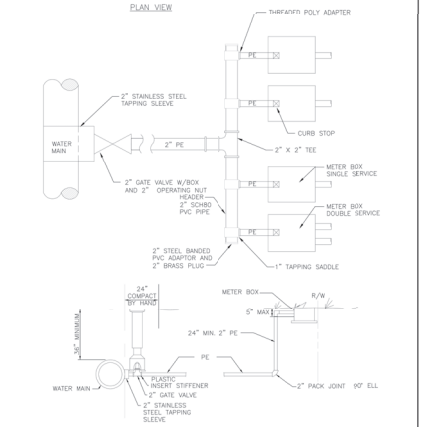
NOTES:
1. INITIAL BACKFILL AND HAUNCHING: SELECT COMMON FILL COMPACTED TO 95% (98% UNDER PAVEMENT) OF THE MAXIMUM DENSITY AS PER AASHTO T-180.
2. TRENCH BACKFILL: COMMON FILL COMPACTED TO 95% (98% UNDER PAVEMENT) OF THE MAXIMUM DENSITY AS PER AASHTO T-180.
3. PIPE BEDDING UTILIZING SELECT COMMON FILL OR BEDDING ROCK IN ACCORDANCE WITH BEDDING AND TRENCHING 1 DETAIL MAY BE REQUIRED AS DIRECTED BY MCU.
4. 15" MAX. (12" MIN.) FOR PIPE DIAMETER LESS THAN 24" ANE 24" MAX (12" MIN) FOR PIPE DIAMETER 24" AND LARGER.
5. WATER SHALL NOT BE PERMITTED IN THE TRENCH DURING CONSTRUCTION.
6. ALL PIPE TO BE INSTALLED WITH BELL FACING UPSTREAM TO THE DIRECTION OF THE FLOW.
7. FINAL RESTORATION 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.
8. ONE COMPACTION TEST SHALL BE REQUIRED FOR EACH LIFT NOT TO EXCEED 200'.

Marion County FLORIDA UTILITIES	MCBCC EFFECTIVE 04/13/2023	BEDDING AND TRENCHING 2	7.3.2
	REVISION # 2		UT 103



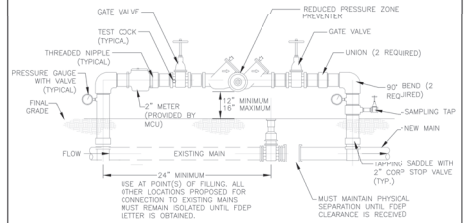
NOTES:
1. PVC PIPE SHALL REQUIRE INSULATED METALLIC LOCATING WIRE (10 GAUGE COPPER) CAPABLE OF DETECTION BY A CABLE LOCATOR AND SHALL BE BURIED ON TOP OF THE PIPE.
2. LOCATING WIRE SHALL TERMINATE AT EACH VALVE BOX AND BE CAPABLE OF EXTENDING 12" ABOVE TOP OF BOX IN SUCH A MANNER SO AS NOT TO INTERFERE WITH VALVE OPERATION PER UT 112.
3. ALL WIRE CONNECTIONS SHALL BE SPLICED TOGETHER USING WATERTIGHT WIRE NUTS.
4. FOR HORIZONTAL DIRECTIONAL DRILLING, UTILIZE 2 LOCATING WIRES EACH WITH A BREAK LOAD OF 2032 POUNDS.
5. DETECTABLE TAPE SHALL BE 1' ABOVE THE CENTERLINE OF THE PIPE.

Marion County FLORIDA UTILITIES	MCBCC EFFECTIVE 04/13/2023	PIPE LOCATING WIRE AND DETECTABLE TAPE	7.3.2
	REVISION # 1		UT 104



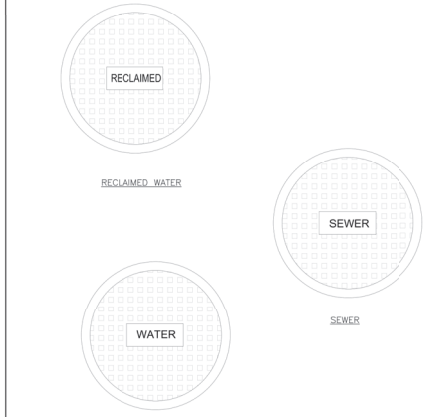
NOTES:
1. MAXIMUM 0' 5 5/8" METERS
2. METER BOXES SHALL NOT BE LOCATED WITHIN DRIVING SURFACE. METER BOXES MUST BE LOCATED IN RIGHT-OF-WAY OR PRIVATE PROPERTY WITH A UTILITY EASEMENT.
3. NO MALE ADAPTERS ALLOWED AT VALVE; SHALL BE A BRASS NIPPLE WITH 2" SCH80 FEMALE STEEL BANDED ADAPTER.
4. ALL TAPS MUST BE LOCATED A MINIMUM OF 24" AWAY FROM ANY BELL AND/OR FITTING.

Marion County FLORIDA UTILITIES	MCBCC EFFECTIVE 04/13/2023	METER BANK 2" SUPPLY	7.3.2
	REVISION # 1		UT 202



NOTES:
1. A TEMPORARY JUMPER CONNECTION IS REQUIRED AT ALL CONNECTIONS BETWEEN EXISTING ACTIVE WATER MAINS AND PROPOSED NEW WATER MAIN IMPROVEMENTS. TEMPORARY JUMPER WATER METERS WILL BE SUPPLIED BY MCU.
2. THIS DETAIL IS TO BE USED FOR FILLING ANY NEW WATER MAIN OF ANY SIZE FOR EXISTING ACTIVE WATER MAINS AND FOR FLUSHING OF NEW MAINS, AND FOR PULLING BACTERIOLOGICAL SAMPLES FROM ANY NEW WATER MAIN OF ANY SIZE. THE JUMPER CONNECTION SHALL BE MAINTAINED UNTIL AFTER FILLING, FLUSHING, TESTING, AND DISINFECTION OF THE NEW MAIN HAS BEEN SUCCESSFULLY COMPLETED AND C.EARANCE FOR USE FROM FDEP HAS BEEN RECEIVED. THIS JUMPER CONNECTION SHALL ALSO BE USED TO MAINTAIN A MINIMUM PRESSURE OF 20 PSI IN THE NEW MAINS ALL THE TIME AFTER DISINFECTION AND UNTIL THE FDEP CLEARANCE LETTER IS OBTAINED. ADEQUATE THRUST BLOCKING AND/OR RESTRAINTS SHALL BE PROVIDED TEMPORARILY, AS REQUIRED. PIPE AND FITTINGS USED FOR CONNECTING THE NEW PIPE TO THE EXISTING PIPE SHALL BE DISINFECTED PRIOR TO INSTALLATION IN ACCORDANCE WITH AWWA C651, LATEST EDITION.
3. THE TAPPING SLEEVE AND THE EXTERIOR OF THE MAIN TO BE TAPPED SHALL BE DISINFECTED BY SPRAYING OR SWABBING PER SECTION II OF AWWA C651, LATEST EDITION.
4. UPON RECEIPT OF CLEARANCE FOR USE FROM FDEP AND MCU, THE CONTRACTOR SHALL REMOVE THE TEMPORARY JUMPER CONNECTION. THE 2" CORP VALVES ARE TO BE CLOSED AND PLUGGED WITH 2" BRASS PLIGS. THE MAINS CAN NOW BE CONNECTED BY SLEEVE OR FLANGED CONNECTIONS.
5. ALL INSTALLATION AND MAINTENANCE OF THE TEMPORARY JUMPER CONNECTION ASSEMBLY SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
6. WATER FOR TESTING AND DISINFECTION OF THE NEW WATER MAIN AND WATER FOR MAINTENANCE OR OTHER USES SHALL BE AT THE CONTRACTOR'S EXPENSE.
7. ALL PIPING AND APPURTENANCES TO BE 2" FOR 0" AND BELOW WATER MAINS, 4" FOR 12" WATER MAINS; 8" FOR 16' WATER MAINS; 12" FOR 24" WATER MAINS.
8. ALL TAPS MUST BE LOCATED A MINIMUM OF 24" AWAY FROM ANY BELL AND/OR FITTING.

Marion County FLORIDA UTILITIES	MCBCC EFFCTIVE 04/13/2023	TEMPORARY JUMPER CONNECTION	7.3.2
	REVISION # 2		UT 203



Marion County FLORIDA UTILITIES	MCBCC EFFECTIVE 04/13/2023	TYPICAL VALVE BOX COVER	7.3.2
	REVISION # NA		UT 110

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SELBY G. WEEKS LICENSE No. 56991 STATE OF FLORIDA PROFESSIONAL ENGINEER

Selby G. Weeks 56991

SILVER SPRINGS SHORES
MEDICAL OFFICE BUILDING
MARION COUNTY, FL

MARION COUNTY DETAILS

revision	description	date
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drawn by: JD
checked by: SGW
date: 02/28/2025
plot scale: AS SHOWN
project number: 25HEMB065
file name: Cover-DTLS-25HEMB065.DWG

C700

File Location : P:\Land Projects 2025\25HEMB065 - Silver Springs Shores\DWG\
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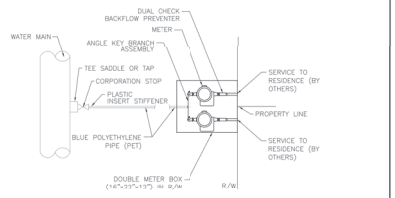
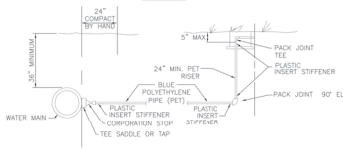


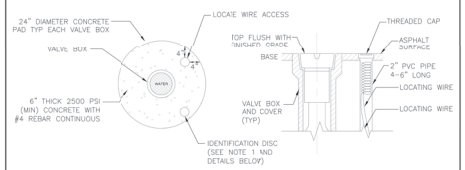
PLAN VIEW



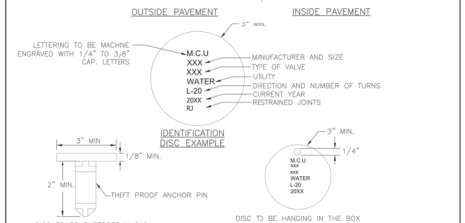
PROFILE VIEW

NOTES:
1. ALL RESIDENTIAL SERVICES SHALL HAVE A MINIMUM SIZE OF 1".
2. CURB STOP SHALL BE INSTALLED ON STREET SIDE OF THE SIDEWALK BETWEEN SIDEWALK AND CURB.
3. SCHEDULE 40 PVC CASING TO BE USED UNDER PAVEMENT, EXTENDING A MINIMUM OF 5' ON EITHER SIDE OF THE PAVEMENT WHERE POSSIBLE. THE INSIDE DIAMETER OF THE CASING PIPE SHALL BE A MINIMUM OF ONE INCH LARGER THAN THE OUTSIDE DIAMETER OF THE SERVICE PIPE.
4. CORP STOPS SHALL BE HORIZONTAL TO WATER MAINS.
5. LOCATE WIRE SHALL BE INSTALLED FROM MAIN TO SERVICE LINE.
6. PIPE AND FITTING SIZES TO BE DETERMINED BY SERVICE TYPE.
7. COMPACTION SHALL BE MADE UNDER AND AROUND THE CONNECTION TO THE SATISFACTION OF THE ENGINEER.
8. POTABLE WATER SERVICE CONNECTIONS SHALL BE PERMANENTLY MARKED BY ETCHING OR STAMPING A "W" IN THE CURB DIRECTLY OVER THE SERVICE LINE.
9. RECLAIMED WATER SERVICE CONNECTIONS SHALL BE PERMANENTLY MARKED BY ETCHING OR STAMPING A "RW" IN THE CURB DIRECTLY OVER THE SERVICE LINE.
10. SERVICE LINES SHALL NOT CONFLICT WITH OTHER UTILITIES. SERVICE LINES SHALL BE SLEEVED WITH SCH40 PVC IF UNDER OTHER UTILITIES.
11. ALL TAPS MUST BE LOCATED A MINIMUM OF 24" AWAY FROM ANY BELL AND/OR FITTING.

Marion County FLORIDA UTILITIES	MCBCC EFFECTIVE 04/13/2023	WATER AND RECLAIMED WATER SERVICES (TYPICAL)	7.3.2
	REVISION # 2		UT 107

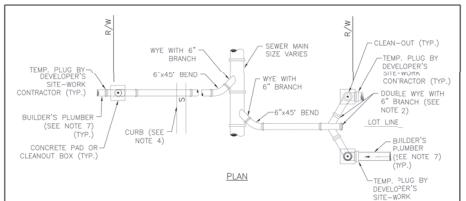


OUTSIDE PAVEMENT INSIDE PAVEMENT

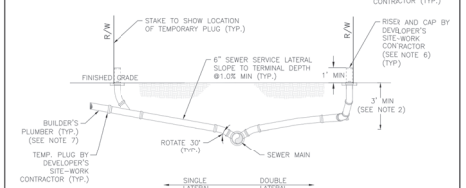


NOTES:
1. BRONZE (OR STAINLESS STEEL) IDENTIFICATION DISC SHALL BE REQUIRED FOR ALL VALVES, EXCEPT HYDRANT VALVES.
2. LOCATING WIRE SHALL TERMINATE AT EACH VALVE BOX AND BE CAPABLE OF EXTENDING 12" ABOVE TOP OF BOX IN SUCH A MANNER SO AS NOT TO INTERFERE WITH VALVE OPERATION.

Marion County FLORIDA UTILITIES	MCBCC EFFECTIVE 04/13/2023	VALVE BOX PAD	7.3.2
	REVISION # 1		UT 112



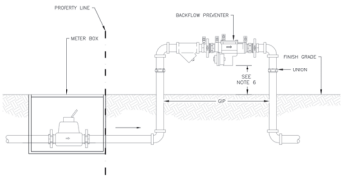
PLAN



PROFILE

NOTES:
1. INVERT OF SERVICE LATERAL SHALL NOT ENTER SEWER MAIN BELOW SPRING LINE.
2. WYE TO BE NO SHALLOWER THAN 3' AND NO DEEPER THAN 5'.
3. ALL FITTINGS SHOWN ARE TO BE INSTALLED.
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 MCU.
5. CLEANOUT CAP SHALL BE SET A MINIMUM OF 2" ABOVE THE FINISHED GRADE. CLEANOUTS IN R\ PARKS SHALL BE SET 6" ABOVE FINISHED GRADE WITH A CONCRETE COLLAR.
6. DURING CONSTRUCTION, SERVICE LATERAL AND CLEANOUTS SHALL BE STUBBED OUT A MINIMUM OF 1' ABOVE FINISHED GRADE AND SHALL BE CAPPED BY DEVELOPER'S SITE-WORK CONTRACTOR UNTIL PROPERTY IS DEVELOPED AND CONNECTION TO CENTRAL SEWER IS MADE BY PLUMBER.
7. BUILDER'S PLUMBER SHALL CUT RISER, INSTALL CLEANOUT CAP, REMOVE TEMPORARY PLUG, CONNECT SERVICE LATERAL TO HOUSE PLUMBING AND GROUT VOID BETWEEN CLEANOUT AND PAD.
8. ALL DEVELOPMENT SHALL BE DESIGNED AND BUILT IN A MANNER WHERE THE LOWEST WASTEWATER SERVICE LATERAL DOES NOT DROP BELOW THE GRAVITY SEWER GRADE LINE.

Marion County FLORIDA UTILITIES	MCBCC EFFECTIVE 04/13/2023	SEWER SERVICE LATERAL	7.3.2
	REVISION # 2		UT 312



NOTES:
1. BACKFLOW PREVENTON ASSEMBLY SHALL BE INSTALLED AND MAINTAINED AS PER MARION COUNTY CROSS CONNECTION CONTROL ORDINANCE AND/OR PLUMBING CODE.
2. BACKFLOW PREVENTON ASSEMBLY TO BE INSTALLED LEVEL AND PLUMB.
3. MINIMUM CLEARANCE OF 24" TO BE MAINTAINED AROUND ASSEMBLY FOR TESTING.
4. ASSEMBLY MUST BE LISTED WITH THE UNIVERSITY OF SOUTHERN CALIFORNIA FOUNDATION FOR CROSS CONNECTION CONTROL AND HYDRAULIC RESEARCH.
5. ALL BACKFLOW PREVENTION ASSEMBLIES MUST BE TESTED FOLLOWING INSTALLATION AND INITIATION OF WATER SERVICE. THE BACKFLOW PREVENTION ASSEMBLY TESTER MUST POSSESS 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 MCU WITHIN 14 DAYS FROM THE DATE OF INSTALLATION.
6. MIN. 12" MAX 18" ABOVE FINISHED GRADE AND FLOODPLAIN.
7. METERS LARGER THAN 2" WILL REQUIRE DISCUSSION WITH MCU.

Marion County FLORIDA UTILITIES	MCBCC EFFECTIVE 04/13/2023	2" AND SMALLER REDUCED PRESSURE AND/OR DOUBLE CHECK BACKFLOW ASSEMBLY	7.3.2
	REVISION # 1		UT 209

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SILVER SPRINGS SHORES
MEDICAL OFFICE BUILDING
MARION COUNTY, FL

MARION COUNTY DETAILS

revision	description	date
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drawn by: JD
checked by: SGW
date: 02/28/2025
plot scale: AS SHOWN
project number: 25HEMB065
file name: C000-DTLS-25HEMB065.DWG

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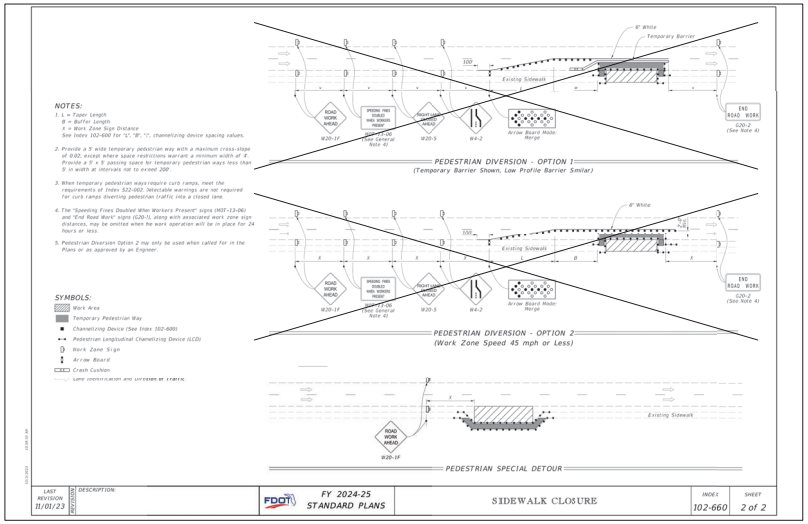
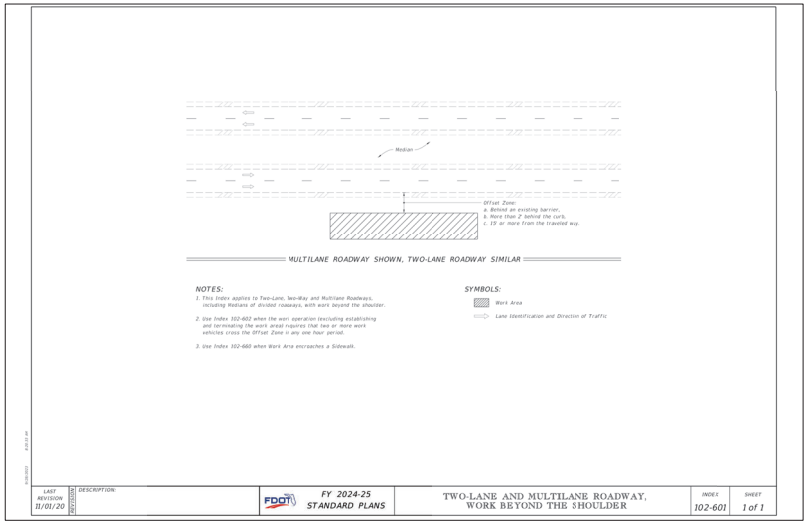
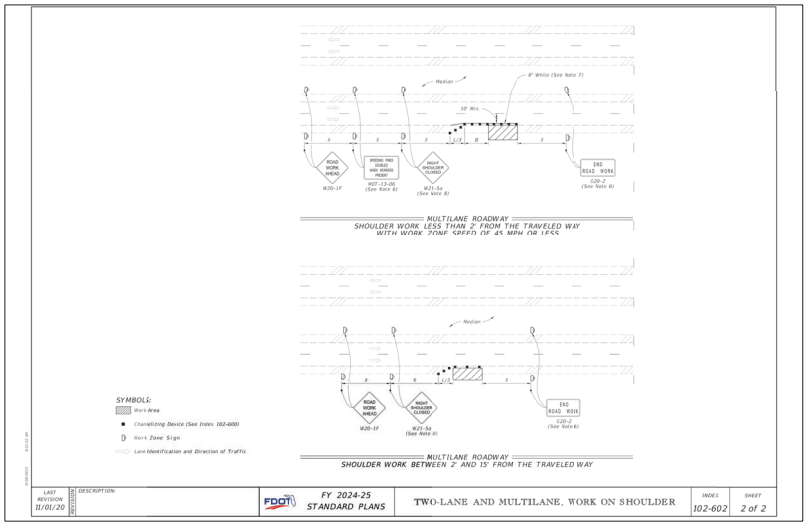


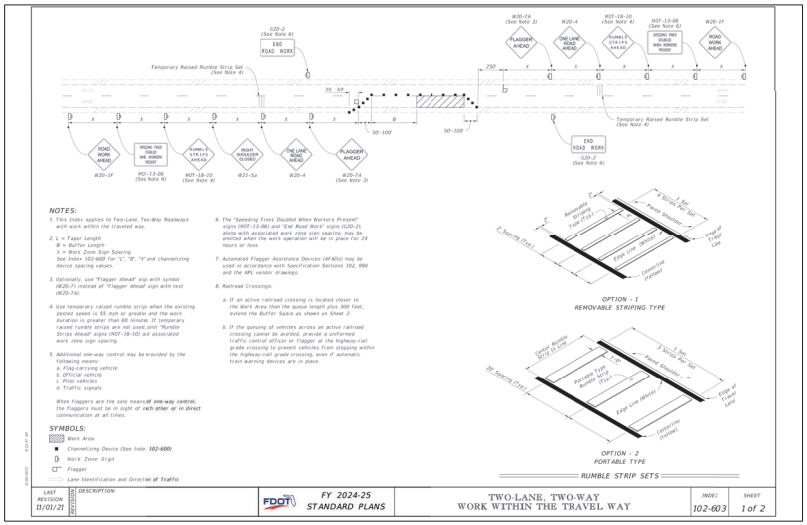
LAST REVISION	DESCRIPTION:	FY 2024-25 STANDARD PLANS	SIDEWALK CLOSURE	INDEX	SHEET
11/01/23				102-660	2 of 2



LAST REVISION	DESCRIPTION:	FY 2024-25 STANDARD PLANS	TWO-LANE AND MULTILANE ROADWAY, WORK BEYOND THE SHOULDER	INDEX	SHEET
11/01/20				102-601	1 of 1



LAST REVISION	DESCRIPTION:	FY 2024-25 STANDARD PLANS	TWO-LANE AND MULTILANE, WORK ON SHOULDER	INDEX	SHEET
11/01/20				102-602	2 of 2



LAST REVISION	DESCRIPTION:	FY 2024-25 STANDARD PLANS	TWO-LANE, TWO-WAY WORK WITHIN THE TRAVEL WAY	INDEX	SHEET
11/01/21				102-603	1 of 2

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SILVER SPRINGS SHORES
MEDICAL OFFICE BUILDING
MARION COUNTY, FL

FDOT MOT DETAILS

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drawn by: JD
checked by: SGW
date: 02/28/2025
plot scale: AS SHOWN
project number: 25HEMB065
file name: Cover-DTLS-25HEMB065.DWG

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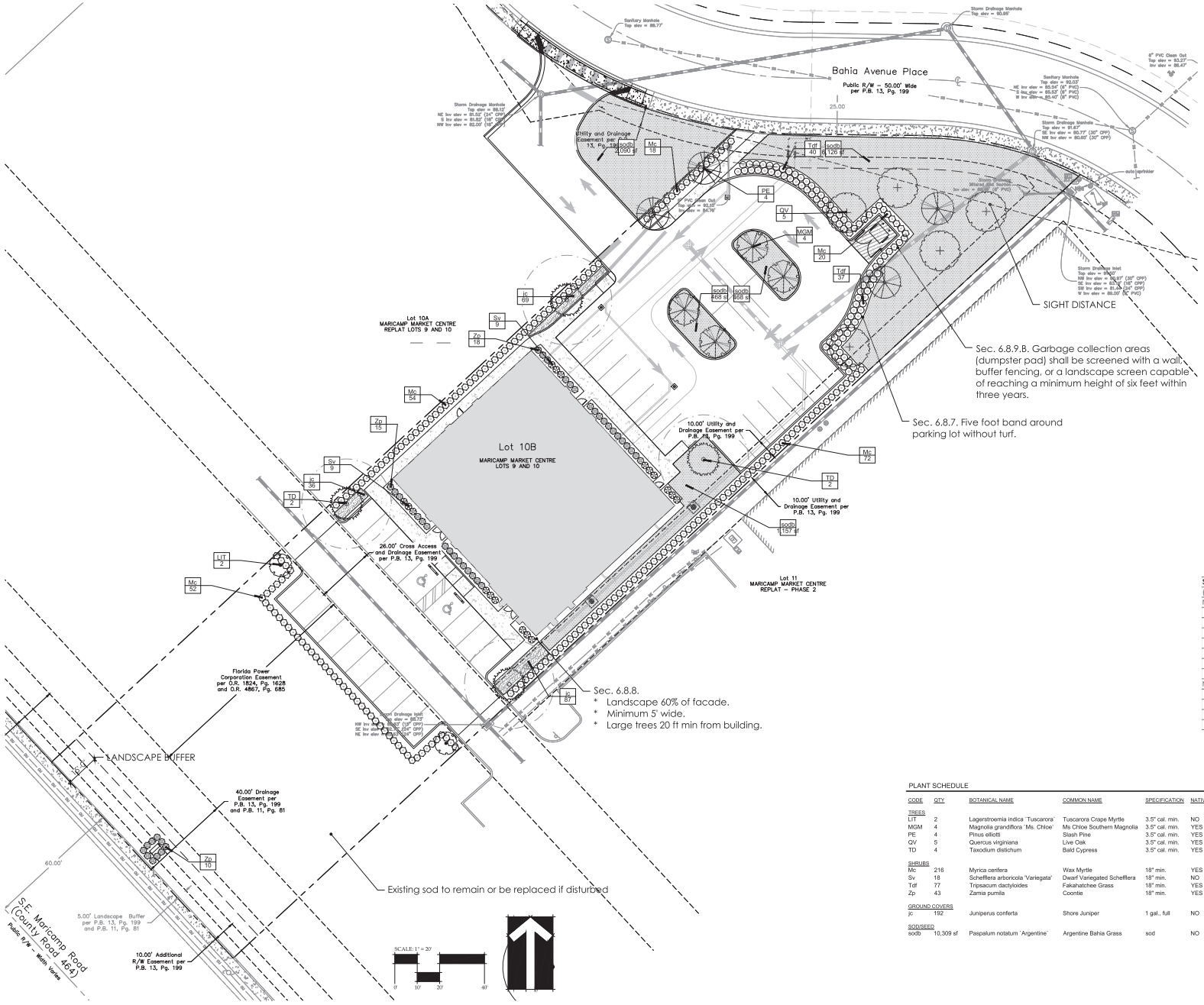

Sec. 6.7.4. Shade trees.

Site Area	1 tree per s.f.	Required Trees	Proposed Trees
56,316	3,000	18.8	19
Sec 6.8.10. C. (1) (d) Max. 50% one tree species			9.5

Sec. 6.8.10.C. Native Plant Requirements

(1)(b) Outside of the UGB			
NATIVE	PLANT	QTY	Subtotal
	MGM	4	
	PT	4	
	QV	5	
	TD	4	
	Mc	206	
	Tdf	77	
	Zp	61	361
NON NATIVE	LIS	2	
	jc	247	249
	TOTAL PLANTS		610
	Native	59.2%	
	Native requirement	35%	

PLANT SCHEDULE

CODE	QTY	BOTANICAL NAME	COMMON NAME	SPECIFICATION	NATIVE	WATER USE ZONE	SPACING	REMARKS
TREES								
LIT	2	Lagerstroemia indica `Tuscarora`	Tuscarora Crape Myrtle	3.5" cal. min.	NO	LOW	As Shown	
MGM	4	Magnolia grandiflora 'Ms. Chloe'	Ms Chloe Southern Magnolia	3.5" cal. min.	YES	MEDIUM	As Shown	
PE	4	Pinus elliotti	Slash Pine	3.5" cal. min.	YES	LOW	As Shown	
QV	5	Quercus virginiana	Live Oak	3.5" cal. min.	YES	LOW	As Shown	
TD	4	Taxodium distichum	Bald Cypress	3.5" cal. min.	YES	LOW	As Shown	
SHRUBS								
Mc	216	Myrica cerifera	Wax Myrtle	18" min.	YES	MEDIUM	36" o.c.	
Sv	18	Schefflera arboricola 'Variegata'	Dwarf Variegated Schefflera	18" min.	NO	LOW	36" o.c.	
Tdf	77	Tripsacum dactyloides	Fakahatchee Grass	18" min.	YES	LOW	36" o.c.	
Zp	43	Zamia pumila	Coontie	18" min.	YES	LOW	36" o.c.	
GROUND COVERS								
jc	192	Juniperus conferta	Shore Juniper	1 gal., full	NO	LOW		
SOD/SEED								
sodb	10,309 sf	Paspalum notatum `Argentine`	Argentine Bahia Grass	sod	NO	LOW		sand grown solid sod - weed free

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Digitally signed by Laurie A Elder
Date: 2025.03.04 08:47:46-05'00'

Laurie A. Elder, RLA FL #LA6666680

SILVER SPRINGS SHORES
MEDICAL OFFICE BUILDING
MARION COUNTY, FL
LANDSCAPE PLAN

revision	description	date
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drawn by: JD
checked by: SGW
date: 02/28/2025
plot scale: AS SHOWN
project number: 25HEMB065
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L400

GENERAL REQUIREMENTS

The Landscape Contractor shall be responsible for all materials and all work as called for on the landscape plans. The list of plant quantities accompanying the plans shall be used as guide only. If a discrepancy occurs between the plans and the plant list, the plans shall control.

The Landscape Contractor shall warranty all trees for a period of one (1) year and shrubs and ground covers for a period of six (6) months from the time of final acceptance by Owner and Landscape Architect.

The Landscape Contractor shall be wholly responsible for the stability and plumb condition of all trees and shall be legally liable for any damage caused by the instability of any plant material. Staking of trees and palms, if required, shall be done utilizing a method agreed upon by the Landscape Architect.

The Landscape Contractor shall research plans and contact appropriate agencies to determine the location of any utilities and obstructions prior to commencing work. Any utilities or unanticipated obstructions shall be reported to Landscape Architect or Owner immediately.

Positive drainage shall be maintained away from all structures on the site.

IRRIGATION SYSTEMS

All plant material and sodded areas shall have an automatic underground irrigation system providing 100% coverage.

PLANT SPECIFICATIONS

All nursery stock plant material shall be Florida #1 or better in accordance with Grades and Standards for Nursery Plants Parts I & II, latest edition as published by the Florida Department of Agriculture and Consumer Services- Division of Plant Industry.

All plant material shall be planted, fertilized and mulched as per the plant details and planting specifications noted on the plans.

All container grown material shall be healthy, vigorous, well rooted plants, and established in the container in which they are delivered to the site. The plants shall have tops which are good quality and in a healthy growing condition. Established container grown plant material shall be grown in that container sufficiently long enough for the new fibrous roots to have developed enabling the root mass to retain it's shape when removed the container. Plants which have become root bound in the container are unacceptable.

All plant material that is not container grown shall be freshly dug, sound, healthy, vigorous, well branched, and free of disease and insect eggs and larvae, and shall have adequate root systems. Where any requirements are omitted from the plant list, the plants furnished shall be normal for the variety. Plants may be pruned prior to delivery only upon the approval of the Landscape Architect.

FERTILIZER

Two fertilizers shall be used on all types of plantings, except palms. Granular fertilizer shall be uniform in composition, dry and free flowing. This fertilizer shall be delivered to the site in the original unopened bags bearing the manufacturer's statement of analysis. Granular fertilizer shall be a controlled release variety meeting the following requirements: sixteen percent (16%) nitrogen, four percent (4%) phosphorus, eight percent (8%) potassium, plus iron. tablet fertilizer ("Agriform" or approved equal) in 21 gram size shall meet the following requirements: twenty percent (20%) nitrogen, ten percent (10%) phosphorus, five percent (5%) potassium.

Application Rates:

Plant size	16-4-8	"Agriform" tablet (21 grams)
1 gallon	1/4 lb.	1 tablet
3 gallon	1/3 lb.	2 tablets
7-15 gallon	1/2 lb.	4 tablets
1" - 6" caliper	2 lbs. per 1" caliper	2 tablets per 1" caliper
6" + caliper	3 lbs. per 1" caliper	2 tablets per 1" caliper

Sodded areas shall receive an application of the granular fertilizer (16-4-8) at a rate of 1/2 lb. of Nitrogen per 1,000 square feet of sod area.

"Palm Special" fertilizer shall be applied to all palms at installation at a rate of 1 1/2 lbs. per 100 square feet of canopy area. Palm fertilizer shall be a controlled release variety containing chelated micro nutrients and a ratio of N-P-K-Mg of 2:1:3:1.

SOIL

Planting soil for use in preparing the backfill material for planting pits shall be added a rate of fifty percent (50%) planting soil to fifty percent (50%) existing soil. This soil mix shall be used in all plant pits except Sabal Palms which shall be backfilled with clean sand. Planting soil shall be a fertile, friable natural topsoil of loamy character. It shall contain forty (40) to fifty (50) percent decomposed organic matter and be free of heavy clay, stones larger than 1" in diameter, noxious weeds and plants, sod, partially disintegrated debris, insects or any other undesirable material, plants or seeds that would be toxic or harmful to plant growth.

MULCH

All plant beds and tree watering basins shall be top dressed with three inches (3") of pine bark mini-nuggets mulch.

SOD

Refer to Landscape Plan for limits of sod.

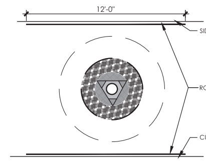
All areas disturbed by construction (including material staging, equipment storage, temporary facilities, site access, construction staff parking, etc.) beyond the minimum limits of sod as shown on the Landscape Plan shall be sodded as needed.

All lawn areas to receive sod shall be disked four (4) to six (6) inches and graded to establish a level finished grade ensuring positive drainage from all structures. All debris shall be removed from the site.

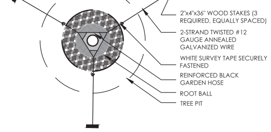
Sod shall be free of weeds and pests. It shall be laid evenly with tight fitting joints and rolled. The sod shall contain moist soil which does not fall apart or tear when lifted.

See plant list for specific sod species and locations.

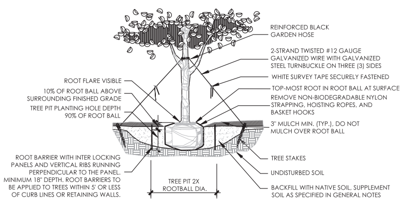
See 'Fertilizer' for requirements of all sodded areas.



ROOT BARRIER

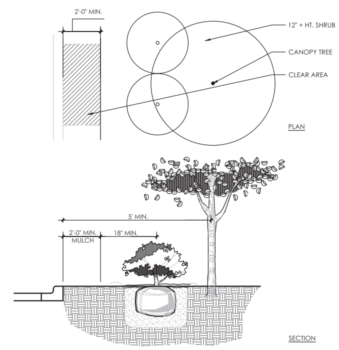


LARGE CANOPY TREE STAKING PLAN



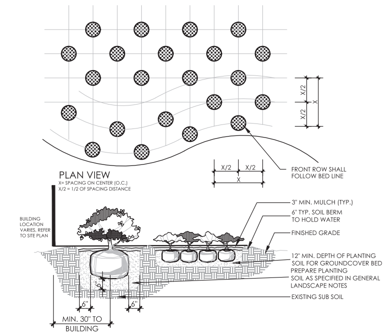
LARGE CANOPY TREE PLANTING DETAIL

N.T.S.



TYPICAL PLANTING ADJACENT TO PARKING

N.T.S.



SHRUB AND GROUNDCOVER PLANTING DETAIL

N.T.S.

NOTE: TREE SUPPORT MATERIALS SHALL BE REMOVED FROM EACH TREE ONCE IT IS ESTABLISHED. THIS IS USUALLY DONE AFTER 6 MONTHS FOR SHADE TREES AND 1 YEAR FOR PALM TREES.

Bdg

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Date: 2025.03.04 08:47:46-05'00'

Laurie A. Elder, RLA FL #LA6666680

SILVER SPRINGS SHORES MEDICAL OFFICE BUILDING

MARION COUNTY, FL

LANDSCAPE DETAILS & NOTES

revision	description	date
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drawn by: JD
checked by: SGW
date: 02/28/2025
plot scale: AS SHOWN
project number: 25HEMB065
file name: 2025.112_KW AH SILVER SPRINGS MOB_LSBASE.DWG

Filename : 2025.112_KW AH Silver Springs MOB_LSBASE.dwg Plot Date : Mar. 03, 2025 10:10am

IRRIGATION ZONES LAYOUT SCHEMATICS AND LAYOUTS BY IRRIGATION CONTRACTOR NOTES:

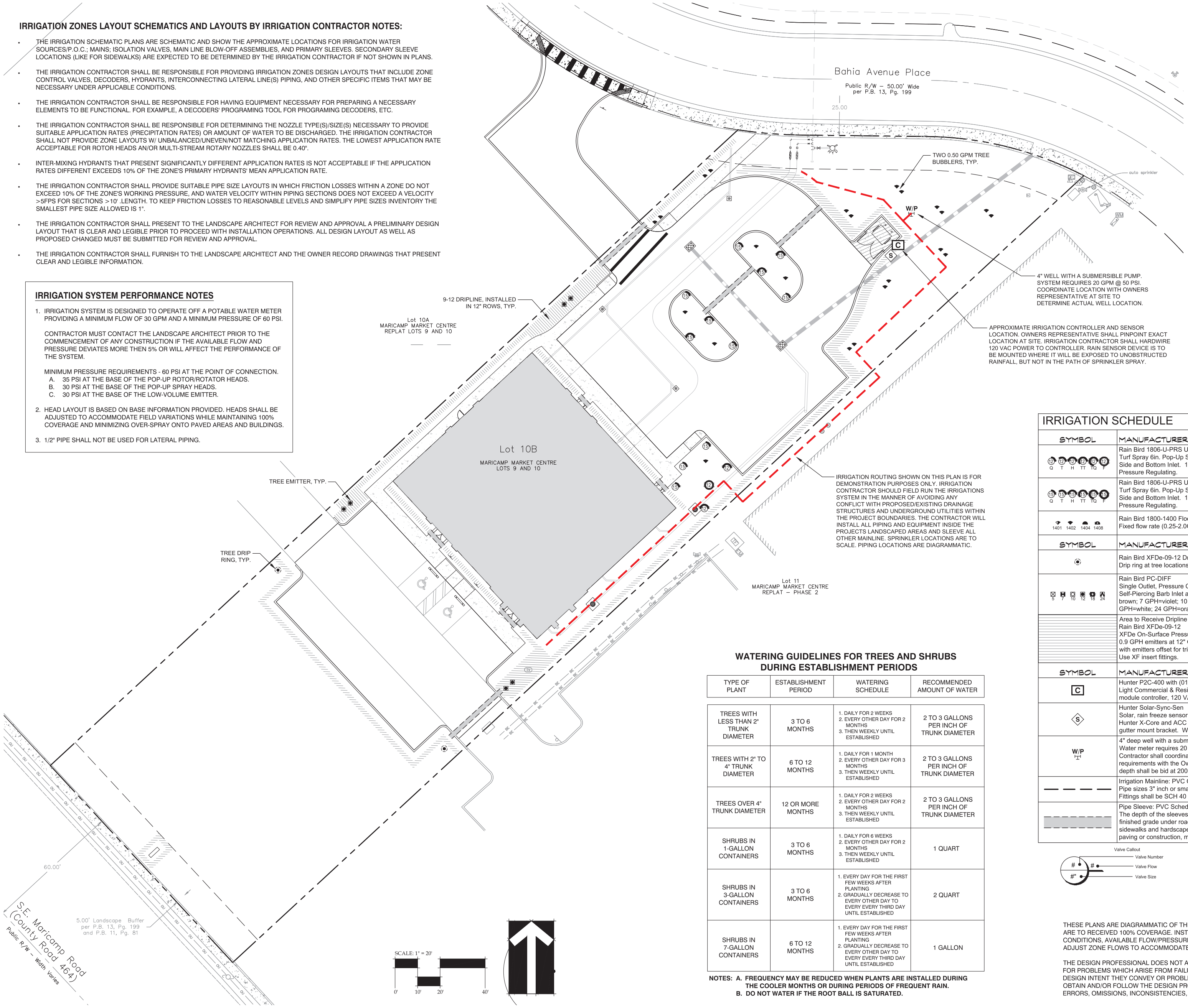
- THE IRRIGATION SCHEMATIC PLANS ARE SCHEMATIC AND SHOW THE APPROXIMATE LOCATIONS FOR IRRIGATION WATER SOURCES/P.O.C.; MAINS; ISOLATION VALVES, MAIN LINE BLOW-OFF ASSEMBLIES, AND PRIMARY SLEEVES. SECONDARY SLEEVE LOCATIONS (LIKE FOR SIDEWALKS) ARE EXPECTED TO BE DETERMINED BY THE IRRIGATION CONTRACTOR IF NOT SHOWN IN PLANS.
- THE IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING IRRIGATION ZONES DESIGN LAYOUTS THAT INCLUDE ZONE CONTROL VALVES, DECODERS, HYDRANTS, INTERCONNECTING LATERAL LINE(S) PIPING, AND OTHER SPECIFIC ITEMS THAT MAY BE NECESSARY UNDER APPLICABLE CONDITIONS.
- THE IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING EQUIPMENT NECESSARY FOR PREPARING A NECESSARY ELEMENTS TO BE FUNCTIONAL. FOR EXAMPLE, A DECODERS' PROGRAMING TOOL FOR PROGRAMING DECODERS, ETC.
- THE IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE NOZZLE TYPE(S)/SIZE(S) NECESSARY TO PROVIDE SUITABLE APPLICATION RATES (PRECIPITATION RATES) OR AMOUNT OF WATER TO BE DISCHARGED. THE IRRIGATION CONTRACTOR SHALL NOT PROVIDE ZONE LAYOUTS W/ UNBALANCED/UNEVEN/NOT MATCHING APPLICATION RATES. THE LOWEST APPLICATION RATE ACCEPTABLE FOR ROTOR HEADS AN/OR MULTI-STREAM ROTARY NOZZLES SHALL BE 0.40".
- INTER-MIXING HYDRANTS THAT PRESENT SIGNIFICANTLY DIFFERENT APPLICATION RATES IS NOT ACCEPTABLE IF THE APPLICATION RATES DIFFERENT EXCEEDS 10% OF THE ZONE'S PRIMARY HYDRANTS' MEAN APPLICATION RATE.
- THE IRRIGATION CONTRACTOR SHALL PROVIDE SUITABLE PIPE SIZE LAYOUTS IN WHICH FRICTION LOSSES WITHIN A ZONE DO NOT EXCEED 10% OF THE ZONE'S WORKING PRESSURE, AND WATER VELOCITY WITHIN PIPING SECTIONS DOES NOT EXCEED A VELOCITY >5FPS FOR SECTIONS >10' .LENGTH. TO KEEP FRICTION LOSSES TO REASONABLE LEVELS AND SIMPLIFY PIPE SIZES INVENTORY THE SMALLEST PIPE SIZE ALLOWED IS 1".
- THE IRRIGATION CONTRACTOR SHALL PRESENT TO THE LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL A PRELIMINARY DESIGN LAYOUT THAT IS CLEAR AND LEGIBLE PRIOR TO PROCEED WITH INSTALLATION OPERATIONS. ALL DESIGN LAYOUT AS WELL AS PROPOSED CHANGED MUST BE SUBMITTED FOR REVIEW AND APPROVAL.
- THE IRRIGATION CONTRACTOR SHALL FURNISH TO THE LANDSCAPE ARCHITECT AND THE OWNER RECORD DRAWINGS THAT PRESENT CLEAR AND LEGIBLE INFORMATION.

IRRIGATION SYSTEM PERFORMANCE NOTES

1. IRRIGATION SYSTEM IS DESIGNED TO OPERATE OFF A POTABLE WATER METER PROVIDING A MINIMUM FLOW OF 30 GPM AND A MINIMUM PRESSURE OF 60 PSI.

   CONTRACTOR MUST CONTACT THE LANDSCAPE ARCHITECT PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION IF THE AVAILABLE FLOW AND PRESSURE DEVIATES MORE THEN 5% OR WILL AFFECT THE PERFORMANCE OF THE SYSTEM.

   MINIMUM PRESSURE REQUIREMENTS - 60 PSI AT THE POINT OF CONNECTION.
   A. 35 PSI AT THE BASE OF THE POP-UP ROTOR/ROTATOR HEADS.
   B. 30 PSI AT THE BASE OF THE POP-UP SPRAY HEADS.
   C. 30 PSI AT THE BASE OF THE LOW-VOLUME EMITTER.
2. HEAD LAYOUT IS BASED ON BASE INFORMATION PROVIDED. HEADS SHALL BE ADJUSTED TO ACCOMMODATE FIELD VARIATIONS WHILE MAINTAINING 100% COVERAGE AND MINIMIZING OVER-SPRAY ONTO PAVED AREAS AND BUILDINGS.
3. 1/2" PIPE SHALL NOT BE USED FOR LATERAL PIPING.



WATERING GUIDELINES FOR TREES AND SHRUBS DURING ESTABLISHMENT PERIODS

TYPE OF PLANT	ESTABLISHMENT PERIOD	WATERING SCHEDULE	RECOMMENDED AMOUNT OF WATER
TREES WITH LESS THAN 2" TRUNK DIAMETER	3 TO 6 MONTHS	1. DAILY FOR 2 WEEKS 2. EVERY OTHER DAY FOR 2 MONTHS 3. THEN WEEKLY UNTIL ESTABLISHED	2 TO 3 GALLONS PER INCH OF TRUNK DIAMETER
TREES WITH 2" TO 4" TRUNK DIAMETER	6 TO 12 MONTHS	1. DAILY FOR 1 MONTH 2. EVERY OTHER DAY FOR 3 MONTHS 3. THEN WEEKLY UNTIL ESTABLISHED	2 TO 3 GALLONS PER INCH OF TRUNK DIAMETER
TREES OVER 4" TRUNK DIAMETER	12 OR MORE MONTHS	1. DAILY FOR 2 WEEKS 2. EVERY OTHER DAY FOR 2 MONTHS 3. THEN WEEKLY UNTIL ESTABLISHED	2 TO 3 GALLONS PER INCH OF TRUNK DIAMETER
SHRUBS IN 1-GALLON CONTAINERS	3 TO 6 MONTHS	1. DAILY FOR 6 WEEKS 2. EVERY OTHER DAY FOR 2 MONTHS 3. THEN WEEKLY UNTIL ESTABLISHED	1 QUART
SHRUBS IN 3-GALLON CONTAINERS	3 TO 6 MONTHS	1. EVERY DAY FOR THE FIRST FEW WEEKS AFTER PLANTING 2. GRADUALLY DECREASE TO EVERY OTHER DAY TO EVERY EVERY THIRD DAY UNTIL ESTABLISHED	2 QUART
SHRUBS IN 7-GALLON CONTAINERS	6 TO 12 MONTHS	1. EVERY DAY FOR THE FIRST FEW WEEKS AFTER PLANTING 2. GRADUALLY DECREASE TO EVERY OTHER DAY TO EVERY EVERY THIRD DAY UNTIL ESTABLISHED	1 GALLON

NOTES: A. FREQUENCY MAY BE REDUCED WHEN PLANTS ARE INSTALLED DURING THE COOLER MONTHS OR DURING PERIODS OF FREQUENT RAIN.
B. DO NOT WATER IF THE ROOT BALL IS SATURATED.

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Certificate of Authorization No.: 9230

REGISTERED LANDSCAPE ARCHITECT LAURIE ANN ELDER LA 6666680 STATE OF FLORIDA

This is has been electronically signed and sealed by Laurie A. Elder, FL#LA6666680 using a Digital Signature and date. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Digitally signed by Laurie A Elder
Date: 2025.03.04 08:47:47-05'00'

Laurie A. Elder, RLA FL #LA6666680

SILVER SPRINGS SHORES MEDICAL OFFICE BUILDING
MARION COUNTY, FL
IRRIGATION PLAN

IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI
12 (Q, T, H, TT, TQ, F)	Rain Bird 1806-U-PRS U12 Series Turf Spray 6in. Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2in. NPT Female Threaded Inlet. Pressure Regulating.	3	30
15 (Q, T, H, TT, TQ, F)	Rain Bird 1806-U-PRS U15 Series Turf Spray 6in. Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2in. NPT Female Threaded Inlet. Pressure Regulating.	11	30
1401 1402 1404 1408	Rain Bird 1800-1400 Flood 1401 Fixed flow rate (0.25-2.0GPM), full circle bubbler, 1/2" FIPT.	23	20
SYMBOL	**MANUFACTURER/MODEL/DESCRIPTION**	**QTY**	
	Rain Bird XFDe-09-12 Drip Ring Drip ring at tree locations per detail. 33' of drip line	2	
5 7 10 12 18 24	Rain Bird PC-DIFF Single Outlet, Pressure Compensating Drip Emitters with Self-Piercing Barb Inlet and Diffuser Cap. Flow rate: 5 GPH=light brown; 7 GPH=violet; 10 GPH=green; 12 GPH=dark brown; 18 GPH=white; 24 GPH=orange.	6	
	Area to Receive Dripline Rain Bird XFDe-09-12 XFDe On-Surface Pressure Compensating Landscape Dripline. 0.9 GPH emitters at 12" O.C. Dripline laterals spaced at 12" apart, with emitters offset for triangular pattern. UV & Kink Resistant. Use XF insert fittings.	2,616 lf	
SYMBOL	**MANUFACTURER/MODEL/DESCRIPTION**	**QTY**	
C	Hunter P2C-400 with (01) PCM-300 Light Commercial & Residential Controller, 7-station expanded module controller, 120 VAC, Outdoor/Indoor model	1	
S	Hunter Solar-Sync-Sen Solar, rain freeze sensor with outdoor interface, connects to Hunter X-Core and ACC Controllers, install as noted. Includes gutter mount bracket. Wired. Module not included.	1	
W/P	4" deep well with a submersible pump - 20 GPM @ 50 PSI Water meter requires 20 GPM @ 50 PSI. Irrigation contractor The Contractor shall coordinate the location and all power requirements with the Owner or General Contractor. The well depth shall be bid at 200 feet with a + or - price per lineal feet.	1	
	Irrigation Mainline: PVC Class 200 SDR 21 Pipe sizes 3" inch or smaller shall have bell and socket joints. Fittings shall be SCH 40 and molded. Install 18" below grade.	358.2 lf	
	Pipe Sleeve: PVC Schedule 40 The depth of the sleeves shall be a minimum 30" cover from finished grade under roadway crossings and 24" under all sidewalks and hardscapes. Extend sleeves 18" beyond edges of paving or construction, mark both ends with a 3" "V" in pavement.	143.4 lf	

Valve Callout
Valve Number
Valve Flow
Valve Size

THESE PLANS ARE DIAGRAMMATIC OF THE WORK TO BE PERFORMED. ALL LANDSCAPED AREAS ARE TO RECEIVED 100% COVERAGE. INSTALL THIS IRRIGATION SYSTEM PER THE SITE CONDITIONS, AVAILABLE FLOW/PRESSURE AND MANUFACTURERS RECOMMENDATIONS. ADJUST ZONE FLOWS TO ACCOMMODATE THE AVAILABLE MAINLINE FLOWS AND PRESSURES.

THE DESIGN PROFESSIONAL DOES NOT ACCEPT ANY/ALL RESPONSIBILITY AND/OR LIABILITY FOR PROBLEMS WHICH ARISE FROM FAILURE TO FOLLOW THESE PLANS, SPECIFICATIONS AND DESIGN INTENT THEY CONVEY OR PROBLEMS WHICH ARISE FROM OTHERS' FAILURE TO OBTAIN AND/OR FOLLOW THE DESIGN PROFESSIONALS GUIDANCE WITH RESPECT TO ANY ERRORS, OMISSIONS, INCONSISTENCIES, AMBIGUITIES OR CONFLICTS WHICH ARE ALLEGED.

revision	description	date
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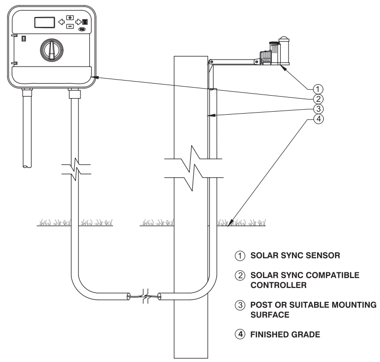
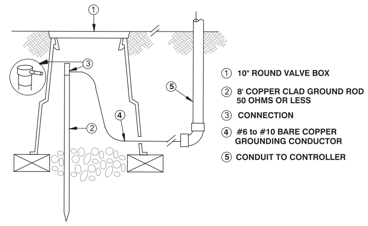
drawn by:	JD
checked by:	SGW
date:	02/28/2025
plot scale:	AS SHOWN
project number:	25HEMB065
file name:	2025.112_KW AH SILVER SPRINGS MOB_IRBASE.DWG

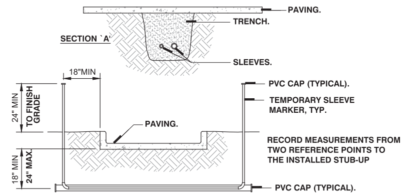
L500



SOLAR SYNC WITH WALL MOUNT CONTROLLER



CONTROLLER GROUNDING



NOTES
1. IRRIGATION SLEEVES SHALL BE CLASS 200 PIPE FOR 4" AND LARGER AND SCHEDULE 40 PVC FOR 3" AND SMALLER.
2. ALL JOINTS TO BE SOLVENT WELDED AND WATERTIGHT.
3. WHERE THERE IS MORE THAN ONE SLEEVE, EXTEND THE SMALLER SLEEVE TO 24-INCHES MINIMUM ABOVE FINISH GRADE AND MARK ALL SLEEVE LOCATIONS. REMOVE EXTENSION WHEN SLEEVE IS UTILIZED.
4. MECHANICALLY TAMP TO 95% PROCTOR.
5. SLEEVE SHALL BE TWO (2) TIMES DIAMETER OF NOMINAL SIZE OF PIPE WITHIN SLEEVE.

IRRIGATION SLEEVE DETAIL

BONNETT design group, llc
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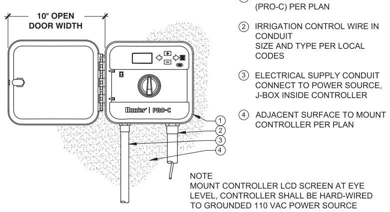
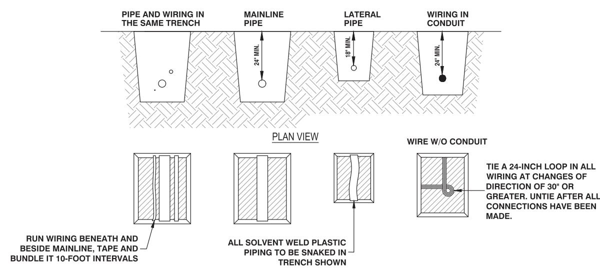
GENERAL IRRIGATION NOTES

1. ALL MAINLINES TO HAVE A MINIMUM OF 18" OF COVER. (CLASS 200 PVC PIPE).
2. ALL LATERAL AND SUB-MAIN PIPE TO HAVE A MINIMUM OF 12" OF COVER (CLASS 200 PVC PIPE).
3. NO ROCKS, BOULDER, OR OTHER EXTRANEOUS MATERIALS TO BE USED IN BACKFILLING OF TRENCH.
4. ALL PIPE TO BE INSTALLED AS PER MANUFACTURERS' SPECIFICATIONS.
5. ALL THREADED JOINTS TO BE COATED WITH TEFLON TAPE OR LIQUID TEFLON.
6. ALL LINES TO BE THOROUGHLY FLUSHED BEFORE INSTALLATION OF SPRINKLER HEADS.
7. SPRINKLER AND RELATED EQUIPMENT TO BE INSTALLED AS PER DETAILS.
8. ALL ELECTRICAL JOINTS TO BE MADE USING WATERPROOF CONNECTIONS AS SHOWN ON DETAILS.
9. ALL EQUIPMENT NOT SPECIFIED IN THE LEGEND SHALL BE DETERMINED AND FURNISHED BY THE CONTRACTOR.
10. NO ELECTRICAL CONNECTIONS SHALL BE MADE IN THE FIELD EXCEPT AT A VALVE CONTROL BOX OR ANOTHER VALVE BOX SPECIFICALLY FOR CONNECTIONS.
11. ANY DISCREPANCY BETWEEN THIS SHEET AND OTHERS IN THIS SET MUST BE REFERRED TO THE IRRIGATION CONSULTANT BY THE CONTRACTOR FOR CLARIFICATION BEFORE PRECEDING WITH THE WORK.
12. ALL 24 VOLT WIRE SHALL BE #12 UF/UL FOR COMMON WIRE, AND #14 UF/UL FOR CONTROL WIRES, DIRECT BURIAL, SOLID COPPER.
13. CONTRACTOR TO BE RESPONSIBLE FOR PROPER COVERAGE OF AREAS TO BE WATERED. i.e ADJUST HEADS WITH INSUFFICIENT COVERAGE DUE TO BLOCKAGE BY EXISTING OR PROPOSED SITE FEATURES.
14. CONTRACTOR TO REFER TO LANDSCAPE PLAN TO KEEP SPRINKLER EQUIPMENT AND ACCESSORY MATERIAL FROM INTERFERING WITH PROPER PLANTING, i.e VERIFY ROOT BALL SIZE FOR PLANTING
15. CONTRACTOR SHALL PROVIDE EXPANSION COILS AT EACH WIRE CONNECTION IN A VALVE BOX (WRAP AROUND 3/4" PIPE 12 TIMES.
16. SPRINKLERS IN LOW-LYING AREAS SHALL HAVE CHECK VALVES
17. ALL SPRINKLERS TO BE MOUNTED ON FLEX PIPE - REFER TO DETAILS.
18. INSTALL DRIP LINE TUBING AND NON-PRESSURE LATERAL LEAD LINE PIPING IN LANDSCAPE AREAS AND ADJACENT TO SELECTED PLANT MATERIAL AS SHOWN IN DETAILS.
19. CONTRACTOR SHALL UTILIZE VALVE I.D. TAGS ON ALL REMOTE CONTROL VALVES.
20. 24 VOLT WIRE SHALL BE COLOR CODE; COMMON-WHITE, CONTROL-RED.
21. CONTRACTOR SHALL INSTALL MANUFACTURERS' RECOMMENDED GROUNDING EQUIPMENT FOR POWER SUPPLY AND VALVE OUTPUT WITH (2) 5/8" COPPER CLAD GROUND RODS.
22. CONTRACTOR SHALL INSTALL MANUFACTURERS' RECOMMENDATION ON FAULT GROUND AND LIGHTNING PROTECTION.
23. CONTROLLER GROUNDING MUST BE PER ASIC REQUIREMENTS.
24. SYSTEM IS DIAGRAMMATIC TO IMPROVE CLARITY. ALL MAINLINE PIPING, ELECTRIC VALVES AND WIRING ARE TO BE INSTALLED IN LANDSCAPED AREAS AND REFERENCE THE LANDSCAPE PLAN PRIOR TO THE INSTALLATION OF PIPING TO AVOID CONTACT WITH PLANT MATERIALS EXISTING OR NEW.
25. CONTRACTOR SHALL INSTALL SPRINKLER EQUIPMENT 18" FROM FOUNDATIONS, ALSO INSTALL SPRINKLERS 4" FROM CURBS OR WALKS.
26. PRIOR TO BID IRRIGATION CONTRACTOR SHALL VERIFY RIGHT-OF-WAY AND BACKFLOW REQUIREMENTS NO LATER THAN FIVE DAYS BEFORE BID SUBMITTALS. CONTRACTOR SHALL NOTIFY CONSULTANT OF ANY CHANGES FROM PLANS OR SPECIFICATIONS.
27. IRRIGATION CONTRACTOR SHALL PROVIDE THE OWNER AND LANDSCAPE ARCHITECT WITH A REPRODUCIBLE AS-BUILT DRAWING OF THE INSTALLED IRRIGATION SYSTEM IN A PDF FILE FORMAT BEFORE FINAL ACCEPTANCE. PROVIDE CROSS-MEASURED LOCATIONS OF ALL VALVE LOCATIONS, CONTROLLER, WATER SOURCE, WIRE SPLICES, SLEEVE LOCATIONS, ETC.
28. A 1-YEAR WARRANTY PERIOD SHALL BE PROVIDED FOR SYSTEM AFTER SUBSTANTIAL COMPLETION IS ACCEPTED. START UP AND ADJUSTING OF SYSTEM IN SPRING TIME SHALL BE INCLUDED IN WARRANTY.
29. PRIOR TO BID, CONTRACTOR SHALL VERIFY THAT ALL MATERIAL, INSTALLATION PARAMETERS AND OPERATIONS CONFORM TO ALL APPLICABLE CODES AND ORDINANCES NO LATER THAN FIVE DAYS BEFORE BID SUBMITTALS. CONTRACTOR SHALL NOTIFY IRRIGATION CONSULTANT/DESIGNER OF ANY CHANGES REQUIRED DUE TO CURRENT CODE OR ORDINANCE DISCREPANCIES. IF CONTRACTOR DOES NOT COMPLY TO THIS NOTIFICATION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NECESSARY INSTALLATION CHANGE AND REDESIGN COSTS FOR NON-COMPLIANCE.
30. UNLESS OTHERWISE NOTED, THE CONTRACTOR MUST COMPLETE TWO PRESSURE TESTS OF THE IRRIGATION SYSTEM MAINLINE(BOTH TO SHOW NO DROP IN PRESSURE DURING DURATION OF THE TEST).
   A. 2-HOUR PRESSURE TEST AT 1.5 TIMES THE SYSTEM STATIC PRESSURE
   B. 24-HOUR PRESSURE TEST AT THE SYSTEM STATIC PRESSURE
34. IRRIGATION INSTALLATION CONTRACTOR SHALL PROVIDE THE OWNER WITH A COLOR-CODED ZONE DIAGRAM PLAN, 8-1/2"X11" LAMINATED SHEET(S) WITH AN ELECTRONIC FILE COPY TO IDENTIFY CONTROLLER STATION TO THE CONTROL VALVE NUMBER FOR EACH CONTROLLER. THE LAMINATED CHART IS TO BE LOCATED IN AN ADHESIVE POUCH ATTACHED TO THE INSIDE OF CONTROLLER(S).
35. THE CONTROLLER(S) SHALL SCHEDULE PROGRAM "A" TO A REGULAR RUN-TIME SETTINGS FOR AFTER THE ESTABLISHMENT PERIOD OF THE PLANT MATERIAL. PROGRAM "B" SHALL BE USED DURING THE ESTABLISHMENT PERIOD AND TURNED OFF AFTER THE 30-60 DAYS OF PLANT INSTALLATION.
36. THE IRRIGATION CONTRACTOR WILL READ ALL SPECIFICATIONS AND REVIEW ALL DETAILS AND EXAMINE THESE PLANS CAREFULLY PRIOR TO BIDDING THIS PROJECT. FAILURE TO READ THIS INFORMATION IS NOT AN ACCEPTABLE REASON IF THE JOB IS UNDERBID.
37. THE PLAN MAY NOT INCLUDE ALL MATERIALS. THIS DOESN'T RELIEVE THE CONTRACTOR FROM BEING RESPONSIBLE TO PROVIDE A COMPLETE SYSTEM IN PERFECT WORKING ORDER.



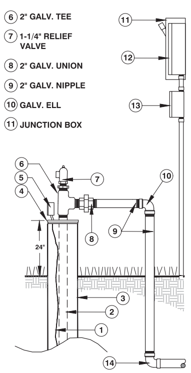
PRO-C WALL MOUNT



NOTES:
1. ALL LATERAL LINES SHALL BE SCH 200 PVC PIPE. ALL MAIN LINE SHALL BE SCH 40 PIPE.
2. SLEEVES BELOW ALL HARDSCAPE ELEMENTS SHALL BE SCH 40 PVC AND SHALL BE TWICE THE DIAMETER OF THE PIPE OR WIRE BUNDLE WITHIN.
3. ALL LATERAL LINE SHALL BE BURIED NO LESS THAN 18". ALL MAIN LINES AND ELECTRICAL LINES SHALL BE NO LESS THAN 24".

PIPE AND WIRE TRENCHING

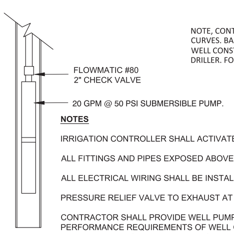
1 CABLE TO PUMP
2 2" GALV. DROP PIPE
3 4" WELL CASING
4 4" WELL SEAL
5 ELECTRONIC BELL BOX
6 2" GALV. TEE
7 1-1/4" RELIEF VALVE
8 2" GALV. UNION
9 2" GALV. NIPPLE
10 GALV. ELL
11 JUNCTION BOX
12 FRANKLIN MOTOR CONTROL BOX
13 PUMP START RELAY
14 SxT PVC ELL



WELL DISCHARGE DETAIL

NOTE: ALL IRRIGATION SCHEDULE INFORMATION IS SUBJECT TO A WATER USE PERMIT WHICH IS TO BE PROCURED BY THE CONTRACTOR AND OWNER.

NOTE, CONTRACTOR SHALL PROVIDE WELL PUMP PERFORMANCE CURVES. BASED UPON DESIGN PERFORMANCE REQUIREMENTS OF WELL CONSTRUCTION/PRODUCTION REPORT COMPLETED BY WELL DRILLER. FOR REVIEW* APPROVAL BY LANDSCAPE ARCHITECT.



NOTES

IRRIGATION CONTROLLER SHALL ACTIVATE THE PUMP BY WAY OF A PUMP START RELAY.

ALL FITTINGS AND PIPES EXPOSED ABOVE GRADE SHALL BE GALVANIZED SCH. 40 STEEL.

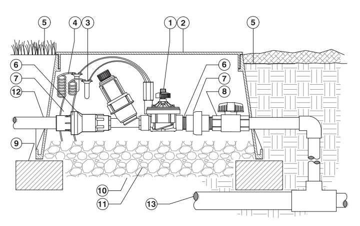
ALL ELECTRICAL WIRING SHALL BE INSTALLED IN CONDUIT TO MEET LOCAL ELECTRICAL CODES.

PRESSURE RELIEF VALVE TO EXHAUST AT 75 PSI.

CONTRACTOR SHALL PROVIDE WELL PUMP PERFORMANCE CURVES. BASED UPON DESIGN PERFORMANCE REQUIREMENTS OF WELL CONSTRUCTION/PRODUCTION REPORT COMPLETED BY WELL DRILLER. FOR REVIEW* APPROVAL BY LANDSCAPE ARCHITECT.

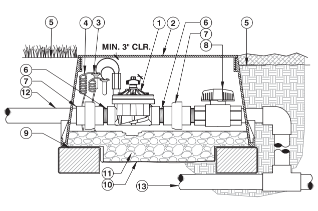
PRIOR TO DRILLING THE WELL, THE WELL CONTRACTOR MUST DISCUSS THE ANTICIPATED DEPTH OF THE WELL AND WTER QUALITY WITH THE LANDSCAPE ARCHITECT. THE POTENTIAL FOR WELL WATER HIGH IN IRON CONTENT THAT RESULTS IN STAINING MUST BE MINIMIZED.

SUBMERSIBLE PUMP DETAIL



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

DRIP CONTROL KIT (ICZ-101-LF) WITH UNIONS AND ISOLATION VALVE



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

ELECTRIC REMOTE CONTROL VALVE

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Certificate of Authorization No.: 9230

REGISTERED LANDSCAPE ARCHITECT LAURIE ANN ELDER LA 6666680 STATE OF FLORIDA

This is has been electronically signed and sealed by Laurie A. Elder, FL#LA6666680 using a Digital Signature and date. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

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Date: 2025.03.04 08:47:48-05'00'

Laurie A. Elder, RLA FL #LA6666680

SILVER SPRINGS SHORES MEDICAL OFFICE BUILDING

MARION COUNTY, FL

IRRIGATION NOTES & DETAILS

revision	description	date
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drawn by: JD
checked by: SGW
date: 02/28/2025
plot scale: AS SHOWN
project number: 25HEMB065
file name: 2025.112_KW AH SILVER SPRINGS MOB_IRBASE.DWG

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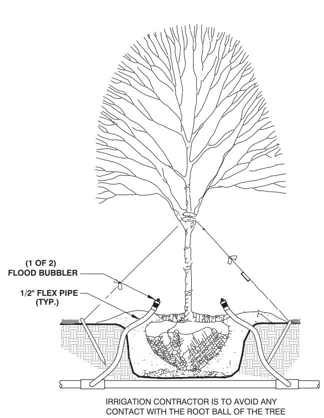
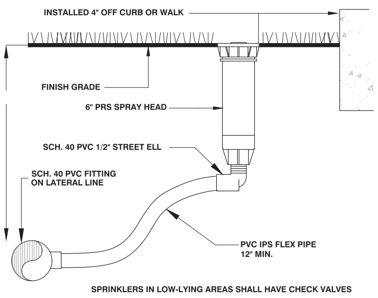
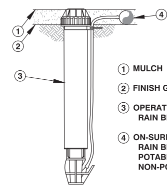


TREE BUBBLER DETAIL



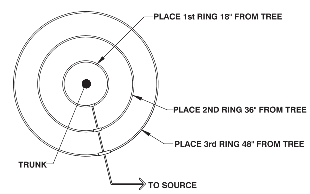
6" POP-UP SPRAY HEAD DETAIL



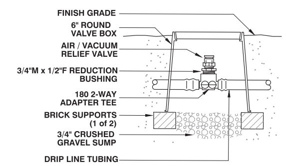
1. MULCH
2. FINISH GRADE
3. OPERATION INDICATOR
   RAIN BIRD MODEL: OPERIND
4. ON-SURFACE DRIPLINE:
   RAIN BIRD XF SERIES DRIPLINE
   POTABLE: XFD SERIES
   NON-POTABLE: XFDP SERIES

NOTE:
1. INSERT BARB TRANSFER FITTING DIRECTLY INTO DRIPLINE TUBING.
2. VAN NOZZLE MAY BE SET TO CLOSED, OR IF IT IS DESIRED TO SEE SPRAY FROM THE NOZZLE, SET THE ARC TO 1/4 PATTERN.

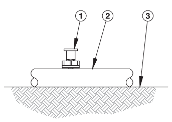
ON-SURFACE DRIPLINE OPERATIONAL INDICATOR



TREE RING DETAIL



AIR/VACUUM RELIEF VALVE

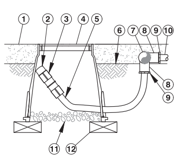


1. PRESSURE-COMPENSATING MODULE
   BARB INLET X BARB OUTLET EMITTER
   WITH PC DIFFUSER CAP: RAIN BIRD PC
   EMITTER WITH PC DIFFUSER
2. 1/2" POLYETHYLENE TUBING:
   RAIN BIRD XF SERIES TUBING OR
   RAIN BIRD XT-700 XERI-TUBE OR
   RAIN BIRD XBS BLACK STRIPE TUBING
3. FINISH GRADE

NOTES:
1. USE RAIN BIRD XERIMAN TOOL XM-TOOL TO INSERT EMITTER DIRECTLY INTO 1/2" POLYETHYLENE TUBING.
2. RAIN BIRD PC BARB X BARB EMITTERS ARE AVAILABLE IN THE FOLLOWING MODELS:
   PC-05 5 GPH PC-07 7 GPH PC-10 10 GPH PC-12 12 GPH
   PC-18 18 GPH PC-24 24 GPH
3. PC DIFFUSER CAPS ARE AVAILABLE IN BOTH BLACK AND PURPLE.

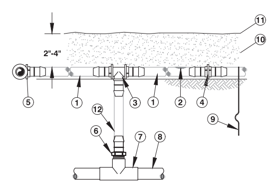
PRESSURE-COMPENSATING MODULE WITH PC DIFFUSER CAP INTO 1/2-INCH TUBING

ALLOW A MINIMUM OF 6-INCHES OF DRIPLINE TUBING IN VALVE BOX IN ORDER TO DIRECT FLUSHED WATER OUTSIDE VALVE BOX.



1. TOP OF MULCH LAYER
2. FLUSH CAP FOR EASY FIT COMPRESSION FITTINGS:
   POTABLE:RAIN BIRD MDCFCAP
   NON-POTABLE: RAIN BIRD MDCFPCAP
3. EASY FIT COUPLING:
   RAIN BIRD MDCFCOUP
4. SUBTERRANEAN EMITTER BOX:
   RAIN BIRD SEB 7XB
5. RAIN BIRD XF BLANK TUBING
6. FINISH GRADE
7. PVC EXHAUST HEADER
8. PVC SCH 40 TEE OR EL
9. BARB X MALE FITTING:
   RAIN BIRD XFF-MA FITTING (TYPICAL)
10. ON-SURFACE DRIPLINE:
11. 3-INCH MINIMUM DEPTH OF 3/4" WASHED GRAVEL
12. BRICK (1 OF 2)

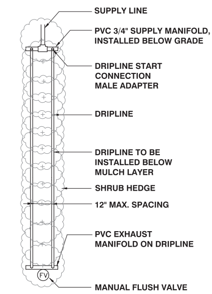
XFD ON-SURFACE DRIPLINE FLUSH POINT



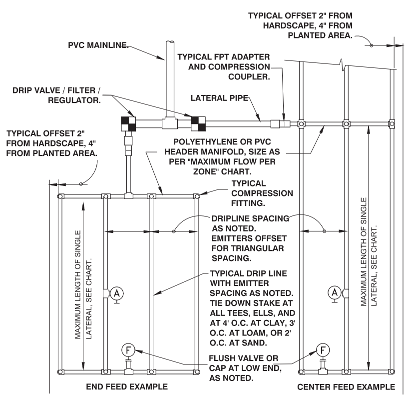
NOTES:
1. PLACE TIE DOWN STAKES EVERY THREE FEET IN SAND, FOUR FEET IN LOAM, AND FIVE FEET IN CLAY.
2. AT FITTINGS WHERE THERE IS A CHANGE OF DIRECTION SUCH AS TEES OR ELBOWS, USE TIE-DOWN STAKES ON EACH LEG OF THE CHANGE OF DIRECTION.

1. ON-SURFACE DRIPLINE:
2. INLINE DRIP EMITTER OUTLET, SEE PLANS FOR DRIPLINE OUTLET SPACING.
3. BARB TEE 17x17x17mm
   RAIN BIRD XFF-TEE
4. BARB COUPLING 17x17mm
   RAIN BIRD XFF-COUP
5. BARB ELBOW 17x17mm
   RAIN BIRD XFF-ELBOW
6. BARB MALE ADAPTER
   17mm X 1/2" MPT RAIN BIRD XFF-MA-050
   17mm X 3/4" MPT RAIN BIRD XFF-MA-075
7. PVC TEE SxSxT
8. PVC LATERAL SUPPLY HEADER
9. TIE DOWN STAKE:
   RAIN BIRD TDS-050 WITH BEND (TYP)
10. MULCH
11. FINISH GRADE
12. RAIN BIRD XF SERIES BLANK TUBING LENGTH AS REQUIRED

XFD ON-SURFACE DRIPLINE RISER ASSEMBLY



SHRUB DRIP LAYOUT



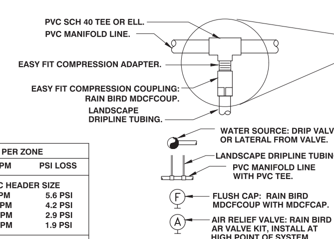
MAXIMUM LATERAL LENGTH (FEET)						
	EMITTER FLOW RATE GPH					
	12" SPACING		18" SPACING		24" SPACING	
PSI	0.6	0.9	0.6	0.9	0.6	0.9
10	125	96	175	135	218	171
20	249	191	350	171	442	340
30	307	236	434	333	550	422
40	350	268	495	380	627	171
50	125	96	175	135	218	171
60	125	96	175	135	218	171

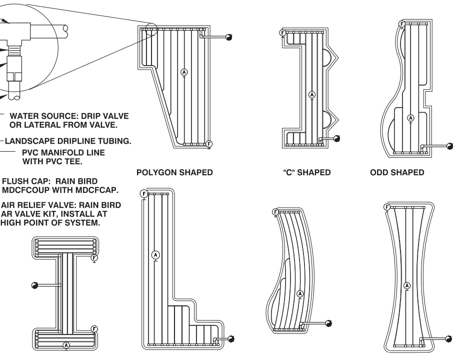
GRID PRECIPITATION RATES (IN/HR)			
EMITTER SPACING	LATERAL SPACING	EMITTER FLOW RATE	
		0.6	0.9
12	12	0.96	1.44
18	18	0.69	1.03
24	24	0.28	0.41

LATERAL FLOW PER 100 FT (GPM)			
EMITTER FLOW	12" SPACING	18" SPACING	24" SPACING
0.6 GPH	1.0 GPM	0.67 GPM	0.50 GPM
0.9 GPH	1.5 GPM	1.0 GPM	0.75 GPM

MAXIMUM FLOW PER ZONE		
	MAX GPM	PSI LOSS
SCHEDULE 40 PVC HEADER SIZE		
3/4"	8.3 GPM	5.6 PSI
1"	13.5 GPM	4.2 PSI
1-1/2"	33.9 GPM	2.9 PSI
2"	52.4 GPM	1.9 PSI
POLY PIPE HEADER SIZEI		
3/4"	8.3 GPM	6.3 PSI
1"	13.5 GPM	4.8 PSI
1-1/2"	31.8 GPM	2.9 PSI
2"	52.4 GPM	2.2 PSI

SLOPED CONDITION NOTE:
1. DRIPLINE LATERALS SHOULD FOLLOW THE CONTOURS OF THE SLOPE WHEREVER POSSIBLE.
2. INSTALL AIR RELIEF VALVE AT THE HIGHEST POINT.
3. NORMAL SPACING WITHIN 2/3 OF SLOPE.
4. INSTALL DRIPLINE AT 25% GREATER SPACING AT THE BOTTOM 1/3 OF THE SLOPE.
5. WHEN ELEVATION CHANGE IS 10 FT OR MORE, ZONE THE BOTTOM 1/3 ON A SEPARATE VALVE





TYPICAL DRIPLINE REQUIREMENTS

DRIP TUBING NOTES

1. INSTALL DRIP TUBING AT GRADE AND COVER WITH MULCH. TYPICAL SPACING FOR DRIP TUBING IS 12" TO 18" ON CENTER. SPACING TO BE DETERMINED BY PLANT LAYOUT. REFER TO LANDSCAPE PLAN. ANCHOR TUBING EVERY 10' WITH 12" LONG PLASTIC TUBING STAKES. INSTALL FLUSH VALVE ASSEMBLIES AT ALL TUBING "DEAD ENDS". INSTALL AIR/VACUUM RELIEF VALVES AT "HIGH POINTS" OF EVERY SECTION.
2. GRID LAYOUT SHALL BE USED ON THIS PROJECT. USE CENTER GRID LAYOUT WHERE POSSIBLE.
3. WHEN SLEEVING DRIPLINE, USE BLANK DRIPLINE IN SLEEVE. SLEEVE SHALL BE 2X DRIPLINE DIAMETER. NO EMITTER DRIPLINE SHALL BE PLACED IN SLEEVE.
4. THE LENGTH OF ANY DRIPLINE LATERAL SHALL NOT BE LONGER THAN:
   12" EMITTERS @ 0.9 GPH
   a) @ 15 PSI = 155 FEET
   b) @ 20 PSI = 169 FEET
   c) @ 30 PSI = 230 FEET
   d) @ 40 PSI = 255 FEET
   LATERAL DISTANCE DOUBLED WHEN CENTER FEED LAYOUT USED (SEE CENTER FEED LAYOUT DETAIL.
5. MANUAL FLUSH VALVE SHALL BE USED & PLACED WITH A 6" X 6" SUMP. VALVES SHALL BE OPENED EVERY WATERING DAY FOR 2 WEEKS AND THEN A MINIMUM OF 2 TIMES A YEAR TO CLEAR DRIPLINE OF DEBRIS.
6. AIR/VACUUM RELIEF SHALL BE INSTALLED WHEN THE CHANGE IN SLOPE OCCURS 3% OR GREATER.
7. STAPLES SHALL BE USED AT 5' O.C. AND 2 STAPLES 'X'ED OVER EACH OTHER WITH ANY CHANGE IN DIRECTION, ELBOWS, OR CROSSES.
8. SUPPLY, EXHAUST HEADERS AND DRIPLINE SHALL BE PLACED 2"- 4" FROM PLANTS AND PAVEMENT EDGES.
9. BLANK DRIPLINE SHALL BE USED FOR ALL SUPPLY AND EXHAUST HEADERS, UNLESS OTHERWISE NOTED ON PLANS.
10. PRIOR TO COVERING DRIPLINE, DRIPLINE CIRCUIT WILL BE PRESSURIZED AND TESTED FOR PROPER OPERATION.
11. DRIP LINE LATERALS SHALL BE LAID IN THE LONGEST RUN, WHETHER IT BE THE WIDTH OR LENGTH OF THE ZONE.

BONNETT design group, llc
landscape architecture
community planning
FL LA #0001718

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407.622.1588
BDG Proj. 2025.112

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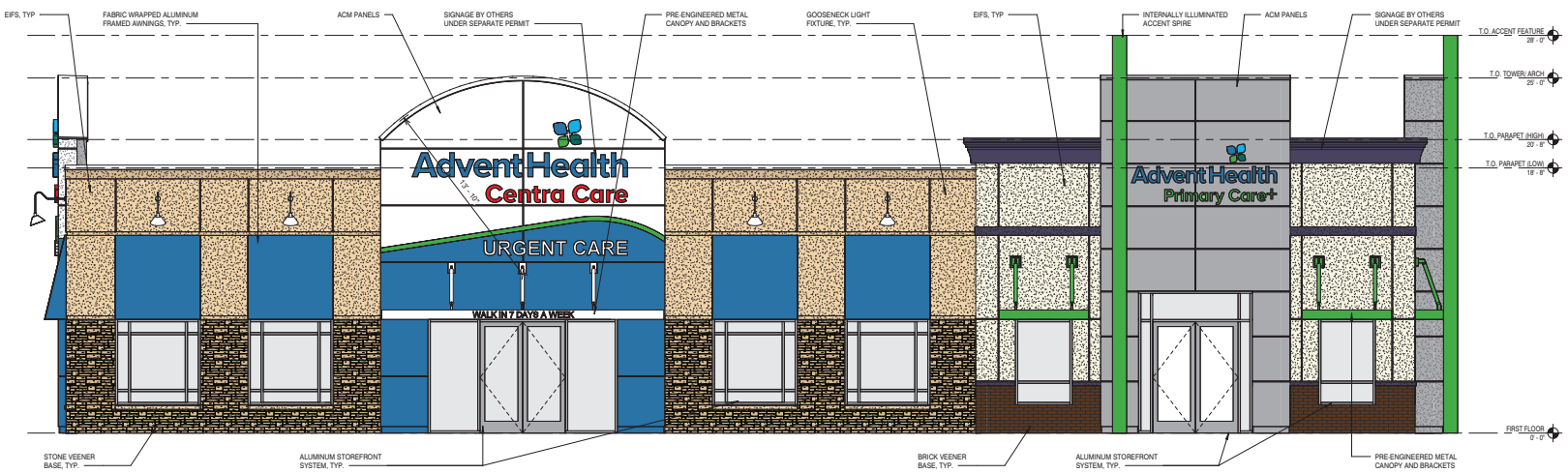
Laurie A. Elder, RLA FL #LA6666680

SILVER SPRINGS SHORES
MEDICAL OFFICE BUILDING
MARION COUNTY, FL
IRRIGATION NOTES & DETAILS

revision	description	date
△		
△		
△		
△		
△		
△		

drawn by: JD
checked by: SGW
date: 02/28/2025
plot scale: AS SHOWN
project number: 25HEMB065
file name: 2025.112_KW AH SILVER SPRINGS MOB_IRBASE.DWG

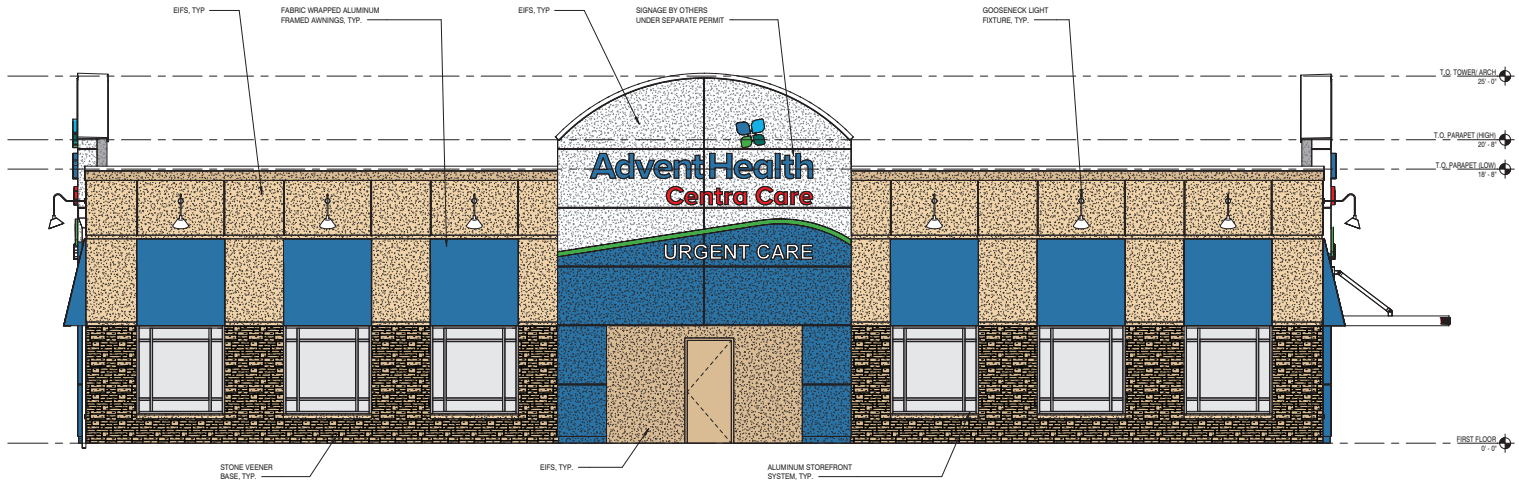
L511



NORTH ELEVATION

SCALE : 1/4" = 1'-0"

1



EAST ELEVATION

SCALE : 1/4" = 1'-0"

2

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SEAL

PROJECT INFORMATION

PROJECT:

SILVER SPRINGS SHORES MEDICAL OFFICE BUILDING

PROJECT ADDRESS:

MARION COUNTY, FL

PROJECT NO.: 250001

ACTIVE DESIGN PHASE

- ☐ FOR REVIEW ONLY
- ■ FOR PERMITTING
- ☐ SCHEMATIC DESIGN
- ☐ DESIGN DEVELOPMENT
- ■ CONSTRUCTION BIDDING
- ■ CONSTRUCTION DOCUMENTS
- ☐ AS-BUILT RECORD SET

REVISION INFORMATION

NO.	DATE	DESCRIPTION

KEY PLAN

SHEET INFORMATION

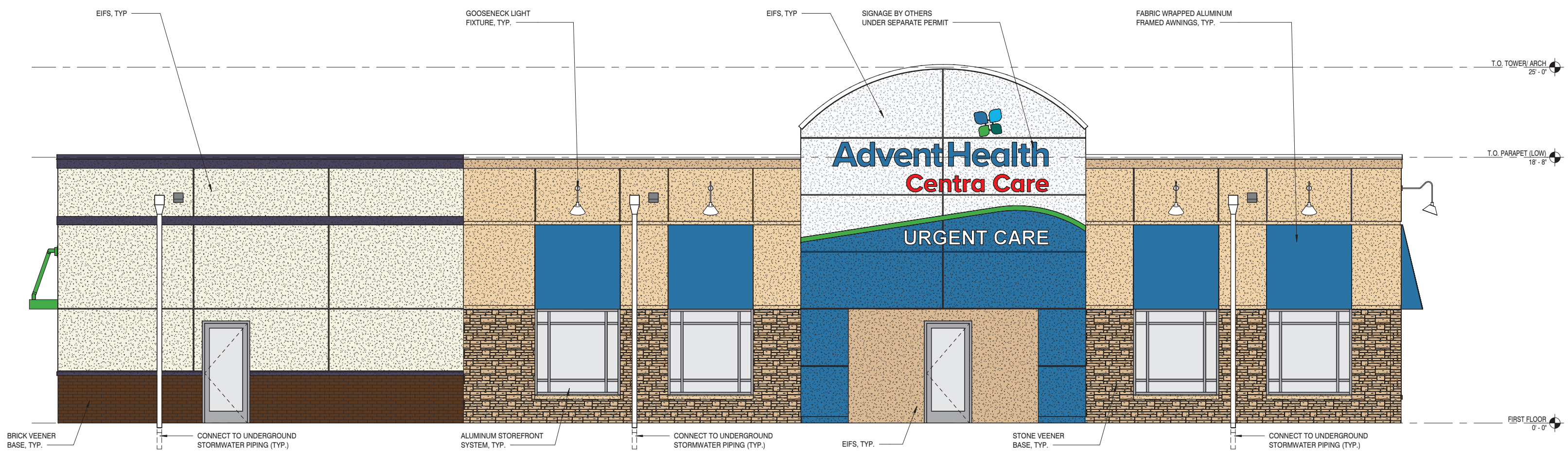
SHEET ISSUED:	02/27/2025
DESIGNED BY:	KT
DRAWN BY:	LA
REVIEWED BY:	SDM

SHEET TITLE:

NOTED EXTERIOR ELEVATIONS

SHEET NO.:

A401



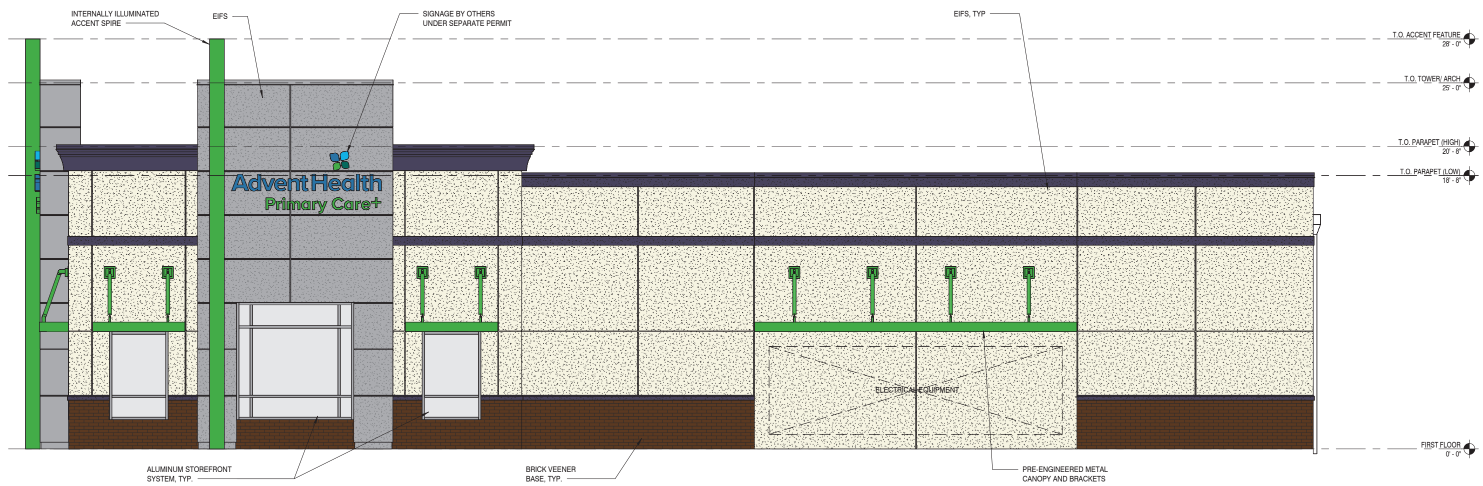
SOUTH ELEVATION

SCALE : 1/4" = 1'-0"

1

Scott Malenock

Digitally signed by Scott Malenock
Date: 2025.03.04 12:23:19 -05'00'



WEST ELEVATION

SCALE : 1/4" = 1'-0"

2

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PROJECT INFORMATION

PROJECT:

SILVER SPRINGS SHORES MEDICAL OFFICE BUILDING

PROJECT ADDRESS:

MARION COUNTY, FL

PROJECT NO.: 250001

ACTIVE DESIGN PHASE

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- ■ CONSTRUCTION DOCUMENTS
- ☐ AS-BUILT RECORD SET

REVISION INFORMATION

NO.	DATE	DESCRIPTION

KEY PLAN

SHEET INFORMATION

SHEET ISSUED:	02/27/2025
DESIGNED BY:	KT
DRAWN BY:	LA
REVIEWED BY:	SDM

SHEET TITLE:

NOTED EXTERIOR ELEVATIONS

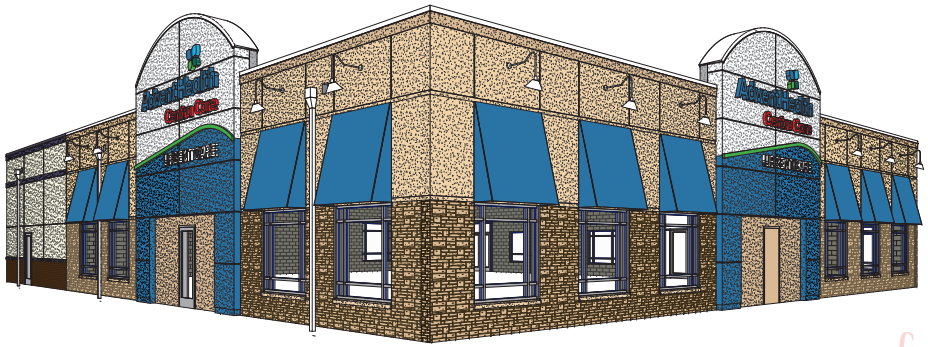
SHEET NO.:

A402

NORTHEAST CORNER

SCALE :

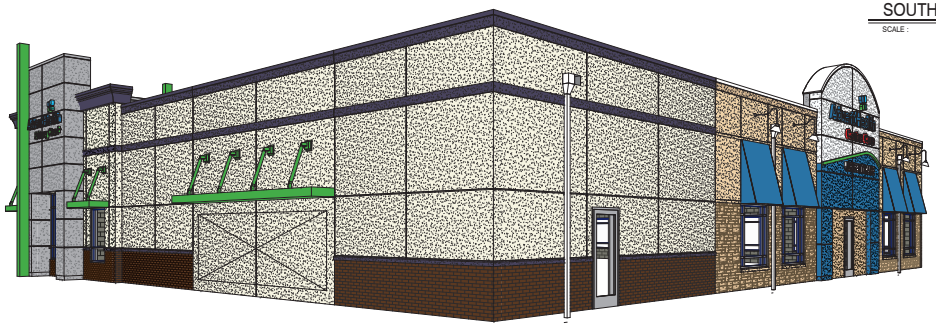
1



SOUTHEAST CORNER

SCALE :

2



SOUTHWEST CORNER

SCALE :

3

NORTHWEST CORNER

SCALE :

4

Scott Malenock

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Date: 2025.02.04 12:23:51 -05'00'

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SEAL

SCOTT D. MALENOCK
STATE OF FLORIDA
REGISTERED ARCHITECT
02/26/25

PROJECT:
SILVER SPRINGS SHORES MEDICAL OFFICE BUILDING

PROJECT ADDRESS:
MARION COUNTY, FL

PROJECT NO.: 250001

ACTIVE DESIGN PHASE

- ☐ FOR REVIEW ONLY
- ■ FOR PERMITTING
- ☐ SCHEMATIC DESIGN
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- ■ CONSTRUCTION DOCUMENTS
- ☐ AS-BUILT RECORD SET

REVISION INFORMATION

NO.	DATE	DESCRIPTION

KEY PLAN

SHEET INFORMATION

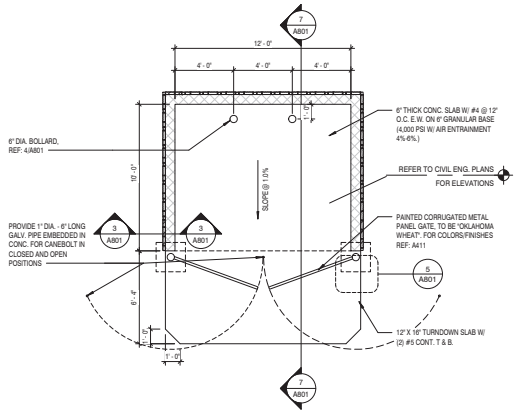
SHEET ISSUED:	02/27/2025
DESIGNED BY:	KT
DRAWN BY:	LA
REVIEWED BY:	SDM

SHEET TITLE:

COLOR EXTERIOR VIEWS

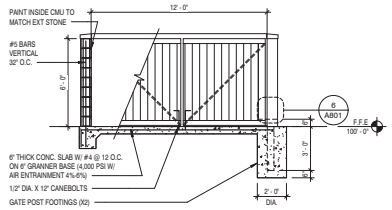
SHEET NO.:

A412



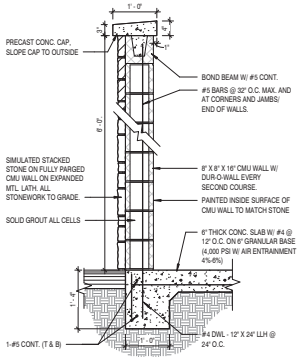
FLOOR PLAN-SINGLE 1

SCALE : 1/4" = 1'-0"



GATE ELEVATION 2

SCALE : 1/4" = 1'-0"



SECTION 3

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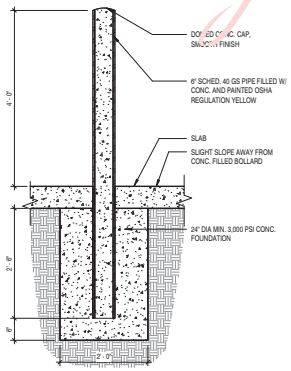
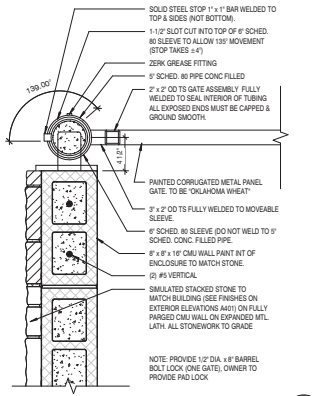


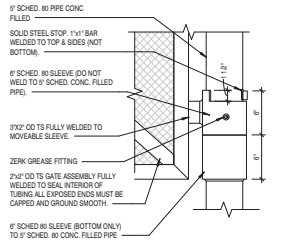
BOLLARD DETAIL 4

SCALE : 3/4" = 1'-0"



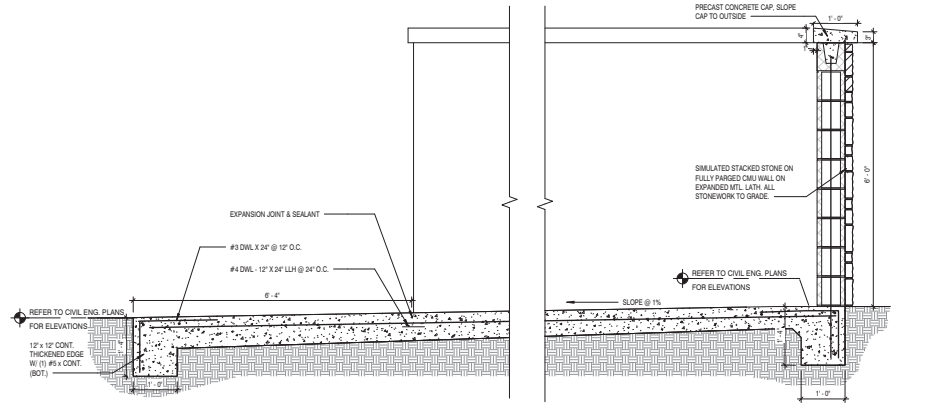
HINGE PLAN DETAIL 5

SCALE : 1 1/2" = 1'-0"



HINGE ELEVATION 6

SCALE : 1 1/2" = 1'-0"



DUMPSTER PAD SECTION 7

SCALE : 3/4" = 1'-0"

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Date: 2025.02.26 16:14:07 -05'00'

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SCOTT D. MALENOCK
STATE OF FLORIDA
REGISTERED ARCHITECT
02/26/25

PROJECT INFORMATION

PROJECT: SILVER SPRINGS SHORES MEDICAL OFFICE BUILDING - DUMPSTER ENCLOSURE

PROJECT ADDRESS:

MARION COUNTY, FL

PROJECT NO.: 250001

ACTIVE DESIGN PHASE

- ☐ FOR REVIEW ONLY
- ■ FOR PERMITTING
- ☐ SCHEMATIC DESIGN
- ☐ DESIGN DEVELOPMENT
- ■ CONSTRUCTION BIDDING
- ■ CONSTRUCTION DOCUMENTS
- ☐ AS-BUILT RECORD SET

REVISION INFORMATION

NO.	DATE	DESCRIPTION

KEY PLAN

SHEET INFORMATION

SHEET ISSUED:	02/25/2025
DESIGNED BY:	SDM
DRAWN BY:	LDA
REVIEWED BY:	SDM

SHEET TITLE: DUMPSTER ENCLOSURE DETAILS

SHEET NO.: A801

AMON WALL

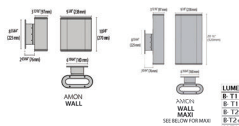
Long-lasting energy-efficient wall pack series. Fixtures consist of:

- Multi-step powder-coat painting process, optimized against UV rays and corrosion.
- Copper-free extruded aluminum housing and copper-free precision die-cast aluminum ring/faceplate, bracket (WALL versions) and mounting plate.
- Extra-clear, flat, tempered silk-screened soda-lime glass diffuser.
- Custom molded, anti-aging gasket(s).
- Stainless steel external hardware.
- Custom MCPCB utilized to maximize heat dissipation and promote a long LED life.
- High-transmittance transparent optics.
- Single (M) or dual (B) light emission.
- IESNA Type II light distribution.
- IESNA Type I light distribution.
- 26" x 70" beam angle (NB).
- DarkSky approved when ordered with single light emission only, and in 3000K or below.
- Input voltage: 120-277 V (50 / 60 Hz), integral 0-10 V dimming driver.
- Integral, emergency battery-pack designed for a minimum operation of 90 minutes (EMPK versions).
- Standard hinged bracket for ease of installation: wiring can be completed by mounting the bracket ahead of the luminaire, then sliding luminaire onto the bracket using quick connectors system, then securing the luminaire by tightening the stainless steel set screws (WALL versions only).
- Consult factory for dimming options, custom finishes, and non-cataloged CCT (Kelvin) options.
- Product meets Buy American Act requirements within ARRA.
- 5-year warranty.
- Marine Grade finish.
- Suitable for Natatorium applications.

IP 65 · WET · UL LISTED · 0-10 V · IK 08 5 J

FINISHES

- AI-96 / Iron gray / Textured
- BI-81 / Black / Textured
- GI-94 / Aluminum metallic / Textured
- WI-87 / White / Textured
- RB-10 / Iron rust / Textured



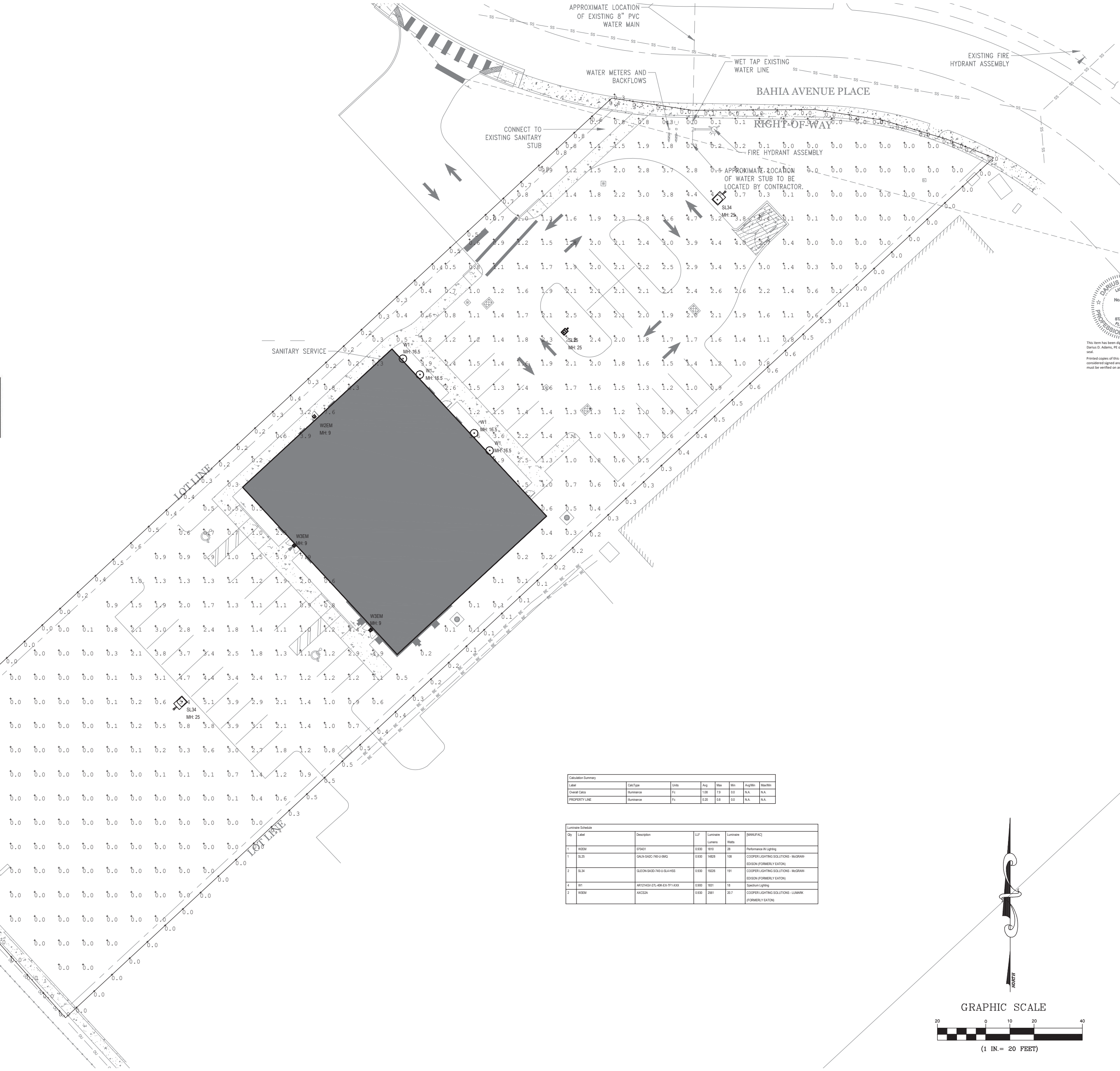
Scan here for installation instructions

28W Max Wattage - M
56W Max Wattage - B

ITEMS WITH NB ARE NOT EQUAL UP/DOWN LIGHT
NARROW BEAM IS POWERED AT 10W MAX

LUMEN OUTPUT	2700K	3000K	3500K	4000K
B- T1	3190	3334	3478	3622
B- T1+NB	2026	2170	2358	2358
B- T2	3144	3288	3429	3571
B-T2+NB	2003	2147	2239	2332
M-T1	1595	1667	1739	1811
M-T1 EMPK	1595	1667	1739	1811
M-T2	1572	1644	1715	1786
M-T2 EMPK	1572	1644	1715	1786

Revision 15
01/25



Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Overall Calcs	Illuminance	Fc	1.08	7.9	0.0	N.A.	N.A.
PROPERTY LINE	Illuminance	Fc	0.20	0.8	0.0	N.A.	N.A.

Luminaire Schedule						
Qty	Label	Description	LLF	Luminaire Lumens	Luminaire Watts	[MANUFAC]
1	W2EM	070431	0.930	1810	28	Performance iN Lighting
1	SL25	GALN-SA2C-740-U-5MQ	0.930	14828	108	COOPER LIGHTING SOLUTIONS - McGRAW-EDISON (FORMERLY EATON)
2	SL34	GLEON-SA3D-740-U-SL4-HSS	0.930	19226	191	COOPER LIGHTING SOLUTIONS - McGRAW-EDISON (FORMERLY EATON)
4	W1	AR1214GV-27L-40K-EX-TF1-XXX	0.900	1831	18	Spectrum Lighting
2	W3EM	AXCS2A	0.930	2561	20.7	COOPER LIGHTING SOLUTIONS - LUMARK (FORMERLY EATON)

PHOTOMETRIC PLAN
SCALE: 1" = 20'-0"

Klima Weeks
CIVIL ENGINEERING
385 Douglas Avenue, Ste 2100
Altamonte Springs, FL 32714
Telephone 407.478.8750
Facsimile 407.478.8749
Certificate of Authorization No.: 9230

CLEAR ENGINEERING
C.A. No. 27848
13651 CRYSTAL RIVER DRIVE
ORLANDO, FL. 32828
phone: (407)277-3431
email: darius@clear-engr.com

DARIUS D ADAMS LICENSE No. 53236 STATE OF FLORIDA PROFESSIONAL ENGINEER
Darius D. Adams, P.E.
FL PE No. 53236
Digitally signed by Darius Adams
DN: c=US, o=Clear Engineering LLC, dnQualifier=A01410D00000183389A255A000663CD, cn=Darius Adams
Date: 2025.03.03 08:18:35 -05'00'

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SILVER SPRINGS SHORES MEDICAL OFFICE BUILDING

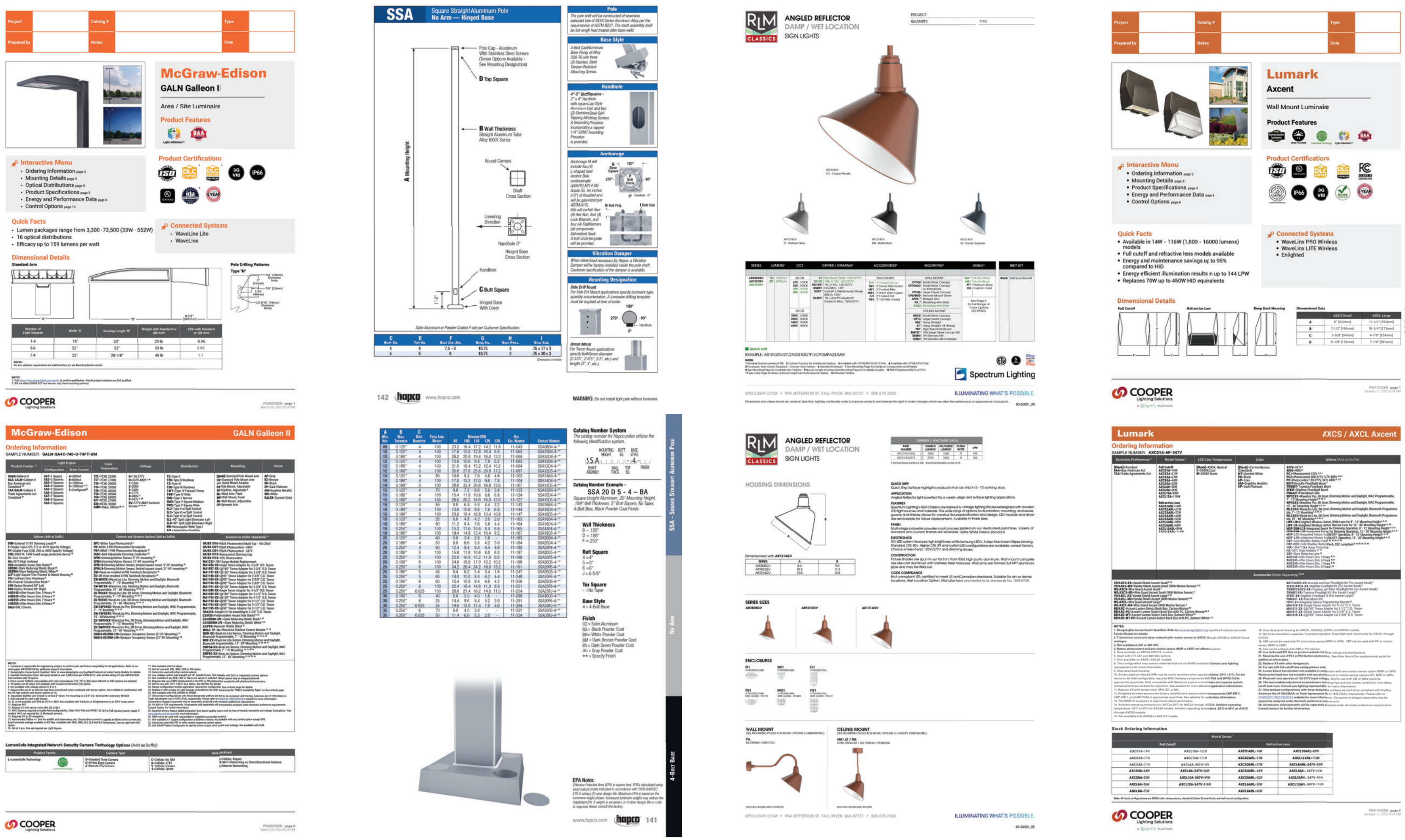
MARION COUNTY, FL

PHOTOMETRIC PLAN

revision	description	date
△		
△		
△		
△		
△		
△		

drawn by: MDF
checked by: DDA
date: 02/28/2025
plot scale: AS SHOWN
project number: 25HEMB065
file name: [illegible]

E201



Klima Weeks
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13651 CRYSTAL RIVER DRIVE
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DN: c=US, o=Clear Engineering LLC, dnQualifier=A01410D000 00183389A255A000663C D, cn=Darius Adams
Date: 2025.03.03 08:20:01 -05'00'

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SILVER SPRINGS SHORES MEDICAL OFFICE BUILDING
MARION COUNTY, FL
SITE LIGHTING SPECIFICATIONS

revision	description	date
△		
△		
△		
△		
△		
△		

drawn by: MDF
checked by: DDA
date: 02/28/2025
plot scale: AS SHOWN
project number: 25HEMB065
file name: 9235 - SITE LIGHTING.DWG

E202