

July 25, 2024

PROJECT NAME: RACETRAC SUMMERFIELD

PROJECT NUMBER: 2008020043

APPLICATION: MAJOR SITE PLAN #31043

1 DEPARTMENT: ENRAA - ACQ AGENT ENG ROW

REVIEW ITEM: Major Site Plan

STATUS OF REVIEW: INFO

REMARKS: 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]."

- 2 DEPARTMENT: ZONE - ZONING DEPARTMENT
REVIEW ITEM: 2.12.27 - Show location of outside storage areas
STATUS OF REVIEW: INFO
REMARKS: will there be outside storage? Show location and proposed buffers.
- 3 DEPARTMENT: ZONE - ZONING DEPARTMENT
REVIEW ITEM: 4.4.4 -Sign (provisions for advertising signage), if it is a multi occupancy complex like shopping centers they must submit a master sign plan.
STATUS OF REVIEW: INFO
REMARKS: show the location and size of the proposed signage.
- 4 DEPARTMENT: ZONE - ZONING DEPARTMENT
REVIEW ITEM: 2.12.4.C - Owner and applicant name
STATUS OF REVIEW: INFO
REMARKS: Name, address, phone number, and signature of the owner and applicant (these signatures are not required until the final submittal).
- 5 DEPARTMENT: LSCAPE - LANDSCAPE DESIGN AND IRRIGATION
REVIEW ITEM: 6.8.11 - Landscape installation
STATUS OF REVIEW: INFO
REMARKS: installation shall mean survival in perpetuity
- 6 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: Domestic water, irrigated water & sewer capacity charges are permitted by MCU Permitting at time of building permit application.
- 7 DEPARTMENT: ENGIN - DEVELOPMENT REVIEW
REVIEW ITEM: Additional Development Review Comments
STATUS OF REVIEW: INFO
REMARKS: 2/12/24 - 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. - sk
- 8 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: 02/12/2024 - Add waivers to cover sheet if requested in the future, with section of code. Upon approval, add date of approval and description of approval. - sk
- 9 DEPARTMENT: ENGIN - DEVELOPMENT REVIEW
REVIEW ITEM: 2.21.2.B - Major Site Plan fee of \$1,000..00 + (\$10.00 x total site acreage)
STATUS OF REVIEW: INFO
REMARKS: 5/3/24-fee due with resubmittal
2/12/24 - fee due with resubmittal - sk

- 10 DEPARTMENT: ENGDRN - STORMWATER REVIEW
REVIEW ITEM: Additional Stormwater comments
STATUS OF REVIEW: INFO
REMARKS: (1) Drainage affecting FDOT's ROW needs to be coordinated with FDOT directly. (2) 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.
- 11 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.
- 12 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.
- 13 DEPARTMENT: ENGDRN - STORMWATER REVIEW
REVIEW ITEM: 2.12.9/10 - Proposed Drainage Right-of-Way/Easements
STATUS OF REVIEW: INFO
REMARKS: If the current parcels are replatted/reconfigured and the remaining portion of the property is sold to another entity, easements and/or tracts may be required at that time.
- 14 DEPARTMENT: ENGDRN - STORMWATER REVIEW
REVIEW ITEM: 2.12.8 - Topographical Contours
STATUS OF REVIEW: NO
REMARKS: Please provide a survey that is less than 12 months old and has one foot contours that extend 100' beyond the project boundary.
- 15 DEPARTMENT: ENGDRN - STORMWATER REVIEW
REVIEW ITEM: 2.12.38 - Stormwater Maintenance Entity
STATUS OF REVIEW: NO
REMARKS: 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.
- 16 DEPARTMENT: ENGDRN - STORMWATER REVIEW
REVIEW ITEM: 6.13.7 - Geotechnical Criteria
STATUS OF REVIEW: NO
REMARKS: The geotechnical report submitted only has data for borings 1-23. Is there another report for the borings located within DRA 1B. Please submit the geotechnical report so criteria can be reviewed.
- 17 DEPARTMENT: ENGDRN - STORMWATER REVIEW
REVIEW ITEM: 6.13.2.A(3) - Retention/Detention Area Design Parameters
STATUS OF REVIEW: NO
REMARKS: (1) Add coordinates or dimensions to both DRAs. (2) Callout maintenance berm on the plans.

- 18 DEPARTMENT: ENGDRN - STORMWATER REVIEW
REVIEW ITEM: 6.13.4 - Stormwater Quantity Criteria
STATUS OF REVIEW: NO
REMARKS: See comment under "6.13.2.B(4) - Hydrologic Analysis"
- 19 DEPARTMENT: ENGDRN - STORMWATER REVIEW
REVIEW ITEM: 6.13.2.B(4) - Hydrologic Analysis
STATUS OF REVIEW: NO
REMARKS: Please submit soils information for DRA 1B so geotechnical parameters can be verified on the Ponds inputs. The soil information used for the design are for borings located outside of the DRA limits.
- 20 DEPARTMENT: ENGDRN - STORMWATER REVIEW
REVIEW ITEM: 6.13.4.C - Discharge Conditions
STATUS OF REVIEW: NO
REMARKS: See comment under "6.13.2.B(4) - Hydrologic Analysis"
- 21 DEPARTMENT: ENGDRN - STORMWATER REVIEW
REVIEW ITEM: 6.13.2.B(6) - Freeboard
STATUS OF REVIEW: NO
REMARKS: See comment under "6.13.2.B(4) - Hydrologic Analysis"
- 22 DEPARTMENT: ENGDRN - STORMWATER REVIEW
REVIEW ITEM: 6.13.4.D - Recovery Analysis
STATUS OF REVIEW: NO
REMARKS: See comment under "6.13.2.B(4) - Hydrologic Analysis"
- 23 DEPARTMENT: ENGDRN - STORMWATER REVIEW
REVIEW ITEM: 6.13.6.C - Best Management Practices
STATUS OF REVIEW: NO
REMARKS: Please callout the installation locations of the stormwater oil/water separators on the grading/drainage plan. Please also include a detail of the oil/water separator in the plan set.
- 24 DEPARTMENT: ENGDRN - STORMWATER REVIEW
REVIEW ITEM: 6.13.2.B(5) - Hydraulic Analysis
STATUS OF REVIEW: NO
REMARKS: The invert of DS-OUT-2 is proposed to be 85.00'. The pond bottom of 1B is 86.80'. Is this a sump condition? Or should the invert be set at 86.80'? Please clarify.
- 25 DEPARTMENT: ENGDRN - STORMWATER REVIEW
REVIEW ITEM: 6.13.12 - Operation and Maintenance
STATUS OF REVIEW: NO
REMARKS: Please provide a signed O&M manual.
- 26 DEPARTMENT: ENGDRN - STORMWATER REVIEW
REVIEW ITEM: Please provide a final signed and sealed hard copy signature page with references to the stormwater analysis or final hard copy of the full stormwater analysis.
STATUS OF REVIEW: NO
REMARKS: After all stormwater comments are resolved, please upload a digitally signed and sealed report. A hard copy signed and sealed report can be submitted if desired.

- 27 DEPARTMENT: ENGTRF - TRAFFIC REVIEW
REVIEW ITEM: 6.11.3 - Traffic Impact Analysis
STATUS OF REVIEW: NO
REMARKS: 5/1/24 - The traffic study is under review and currently awaiting resubmittal.
2/12/24 - The traffic study hasn't been approved. Once the traffic study is approved, a complete review of the plan will be provided.
- 28 DEPARTMENT: ENGTRF - TRAFFIC REVIEW
REVIEW ITEM: 6.11.4.B - Cross access
STATUS OF REVIEW: NO
REMARKS: 5/1/24 - The cross access easements need to extend and be paved all the way to the property lines
2/12/24 - 24' wide paved cross access easements are required along Sunset Harbor Road and US 441. Show the easements on the plan and coordinate with Cheryl Weaver in the Right-of-way Office to record the easement documents.
- 29 DEPARTMENT: ENGTRF - TRAFFIC REVIEW
REVIEW ITEM: 6.11.9.A - Traffic signals
STATUS OF REVIEW: NO
REMARKS: 2/12/24 - The need for signal modifications will be reviewed once the traffic study is complete.
- 30 DEPARTMENT: ENGTRF - TRAFFIC REVIEW
REVIEW ITEM: 6.12.2 - Right-of-way
STATUS OF REVIEW: NO
REMARKS: 5/1/24 - Please coordinate with Cheryl Weaver in the right-of-way office on the right-of-way dedication on Sunset Harbor Road.
2/12/24 - The right-of-way on Sunset Harbor Road is deficient. Any improvement in the right-of-way such as turn lanes, will require a right-of-way dedication.
- 31 DEPARTMENT: ENGTRF - TRAFFIC REVIEW
REVIEW ITEM: 6.12.11 - Turn lanes
STATUS OF REVIEW: NO
REMARKS: 2/12/24 - The turn lanes will be reviewed once the traffic study is complete.
- 32 DEPARTMENT: ENGTRF - TRAFFIC REVIEW
REVIEW ITEM: 6.12.12 - Sidewalks
STATUS OF REVIEW: NO
REMARKS: 5/1/24 - Provide a sidewalk connection from Sunset Harbor Road to the front of the convenience store.
2/12/24 - Sidewalk is required on both US 441 and Sunset Harbor Road. This is a corner commercial lot with a use that generates frequent bicycle and pedestrian traffic. There are also residential areas nearby. Staff does not support a waiver.
- 33 DEPARTMENT: ENGTRF - TRAFFIC REVIEW
REVIEW ITEM: Additional Traffic comments
STATUS OF REVIEW: NO
REMARKS: 5/1/24 - See previous comment. Truck parking must be provided. The Circle K located at this same intersection is not a truck stop, yet there are constantly trucks parked there.
2/12/24 - The applicant is clearly anticipating truck traffic; however, there is no truck parking. Provide truck parking.

- 34 DEPARTMENT: UTIL - MARION COUNTY UTILITIES
REVIEW ITEM: Marion County Utilities Contact Information
STATUS OF REVIEW: NO
REMARKS: cover sheet - Water & Sanitary sewer update contacts to Customer Service, phone 352-307-6000 24x7x365
- 35 DEPARTMENT: UTIL - MARION COUNTY UTILITIES
REVIEW ITEM: 6.14.2.C.2(e) - Grease Trap, FOG Worksheet
STATUS OF REVIEW: NO
REMARKS: confirm with MCU's Kyle.Myers@MarionFL.org grease trap and/or any IP requirements and submit proof of approval (email is OK) that what is proposed is sufficient in size and placement for this application.
- 36 DEPARTMENT: UTIL - MARION COUNTY UTILITIES
REVIEW ITEM: 6.14.2.C - Industrial Pretreatment
STATUS OF REVIEW: NO
REMARKS: confirm with MCU's Kyle.Myers@MarionFL.org all requirements for oil/water separation and car wash requirements including data to support 80% minimum recycle content.
- 37 DEPARTMENT: UTIL - MARION COUNTY UTILITIES
REVIEW ITEM: 6.14.4 - Water (irrigation) Capital Charges and Flow Rates - total irrigated area identified
STATUS OF REVIEW: NO
REMARKS: identify total SF of irrigation (not landscaping) for calculation of irrigation capacity charges. Add this figure to Sheet C8.1 & state where this is in response.
- 38 DEPARTMENT: UTIL - MARION COUNTY UTILITIES
REVIEW ITEM: 6.14.5.A(2) - Submittal Requirements - Proposed on-site & off-site mains and service connections
STATUS OF REVIEW: NO
REMARKS: profile view required; return comment about profile being on DOT plans is not sufficient.
- 39 DEPARTMENT: UTIL - MARION COUNTY UTILITIES
REVIEW ITEM: 6.14.5.B - Construction Notes - UT DETAILS - current LDC version
STATUS OF REVIEW: NO
REMARKS: 5/9 review - the details added are outdated; find approved UT details as of 4/13/23 here --> <https://utilities.marionfl.org/i-want-to/find-construction-related-forms>
- 40 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: as of 5/9/24 review, not paid/posted
\$130 - to pay this by phone call 352-671-8686 prior to resubmittal to clear this checklist item
- 41 DEPARTMENT: UTIL - MARION COUNTY UTILITIES
REVIEW ITEM: Additional Utilities comments
STATUS OF REVIEW: NO
REMARKS: see changemarks sheet C8.1; many of which were previous comments on last submittal but not resolved. Cloud changes on resubmitted page C8.1 (v3)

- 42 DEPARTMENT: LUCURR - LAND USE CURRENT REVIEW
REVIEW ITEM: 2.12.16/6.5 - [EALS or EALS-ER provided?]
STATUS OF REVIEW: NO
REMARKS: [05/01/2024 & original comment] Provide EALS or exemption.
- 43 DEPARTMENT: LUCURR - LAND USE CURRENT REVIEW
REVIEW ITEM: 6.5 & 6.6 - Habitat Preservation/Mitigation Provided?
STATUS OF REVIEW: NO
REMARKS: [05/01/2024 & original comment] Provide EALS detailing habitat mitigation or preservation.
- 44 DEPARTMENT: LUCURR - LAND USE CURRENT REVIEW
REVIEW ITEM: 2.12.5/1.8.2.A - Concurrency/Traffic - Study/Capacity Available?
STATUS OF REVIEW: NO
REMARKS: [05/08/2024] Traffic Study under review.
[original comment]No traffic study has been provided yet. Please submit.
- 45 DEPARTMENT: 911 - 911 MANAGEMENT
REVIEW ITEM: 2.12.28 - Correct road names supplied
STATUS OF REVIEW: NO
REMARKS: The Cover Sheet has the incorrect project intersection in the Title. It should be S US Hwy 441 & SE Sunset Harbor Rd. The Title Bars on the newly submitted Sheets L1.11, L.1.12, L1.13, L1.14, L1.15, L1.16, L2.10, L2.11, L2.12, L2.13, L2.14, L2.15, L2.16, SD1 RT, SD2 RT, SD3 RT, SD4 RT, SD5 RT, SD6 RT, SD7 RT, SD8 RT, and SD9 RT have the incorrect address of US 441 @ SE 147th, it should be S US Hwy 441 @ SE Sunset Harbor Rd. Please update on all applicable sheets on future submittals.
- 46 DEPARTMENT: ENGSUR - SURVEY REVIEW
REVIEW ITEM: 6.4.7.A(1) - Show a minimum of two bench marks per site
STATUS OF REVIEW: NO
REMARKS: Please provide.
- 47 DEPARTMENT: ENGSUR - SURVEY REVIEW
REVIEW ITEM: 6.4.7.A(2 & 3) - Bench mark information shown
STATUS OF REVIEW: NO
REMARKS: Please provide.
- 48 DEPARTMENT: ENGSUR - SURVEY REVIEW
REVIEW ITEM: 6.4.7.B(1) - Show a minimum of two intervisible horizontal control points per site
STATUS OF REVIEW: NO
REMARKS: Please specify which points were used for horizontal control.
- 49 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 provide.
- 50 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.

- 51 DEPARTMENT: LSCAPE - LANDSCAPE DESIGN AND IRRIGATION
REVIEW ITEM: 2.12.18 - All trees 10" DBH and larger
STATUS OF REVIEW: NO
REMARKS: Show all existing trees, size and species
- 52 DEPARTMENT: LSCAPE - LANDSCAPE DESIGN AND IRRIGATION
REVIEW ITEM: 6.7.3 - Tree protection
STATUS OF REVIEW: NO
REMARKS: Show tree protection if applicable
- 53 DEPARTMENT: LSCAPE - LANDSCAPE DESIGN AND IRRIGATION
REVIEW ITEM: 6.7.4 - Shade tree requirements
STATUS OF REVIEW: NO
REMARKS: Provide calculations
- 54 DEPARTMENT: LSCAPE - LANDSCAPE DESIGN AND IRRIGATION
REVIEW ITEM: 6.7.6 - Tree removal submittal requirements
STATUS OF REVIEW: NO
REMARKS: Show trees to be removed
- 55 DEPARTMENT: LSCAPE - LANDSCAPE DESIGN AND IRRIGATION
REVIEW ITEM: 6.7.8 - Protected tree replacement requirements
STATUS OF REVIEW: NO
REMARKS: 1. Provide mitigation calculations 2. Min. tree inches req = 601, provided 325.5. How will difference be addressed?
- 56 DEPARTMENT: LSCAPE - LANDSCAPE DESIGN AND IRRIGATION
REVIEW ITEM: 6.7.9 - Replacement trees; general requirements
STATUS OF REVIEW: NO
REMARKS: Indicate replacement trees in schedule
- 57 DEPARTMENT: LSCAPE - LANDSCAPE DESIGN AND IRRIGATION
REVIEW ITEM: 6.8.4 - Landscape area requirements for non-residential development
STATUS OF REVIEW: NO
REMARKS: Provide area calculations
- 58 DEPARTMENT: LSCAPE - LANDSCAPE DESIGN AND IRRIGATION
REVIEW ITEM: 6.8.6 - Buffers
STATUS OF REVIEW: NO
REMARKS: 1. Buffer shall be on owners property, not in ROW. 2. Viburnum suspensum is not native to Florida 3. Provide sf of buffer area provided, confirm 50% planted area 4. Waiver required to use existing vegetation as buffer along DRA on Sunset Harbor Rd
- 59 DEPARTMENT: LSCAPE - LANDSCAPE DESIGN AND IRRIGATION
REVIEW ITEM: 6.8.8 - Building landscaping
STATUS OF REVIEW: NO
REMARKS: 60% of public view shall be screened.
- 60 DEPARTMENT: LSCAPE - LANDSCAPE DESIGN AND IRRIGATION
REVIEW ITEM: 6.8.9 - Service and equipment areas
STATUS OF REVIEW: NO
REMARKS: Show dumpster area? Is there a wall? If not, show screening - 6ft ht in 1 yr

- 61 DEPARTMENT: LSCAPE - LANDSCAPE DESIGN AND IRRIGATION
REVIEW ITEM: 6.8.10 - General planting requirements (specifications)
STATUS OF REVIEW: NO
REMARKS: Provide specifications for planting
- 62 DEPARTMENT: LSCAPE - LANDSCAPE DESIGN AND IRRIGATION
REVIEW ITEM: 6.8.12 - Landscape completion inspection requirements
STATUS OF REVIEW: NO
REMARKS: add note from this section of code to plan
- 63 DEPARTMENT: LSCAPE - LANDSCAPE DESIGN AND IRRIGATION
REVIEW ITEM: 6.9.2 - Irrigation plan requirements (details, legend, notes)
STATUS OF REVIEW: NO
REMARKS: Provide irrigation plan
- 64 DEPARTMENT: LSCAPE - LANDSCAPE DESIGN AND IRRIGATION
REVIEW ITEM: 6.19.3 - Outdoor lighting plan requirements
STATUS OF REVIEW: NO
REMARKS: will there be outdoor lighting (poles)? If so, a photometric plan is required
- 65 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: 5/03/24 - need EALS or exemption
Provide EALS or exemption.



**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

AR31043

DEVELOPMENT REVIEW COMMITTEE WAIVER REQUEST FORM

Date: 08/01/2024 Parcel Number(s): 45976-000-00 Permit Number: 2008020043

A. PROJECT INFORMATION: Fill in below as applicable:

Project Name: RACETRAC SUMMERFIELD Commercial Residential
Subdivision Name (if applicable): _____
Unit _____ Block _____ Lot _____ Tract _____

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

Name (print): RACETRAC INC.
Signature: *Michael Mullen*
Mailing Address: 200 GALLERIA PARKWAY SE, SUITE 900 City: ATLANTA
State: GA Zip Code: 30339 Phone # 678-576-5190
Email address: MIMULLEN@RACTRAC.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): MASTROSERIO ENGINEERING, INC Contact Name: PAOLO MASTROSERIO
Mailing Address: 170 SE 32ND PLACE City: OCALA
State: FL Zip Code: 34471 Phone # 352-433-2185
Email address: PAOLO@MASTROSERIOENG.COM

D. WAIVER INFORMATION:

Section & Title of Code (be specific): _____ 6.8.6 - Buffers
Reason/Justification for Request (be specific): _____
A waiver is requested to provide a 15' wide Type D Buffer along the east and south property lines with the following criteria: 1. A 6' high opaque fence in lieu of a wall. 2. Utilize existing vegetation which is to be preserved and not to be disturbed. Where vegetation does not fill, infill landscape to be provided w/similar plant material that is currently

DEVELOPMENT REVIEW USE:

Received By: _____ Date Processed: 8/2/24 CH Project # 2008020043 AR # 31043

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): _____

Revised 6/2021

Empowering Marion for Success

marionfl.org



**Marion County
Board of County Commissioners**

Office of the County Engineer

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

DEVELOPMENT REVIEW COMMITTEE WAIVER REQUEST FORM

Section & Title of Code (be specific) _____ 6.8.6 Buffers - Continued
Reason/Justification for Request (be specific): on-site. Buffer to be maintained in perpetuity.

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

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

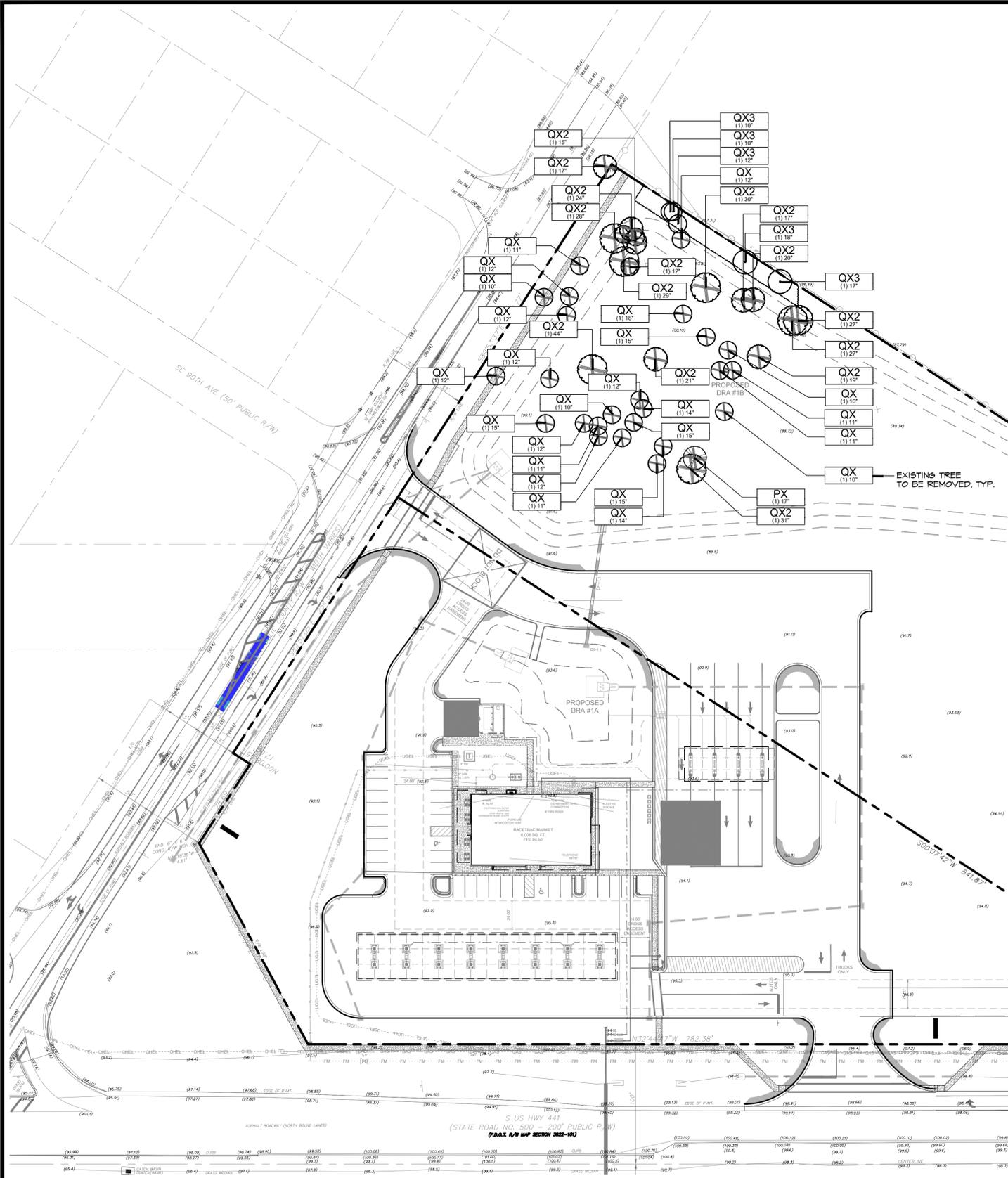
Section & Title of Code (be specific) _____
Reason/Justification for Request (be specific): _____

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

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

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

Revised ~~6~~/2021



PLANT SCHEDULE

CODE	QTY	COMMON NAME	BOTANICAL NAME	SIZE
EXISTING TREES TO BE REMOVED				
PX	1	LONGLEAF PINE	Pinus palustris	17"
QX	4	LAUREL OAK	Quercus laurifolia	10"
QX	5	LAUREL OAK	Quercus laurifolia	11"
QX	8	LAUREL OAK	Quercus laurifolia	12"
QX	2	LAUREL OAK	Quercus laurifolia	14"
QX	4	LAUREL OAK	Quercus laurifolia	15"
QX	1	LAUREL OAK	Quercus laurifolia	18"
QX2	2	LIVE OAK	Quercus virginiana	12"
QX2	1	LIVE OAK	Quercus virginiana	13"
QX2	1	LIVE OAK	Quercus virginiana	15"
QX2	2	LIVE OAK	Quercus virginiana	17"
QX2	1	LIVE OAK	Quercus virginiana	19"
QX2	1	LIVE OAK	Quercus virginiana	20"
QX2	1	LIVE OAK	Quercus virginiana	21"
QX2	1	LIVE OAK	Quercus virginiana	24"
QX2	2	LIVE OAK	Quercus virginiana	27"
QX2	1	LIVE OAK	Quercus virginiana	28"
QX2	1	LIVE OAK	Quercus virginiana	29"
QX2	1	LIVE OAK	Quercus virginiana	30"
QX2	1	LIVE OAK	Quercus virginiana	31"
QX2	1	LIVE OAK	Quercus virginiana	44"

CODE	QTY	COMMON NAME	BOTANICAL NAME	SIZE
EXISTING TREES TO REMAIN				
QX3	2	Laurel Oak	Quercus laurifolia	10"
QX3	1	Laurel Oak	Quercus laurifolia	12"
QX3	1	Laurel Oak	Quercus laurifolia	17"
QX3	1	Laurel Oak	Quercus laurifolia	18"

TREE MITIGATION TABLE CALCULATIONS	
EXISTING TREES WITHIN MOST DENSE 1 ACRE PARCEL WITHIN THE PROJECT BOUNDARY	= 47 TREES / INCHES 743"
PROJECT BOUNDARY = 12.83 ACRES / 743" = 57" PER ACRE (EXISTING)	
REQUIRED INCHES PER ACRE = 100(12.83 X 100 = 1,283" REQUIRED)	
TOTAL TREES TO BE REMOVED PER 1 ACRE PARCEL:	47
TOTAL INCHES REMOVED PER 1 ACRE PARCEL:	743
TOTAL TREES TO REMAIN PER 1 ACRE PARCEL:	5
TOTAL INCHES TO REMAIN PER 1 ACRE PARCEL:	67"
AMOUNT OF CANOPY TREES PROPOSED @ 3.5" = 76	
AMOUNT OF CALIPER INCHES PROPOSED = 266"	
AREA (S.F.) OF TREES TO BE PROTECTED ALONG EAST & SOUTH PROPERTY LINES WITHIN THE 15' TYPE 'D' BUFFER	= 18,855 S.F.
18,855 S.F. / 43,560 S.F. (1 ACRE) = 43.2% OR 43.2%	
432' * 67" = 28.9"	
28.9' * 13 = 376"	
NOTE:	OWNER WILL PAY INTO TREE MITIGATION FOR 8,859"

MARION COUNTY CODE REQUIREMENTS

NOTE: TREE REMOVAL, PRESERVATION, AND/OR REPLACEMENT INSPECTIONS / PERMITS ARE PURSUANT TO MARION COUNTY LAND DEVELOPMENT CODE, ARTICLE 6, DIVISION 7, TREE PROTECTION AND REPLACEMENT http://www.municode.com/library/fl/marion_county

TREE PROTECTION, REMOVAL, PERMITTING, AND INSPECTIONS

THE FOLLOWING REQUIREMENTS SHALL BE CONDITIONS OF TREE PROTECTION AND REMOVAL PERMITS, ALL PERMITS OR CONSTRUCTION IN PUBLIC ROWS, AND ALL DEVELOPMENT PERMITS ISSUED UNDER AND PURSUANT TO THE MARION COUNTY CODE:

TREE PRESERVATION AND/OR REPLACEMENT INSPECTIONS ARE REQUIRED TO ENSURE COMPLIANCE WITH THE MARION COUNTY CODE AND WITH PERMITTING REQUIREMENTS.

PRIOR TO ANY CLEARING, GRUBBING OR ANY CONSTRUCTION, TREE PROTECTION BARRICADES SHALL BE ERECTED AROUND ALL TREES TO BE PRESERVED. PROTECTION BARRICADES SHALL BE APPROVED BY THE COUNTY'S LANDSCAPE ARCHITECT OR DESIGNER, PRIOR TO CONSTRUCTION.

PRIOR TO ANY CLEARING, GRUBBING OR CONSTRUCTION, A PRELIMINARY INSPECTION SHALL BE CONDUCTED BY THE COUNTY'S LANDSCAPE ARCHITECT OR DESIGNER TO CONFIRM THAT THE PERMITTEE HAS MARKED TREES PERMITTED TO BE REMOVED AND HAS INSTALLED TREE PROTECTION BARRICADES AROUND TREES TO BE PRESERVED. ANY DEFICIENCIES NOTED DURING THIS INSPECTION SHALL BE CAUSE TO WITHHOLD APPROVAL UNTIL THEY ARE CORRECTED BY THE PERMITTEE AND RE-INSPECTED. FLOWING THE PRELIMINARY INSPECTION, APPROVAL SHALL BE NOTED BY THE COUNTY'S LANDSCAPE ARCHITECT OR HIS DESIGNER ON THE PERMIT AND SHALL CONSTITUTE NOTICE TO PROCEED WITH THE TREE REMOVAL.

CONTRACTOR SHALL HAVE ALL AGREEMENTS AND PERMITS SECURED FOR DEMOLITION AND PROTECTION ON PROJECT SITE.

OWNER IS RESPONSIBLE FOR INSURING THAT ALL POSSIBLE MEASURES ARE TAKEN TO AVOID DAMAGE TO TREES NOT APPROVED FOR REMOVAL.

TREES TO REMAIN SHALL BE PROTECTED PER THE MARION COUNTY, FLORIDA TREE PROTECTION AND REPLACEMENT SPECIFICATIONS, INCLUDING MINIMIZING ALTERATIONS TO THE SITE TOPO AND PROTECTING TREES FROM ANY DAMAGE TO PRESERVE THE LONG TERM VIABILITY OF EXISTING TREES.

THE MOVEMENT OR THE STORAGE OF EQUIPMENT, MATERIALS, DEBRIS, OR FILL WITHIN THE TREE PROTECTION ZONE (TPZ) OR DRIPLINE OF ANY PROTECTED TREE IS PROHIBITED.

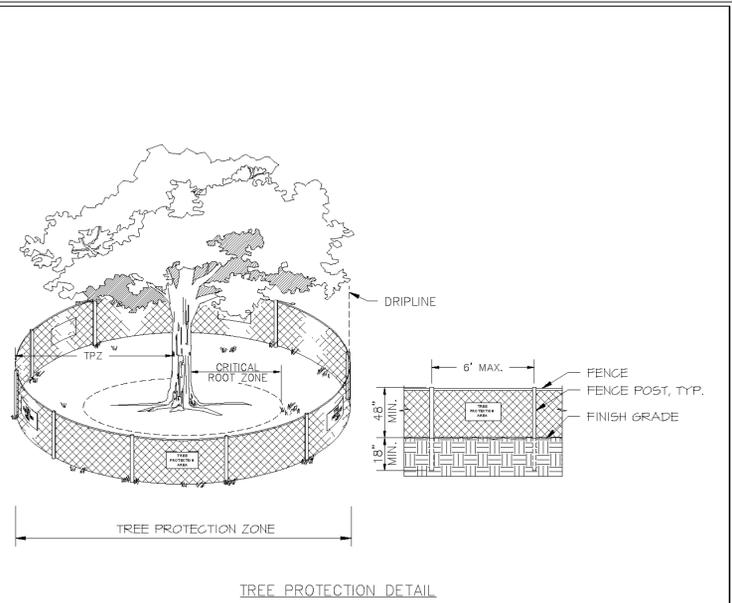
THE CLEANING OF CONSTRUCTION EQUIPMENT, MATERIALS, OR THE DISPOSAL OF WASTE, E.G. PAINT, OIL, SOLVENTS, ASPHALT, CONCRETE, MORTAR, WITHIN THE TPZ OR DRIPLINE IS PROHIBITED.

THE CONTRACTOR SHALL INSPECT ALL TREE PROTECTION BARRICADES AND SIGNS EVERY WEEK THROUGHOUT CONSTRUCTION. ANY BARRICADE OR SIGN THAT IS DAMAGED OR MISSING SHALL BE IMMEDIATELY REPLACED.

ANY TREE NOT PERMITTED FOR REMOVAL THAT IS DESTROYED OR DAMAGED SO AS TO PLACE ITS LONG TERM SURVIVAL IN QUESTION, SHALL BE REPLACED AT AN INCH TO INCH BASIS OF THE TOTAL (COMBINED) DBH OF THE TREE(S) SO DESTROYED OR DAMAGED. THE REPLACEMENT TREES SHALL BE COMPARABLE SPECIES TO THE DESTROYED OR DAMAGED TREES WITH A MIN. REPLACEMENT SIZE OF 3.5" CALIPER. THE COUNTY RESERVED THE RIGHT TO ESTABLISH A REPLACEMENT FUND FOR SUCH TREES AND PAYMENT INTO THE TREE MITIGATION FUND MAY BE AUTHORIZED BY THE COUNTY'S LANDSCAPE ARCHITECT.

NO CERTIFICATE OF OCCUPANCY OR CERTIFICATE OF COMPLETION, AS APPROPRIATE, MAY BE ISSUED FOR ANY DEVELOPMENT INVOLVING THE REMOVAL OF TREES REQUIRING A PERMIT UNTIL ALL REQUIRED INSPECTIONS HAVE BEEN COMPLETED AND APPROVED.

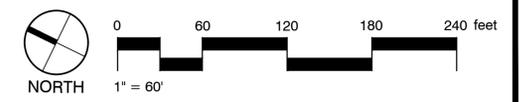
A FINAL INSPECTION SHALL BE CONDUCTED BY THE COUNTY'S LANDSCAPE ARCHITECT OR DESIGNER AFTER COMPLETION OF TREE REMOVAL AND REPLACEMENT. FOLLOWING FINAL INSPECTION, AND IF FOUND TO BE IN ACCORDANCE WITH THE APPROVED PLANS AND REQUIREMENTS, APPROVAL SHALL BE MOTED BY THE COUNTY'S LANDSCAPE ARCHITECT OR DESIGNER ON THE PERMIT AND SHALL CONSTITUTE NOTICE OF COMMENCEMENT OF THE REQUIRED MAINTENANCE PERIOD OF REPLACEMENT TREES IF REPLACEMENT IS REQUIRED.



- NOTES:**
- TREE PROTECTION BARRICADES SHALL BE INSTALLED AROUND ALL PROTECTED TREES AND GROUPS OF TREES PRIOR TO ANY CLEARING OR GRADING OPERATIONS, INCLUDING THE REMOVAL OF OTHER TREES.
 - FOR LARGE GROUPS OF TREES, BARRICADES MAY BE PLACED BETWEEN THE PROTECTED TREES AND THE CONSTRUCTION ACTIVITY AREA.
 - BARRICADES SHALL BE MADE OF RIGID MATERIAL CAPABLE OF SURVIVING FOR THE DURATION OF THE CONSTRUCTION.
 - BARRICADES SHALL BE INSPECTED WEEKLY DURING THE DURATION OF CONSTRUCTION AND REPAIRED/REINSTALLED AS REQUIRED.
 - CLEANING OF EQUIPMENT OR MATERIAL OR THE DISPOSAL OF WASTE MATERIALS, INCLUDING BUT NOT LIMITED TO, PAINT, OIL, SOLVENT, ASPHALT, CONCRETE, AND MORTAR WITHIN THE TREE PROTECTION ZONE (TPZ) OF ANY TREE IS NOT ALLOWED.
 - THE MOVEMENT OF EQUIPMENT OR STORAGE OF EQUIPMENT, MATERIALS, DEBRIS, OR FILL WITHIN THE TPZ OF ANY TREE IS NOT ALLOWED.
 - IF ANY TREE WHICH IS NOT PERMITTED FOR REMOVAL IS DESTROYED, OR RECEIVES MAJOR DAMAGE DURING CONSTRUCTION, WITH THE EXCEPTION OF NATURAL EVENTS, SO AS TO PLACE ITS LONG TERM SURVIVAL IN QUESTION, MUST BE REPLACED AT AN INCH-TO-INCH BASIS OF THE TOTAL (COMBINED) DBH OF THE TREE(S) SO DESTROYED OR DAMAGED. THE REPLACEMENT TREE(S) SHALL BE OF COMPARABLE SPECIES OF THE DESTROYED OR DAMAGED TREE(S) WITH A MINIMUM SIZE OF 3 1/2" CALIPER.
 - REQUIRED SIGNS SHALL STATE "TREE PROTECTION ZONE".

	MCBCC EFFECTIVE	7.3.4
	10/12/2013	LS
REVISION # NA		009

TREE PROTECTION



		DATE	06/20/24
		SCALE	1" = 60'-0"
Tree Mitigation Plan RACETRAC #xxx - Summerfield EDO S US Hwy 441 @ SE Sunset Harbor Rd. SUMMERFIELD, FL, Marion County		DRAWN-BY	AP
		PROJECT NUMBER:	024-037
		SHEET NO.	L1.02
		VERSION	0
		REVISIONS	
		BY	
		DATE	

LANDSCAPE NOTES SCHEDULE

SYMBOL	DESCRIPTION
L-101	Landscape contractor is responsible for all materials and all work as called for on the Landscape Plans. The Plant List quantities provided are to be used strictly as a guide. It is the Landscape Contractors duty to field verify all quantities and notify any modifications to Mills Design Group (MDG) at the time of bidding.
L-102	Contractor shall familiarize himself/herself with existing site conditions prior to imitating planting. All existing site furnishings, paving, landscape, and other elements to remain shall be protected from any damage unless otherwise noted.
L-103	Contractor shall notify all necessary utility companies 48 hours minimum prior to digging for verification of all underground utilities, irrigation and all other obstructions and coordinate with Owner's Representative prior to initiating operations. Drawings are prepared according to the best information available at the time of preparing these documents.
L-104	The Contractor shall be responsible for removing existing groundcover for all planting beds as specified prior to planting installation.
L-105	All plants must meet Florida No. 1 Grade or better as outlined under Grades and Standards for Nursery Plants, Division of Plant Industry, State of Florida.
L-106	The Landscape Contractor shall review architectural engineering plans and become thoroughly familiar with surface and subsurface utilities. The Landscape Contractor shall coordinate with other trades to prevent conflicts, and shall coordinate the planting with the irrigation work to assure availability and proper location of irrigation items.
L-107	The Landscape Contractor shall be wholly responsible for stability and plumb condition of all trees and shrubs and be legally liable for any damage caused by instability of any plants. The Landscape Contractor shall determine trees to be staked or guyed. If necessary, guying and staking shall be done by a method approved by MDG prior to installation. It shall be the responsibility of the Landscape Contractor to remove guys and stakes after new root growth is firmly established. Landscape Contractor must remove Burlap from all trees prior to installation.
L-108	The Landscape Contractor shall insure that any of his work will not interrupt any existing or projected on-site drainage patterns. It is Necessary for the Landscape Contractor to Provide Proper drainage in all plant beds, planters and sod areas.
L-109	Landscape Contractor shall field adjust location of plant material as necessary to avoid damage to all existing underground utilities and/or existing above ground elements. All changes required shall be completed at the Contractor's expense and shall be coordinated with the Owner's Representative and the Landscape Architects.
L-110	Any substitutions in size and/or plant material must be approved by the Landscape Architect. All plants will be subject to approval by the Landscape Architect and/or Owner's representative before planting can begin.
L-111	Contractor shall refer to the landscape planting details, plant list and general notes for further and complete landscape planting instructions.
L-112	Landscape Contractor shall coordinate all planting work with Irrigation work. Landscape Contractor shall be responsible for all hand watering as required by Owner's Representative to supplement irrigation water and rainfall. Landscape contractor shall be responsible for hand water in all planting area, regardless of the status of existing or proposed irrigation.
L-113	Grass: All grass shall be recognized TBD. Grass must be weed free at time of install. The Landscape Contractor is responsible for measuring and determining the exact amount required.
L-114	Mulch: All plants shall be dressed with 2"-3" tan river rock with steel flex edging and filter fabric as required.
L-115	The irrigation is designed as a permanent system and to provide 100% coverage.
L-116	The container size for the specified plant material must meet or exceed the plant material size specified in the plant schedule. The Landscape Architect and/or Owners representative may reject subpar plant material.

PLANT SCHEDULE

SYMBOL	CODE	QTY	COMMON NAME	BOTANICAL NAME	CONT	SIZE	CAL.	CT	WATER	NATIVE	REMARKS	
LARGE TREES												
	AR	46	Florida Flame Red Maple	Acer rubrum 'Florida Flame'	65 Gal	13' - 15' Ht X 5' - 7' Sprd	3.5"	5'	Low	Native	Well Developed Specimen, Single Straight Trunk	
	MB	5	Bracken's Southern Magnolia	Magnolia grandiflora 'Brackens Brown Beauty'	65 Gal	11' Ht x 5' Sprd	3.5"		Low	Yes	Full, Well Developed Pyramidal Form	
	QC	11	Cathedral Live Oak	Quercus virginiana 'Cathedral'	65 Gal	13' x 15' Ht x 6'-8' Sprd	3.5"	6'	Low	Native	Well Developed Specimen, Single Straight Trunk	
	TD	3	Bald Cypress	Taxodium distichum	65 Gal	13' - 15' Ht X 5' - 7' Sprd	3.5"	4'	Low	Native	Specimen Form, Single Straight Trunk	
SMALL TREES												
	IE	24	Eagleston Holly	Ilex x attenuata 'Eagleston'	30 Gal	9' Ht x 3.5' Sprd	2.5"	3'	Low	Native	Specimen Form, Single Straight Trunk; Full Head	
	LIP	28	Purple Crape Myrtle	Lagerstroemia fauriei 'Muskogee'	65 Gal	8'-10' Ht X 5' Sprd			Low	Native	Multi Trunk Tree Form, 3 - 5 Trunks	
	LJT	15	Japanese Privet	Ligustrum japonicum	B&B	10' Ht x 10' Sprd			Medium	Non-Native	7-9 Main Trunks; Well Developed Specimen Form	
PALM TREES												
	SP	22	Cabbage Palmetto	Sabal palmetto	10' CT				Low	Native	Bare Root, Full Well Developed Head, single straight heavy trunk w/out boots	
	SP2	14	Cabbage Palmetto	Sabal palmetto	14' CT				Low	Native	Bare Root, Full Well Developed Head, single straight heavy trunk w/out boots	
	SP3	12	Cabbage Palmetto	Sabal palmetto	18' CT				Low	Native	Bare Root, Full Well Developed Head, single straight heavy trunk w/out boots	
SYMBOL	CODE	QTY	COMMON NAME	BOTANICAL NAME	CONT	SIZE	WATER	NATIVE	REMARKS			
SHRUBS												
	PM	68	Podocarpus	Podocarpus macrophyllus	15 Gal	4' Ht X 2' Min Sprd	Medium	Native	4' ht. X 2' min. sprd.; very full specimens			
	VS	79	Sandankwa Viburnum	Viburnum suspensum	7 Gal	30" OA	Low	Native	Full and Bushy Plans, 30" min Height at Planting			
HEDGES												
	VW	486	Walter's Viburnum	Viburnum obovatum	7 Gal	30" OA	Low	Native	Full & Bushy			
SYMBOL	CODE	QTY	COMMON NAME	BOTANICAL NAME	CONT	SIZE	WATER	NATIVE	SPACING	REMARKS		
SHRUB AREAS												
	BH	254	Compact Bougainvillea	Bougainvillea x 'Helen Johnson'	7 Gal	24" Ht x 18" Sprd	Low	Non-Native	24" o.c.	Full & Bushy		
	IVS	140	Schillings Holly	Ilex vomitoria 'Schillings'	3 Gal	12" x 15" OA	Low	Native	30" o.c.	Full & Bushy Specimen		
	LCC	430	Red Chocolate Plum Loropetalum	Loropetalum chinense rubrum 'Red Chocolate' TM	3 Gal	15" - 18" OA	Low	Native	30" o.c.	Full & Bushy		
	MG	758	Pink Muhly Grass	Muhlenbergia capillaris	3 Gal	24" Ht	Low	Native	36" o.c.	Full & Bushy Plants		
	PA	46	Plumbago	Plumbago auriculata 'Imperial Blue'	3 Gal	18" - 24" OA	High	Non-Native	30" o.c.	Full & Bushy		
	RR	205	Knockout Rose	Rosa x 'Knockout' TM	3 Gal	18" OA	Medium	Non-Native	30" o.c.	Full and bushy		
	SA	706	Dwarf Variegated Schefflera	Schefflera arboricola 'Variegata'	3 Gal	16" - 18" OA	Low	Non-Native	30" o.c.	Full & Bushy		
	ZP	1,267	Coontie	Zamia pumila	3 Gal	18" OA	Low	Native	30" o.c.	Full Plants		
GROUND COVERS												
	LMG	435	Evergreen Giant Border Grass	Liriope muscari 'Evergreen Giant'	1 Gal	12" OA	Low	Native	18" o.c.	Full Plants		
	MI	1,052	African Iris	Moraea iridioides	1 Gal	18" OA	Low	Non-Native	18" o.c.	Full plants		
SOD/SEED												
	PNS	339,605 sf	Bahia Grass	Paspalum notatum 'Argentine'	N/A	N/A	Low	No		Solid Sod from Pallets, Weed & Pest Free		

PARCEL ID # FOR PARCEL A: 4596-000-00
 PARCEL ID # FOR PARCEL B: 46008-001-00
 DESCRIPTION:

NO.	REVISIONS	BY	DATE



THESE PLANS ARE SUBJECT TO FEDERAL COPYRIGHT LAWS. ANY USE OF SAME WITHOUT THE EXPRESSED WRITTEN PERMISSION OF RACETRAC PETROLEUM, INC. IS PROHIBITED.



Landscape Notes & Schedule
 RACETRAC #xxx - Summerfield EDO
 S US Hwy 441 @ SE Sunset Harbor Rd.
 SUMMERFIELD, FL, Marion County

LANDSCAPE CODE REQUIREMENTS SCHEDULE

SYMBOL	General Notes DESCRIPTION	QTY
	CANOPY TREES REQUIRED OFF S US 441	26
	UNDERSTORY TREES REQUIRED OFF S US 441	39
	CANOPY TREES REQUIRED OFF SE SUNSET HARBOR RD.	14
	UNDERSTORY TREES REQUIRED OFF SE SUNSET HARBOR RD.	21

ROADWAY FRONTAGE BUFFER REQUIREMENTS TYPE 'C' PUBLIC COMMERCIAL			
Buffer Type 'C' Requirements for S US 441		Provided Landscape for S US 441	
LF of Roadway Frontage	1,293'	LF of Roadway Frontage	1066'
	QTY.		QTY.
# of Canopy Trees Required	26	# of Canopy Trees Provided	28
# of Understory Trees Required	39	# of Understory Trees Provided	42
# of Shrubs Required	50%	# of Shrubs Provided	YES
(3) Palms = (1) Canopy Tree			
Buffer Type 'C' Requirements for SE Sunset Harbor Rd.		Provided Landscape for SE Sunset Harbor Rd.	
LF of Roadway Frontage	738'	LF of Roadway Frontage	738'
	QTY.		QTY.
# of Canopy Trees Required	14	# of Canopy Trees Provided	18
# of Understory Trees Required	21	# of Understory Trees Provided	21
# of Shrubs Required	50%	# of Shrubs Provided	YES
(3) Palms = (1) Canopy Tree			

LANDSCAPE REQUIREMENTS FOR PARKING AREAS
43 Parking Spaces Total @ 15 SF of Landscape for each Parking Space
645 SF OF INTERIOR LANDSCAPE REQUIRED
6,095SF OF INTERIOR LANDSCAPE PROVIDED
Total Vehicle Use Impervious Area of the Site = 203,213 SF
Total Landscape Area of the Site Provided = 333,236 SF
45% Landscape Area Required. 55% Landscape Area Provided.
SHADE TREE REQUIREMENTS
1 Shade Tree for Every 3,000 S.F.
SITE = 12.83 Acres = 559,142 S.F.
186 Trees are to be Required
65 Canopy Trees have been Provided
48 Palms have been Provided, (3) Palms = 1 Canopy Tree
Total Number of Canopy Trees = 81

DATE	06/20/24
SCALE	N/A
DRAWN-BY	AP
PROJECT NUMBER:	024-037
L1.10	0
SHEET NO.	VERSION



PLANT SCHEDULE

SYMBOL CODE BOTANICAL / COMMON NAME

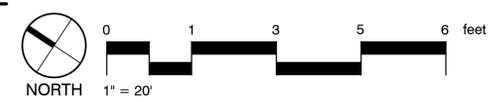
- LARGE TREES**
- AR Acer rubrum 'Florida Flame'
Florida Flame Red Maple
 - MB Magnolia grandiflora 'Brackens Brown Beauty'
Brackens Southern Magnolia
 - QC Quercus virginiana 'Cathedral'
Cathedral Live Oak
 - TD Taxodium distichum
Bald Cypress
- SMALL TREES**
- IE Ilex x attenuata 'Eagleston'
Eagleston Holly
 - LIP Lagerstroemia fauriei 'Muskogee'
Purple Crape Myrtle
 - LJT Ligustrum japonicum
Japanese Privet
- PALM TREES**
- SP Sabal palmetto
Cabbage Palmetto
 - SP2 Sabal palmetto
Cabbage Palmetto
 - SP3 Sabal palmetto
Cabbage Palmetto
- SHRUBS**
- PM Podocarpus macrophyllus
Podocarpus
 - VS Viburnum suspensum
Sandankwa Viburnum
- SHRUB AREAS**
- BH Bougainvillea x 'Helen Johnson'
Compact Bougainvillea
 - IVS Ilex vomitoria 'Schillings'
Schillings Holly
 - LCC Loropetalum chinense rubrum 'Red Chocolate'
TM
 - MG Red Chocolate Plum Loropetalum
Muhlenbergia capillaris
 - PA Pink Muhly Grass
 - RA Plumbago auriculata 'Imperial Blue'
Plumbago
 - SA Rosa x 'Knockout' TM
Knockout Rose
 - ZP Schefflera arboricola 'Variegata'
Dwarf Variegated Schefflera
 - ZP Zamia pumila
Coontie
- GROUND COVERS**
- LMG Liriope muscari 'Evergreen Giant'
Evergreen Giant Border Grass
 - MI Moreea iridioides
African Iris
- SOD/SEED**
- PNS Paspalum notatum 'Argentine'
Bahia Grass



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Landscape Plan	
RACETRAC #xxx - Summerfield EDO	
S US Hwy 441 @ SE Sunset Harbor Rd. SUMMERFIELD, FL, Marion County	
DATE	06/20/24
SCALE	1" = 20'-0"
DRAWN-BY	AP
PROJECT NUMBER:	024-037
SHEET NO.	L1.11
VERSION	0



LANDSCAPE NOTES SCHEDULE

SYMBOL	DESCRIPTION
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L-103	Contractor shall notify all necessary utility companies 48 hours minimum prior to digging for verification of all underground utilities, irrigation and all other obstructions and coordinate with Owner's Representative prior to initiating operations. Drawings are prepared according to the best information available at the time of preparing these documents.
L-104	The Contractor shall be responsible for removing existing groundcover for all planting beds as specified prior to planting installation.
L-105	All plants must meet Florida No. 1 Grade or better as outlined under Grades and Standards for Nursery Plants, Division of Plant Industry, State of Florida.
L-106	The Landscape Contractor shall review architectural engineering plans and become thoroughly familiar with surface and subsurface utilities. The Landscape Contractor shall coordinate with other trades to prevent conflicts, and shall coordinate the planting with the irrigation work to assure availability and proper location of irrigation items.
L-107	The Landscape Contractor shall be wholly responsible for stability and plumb condition of all trees and shrubs and be legally liable for any damage caused by instability of any plants. The Landscape Contractor shall determine trees to be staked or guyed. If necessary, guying and staking shall be done by a method approved by MDG prior to installation. It shall be the responsibility of the Landscape Contractor to remove guys and stakes after new root growth is firmly established. Landscape Contractor must remove Burlap from all trees prior to installation.
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L-109	Landscape Contractor shall field adjust location of plant material as necessary to avoid damage to all existing underground utilities and/or existing above ground elements. All changes required shall be completed at the Contractor's expense and shall be coordinated with the Owner's Representative and the Landscape Architects.
L-110	Any substitutions in size and/or plant material must be approved by the Landscape Architect. All plants will be subject to approval by the Landscape Architect and/or Owner's representative before planting can begin.
L-111	Contractor shall refer to the landscape planting details, plant list and general notes for further and complete landscape planting instructions.
L-112	Landscape Contractor shall coordinate all planting work with Irrigation work. Landscape Contractor shall be responsible for all hand watering as required by Owner's Representative to supplement irrigation water and rainfall. Landscape contractor shall be responsible for hand water in all planting area, regardless of the status of existing or proposed irrigation.
L-113	Grass: All grass shall be recognized TBD. Grass must be weed free at time of install. The Landscape Contractor is responsible for measuring and determining the exact amount required.
L-114	Mulch: All plants shall be dressed with 2"-3" tan river rock with steel flex edging and filter fabric as required.
L-115	The irrigation is designed as a permanent system and to provide 100% coverage.
L-116	The container size for the specified plant material must meet or exceed the plant material size specified in the plant schedule. The Landscape Architect and/or Owners representative may reject subpar plant material.

PLANT SCHEDULE

SYMBOL	CODE	QTY	COMMON NAME	BOTANICAL NAME	CONT	SIZE	CAL.	CT	WATER	NATIVE	REMARKS	
LARGE TREES												
	AR	34	Florida Flame Red Maple	Acer rubrum 'Florida Flame'	65 Gal	13' - 15' Ht X 5' - 7' Sprd	3.5"	5'	Low	Native	Well Developed Specimen, Single Straight Trunk	
	MB	3	Bracken's Southern Magnolia	Magnolia grandiflora 'Brackens Brown Beauty'	65 Gal	11' Ht x 5' Sprd	3.5"		Low	Yes	Full, Well Developed Pyramidal Form	
	QC	11	Cathedral Live Oak	Quercus virginiana 'Cathedral'	65 Gal	13' x 15' Ht x 6'-8' Sprd	3.5"	6'	Low	Native	Well Developed Specimen, Single Straight Trunk	
	TD	3	Bald Cypress	Taxodium distichum	65 Gal	13' - 15' Ht X 5' - 7' Sprd	3.5"	4'	Low	Native	Specimen Form, Single Straight Trunk	
SMALL TREES												
	IE	18	Eagleston Holly	Ilex x attenuata 'Eagleston'	30 Gal	9' Ht x 3.5' Sprd	2.5"	3'	Low	Native	Specimen Form, Single Straight Trunk; Full Head	
	LIP	20	Purple Crape Myrtle	Lagerstroemia fauriei 'Muskogee'	65 Gal	8'-10' Ht X 5' Sprd			Low	Native	Multi Trunk Tree Form, 3 - 5 Trunks	
	LJT	11	Japanese Privet	Ligustrum japonicum	B&B	10' Ht x 10' Sprd			Medium	Non-Native	7-9 Main Trunks; Well Developed Specimen Form	
PALM TREES												
	SP	22	Cabbage Palmetto	Sabal palmetto	10' CT				See Cont	Low	Native	Bare Root, Full Well Developed Head, single straight heavy trunk w/out boots
	SP2	12	Cabbage Palmetto	Sabal palmetto	14' CT				See Cont	Low	Native	Bare Root, Full Well Developed Head, single straight heavy trunk w/out boots
	SP3	8	Cabbage Palmetto	Sabal palmetto	18' CT				See Cont	Low	Native	Bare Root, Full Well Developed Head, single straight heavy trunk w/out boots
SYMBOL	CODE	QTY	COMMON NAME	BOTANICAL NAME	CONT	SIZE	WATER	NATIVE			REMARKS	
SHRUBS												
	PM	97	Podocarpus	Podocarpus macrophyllus	15 Gal	4' Ht X 2' Min Sprd	Medium	Native			4' ht. X 2' min. sprd.; very full specimens	
	VS	469	Sandankwa Viburnum	Viburnum suspensum	7 Gal	30" OA	Low	Native			Full and Bushy Plants, 30" min Hight at Planting	
SYMBOL	CODE	QTY	COMMON NAME	BOTANICAL NAME	CONT	SIZE	WATER	NATIVE	SPACING	REMARKS		
SHRUB AREAS												
	BH	254	Compact Bougainvillea	Bougainvillea x 'Helen Johnson'	7 Gal	24" Ht x 18" Sprd	Low	Non-Native	24" o.c.	Full & Bushy		
	IVS	142	Schillings Holly	Ilex vomitoria 'Schillings'	3 Gal	12" x 15" OA	Low	Native	30" o.c.	Full & Bushy Specimen		
	LCC	322	Red Chocolate Plum Loropetalum	Loropetalum chinense rubrum 'Red Chocolate' TM	3 Gal	15" - 18" OA	Low	Native	30" o.c.	Full & Bushy		
	MG	746	Pink Muhly Grass	Muhlenbergia capillaris	3 Gal	24" Ht	Low	Native	36" o.c.	Full & Bushy Plants		
	PA	46	Plumbago	Plumbago auriculata 'Imperial Blue'	3 Gal	18" - 24" OA	High	Non-Native	30" o.c.	Full & Bushy		
	RR	205	Knockout Rose	Rosa x 'Knockout' TM	3 Gal	18" OA	Medium	Non-Native	30" o.c.	Full and bushy		
	SA	320	Dwarf Variegated Scheffera	Scheffera arboricola 'Variegata'	3 Gal	16" - 18" OA	Low	Non-Native	30" o.c.	Full & Bushy		
	ZP	810	Coontie	Zamia pumila	3 Gal	18" OA	Low	Native	30" o.c.	Full Plants		
GROUND COVERS												
	LMG	435	Evergreen Giant Border Grass	Liriope muscari 'Evergreen Giant'	1 Gal	12" OA	Low	Native	18" o.c.	Full Plants		
	MI	751	African Iris	Moraea iridioides	1 Gal	18" OA	Low	Non-Native	18" o.c.	Full plants		
SOD/SEED												
	PNS	183,405 sf	Bahia Grass	Paspalum notatum 'Argentine'	N/A	N/A	Low	No	Solid Sod from Pallets, Weed & Pest Free			

LANDSCAPE CODE REQUIREMENTS SCHEDULE

SYMBOL	General Notes DESCRIPTION	QTY
	CANOPY TREES REQUIRED OFF US 27/441	20
	UNDERSTORY TREES REQUIRED OFF US 27/441	30
	CANOPY TREES REQUIRED OFF SE 147th Place	8
	UNDERSTORY TREES REQUIRED OFF SE 147th Place	12

ROADWAY FRONTAGE BUFFER REQUIRMENTS TYPE 'C' PUBLIC COMMERCIAL					
Buffer Type 'C' Requirements for US 27/441			Provided Landscape for US 27/441		
LF of Roadway Frontage	1066'	QTY.	LF of Roadway Frontage	1066'	QTY.
# of Canopy Trees Required	20		# of Canopy Trees Provided	20	
# of Understory Trees Required	30		# of Understory Trees Provided	30	
# of Shrubs Required	50%		# of Shrubs Provided	YES	
			(3) Palms = (1) Canopy Tree		
Buffer Type 'C' Requirements for SE 147th Place			Provided Landscape for SE 147th Place		
LF of Roadway Frontage	428'	QTY.	LF of Roadway Frontage	428'	QTY.
# of Canopy Trees Required	8		# of Canopy Trees Provided	10	
# of Understory Trees Required	12		# of Understory Trees Provided	12	
# of Shrubs Required	50%		# of Shrubs Provided	YES	
			(3) Palms = (1) Canopy Tree		

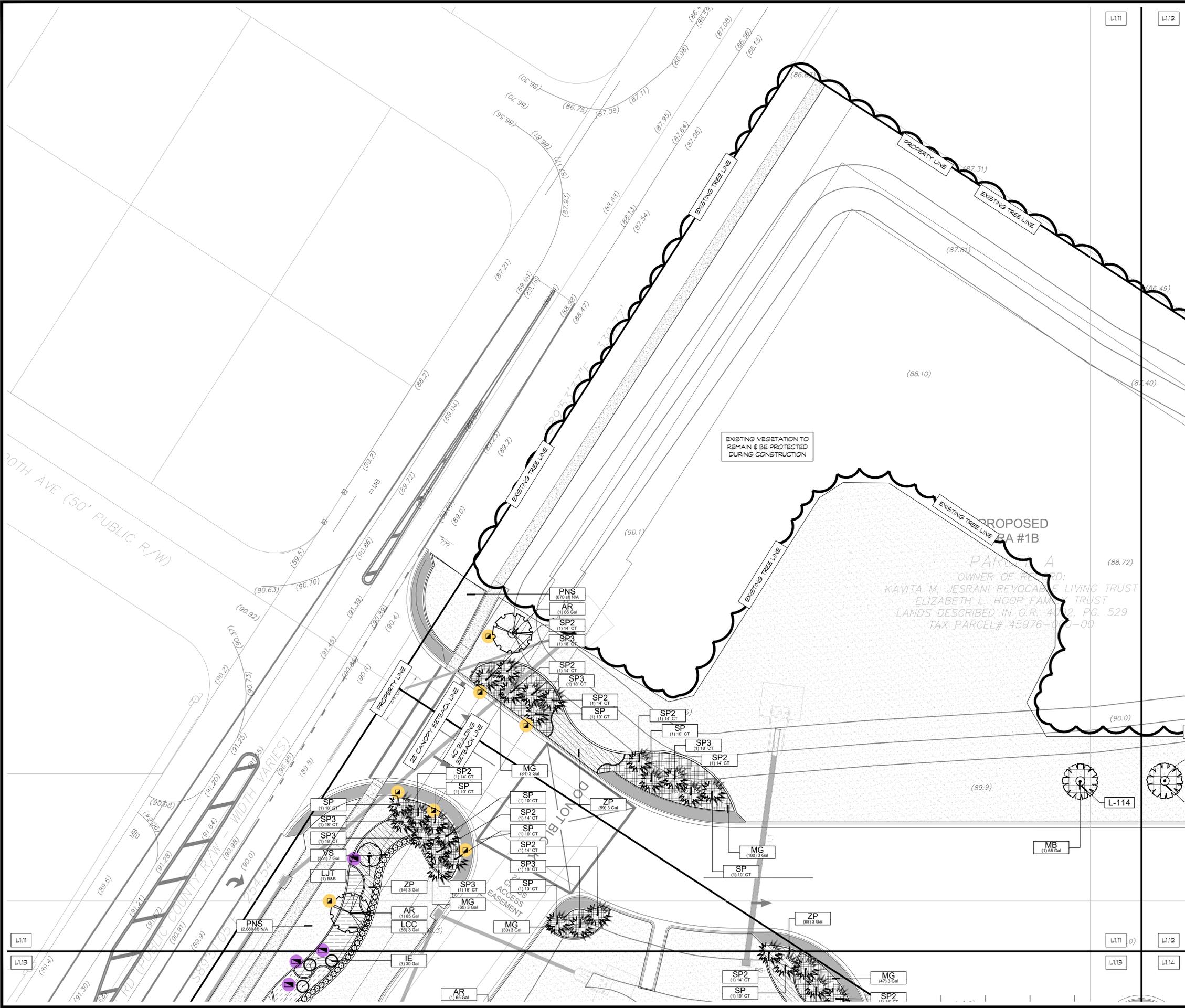
NO.	REVISIONS	BY	DATE



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Landscape Notes & Schedule	
RACETRAC #xxx - Summerfield EDO	S US HWY 441 & SE SUNSET HARBOR RD SUMMERFIELD, FL, Marion County
DATE	01/15/24
SCALE	N/A
DRAWN-BY	AP
PROJECT NUMBER:	024-037
L1.10	0
SHEET NO.	VERSION



PLANT SCHEDULE

SYMBOL CODE BOTANICAL / COMMON NAME

- LARGE TREES**
- AR: Acer rubrum 'Florida Flame' / Florida Flame Red Maple
 - MB: Magnolia grandiflora 'Brackens Brown Beauty' / Bracken's Southern Magnolia
 - QC: Quercus virginiana 'Cathedral' / Cathedral Live Oak
 - TD: Taxodium distichum / Bald Cypress
- SMALL TREES**
- IE: Ilex x attenuata 'Eagleston' / Eagleston Holly
 - LIP: Lagerstroemia fauriei 'Muskogee' / Purple Crape Myrtle
 - LJT: Ligustrum japonicum / Japanese Privet
- PALM TREES**
- SP: Sabal palmetto / Cabbage Palmetto
 - SP2: Sabal palmetto / Cabbage Palmetto
 - SP3: Sabal palmetto / Cabbage Palmetto
- SHRUBS**
- PM: Podocarpus macrophyllus / Podocarpus
 - VS: Viburnum suspensum / Sandankwa Viburnum
- SHRUB AREAS**
- BH: Bougainvillea x 'Helen Johnson' / Compact Bougainvillea
 - IVS: Ilex vomitoria 'Schillings' / Schillings Holly
 - LCC: Loropetalum chinense rubrum 'Red Chocolate' TM / Red Chocolate Plum Loropetalum
 - MG: Muhlenbergia capillaris / Muhlenbergia capillaris
 - PA: Plumbago auriculata 'Imperial Blue' / Imperial Blue Plumbago
 - RA: Rosa x 'Knockout' TM / Knockout Rose
 - SA: Schefflera arboricola 'Variegata' / Dwarf Variegated Schefflera
 - ZP: Zamia pumila / Coontie
- GROUND COVERS**
- LMG: Liriope muscari 'Evergreen Giant' / Evergreen Giant Border Grass
 - MI: Morea iridioides / African Iris
- SOD/SEED**
- PNS: Paspalum notatum 'Argentine' / Bahia Grass

NO.	REVISIONS	BY	DATE



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Landscape Plan

RACETRAC #xxx - Summerfield EDO

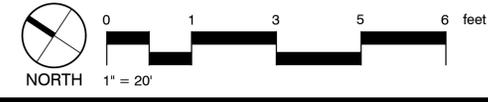
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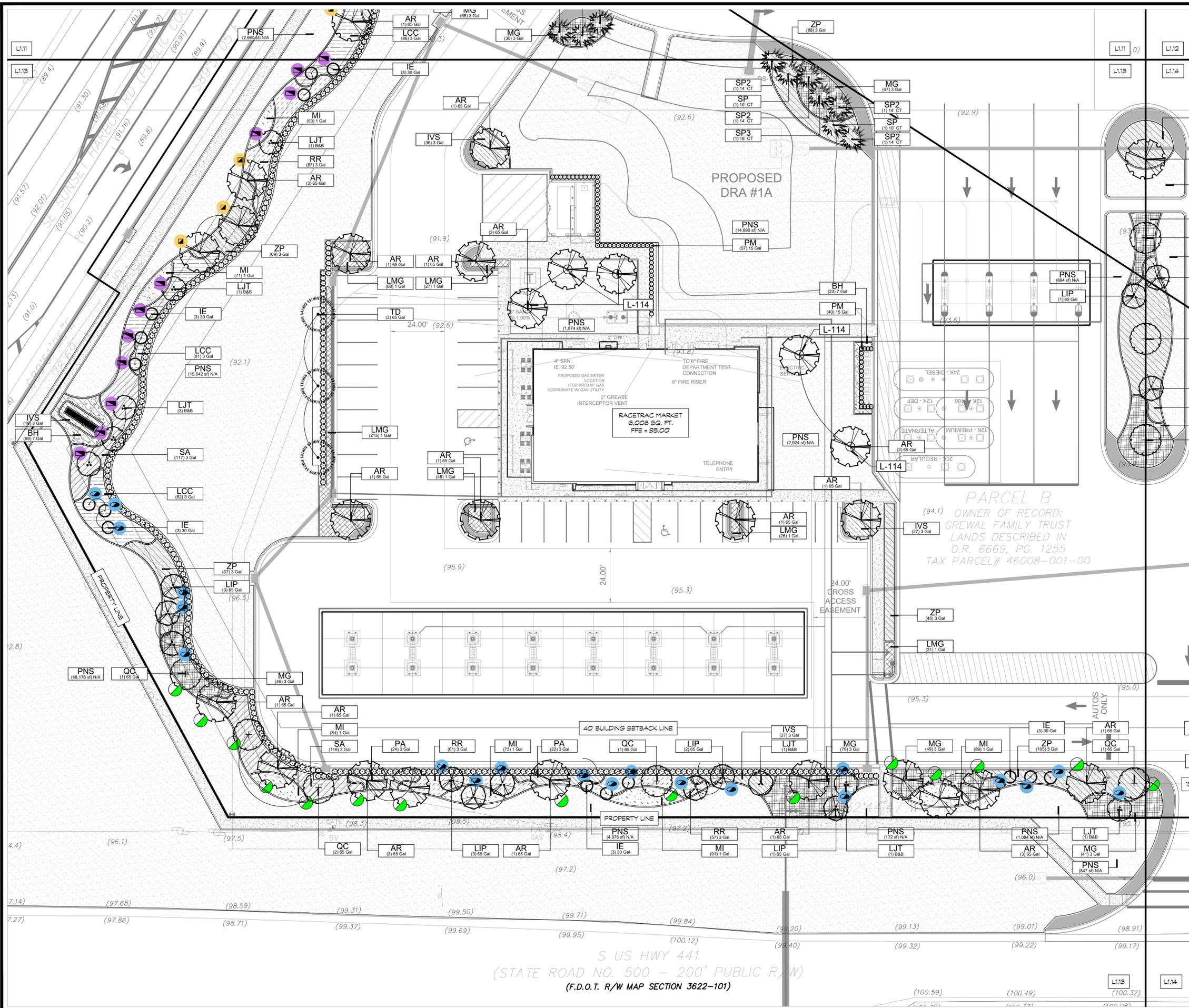
SUMMERFIELD, FL, Marion County

DATE: 01/15/24
 SCALE: 1" = 20'-0"
 DRAWN-BY: AP
 PROJECT NUMBER: 024-037

L1.11 0

SHEET NO. VERSION





PLANT SCHEDULE

SYMBOL	CODE	BOTANICAL / COMMON NAME
LARGE TREES		
AR		Acer rubrum 'Florida Flame' Florida Flame Red Maple
MB		Magnolia grandiflora 'Brackens Brown Beauty' Brackens's Southern Magnolia
QC		Quercus virginiana 'Cathedral' Cathedral Live Oak
TD		Taxodium distichum Bald Cypress
SMALL TREES		
IE		Ilex x attenuata 'Eagleston' Eagleston Holly
LIP		Lagerstroemia fauriei 'Muskogee' Purple Crape Myrtle
LJT		Ligustrum japonicum Japanese Privet
PALM TREES		
SP		Sabal palmetto Cabbage Palmetto
SP2		Sabal palmetto Cabbage Palmetto
SP3		Sabal palmetto Cabbage Palmetto
SHRUBS		
PM		Podocarpus macrophyllus Podocarpus
VS		Viburnum suspensum Sandankwa Viburnum
SHRUB AREAS		
BH		Bougainvillea x 'Helen Johnson' Compact Bougainvillea
IVS		Ilex vomitoria 'Schillings' Schillings Holly
LCC		Loropetalum chinense rubrum 'Red Chocolate' TM
MG		Muhlenbergia capillaris Pink Muhly Grass
PA		Plumbago auriculata 'Imperial Blue' Plumbago
RR		Rosa x 'Knockout' TM Knockout Rose
SA		Schefflera arboricola 'Variegata' Dwarf Variegated Schefflera
ZP		Zamia pumila Coontie
GROUND COVERS		
LMG		Liriope muscari 'Evergreen Giant' Evergreen Giant Border Grass
MI		Moraea iridioides African Iris
SOD/SEED		
PNS		Paspalum notatum 'Argentine' Bahia Grass

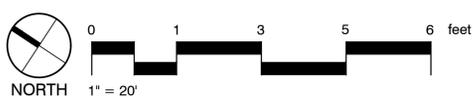


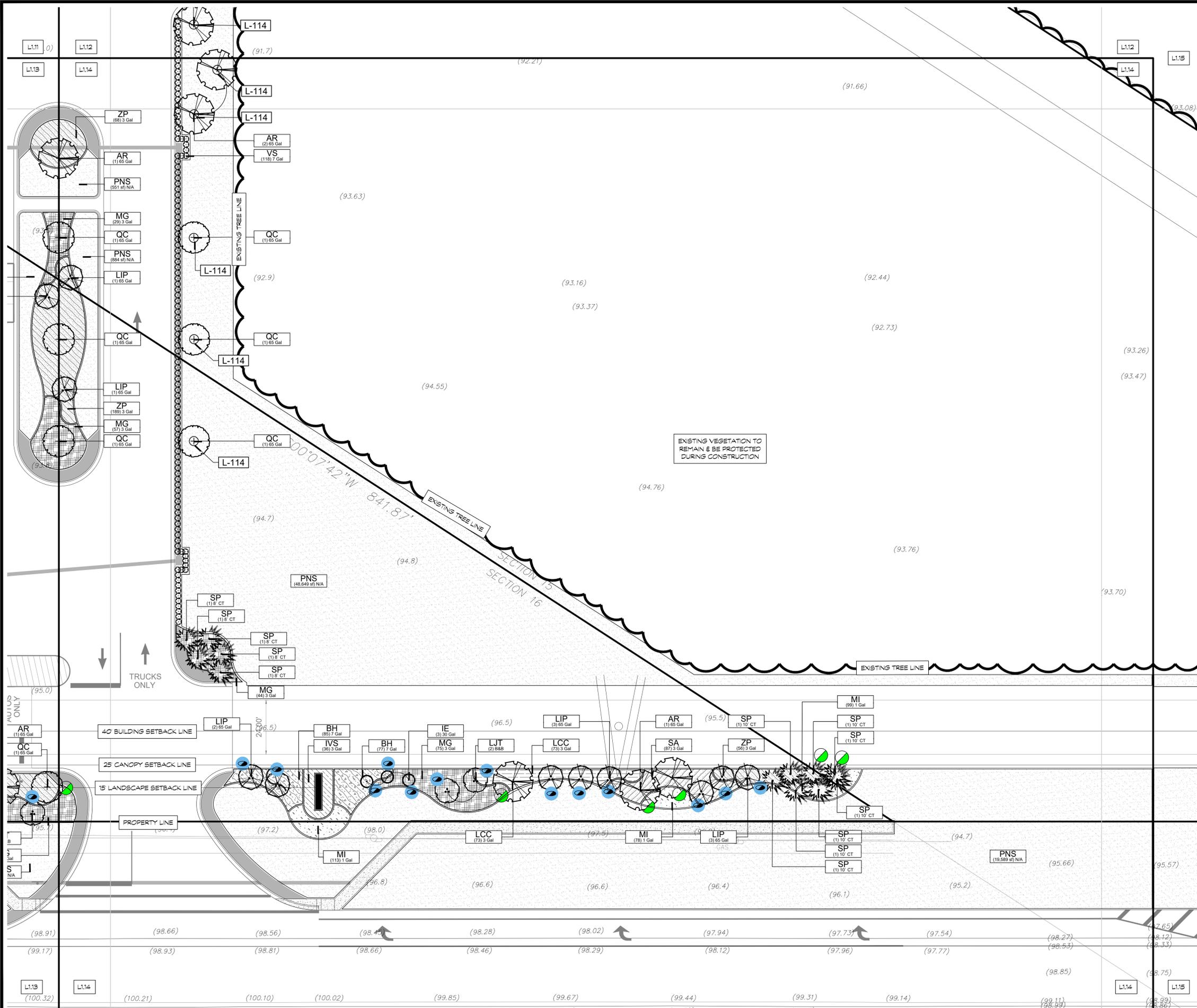
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Landscape Plan
 RACETRAC #xxx - Summerfield EDO
 US 441 @ SE 147th
 SUMMERFIELD, FL, Marion County

DATE	01/15/24
SCALE	1" = 20'-0"
DRAWN-BY	AP
PROJECT NUMBER	024-037
SHEET NO.	L1.13
VERSION	0





PLANT SCHEDULE

SYMBOL	CODE	BOTANICAL / COMMON NAME
LARGE TREES		
	AR	Acer rubrum 'Florida Flame' Florida Flame Red Maple
	MB	Magnolia grandiflora 'Brackens Brown Beauty' Bracken's Southern Magnolia
	QC	Quercus virginiana 'Cathedral' Cathedral Live Oak
	TD	Taxodium distichum Bald Cypress
SMALL TREES		
	IE	Ilex x attenuata 'Eagleston' Eagleston Holly
	LIP	Lagerstroemia fauriei 'Muskogee' Purple Crape Myrtle
	LJT	Ligustrum japonicum Japanese Privet
PALM TREES		
	SP	Sabal palmetto Cabbage Palmetto
	SP2	Sabal palmetto Cabbage Palmetto
	SP3	Sabal palmetto Cabbage Palmetto
SHRUBS		
	PM	Podocarpus macrophyllus Podocarpus
	VS	Viburnum suspensum Sandankwa Viburnum
SHRUB AREAS		
	BH	Bougainvillea x 'Helen Johnson' Compact Bougainvillea
	IVS	Ilex vomitoria 'Schillings' Schillings Holly
	LCC	Loropetalum chinense rubrum 'Red Chocolate' TM
	MG	Red Chocolate Plum Loropetalum Muhlenbergia capillaris
	PA	Pink Muhly Grass
	RR	Plumbago auriculata 'Imperial Blue' Plumbago
	SA	Rosa x 'Knockout' TM Knockout Rose
	ZP	Schefflera arboricola 'Variegata' Dwarf Variegated Schefflera
	ZP	Zamia pumila Coontie
GROUND COVERS		
	LMG	Liriope muscari 'Evergreen Giant' Evergreen Giant Border Grass
	MI	Moraea iridioides African Iris
SOD/SEED		
	PNS	Paspalum notatum 'Argentine' Bahia Grass

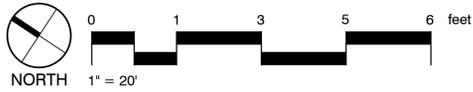


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Landscape Plan
 RACETRAC #xxx - Summerfield EDO
 US 441 @ SE 147th
 SUMMERFIELD, FL, Marion County

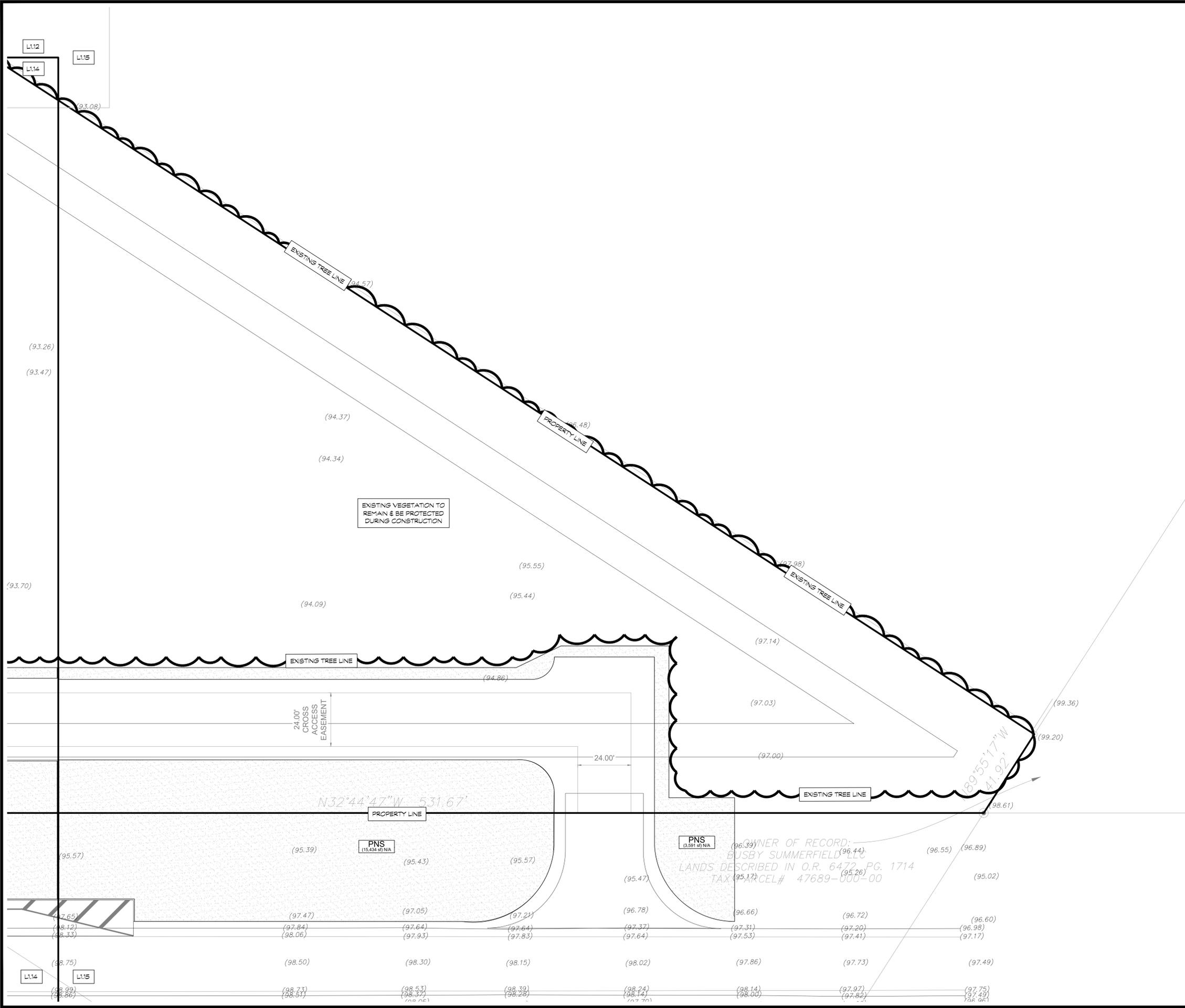
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SCALE	1" = 20'-0"
DRAWN-BY	AP
PROJECT NUMBER:	024-037
SHEET NO.	L1.14
VERSION	0



PLANT SCHEDULE

SYMBOL CODE BOTANICAL / COMMON NAME

SYMBOL	CODE	BOTANICAL / COMMON NAME
LARGE TREES		
	AR	Acer rubrum 'Florida Flame' Florida Flame Red Maple
	MB	Magnolia grandiflora 'Brackens Brown Beauty' Bracken's Southern Magnolia
	QC	Quercus virginiana 'Cathedral' Cathedral Live Oak
	TD	Taxodium distichum Bald Cypress
SMALL TREES		
	IE	Ilex x attenuata 'Eagleston' Eagleston Holly
	LIP	Lagerstroemia fauriei 'Muskogee' Purple Crape Myrtle
	LJT	Ligustrum japonicum Japanese Privet
PALM TREES		
	SP	Sabal palmetto Cabbage Palmetto
	SP2	Sabal palmetto Cabbage Palmetto
	SP3	Sabal palmetto Cabbage Palmetto
SHRUBS		
	PM	Podocarpus macrophyllus Podocarpus
	VS	Viburnum suspensum Sandankwa Viburnum
SHRUB AREAS		
	BH	Bougainvillea x 'Helen Johnson'
	IVS	Compact Bougainvillea
	LCC	Ilex vomitoria 'Schillings' Schillings Holly
	MG	Loropetalum chinense rubrum 'Red Chocolate' TM
	PA	Red Chocolate Plum Loropetalum
	RR	Muhlenbergia capillaris
	SA	Pink Muhly Grass
	ZP	Plumbago auriculata 'Imperial Blue' Plumbago
		Rosa x 'Knockout' TM
		Knockout Rose
		Schefflera arboricola 'Variegata'
		Dwarf Variegated Schefflera
		Zamia pumila
		Coontie
GROUND COVERS		
	LMG	Liriope muscari 'Evergreen Giant' Evergreen Giant Border Grass
	MI	Morea iridioides African Iris
SOD/SEED		
	PNS	Paspalum notatum 'Argentine' Bahia Grass

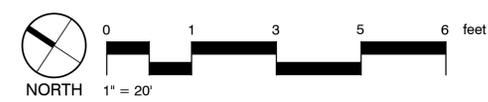


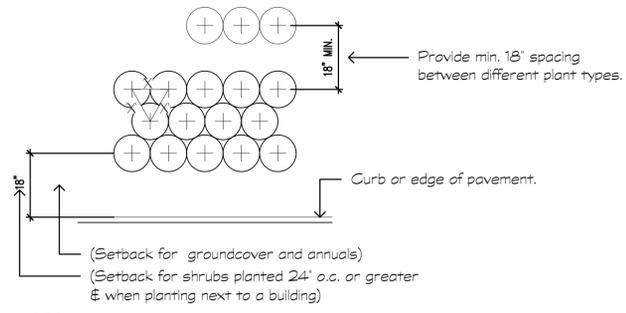
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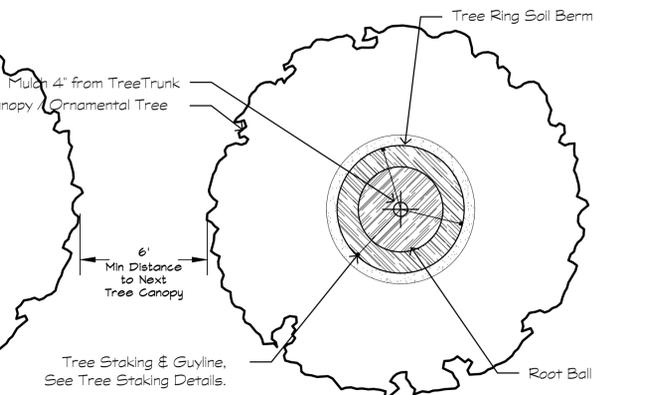
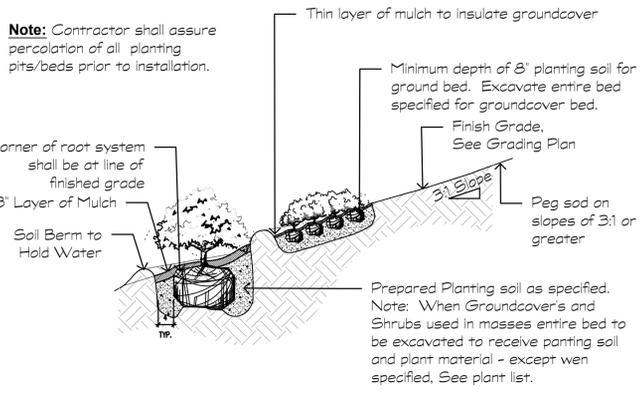
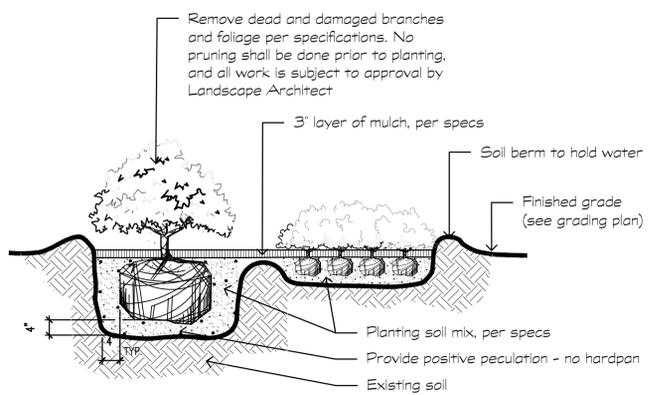
Landscape Plan
 RACETRAC #xxx - Summerfield EDO
 US 441 @ SE 147th
 SUMMERFIELD, FL, Marion County

DATE	01/15/24
SCALE	1" = 20'-0"
DRAWN-BY	AP
PROJECT NUMBER:	024-037
L1.15	0
SHEET NO.	VERSION





NOTE: All shrubs and groundcover masses to use triangular spacing except where noted refer to plant list for individual plant spacing X.

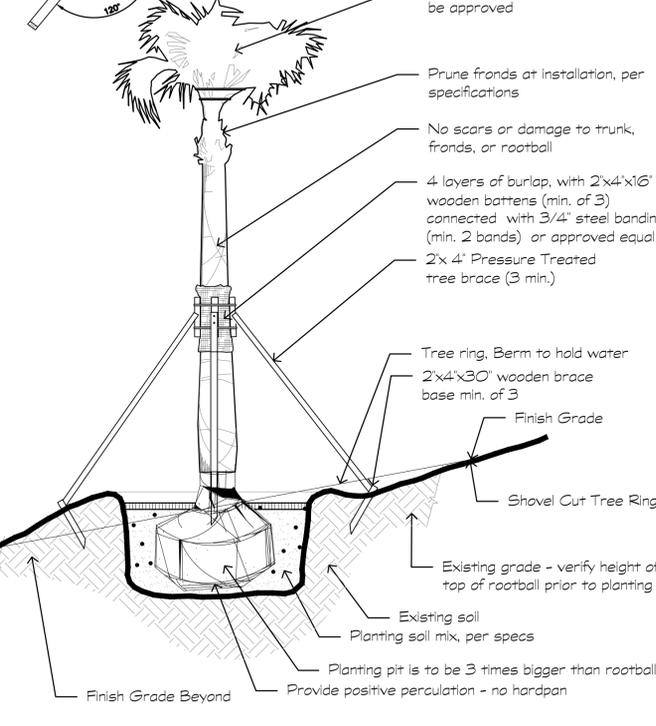
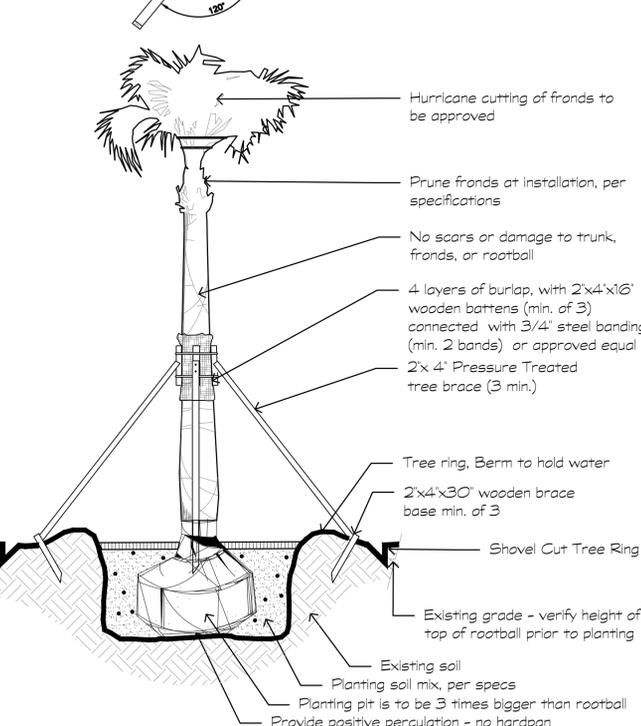
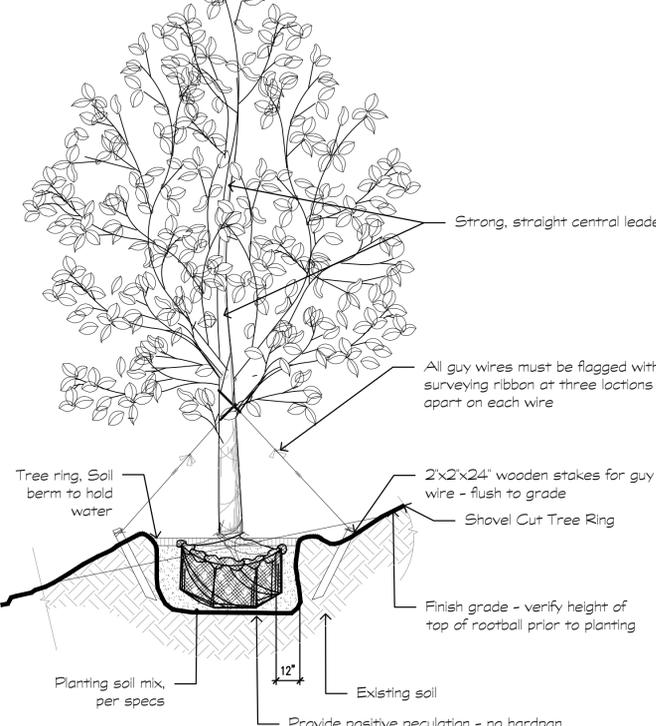
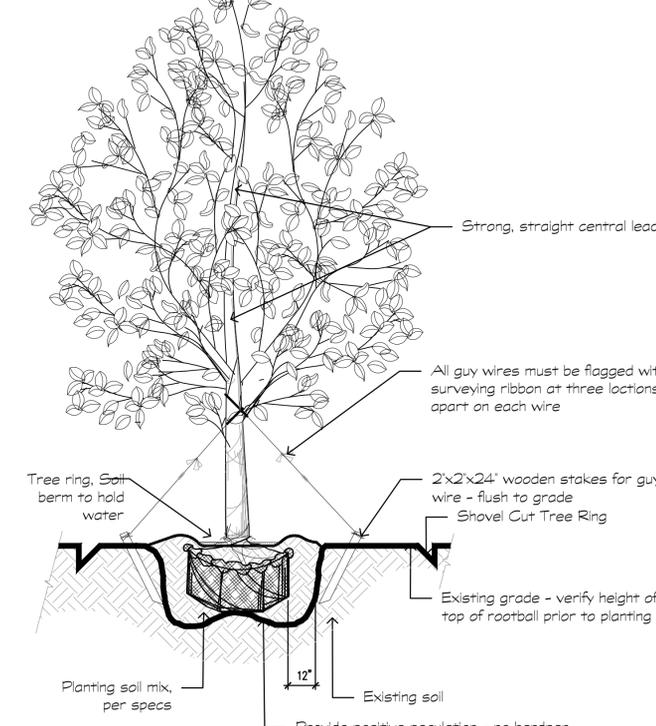
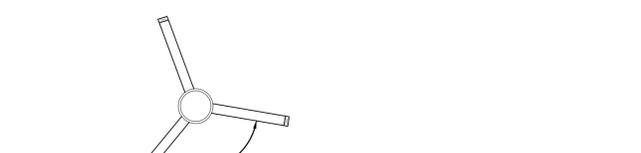
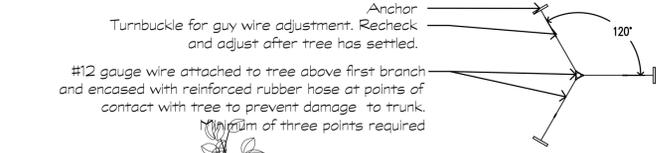
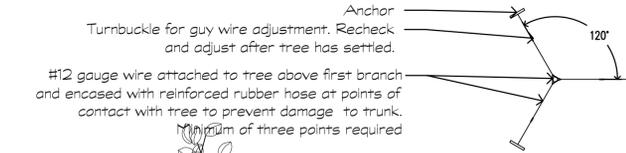


1 SHRUB & GROUND COVER SPACING GUIDE
Scale: NTS

2 SHRUB & GROUND COVER PLANTING DETAIL
Scale: NTS

3 SHRUB AND GROUND COVER ON SLOPE
Scale: NTS

4 MULCHING RING AT TREES
Scale: NTS

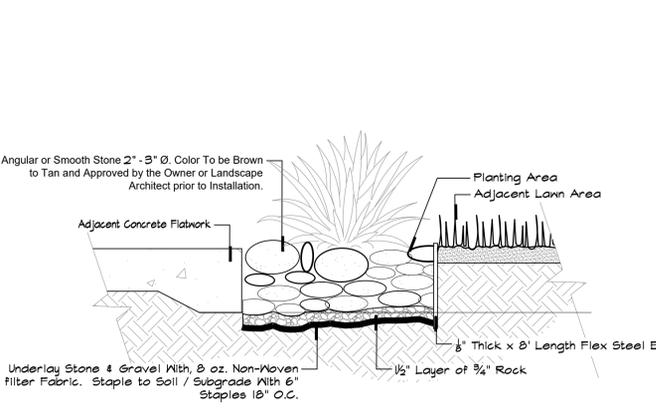
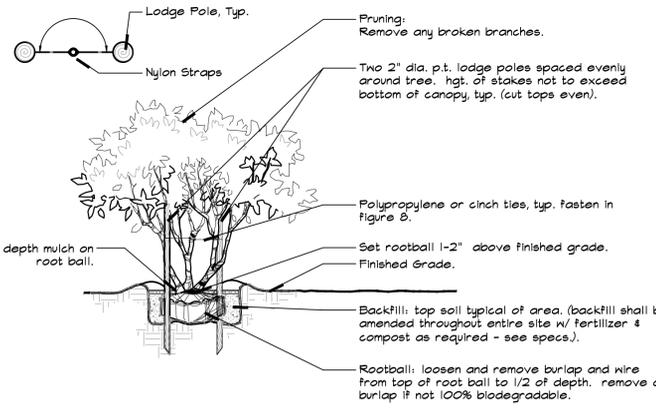


5 TREE STAKING
Scale: NTS

6 TREE STAKING ON SLOPE
Scale: NTS

7 STAKED PALM TREE
Scale: NTS

8 PALM STAKING ON SLOPE
Scale: NTS



9 MULTI-TRUNK TREE DETAIL
Scale: NTS
Ref: Note.

10 RIVER ROCK MULCH IN PLANTING BED
Scale: NTS
Ref: Note.

NO.	REVISIONS	BY	DATE

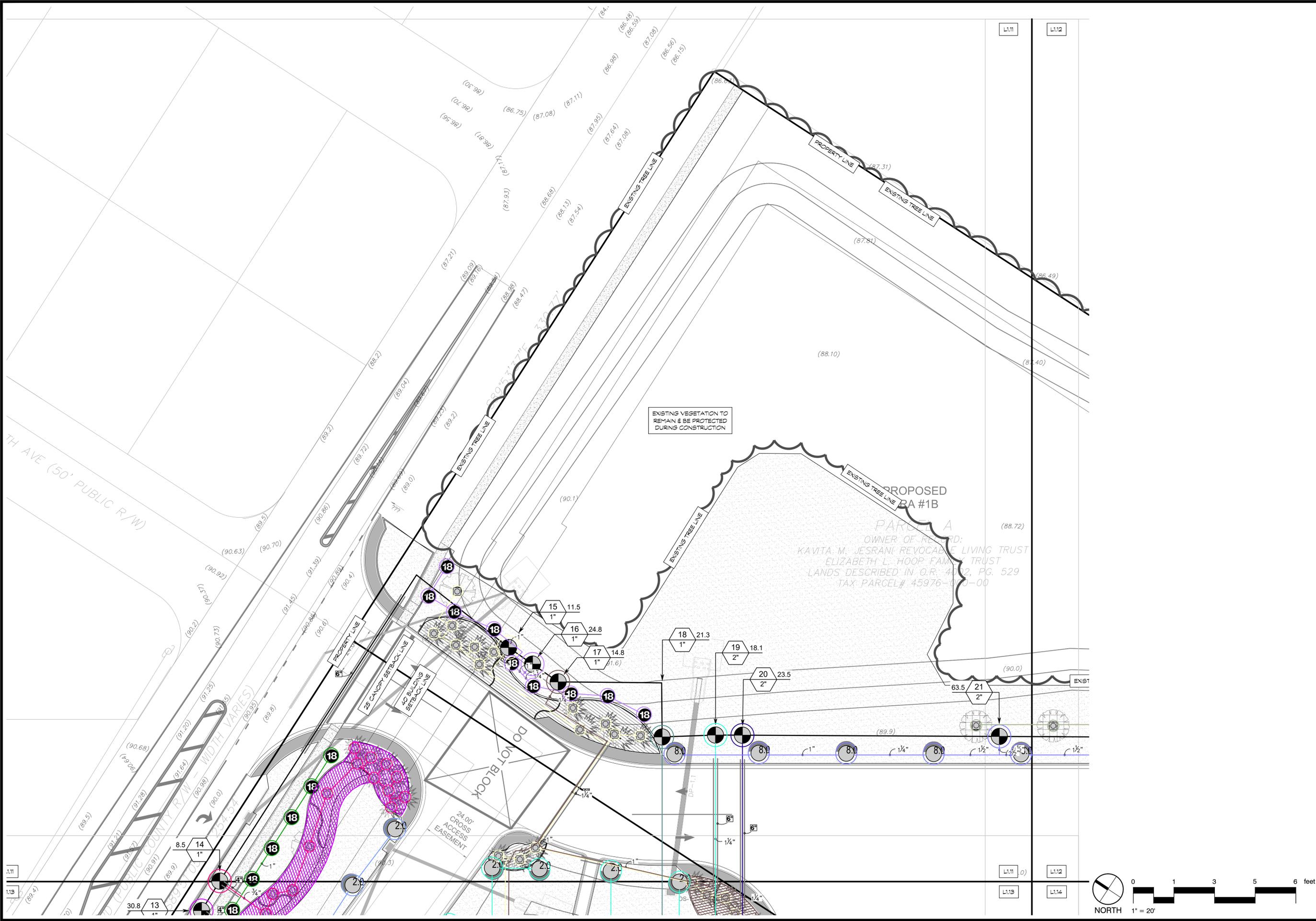
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Landscape Details	
RACETRAC #xxx - Summerfield EDO	US 441 @ SE 147th
SUMMERFIELD, FL, Marion County	
DATE: 01/15/24	SCALE: N/A
DRAWN-BY: AP	PROJECT NUMBER: 024-037
L1.16	0
SHEET NO.	VERSION



EXISTING VEGETATION TO REMAIN & BE PROTECTED DURING CONSTRUCTION

PROPOSED PARCEL A #1B
 OWNER OF RECORD:
 KAVITA M. JESRANI REVOCABLE LIVING TRUST
 ELIZABETH L. HOOP FAMILY TRUST
 LANDS DESCRIBED IN O.R. 4012, PG. 529
 TAX PARCEL# 45976-00-00



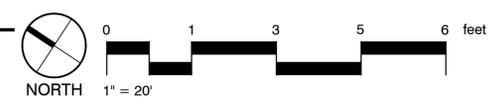
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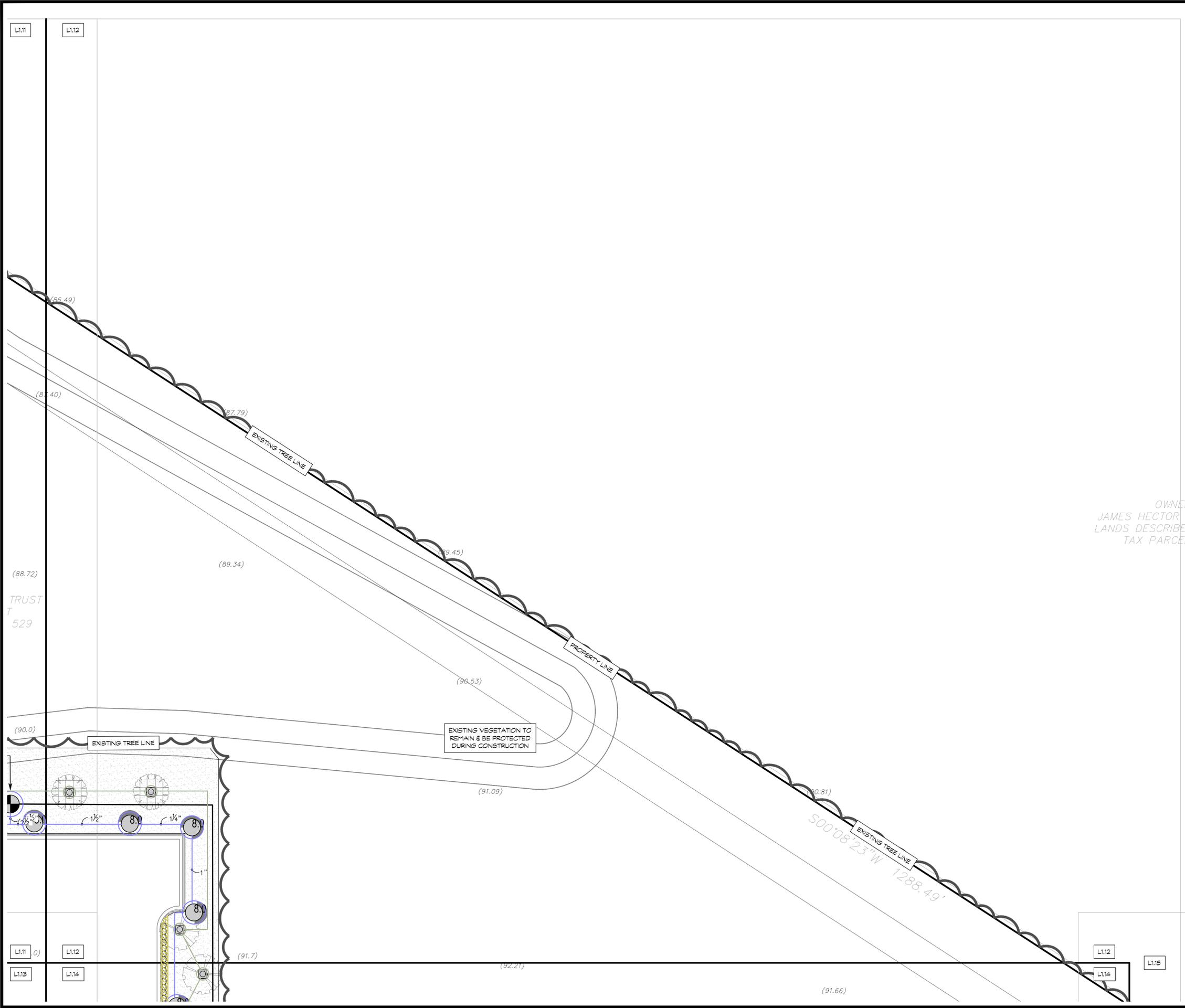


Irrigation Plan
 RACETRAC #xxx - Summerfield EDO
 US 441 @ SE 147th
 SUMMERFIELD, FL, Marion County

DATE	01/15/24
SCALE	1" = 20'-0"
DRAWN-BY	AP
PROJECT NUMBER:	024-037
L.11	0
SHEET NO.	VERSION

NO.	REVISIONS	BY	DATE





OWNER
 JAMES HECTOR A
 LANDS DESCRIBED
 TAX PARCEL 2



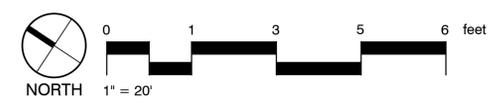
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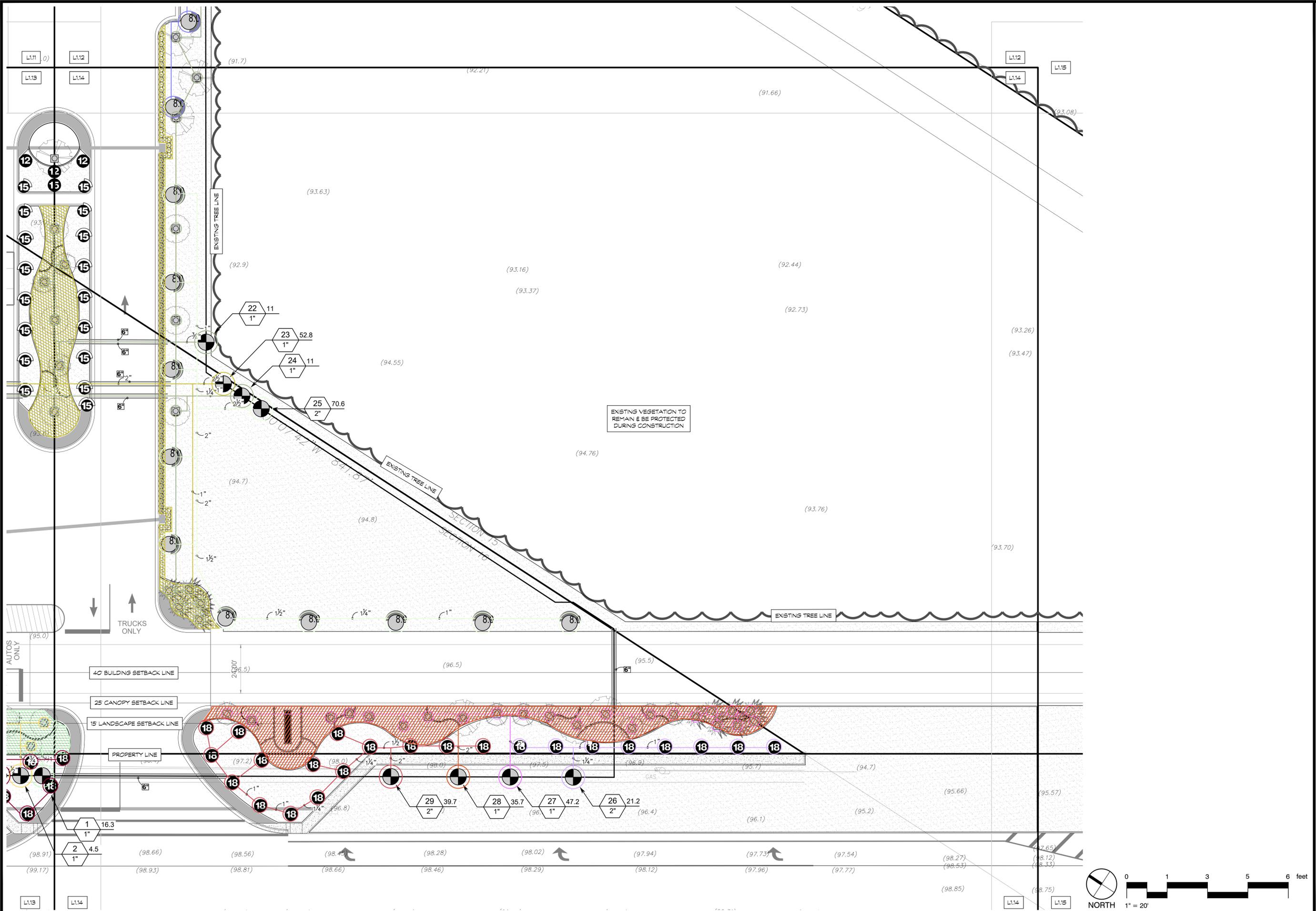


Irrigation Plan
 RACETRAC #xxx - Summerfield EDO
 US 441 @ SE 147th
 SUMMERFIELD, FL, Marion County

DATE	01/15/24
SCALE	1" = 20'-0"
DRAWN-BY	AP
PROJECT NUMBER:	024-037
L2.12	0
SHEET NO.	VERSION

NO.	REVISIONS	BY	DATE





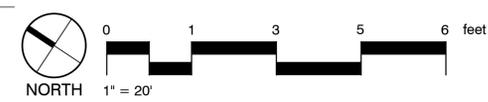
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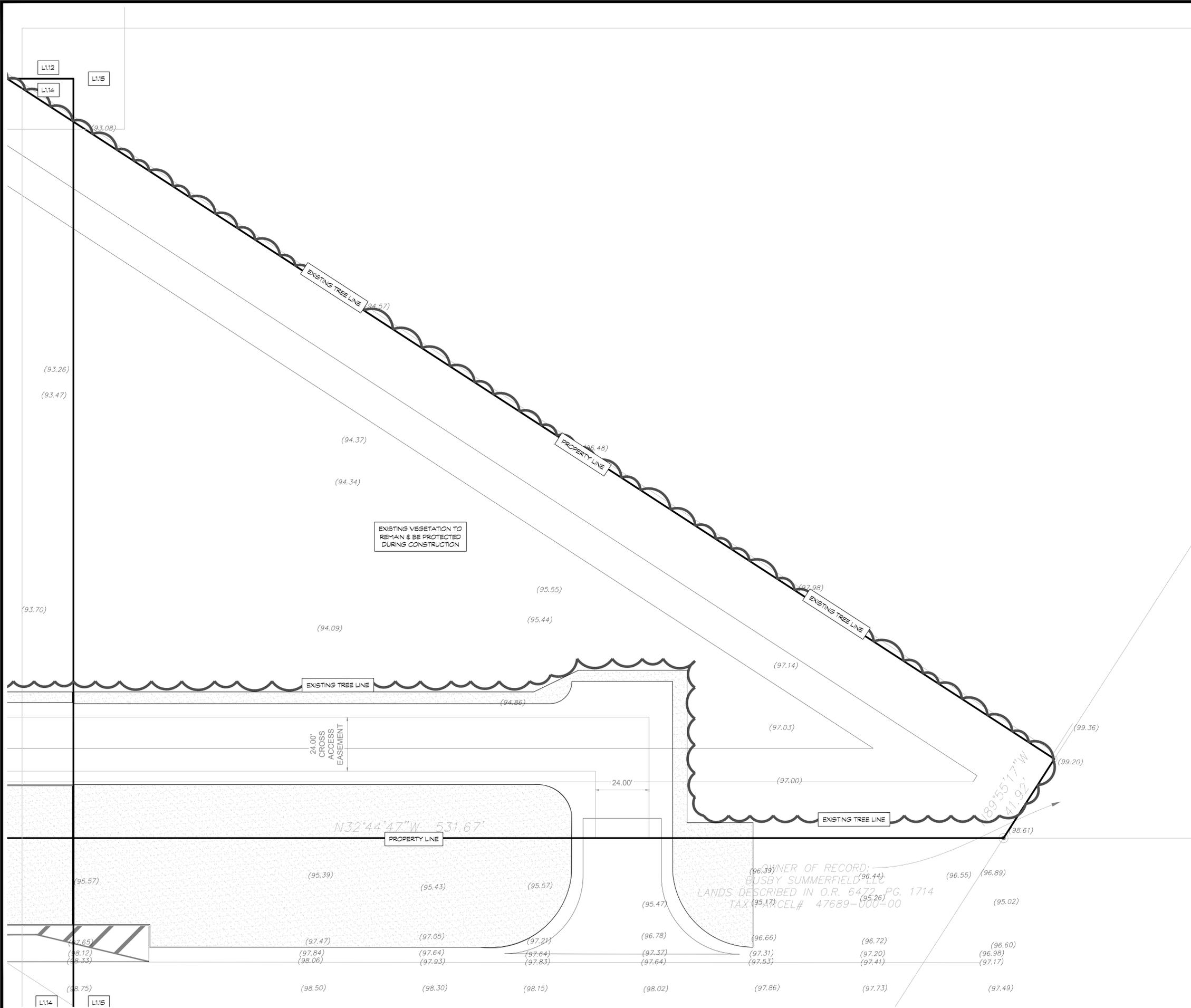


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Irrigation Plan	
RACETRAC #xxx - Summerfield EDO	
US 441 @ SE 147th	
SUMMERFIELD, FL, Marion County	
DATE	01/15/24
SCALE	1" = 20'-0"
DRAWN-BY	AP
PROJECT NUMBER:	024-037
L2.14	0
SHEET NO.	VERSION

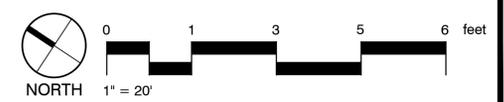




EXISTING VEGETATION TO REMAIN & BE PROTECTED DURING CONSTRUCTION

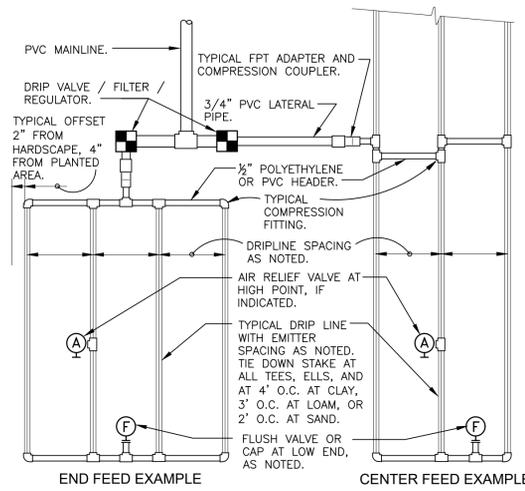
24.00' CROSS ACCESS EASEMENT

OWNER OF RECORD:
BUSBY SUMMERFIELD, LLC
LANDS DESCRIBED IN O.R. 6472, PG. 1714
TAX ID# 47689-000-00
CEL# 47689-000-00



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RaceTrac RACETRAC PETROLEUM, INC. 3225 CUMBERLAND BOULEVARD, SUITE 100 ATLANTA, GA 30339 (770) 431-7600		RACETRAC #xxx - Summerfield EDO US 441 @ SE 147th SUMMERFIELD, FL, Marion County	
Irrigation Plan		DATE: 01/15/24 SCALE: 1" = 20'-0" DRAWN-BY: AP PROJECT NUMBER: 024-037	
SHEET NO: L2.15		VERSION: 0	
REVISIONS		NO. BY DATE	



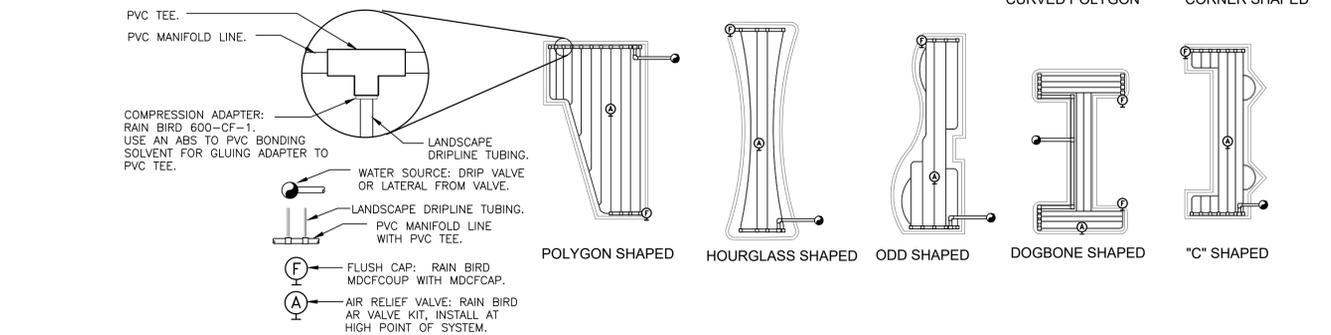
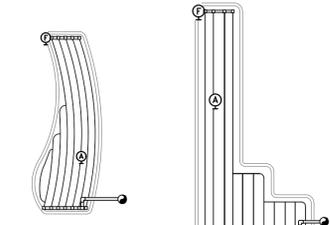


PSI	EMITTER FLOW RATE GPH					
	12" SPACING		18" SPACING		24" SPACING	
10	125	96	175	135	218	171
20	249	191	350	271	442	340
30	307	236	434	333	550	422
40	350	268	495	380	627	471
50	385	296	535	410	671	510
60	415	316	575	435	710	540

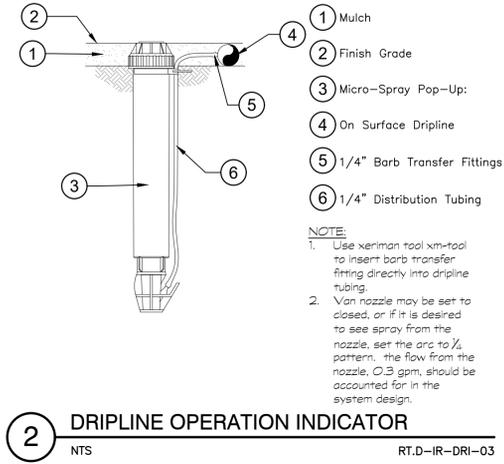
EMITTER SPACING	GRID PRECIPITATION RATES (IN/HR)			
	0.6		0.9	
12	12	0.96	1.44	
18	18	0.69	1.03	
24	24	0.28	0.41	

EMITTER FLOW	LATERAL FLOW PER 100 FT (GPM)				MAXIMUM FLOW PER ZONE	
	12" SPACING		18" SPACING		MAX GPM	PSI LOSS
0.6 GPH	1.0 GPM	0.67 GPM	0.50 GPM	1/2"	4.7 GPM	8.8 PSI
0.9 GPH	1.5 GPM	1.0 GPM	0.75 GPM	3/4"	8.3 GPM	6.3 PSI
				1"	13.5 GPM	4.2 PSI
				1-1/2"	33.9 GPM	2.9 PSI
				2"	52.4 GPM	1.9 PSI

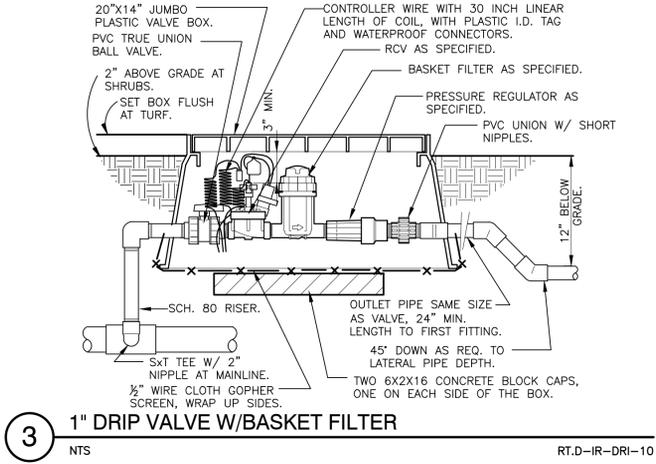
SLOPED CONDITION NOTE:
 1. DRIPLINE LATERALS SHOULD FOLLOW THE CONTOURS OF THE SLOPE WHENEVER POSSIBLE.
 2. INSTALL AIR RELIEF VALVE AT HIGHEST POINT.
 3. NORMAL SPACING WITHIN THE TOP 2/3 OF SLOPE.
 4. INSTALL DRIPLINE AT 25% GREATER SPACING AT THE BOTTOM 1/3 OF THE SLOPE.
 5. WHEN ELEVATION CHANGE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



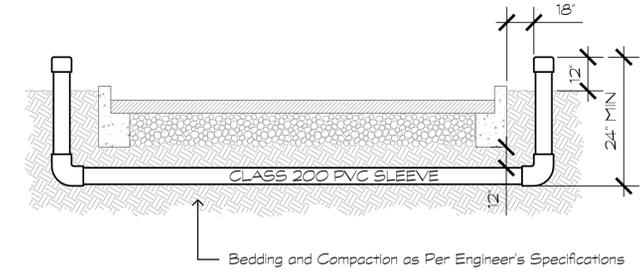
1 TYPICAL RAIN BIRD DRIPLINE REQUIREMENTS
 NTS RT.D-IR-DRI-01



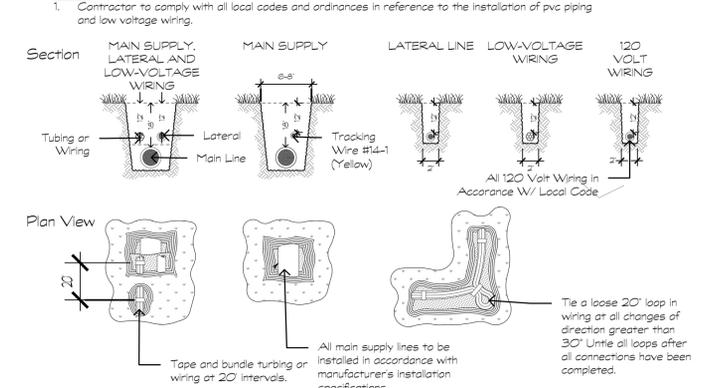
2 DRIPLINE OPERATION INDICATOR
 NTS RT.D-IR-DRI-03



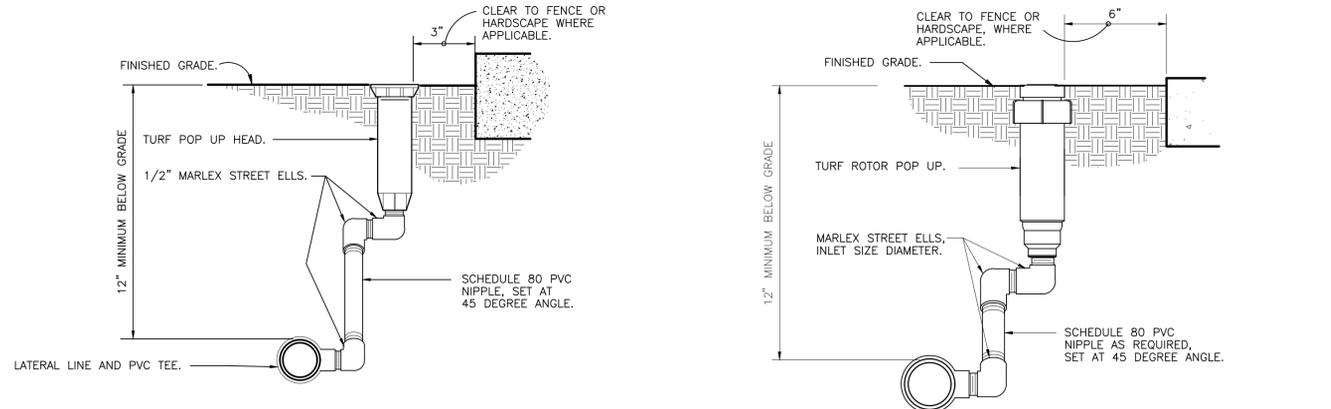
3 1" DRIP VALVE W/BASKET FILTER
 NTS RT.D-IR-DRI-10



NOTE: INSTALLER OF SLEEVES SHALL BE RESPONSIBLE TO RELOCATE SLEEVES IF NOT PROPERLY INSTALLED.

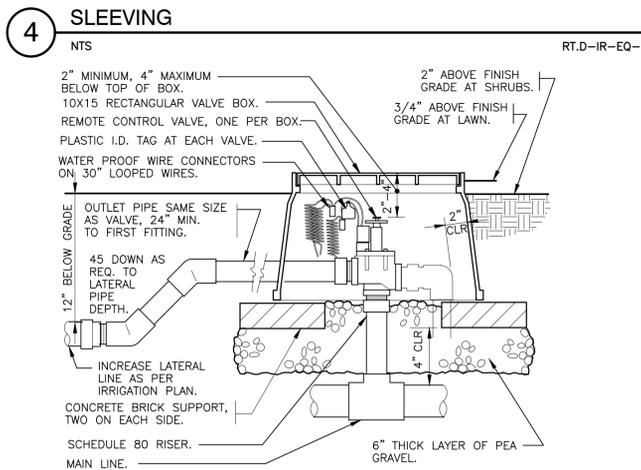


5 TRENCHING
 NTS RT.D-IR-EQ-11

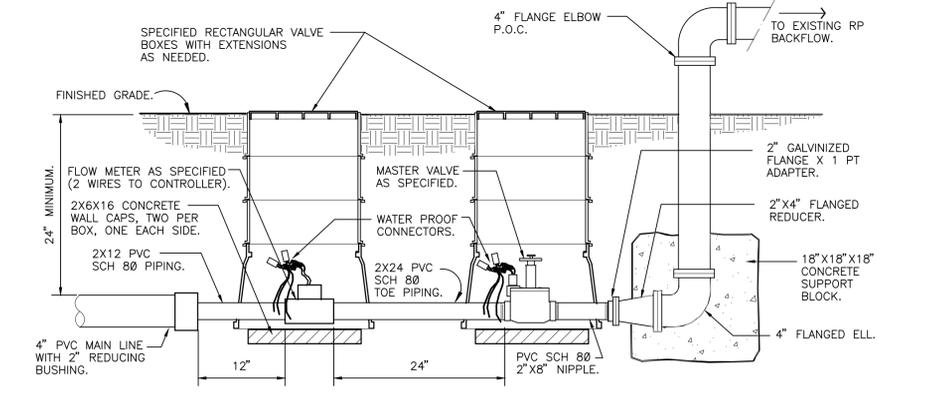


6 TURF SPRAY MARLEX ASSEMBLY
 3" = 1'-0" RT.D-IR-IH-01

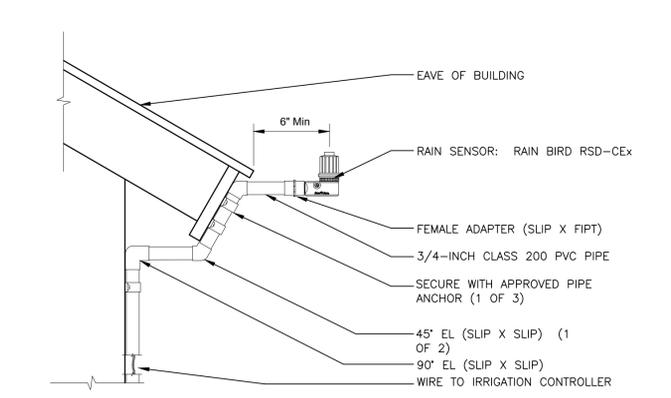
7 TURF ROTOR MARLEX ASSEMBLY
 3" = 1'-0" RT.D-IR-IH-05



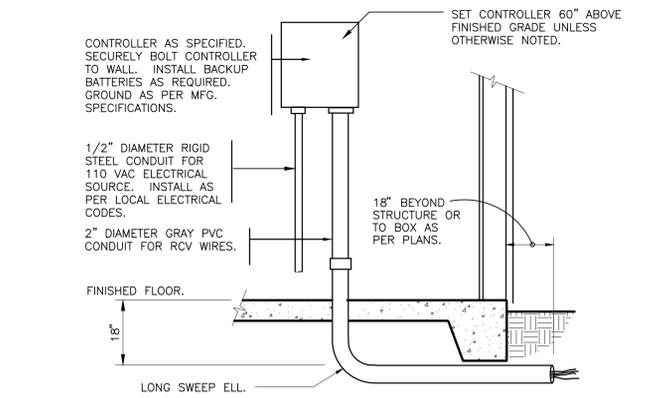
8 ELECTRIC REMOTE CONTROL VALVE
 NTS RT.D-IR-IV-01



9 MASTER CONTROL VALVE AND FLOW SENSOR ASSEMBLY
 1" = 1'-0" RT.D-IR-IV-03



10 RAIN SENSOR / WEATHER CONTROLLER
 NTS RT.D-IR-EQ-02



11 INTERIOR WALL MOUNT CONTROLLER
 1" = 1'-0" RT.D-IR-EQ-01

DATE	01/15/24
SCALE	N/A
DRAWN-BY	AP
PROJECT NUMBER	024-037
L2.16	0
SHEET NO	VERSION

REVISIONS	BY	DATE

IRrigation Details
 RACETRAC #xxx - Summerfield EDO
 US 441 @ SE 147th
 SUMMERFIELD, FL, Marion County

RaceTrac
 RACETRAC PETROLEUM, INC.
 3225 CUMBERLAND BOULEVARD, SUITE 100
 ATLANTA, GA 30339
 (770) 431-7600

MILLS DESIGN GROUP
 407.850.5425 // millsd.com

THESE PLANS ARE SUBJECT TO FEDERAL COPYRIGHT LAWS. ANY USE OF SAME WITHOUT THE EXPRESSED WRITTEN PERMISSION OF PETROLEUM, INC. IS PROHIBITED.

MAP SHOWING ALTA/NSPS LAND TITLE SURVEY OF

PARCEL A
THAT CERTAIN PIECE, PARCEL OF TRACT OF LAND SITUATE, LYING AND BEING IN THE COUNTY OF MARION, AND STATE OF FLORIDA, KNOWN AS DESCRIBED AS FOLLOWS:

THE WEST 1/2 OF THE WEST 1/2 OF THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 15, TOWNSHIP 17 SOUTH, RANGE 23 EAST, EXCEPT ROAD RIGHT OF WAY.

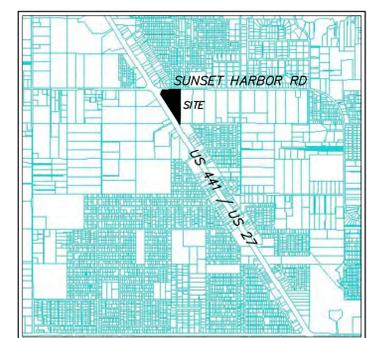
PARCEL B
THAT CERTAIN PIECE, PARCEL OR TRACT OF LAND SITUATE, LYING AND BEING IN THE COUNTY OF MARION, AND STATE OF FLORIDA, KNOWN AND DESCRIBED AS FOLLOWS:

THAT PORTION OF SE 1/4 OF SE 1/4 OF SECTION 16, TOWNSHIP 17 SOUTH, RANGE 23 EAST, LYING EAST OF US HIGHWAY 441 AND SOUTH OF SUMMERFIELD-SUNSET HARBOR ROAD.

CERTIFIED TO:
RaceTrac, Inc.
Southern Title Holding Company, LLC
Old Republic National Title Insurance Company



OWNER OF RECORD:
JAMES HECTOR AND JAMES HECTOR, JR.
LANDS DESCRIBED IN O.R. 8864, PG. 164
TAX PARCEL# 45972-000-00



VICINITY MAP (NOT TO SCALE)

PARCEL A
OWNER OF RECORD:
KAVITA M. JESRANI REVOCABLE LIVING TRUST
ELIZABETH L. HOOP FAMILY TRUST
LANDS DESCRIBED IN O.R. 4002, PG. 529
TAX PARCEL# 45976-000-00

PARCEL B
OWNER OF RECORD:
GREWAL FAMILY TRUST
LANDS DESCRIBED IN
O.R. 6669, PG. 1255
TAX PARCEL# 46608-001-00

OWNER OF RECORD:
BUSBY SUMMERFIELD LLC
LANDS DESCRIBED IN O.R. 6472, PG. 1714
TAX PARCEL# 47689-000-00

- SYMBOL LEGEND**
- CL = WOOD UTILITY POLE
 - = METAL SIGN POLE
 - = FIRE HYDRANT
 - = COMMUNICATION HAND HOLE
 - = FIBER OPTIC MARKER
 - = WATER VALVE
 - = CABLE TV SERVICE
 - = GAS MARKER
 - = SEWER MARKER
 - = SEWER VALVE
 - = MAILBOX

SCHEDULE B - SECTION II COMMENTS

- Any defect, lien, encumbrance, adverse claim, or other matter that appears for the first time in the Public Records or is created, attached, or is disclosed between the Commitment Date and the date on which all of the requirements of Part I are met.
- Standard Exceptions.
- Rights or claims of parties in possession not shown by the public records.
- Encumbrances, easements, boundary line disputes, or other matters which would be disclosed by an accurate survey and inspection of the premises.
- Comments: BILBOARD SIGN LOCATED AT SOUTHERLY END OF PARCEL B.
- Comments: BILBOARD SIGN LOCATED AT SOUTHERLY END OF PARCEL B.
- Any lien, or right to a lien, for services, labor, or material hereto or hereafter furnished, imposed by law and not shown by the public records.
- NOT A SURVEY RELATED MATTER.
- Any adverse ownership claim by the State of Florida by right of sovereignty to any portion of lands insured here under, including submerged, filled and artificially exposed lands and lands adjacent to such lands.
- Comments: NO SUBMERGED, FILLED OR ARTIFICIALLY EXPOSED LANDS OBSERVED AT TIME OF SURVEY.
- Materials of whatever kind, substance and surface substances, including but not limited to roads, liglite, oil, gas, uranium, clay, rock, sand, and gravel in, on, under and that may be produced from the Land together with all rights, privileges, and immunities relating thereto, whether or not appearing in the Public Records or listed in Schedule B. The Company makes no representation as to the present ownership of any such interests. There may be leases, grants, exceptions, or reservations of interests that are not listed.
- Comments: NONE KNOWN TO SURVEYOR AT TIME OF SURVEY.
- Liability on to all unpaid utility bills and county and municipal assessments and fees is hereby limited to only those which have been filed in the Official Records Book of the County noted on Schedule A hereof as of date of policy.
- Comments: NOT A SURVEY RELATED MATTER.
- Taxes for the year 2023, and subsequent years which are not yet due and payable.
- Comments: NOT A SURVEY RELATED MATTER.
- Restriction on Limitation of all alcoholic beverages as recorded in DB 286-112.
- Comments: AFFECTS SUBJECT PROPERTY, SEC. 12 & 16 1125 R23 ARE INCLUDED IN DESCRIPTION CONTAINED THEREIN.

TITLE COMMITMENT NOTE
The undersigned surveyor has reviewed Schedule B - Section II of Old Republic National Title Insurance Company Title Insurance Commitment, File No. CM235853, dated 6-16-23 and CM235844, dated 6-27-23. There are no plottable survey related matters contained therein.

The lands described in Exhibit A of said Title Insurance Commitments are one and the same as the lands shown hereon.

PROPOSED RACETRAC PARCEL:
A PORTION OF SECTIONS 15 AND 16, TOWNSHIP 17 SOUTH, RANGE 23 EAST, MARION COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGIN AT THE INTERSECTION OF THE DIVIDING LINE BETWEEN SAID SECTIONS 15 AND 16 WITH THE NORTHEASTERLY EXISTING RIGHT OF WAY LINE OF U.S. HIGHWAY NO. 441/U.S. HIGHWAY NO. 27 (STATE ROAD NO. 500), BEING A 200 FOOT WIDE RIGHT OF WAY AS SHOWN ON FLORIDA DEPARTMENT OF TRANSPORTATION RIGHT OF WAY MAP SECTION 3622-101; THENCE NORTH 32°44'47" WEST ALONG SAID NORTHEASTERLY RIGHT OF WAY LINE, 782.38 FEET TO AN ANGLE POINT IN SAID RIGHT OF WAY; THENCE NORTH 28°42'04" EAST CONTINUING ALONG SAID SOUTHERLY RIGHT OF WAY LINE, 191.19 FEET TO A POINT ON THE SOUTHERLY RIGHT OF WAY LINE OF SUNSET HARBOR ROAD, BEING A 100 FOOT WIDE RIGHT OF WAY AT THIS POINT; THENCE SOUTH 89°51'05" EAST ALONG SAID SOUTHERLY RIGHT OF WAY LINE, 78.69 FEET; THENCE NORTH 00°08'55" EAST CONTINUING ALONG SAID SOUTHERLY RIGHT OF WAY LINE, 17.00 FEET; THENCE SOUTH 89°51'05" EAST CONTINUING ALONG SAID SOUTHERLY RIGHT OF WAY LINE, 294.54 FEET TO A POINT ON THE AFOREMENTIONED DIVIDING LINE; THENCE SOUTH 89°51'05" EAST CONTINUING ALONG SAID SOUTHERLY RIGHT OF WAY LINE, 64.00 FEET; THENCE SOUTH 00°07'42" WEST, DEPARTING SAID SOUTHERLY RIGHT OF WAY LINE AND ALONG A LINE BEING PARALLEL TO SAID DIVIDING LINE BETWEEN SECTIONS 15 AND 16, 132.50 FEET; THENCE SOUTH 32°44'47" EAST, 272.00 FEET; THENCE SOUTH 57°15'13" WEST, 252.00 FEET TO A POINT ON SAID DIVIDING LINE BETWEEN SECTIONS 15 AND 16; THENCE SOUTH 00°07'42" WEST ALONG SAID DIVIDING LINE, 344.17 FEET TO THE POINT OF BEGINNING.

SAID LANDS CONTAIN 6.01 ACRES, MORE OR LESS.

SEPTEMBER 8, 2023; UPDATE BOUNDARY AND TOPO UNLESS IT BEARS THE SIGNATURE AND ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER, THIS DRAWING, SKETCH, PLAT OR MAP IS FOR INFORMATIONAL PURPOSES ONLY, AND IS NOT VALID.

NOTES

- Boundaries are based on FLORIDA STATE PLANE GRID (NAS 83).
- This is a BOUNDARY AND TOPOGRAPHIC SURVEY (ALTA/NSPS LAND TITLE SURVEY).
- Conspicuous objects that (T.S.) refer to North American Vertical Datum of 1988 (NAVD 88).
- By graphic plotting only, the property shown herein lies within Zone "1" as shown on the Federal Emergency Management Agency (FEMA), National Flood Insurance Program Flood Insurance Rate Map (FIRM), Community-Number 12085, OAS D Map Revised date: 8-28-08.
- Unless otherwise noted, any portion of the parcel that may be deemed as Wetlands by State or Governmental Agencies, has not been determined and any liability resulting therefrom is not the responsibility of the undersigned.
- The undersigned surveyor has reviewed Schedule B - Section II of Old Republic National Title Insurance Company File No. CM235853, dated 6-16-23. There are no plottable survey related matters contained therein.

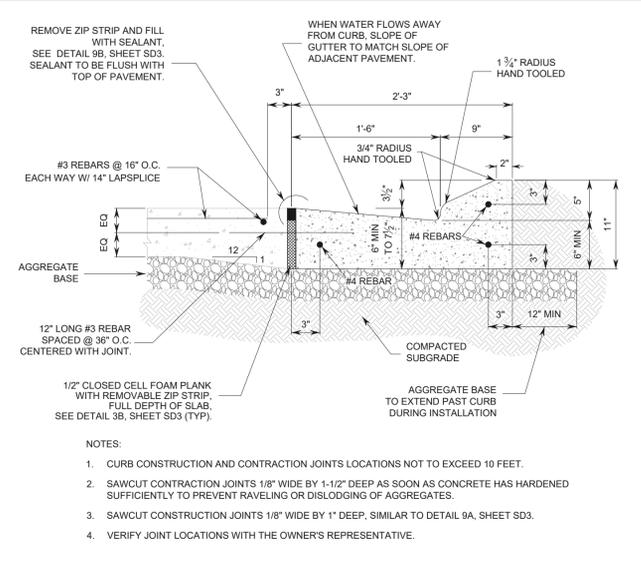
LEGEND

○	CONCRETE MONUMENT	DATE	7-12-23
+	WOOD SIGN	SCALE	1"=40'
—	CONCRETE MONUMENT	JOB NO.	23022-366
—	WOOD SIGN	F.B.	—
—	CONCRETE MONUMENT	PG#	—
—	WOOD SIGN	COMD. FILE	22-366.dwg
—	CONCRETE MONUMENT	Drawn by	WJM
—	WOOD SIGN		

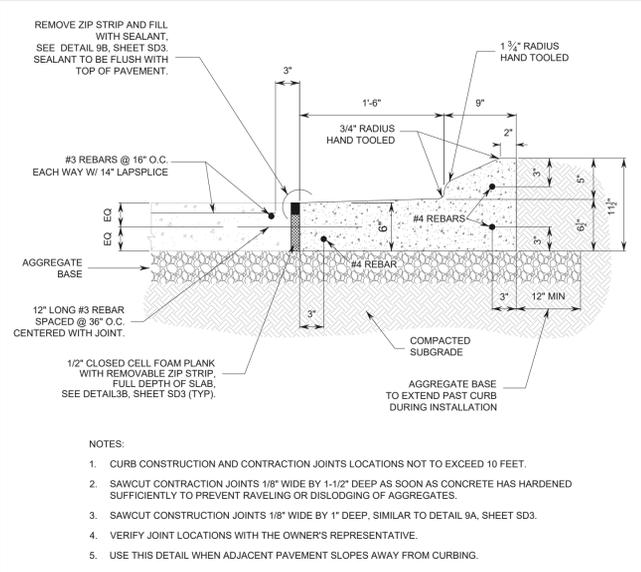
MELROSE SURVEYING AND MAPPING, INC.
PROFESSIONAL LAND SURVEYORS
1147 CENTRAL PARKWAY, SUITE 107
LACONVILLE, FLORIDA 32224
L.B. No. 8295
Tel. (904) 721-1226

THIS IS TO CERTIFY THAT THIS MAP WAS MADE BY ME AND THE SURVEYOR ON WHOM IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2011 ANNOU STANDARD DETAIL REQUIREMENTS FOR ALTA AND NSPS LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES ITEMS 1, 2, 3, 4, 5, 8, 11 OBSERVED ONLY, 12, 14 AND 18 OF SAID A FOREWORD. THE FIELDWORK WAS COMPLETED ON SEPTEMBER 8, 2023.

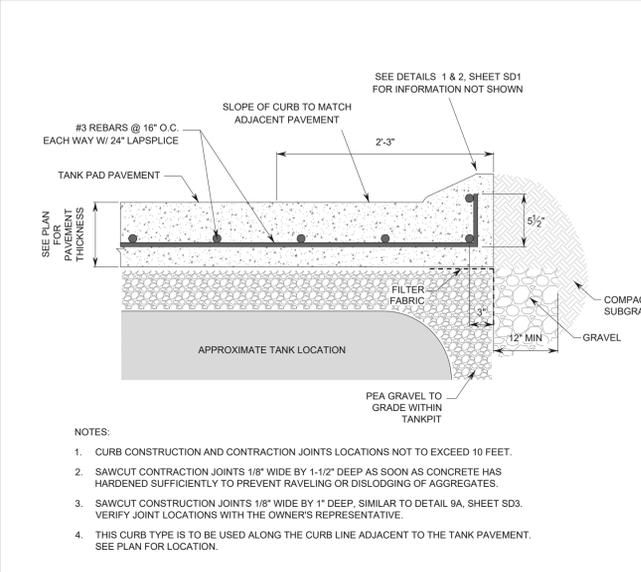
BY: WILLIAM J. MELROSE, STATE OF FLORIDA, REGISTERED LAND SURVEYOR, CERTIFICATE NO. 5843



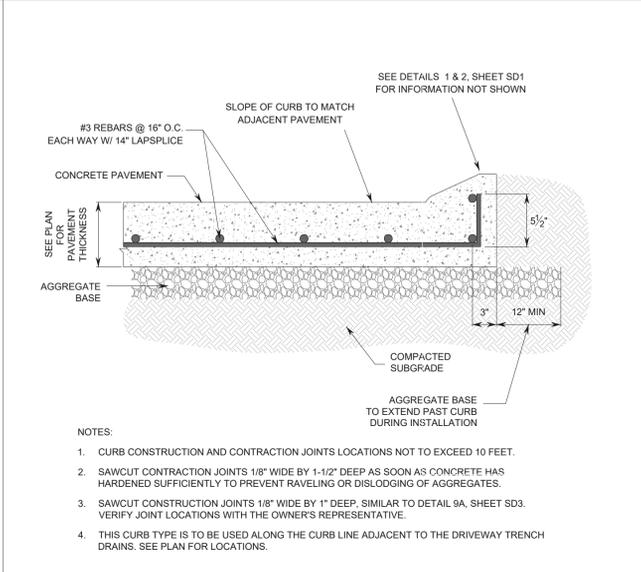
1 CATCH CURB DETAIL @ CONCRETE SLAB
SD1 NTS



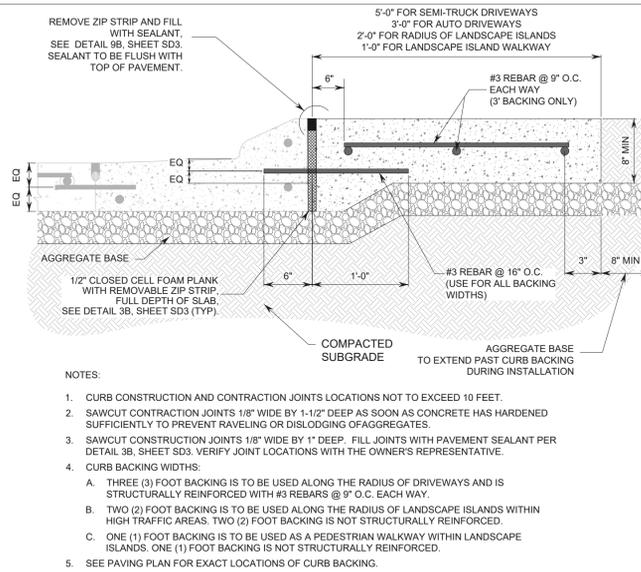
2 SHED CURB DETAIL @ CONCRETE SLAB
SD1 NTS



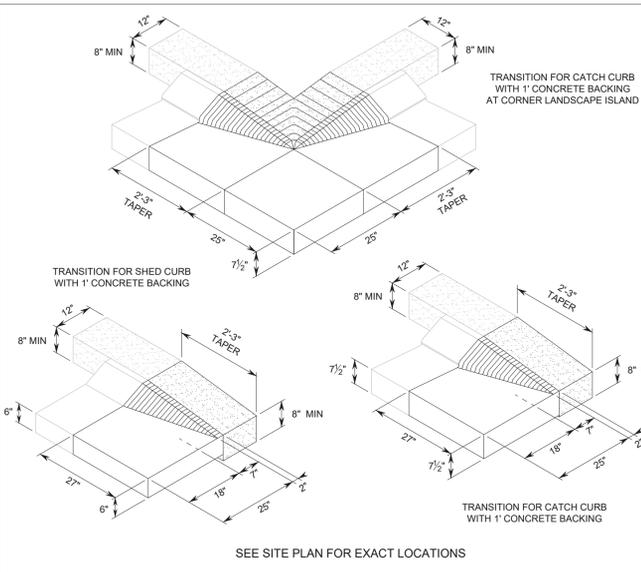
3 TANK AREA CURB DETAIL
SD1 NTS



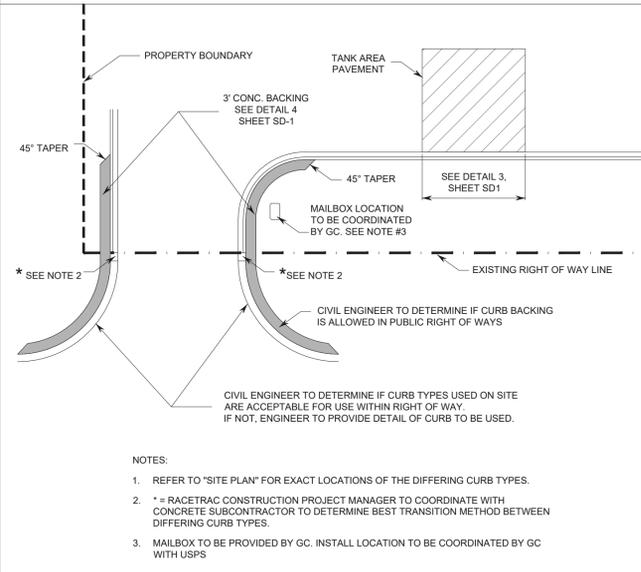
4 MONOLITHIC CURB DETAIL
SD1 NTS



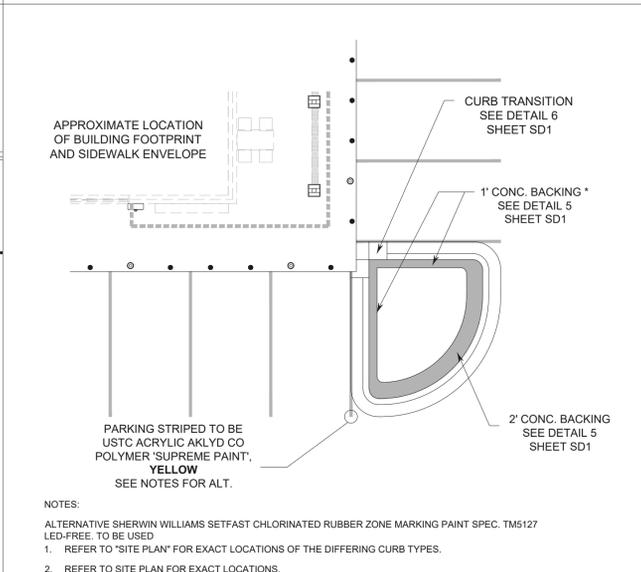
5 CONCRETE BACKING FOR ON-SITE CURB
SD1 NTS



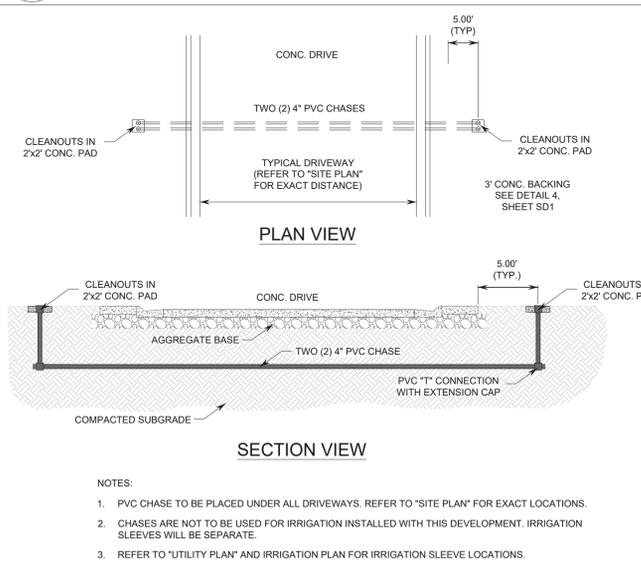
6 CURB TRANSITION DETAILS
SD1 NTS



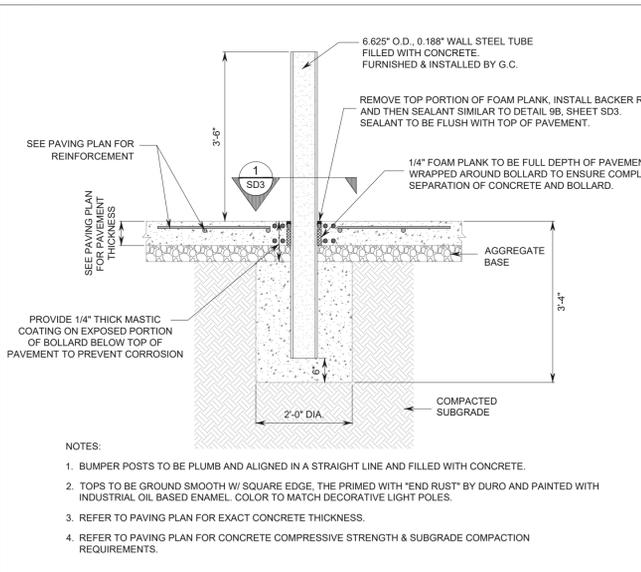
7 CURB LAYOUT PLAN VIEW
SD1 NTS



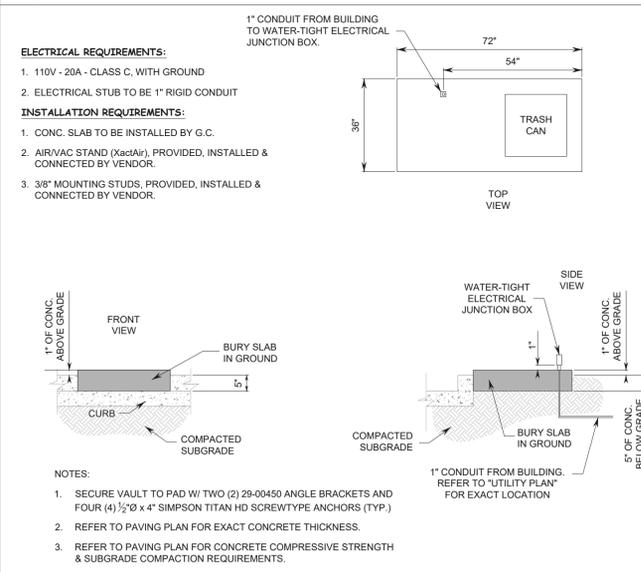
8 CONCRETE BACKING & AUTO COURT PAINT DETAIL
SD1 NTS



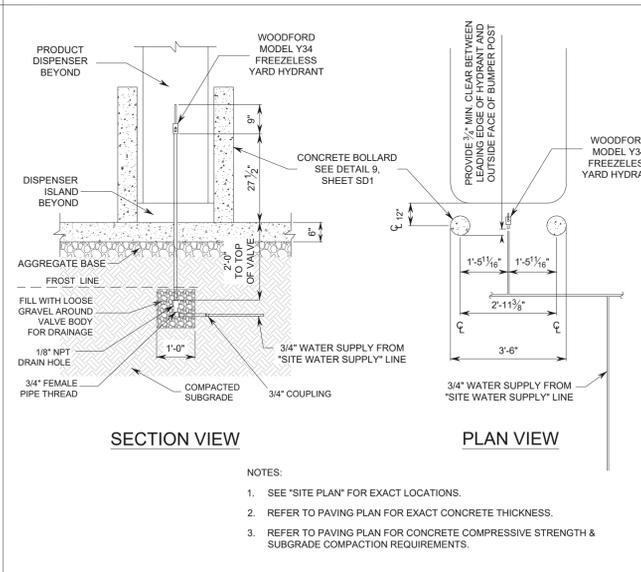
9 PVC CHASE DETAIL
SD1 NTS



10 CANOPY BOLLARD DETAIL
SD1 NTS

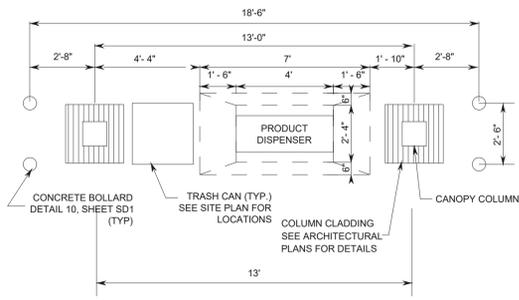


11 AIR/VAC SERVICE DETAIL
SD1 NTS

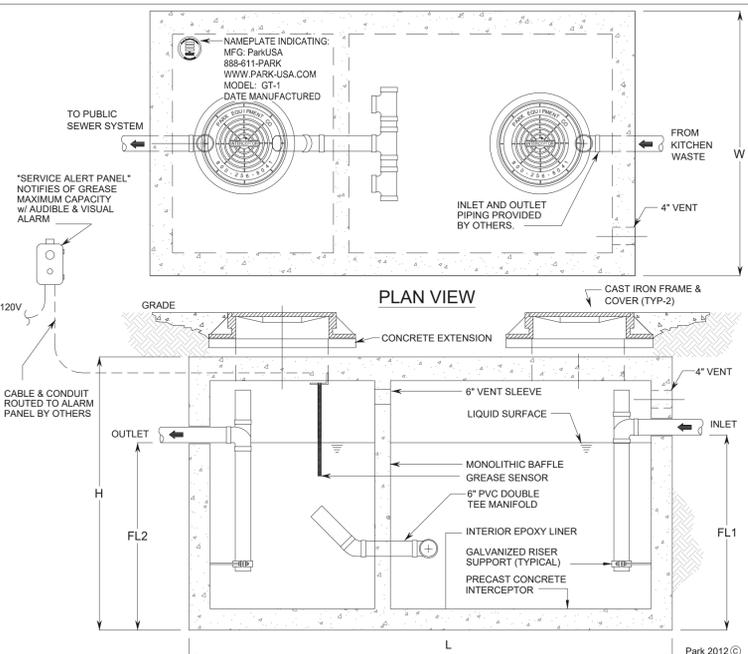
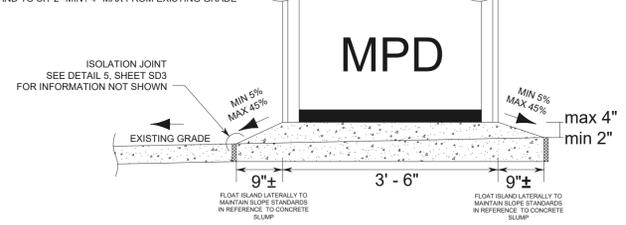


12 YARD HYDRANT DETAIL
SD1 NTS

ENGINEER'S CERTIFICATION:		DATE: PAOLO MASTROSERIO, P.E. 56691 MASTROSERIO ENGINEERING, INC. C.A.#26159 170 SE 32ND PLACE OCALA, FL 34471	RESPONSE TO COUNTY RAI SUBMITTAL 1	NO.	1	REVISION	04-26-24	DATE
MASTROSERIO ENGINEERING, INC. CIVIL * ENVIRONMENTAL * SITE DESIGN 170 SE 32ND PLACE OCALA, FL 34471 PH: (352) 433-2185 PAOLO@MASTROSERIOENGINEERING.COM		THESE PLANS ARE SUBJECT TO FEDERAL COPYRIGHT LAWS. ANY USE OF SAME WITHOUT THE EXPRESSED PERMISSION OF RACETRAC PETROLEUM, INC. IS PROHIBITED.		RACETRAC PETROLEUM, INC. 1000 W. UNIVERSITY AVENUE SUITE 900 ATLANTA, GA 30309 (770) 437-7600		STANDARD DETAILS		PROJECT NAME / INTERSECTION
US 441 @ SE 147TH Summerfield, FL Marion County		DRAWN-BY: WPDE		DATE: 4/28/2024		SCALE:		DRAWING NAME: RT Standard Details (2023).dwg
SD1		SHEET NO.		VERSION				



1 DISPENSER ISLAND DETAIL
SD2 NTS



ELEVATION

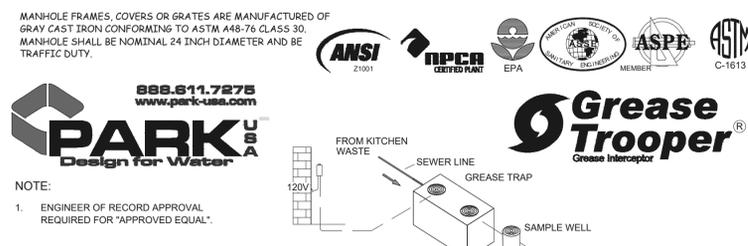
GREASE INTERCEPTOR SCHEDULE									
MODEL NO.	CAPACITY USGAL	GREASE CAP. (LBS)	EMPTY WT (LBS)	LENGTH L	WIDTH W	HEIGHT H	INLET FL1	OUTLET FL2	
GT-1500	1,500	3,500	16,050	9'-2"	5'-8"	7'-0"	5'-9"	5'-6"	

OTHER SIZES ARE AVAILABLE. CONTACT RACETRAC FOR MORE INFORMATION.

ENGINEERING DATA:
THE GREASE INTERCEPTOR IS STRUCTURALLY & HYDRAULICALLY ENGINEERED TO CONFORM TO REGIONAL PLUMBING CODES RECOMMENDED IN MOST CITIES. CONSULT WITH LOCAL AUTHORITIES FOR SPECIFIC APPLICATION REQUIREMENTS.

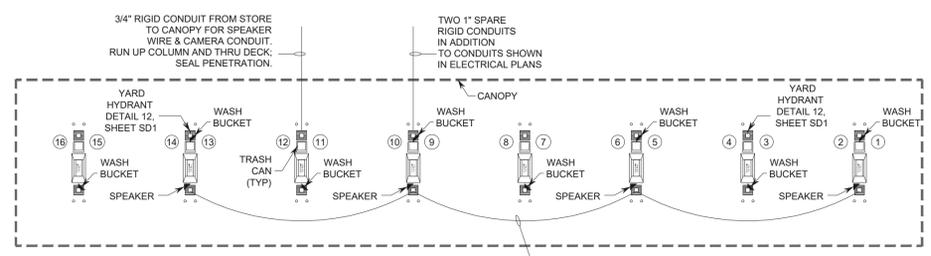
REINFORCEMENTS:
GRADE 60 REINFORCEMENT WITH STEEL REBAR CONFORMING TO ASTM A615 ON REQUIRED CENTERS OR EQUAL.

C.I. CASTINGS:
MANHOLE FRAMES, COVERS OR GRATES ARE MANUFACTURED OF GRAY CAST IRON CONFORMING TO ASTM A48-76 CLASS 30. MANHOLE SHALL BE NOMINAL 24 INCH DIAMETER AND BE TRAFFIC DUTY.



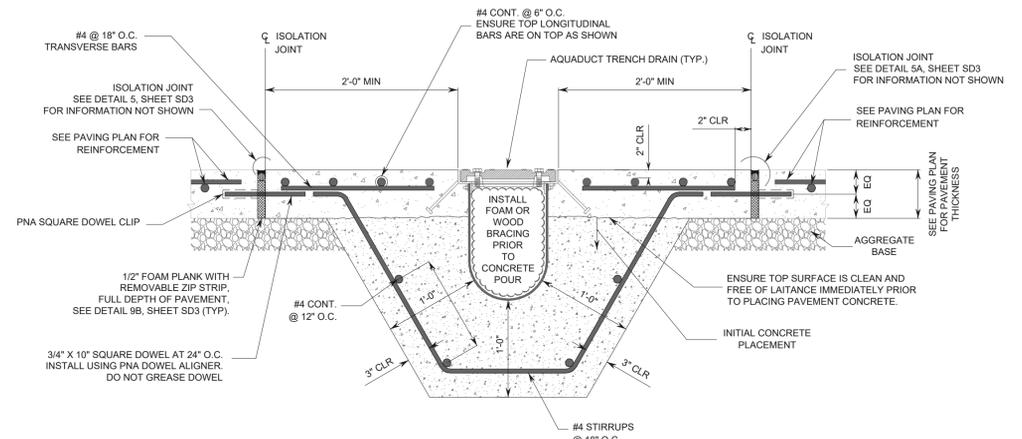
4 GREASE TRAP (1500 GALLON CAPACITY) & SAMPLE WELL DETAILS OR "APPROVED EQUAL"
SD2 NTS

STORE SIDE

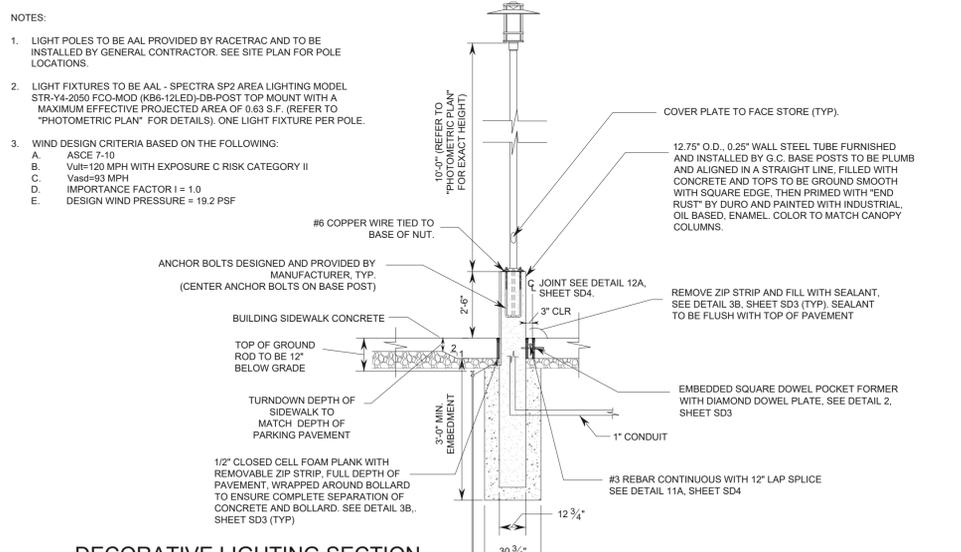


STREET SIDE

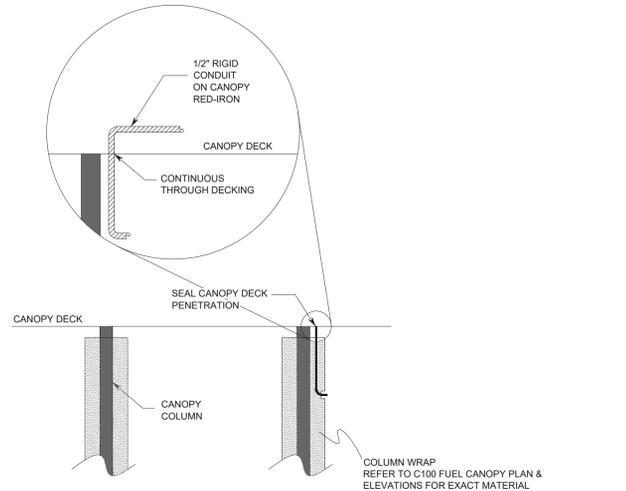
2 CANOPY ACCESSORIES LAYOUT
SD2 NTS



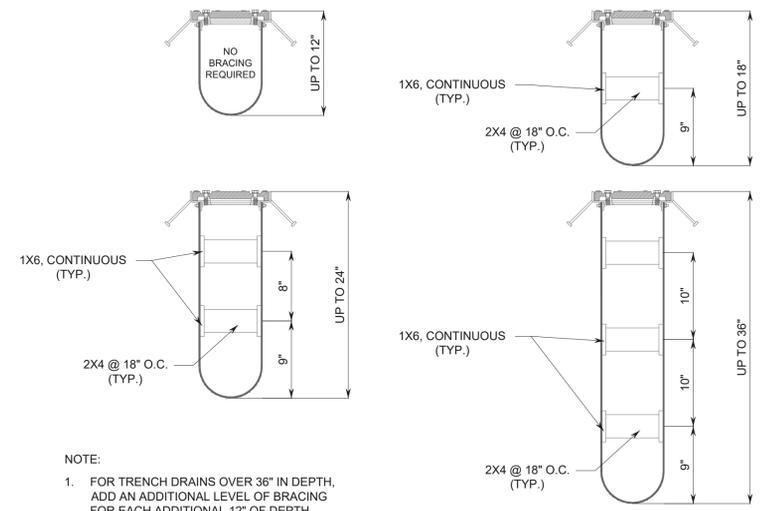
5 TYP. CONCRETE DETAIL FOR AQUADUCT TRENCH DRAIN
SD2 NTS



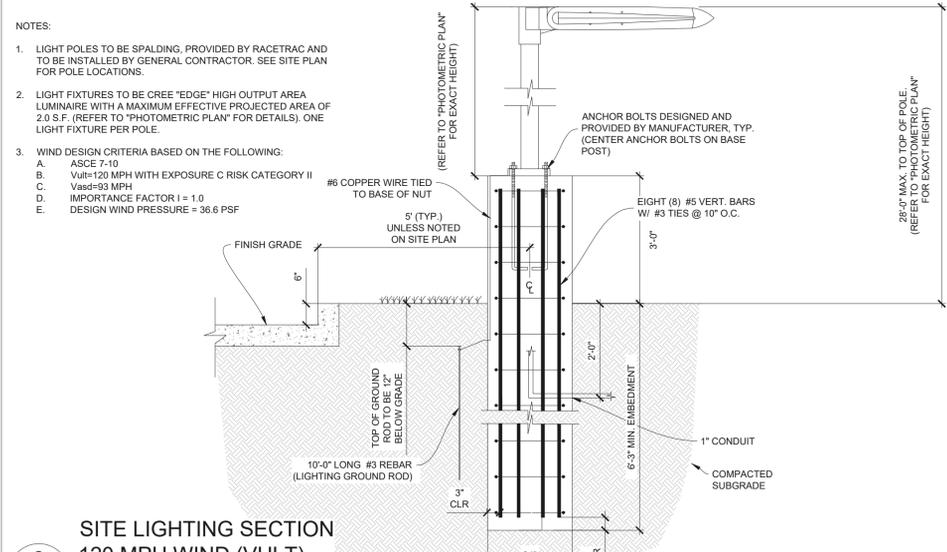
7 DECORATIVE LIGHTING SECTION 120 MPH WIND (VULT)
SD2



3 CONDUIT PENETRATION DETAIL
SD2 NTS



6 AQUADUCT TRENCH DRAIN BRACING LAYOUT DETAILS
SD2 NTS



8 SITE LIGHTING SECTION 120 MPH WIND (VULT)
SD2

ENGINEER'S CERTIFICATION:

DATE: 04-26-24
RESPONSE TO COUNTY RAI SUBMITTAL 1
NO. 1
REVISION

PAOLO MASTROSERIO, P.E. #6691
MASTROSERIO ENGINEERING, INC. C.A.#26159
170 SE 32ND PLACE
OCALA, FL 34471

MASTROSERIO ENGINEERING, INC.
CIVIL * ENVIRONMENTAL * SITE DESIGN
170 SE 32ND PLACE
OCALA, FL 34471
PH: (352) 433-2185
PAOLO@MASTROSERIOENG.COM

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Racetrac
RACETRAC PETROLEUM, INC.
10000 W. STATE AVE. #3039
SUITE 900 ATLANTA, GA 30359
(770) 437-7600

STANDARD DETAILS / INTERSECTION
PROJECT NAME / INTERSECTION
US 441 @ SE 147TH
Summerfield, FL
Marion County

DRAWN-BY: WPDE
DATE: 4/28/2024
SCALE:
DRAWING NAME: RT Standard Details (2023).dwg
SD2
SHEET NO. VERSION

GENERAL CONCRETE PAVEMENT NOTES

- REVIEW AND VERIFY ALL AS-BUILT CONDITIONS WHICH AFFECT NEW CONSTRUCTION PRIOR TO SUBMISSION OF SHOP DRAWINGS AND ANY FABRICATION.
- INDUSTRY STANDARDS GOVERNING THIS WORK ARE OF THE LATEST ISSUE AT THE DATE OF THIS DRAWING RELEASE.
- ENSURE STORAGE, HANDLING, PREPARATION, INSTALLATION, ETC. OF ALL MATERIALS ARE IN ACCORDANCE WITH MANUFACTURER'S / VENDOR'S PRINTED RECOMMENDATIONS AND INSTRUCTIONS.

PAVEMENT SUBGRADE AND BASE NOTES

- ENSURE TESTING AGENCY IS COMPACTED TO THE SPECIFIED MAXIMUM DRY DENSITY AS DETERMINED BY THE GEOTECHNICAL ENGINEER. RECOMPACT SOFT AREAS AS DIRECTED BY THE GEOTECHNICAL ENGINEER. TESTING AGENCY TO PROVIDE A LETTER REPORT TO THE OWNER'S REPRESENTATIVE STATING THAT THE SUBGRADE HAS BEEN PROPERLY COMPACTED.
- ENSURE TESTING AGENCY EVALUATES THE SUBGRADE BY PROOF-ROLLING. PROOF ROLLING TO BE DONE BY A FULLY LOADED TANDEM-AXLE DUMP TRUCK OR OTHER EQUIVALENTLY WHEELED VEHICLE ACCEPTABLE TO THE TESTING AGENCY. REPAIR SOFT SPOTS DEEPER THAN 1/2" INCH AS DIRECTED BY THE TESTING AGENCY. TESTING AGENCY TO PROVIDE A LETTER REPORT TO THE OWNER'S REPRESENTATIVE STATING THE SUBGRADE HAS BEEN PROOF-ROLLED AND IS ACCEPTABLE. ** DO NOT PROOF-ROLL ON TOP OF OR WITHIN 5 FEET OF THE EDGE OF THE UNDERGROUND STORAGE TANK LOCATIONS.
 - IF APPLICABLE, THIS PROCESS SHOULD BE IMPLEMENTED AFTER COMPLETION OF THE ROUGH GRADING AND SHOULD BE REPEATED BEFORE THE PLACEMENT OF THE SLAB.
 - IF BULGING OR PUMPING IS NOTED AT ANY TIME DURING PREPARATION OF THE SUBGRADE, SUBBASE, BASE ROLLING, OR SLAB PLACEMENT, CORRECTIVE ACTION SHOULD BE TAKEN. FULL SOIL SUPPORT HAS BEEN ACHIEVED IF THE ROLLED AREA IS OBSERVED TO BE FIRM AND UNWEAVING, WITH NO DEPRESSIONS GREATER THAN 1/2" INCH. RUTTING NORMALLY OCCURS WHEN THE SURFACE OF THE BASE OR SUBBASE IS WET, GREATER THAN THREE PERCENTAGE POINTS ABOVE OPTIMUM MOISTURE CONTENT, AND THE UNDERLYING SOILS OR SUBGRADE ARE FIRM. PUMPING NORMALLY OCCURS WHEN THE SURFACE OF THE BASE OR SUBBASE IS DRY AND THE UNDERLYING SOILS ARE WET.
 - REPAIRS SHOULD INCLUDE, BUT NOT BE LIMITED TO, RAKING SMOOTH OR CONSOLIDATING WITH SUITABLE COMPACTING EQUIPMENT.
- AGGREGATE BASE MATERIAL:
 - COARSE AGGREGATE BASE: CRUSHER RUN WITH ROCK FINES. USE ASTM D448, NO. 467, 57 OR 67 BLEND ONLY IF NOTED OR ALLOWED.
 - FINE AGGREGATE BASE: CLEAN SCREENINGS ASTM D 448, NO. 10 WITH 6% TO 12% PASSING NO. 200 SIEVE.
- AGGREGATE BASE MATERIAL INSTALLATION:
 - COMPACT COARSE AGGREGATE BASE TO FINAL THICKNESS SHOWN IN LAYERS NOT EXCEEDING 6 INCHES, WITH MINIMUM OF 2 PASSES PER LAYER WITH A VIBRATORY COMPACTOR.
 - COMPACT BASE TO THE SPECIFIED MAXIMUM DRY DENSITY AS DETERMINED BY THE GEOTECHNICAL ENGINEER.
 - CHOK-OFF TOP SURFACE OF COARSE AGGREGATE BASE WITH FINE AGGREGATE BASE MATERIAL DUE TO THE FOLLOWING:
 - AS REQUIRED TO MEET FINE GRADE ELEVATION TOLERANCES SPECIFIED.
 - WHERE COARSE AGGREGATE BASE MATERIAL DOES NOT HAVE SUFFICIENT FINE PARTICLES TO PRODUCE A SURFACE THAT IS FREE OF EXPOSED AGGREGATE OR SURFACE Voids IMMEDIATELY PRIOR TO PAVEMENT INSTALLATIONS.
 - COMPACT FINE AGGREGATE BASE CHOK-OFF LAYER WITH A MINIMUM OF 2 PASSES WITH A VIBRATORY COMPACTOR.
 - TOP SURFACE OF BASE MATERIAL TO BE DRY, SMOOTH, FLAT, DENSE SURFACE IMMEDIATELY BEFORE PLACING CONCRETE.
- ENSURE TESTING AGENCY VERIFIES AGGREGATE BASE IS COMPACTED TO THE SPECIFIED MAXIMUM DRY DENSITY AS DETERMINED BY THE GEOTECHNICAL ENGINEER IMMEDIATELY PRIOR TO PLACING PAVEMENT. TESTING AGENCY TO PROVIDE LETTER REPRESENTATIVE STATING THE BASE IS ACCEPTABLE.
- NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY IF UNUSUAL SOIL CONDITIONS ARE FOUND.
- PROTECT EXISTING STRUCTURES, UTILITIES, PROPERTY CORNERS, ETC. RESTORE ALL ITEMS DAMAGED, AS REQUIRED BY OWNER, AT NO COST TO OWNER OR CONTRACTOR. ** DO NOT ALLOW STORED EXCAVATION MATERIAL TO DISRUPT PROPER DRAINAGE OF AREA, DAMAGE TO SURROUNDING AREAS, OR STAIN ADJACENT CONCRETE.
- DISPOSE OF EXCAVATED MATERIAL AS REQUIRED BY OWNER'S REPRESENTATIVE.

CONCRETE PAVEMENT NOTES:

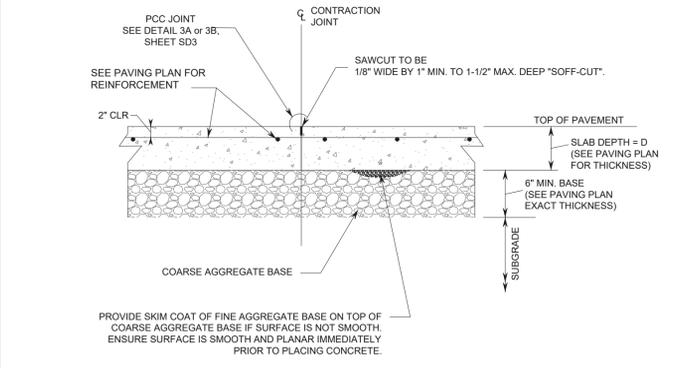
- CONFORM TO ACI 318 AND 117 FOR THE DESIGN AND PLACEMENT OF CONCRETE, REINFORCING, AND RELATED ITEMS.
- CONFORM TO ACI 306.1 FOR COLD WEATHER CONCRETING AND ACI 305R WHEN ANY COMBINATION OF HIGH TEMPERATURE, LOW RELATIVE HUMIDITY, AND WIND VELOCITY TEND TO IMPAIR THE QUALITY OF THE CONCRETE. REJECT CONCRETE IF ITS TEMPERATURE AT TIME OF PLACEMENT IS 90 DEGREES FAHRENHEIT OR ABOVE. PROTECT SURFACES OF EXPOSED CONCRETE FROM PRECIPITATION DAMAGE UNTIL ADEQUATE STRENGTH IS GAINED TO PREVENT DAMAGE.
 - MINIMUM CONDITIONS FOR CONCRETE PLACEMENT:
 - AMBIENT CONDITIONS - 35° AND RISING
 - AGGREGATE BASE TEMP - 45° AND RISING
 - CONCRETE TEMPERATURE - 65° (+/- 5°)
 - CURE APPLICATION - 45° AND RISING
- CONFORM TO ACI 302.1R, 304R, 306, 309R AND 347R FOR CONCRETE, FORM WORK, CURING, AND RELATED ITEMS. CONFORM TO CRSI MANUAL OF STANDARD PRACTICE AND CRSI PLACING REINFORCING BARS FOR PLACING REINFORCING.
- PROVIDE A MINIMUM CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS OF 3500 PSI.
- PROVIDE A MINIMUM CEMENTITIOUS CONTENT IN ACCORDANCE WITH ACI 302.2R AND A MAXIMUM WATER/CEMENTITIOUS RATIO OF 0.50. MEASURE AND MIX CONCRETE IN ACCORDANCE WITH ACI 211.1. AIR ENTRAINMENT CONCRETE EXPOSED TO THE WEATHER. USE SLUMP OF FIVE INCHES (+/- 1/2 INCH, ONE INCH).
- SUBMIT FOR APPROVAL MIX DESIGNS AND TEST RESULTS FOR COMPRESSIVE STRENGTH, SLUMP, AIR ENTRAINMENT, AND AIR ENTRAINMENT. INCLUDE STANDARD DEVIATIONS AND AVERAGE COMPRESSIVE STRENGTHS FOR FIELD DATA. INCLUDE BRAND NAME AND CHEMICAL COMPOSITION OF ALL ADMIXTURES. INCLUDE AGGREGATE TYPE, SOURCE, AND GRADATION WITH PERCENT RETAINED ON EACH SIEVE FOR EACH AGGREGATE SIZE GROUP AND TOTAL COMBINED FOR ALL SIZE GROUPS. SUBMIT 14 DAYS MINIMUM PRIOR TO USE.
- MIX AND TRANSPORT READY-MIXED CONCRETE IN ACCORDANCE WITH ASTM C94, EXCEPT REDUCE MAXIMUM DISCHARGE TIME TO 75 AND 60 MINUTES FOR AIR TEMPERATURES OF 85 AND 90°F, RESPECTIVELY.
- THE OWNER'S TESTING AGENCY WILL TEST SAMPLES OF CONCRETE FOR COMPRESSIVE STRENGTH, AIR ENTRAINMENT, SLUMP, DENSITY (UNIT WEIGHT) AND TEMPERATURE WITHIN THE FIRST TRUCK EACH DAY AND CLERK FROM THE FIRST TRUCK EACH DAY AND THEN EACH 100 CUBIC YARDS FOR EACH TYPE OF CONCRETE PLACED PER DAY, BUT NOT LESS THAN ONCE FOR EACH DAY OF CONCRETE PLACEMENT. WHEN ABOVE SCHEDULE PROVIDES LESS THAN FIVE TESTS PER TYPE OF CONCRETE, TEST FIVE RANDOM BATCHES. IF FEWER THAN 5 BATCHES ARE USED, TEST EACH BATCH. IF CONCRETE IS PUMPED, ENSURE TEST SAMPLES ARE TAKEN AT THE POINT OF PLACEMENT. EACH COMPRESSIVE TEST SHALL CONSIST OF FOUR TEST CYLINDERS TO BE TESTED AS FOLLOWS: ONE AT SEVEN DAYS, TWO AT 28 DAYS, ONE REPAIR TO THE FOLLOWING:
 - CEMENT: ASTM C 150.
 - WATER: TYPE I OR TYPE II CEMENT WITH MAXIMUM C3A CONTENT OF 8%.
- AGGREGATES:
 - SUBJECT TO SEVERE WEATHERING AND ABRASION, SURFACE SURFACE IS IMPORTANT.
 - LESS THAN 6% NOR MORE THAN 24% OF TOTAL BY WEIGHT, EXCEPT:
 - LARGEST COARSE AGGREGATE: RETAIN 2% TO 8% OF TOTAL COMBINED AGGREGATES PER MIX DESIGN ON LARGEST SIEVE WITH RETAINED AGGREGATE.
 - NO. 30 AND 50 SIEVES TO BE 6% TO 15%.
 - NO. 100 SIEVE TO BE 2% TO 10%.
 - GRADATION REQUIREMENTS OF ASTM C33 MAY BE WAIVED, IF ALLOWED BY ENGINEER, IN ORDER TO MEET 6% - 24% RANGE NOTED ABOVE.
- WATER: CLEAN AND POTABLE.
- AIR ENTRAINMENT: ASTM C260.
- WATER-REDUCER: ASTM C494, TYPE A, OR D IF APPROVED. NON-CHLORIDE TYPE.
- RETARDER: ASTM C494, TYPE B OR D.
- ACCELERATOR: ASTM C494, TYPE C OR E. NON-CHLORIDE AND NON-THIOCYANATE TYPE.
- FLY ASH: ASTM C 618, CLASS C OR F, EXCEPT LOSS ON IGNITION NOT TO EXCEED 3%.
- SLAG: ASTM C 989, GRADE 100 MINIMUM.
- AGGREGATE BASE: CRUSHER RUN WITH ROCK FINES COMPACT WITH A MINIMUM OF TWO PASSES WITH A SMOOTH VIBRATORY COMPACTOR.
- JOINT BACKUP MATERIAL: POLYETHYLENE FOAM, 100% CLOSED CELL.
- FIRM PREFORMED JOINT FILLER (PJF): ASTM D 1751, NONEXTRUDING, USE FULL DEPTH OF CONCRETE.
- SOFT PREFORMED JOINT FILLER: "EXPANSION JOINT FILLER" BY SONNEBORN, "DECK-O-FOAM" BY W. R. MEADOWS, OR "CEAMAR" FLEXIBLE FOAM BY W. R. MEADOWS. USE FULL DEPTH OF CONCRETE.
- EVAPORATION RETARDANT: "ELUCO-BAR" BY EUCLID, "CONFILM" BY MASTER BUILDERS OR AQUAFILM BY DAYTON SUPERIOR.
- LOAD PLATE DOWELS AND CLIPS: PNA, 1-800-542-0214.
- SQUARE DOWELS AND POKER FORMERS: SQUARE DOWEL SYSTEM BY PNA, 1-800-542-0214.
- PAVEMENT SEALANT: DOW 888 BY DOW CORNING, 105 NS BY PECORA, SPECTRUM 800 OR 900 BY TREMCO.
- LIQUID CURING AND SEALING COMPOUND: ASTM C1315, TYPE 1, SYTHENE ACRYLATE OR METHACRYLATE TYPE, 29% MINIMUM SOLIDS CONTENT, CLEAN, NON-FLOWING, STRENGTH INCREASING NOT ALLOWED AS PART OF BLEND.
- REBAR SUPPORT DEVICES: CRSI MANUAL OF STANDARD PRACTICE.
- DO NOT USE MANUFACTURED SAND EXCEPT AS BLEND WITH NATURAL SAND AND/OR AS APPROVED BY ENGINEER.
- IF POZZOLAN IS APPROVED, ENSURE WEIGHT OF POZZOLAN DIVIDED BY SUM OF CEMENT AND POZZOLAN WEIGHTS IS AT LEAST 15% AND DOES NOT EXCEED FOLLOWING:
 - FLY ASH: CLASS C FLY ASH: 25%.
 - CLASS F FLY ASH: 20%.
 - SLAG: 30%.
- DO NOT USE CALCIUM CHLORIDE AS PART OF ADMIXTURE OR BY ITSELF.
- ENSURE REINFORCING BARS CONFORM TO ASTM A618 GRADE 60, DEFORMED.
- THE GEOTECHNICAL ENGINEERING REPORT INDICATES THAT THE SOILS ON SITE HAVE A XXXXXXXX SULFATE EXPOSURE. WHERE IMPORTED FILL OR BASE MATERIALS ARE IN CONTACT WITH CONCRETE, THE SULFATE CONTENT AND EXPOSURE OF THESE MATERIALS SHALL BE ACQUIRED BY TEST. SUBMIT ALL TEST RESULTS WITH CONCRETE MIX DESIGNS. FAILURE TO PROVIDE SUPPORTING TEST RESULTS FROM AN ACCREDITED TESTING LABORATORY WILL REQUIRE THE CONCRETE MIX TO BE PROPORTIONED FOR VERY SEVERE SULFATE EXPOSURE AT NO ADDITIONAL COST OR DELAY IN THE PROJECT SCHEDULE.
- CONCRETE SHALL BE PROPORTIONED TO MEET THE PROJECT SPECIFICATIONS AND THE MINIMUM CRITERIA ESTABLISHED IN "TABLE A" (THIS SHEET) BASED ON THE SULFATE EXPOSURE FROM AN ADJACENT SOILS OR FILL MATERIALS. ADDITIONALLY, EXTERIOR CONCRETE EXPOSED TO FREEZING TEMPERATURES AND/OR SALT OR DEICING CHEMICALS SHALL HAVE AIR ENTRAINMENT AND THE CEMENT CONTENT APPROPRIATE FOR THE EXPECTED EXPOSURE.
 - MINIMUM 650 PSI AND A 0.45 w/c RATIO. AIR ENTRAINMENT CONCRETE TO PROVIDE 6% (+/- 1.5%) AIR. PROVIDE SLUMP OF FIVE INCHES (+/- ONE INCH) AT POINT OF CONCRETE PLACEMENT.
- CONCRETE TO MEET DURABILITY REQUIREMENTS OF ACI 301. FREEZING AND THAWING EXPOSURE CATEGORY TO BE [F0] [F1] [F2] [F3]. SULFATE EXPOSURE CATEGORY TO BE [S0] [S1] [S2] [S3]. AND CORROSION PROTECTION EXPOSURE CATEGORY TO BE [C0] [C1] [C2]. PROVIDE A MINIMUM CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS OF [3500 PSI] [4000 PSI] [4500 PSI] [5000 PSI] WITH MAXIMUM WATER/CEMENTITIOUS RATIO OF [0.55] [0.50] [0.45] [0.40].
- ENSURE REINFORCING BARS CONFORM TO ASTM A618 GRADE 60, DEFORMED.
- PROVIDE CLASS B TENSION LAP SPACES PER ACI 318, FOR CONCRETE STRENGTH AND BAR LOCATIONS NOTED.
- MAINTAIN FULL THICKNESS FOR DEPRESSED OR SLOPED PAVEMENTS.
- ** DO NOT ADD WATER OR PLAIN CEMENT TO ANY PAVEMENT SURFACE DURING FINISHING OPERATIONS.
- PERFORM NO FINISHING OPERATION WHILE WATER PRESENT ON PAVEMENT SURFACE.
- STRIKE OFF CONCRETE TO REQUIRED ELEVATIONS AND IMMEDIATELY START FINISHING/FLATTENING OPERATIONS. ENSURE FINISHING OPERATIONS ARE NO MORE THAN NECESSARY TO REMOVE IRREGULARITIES AND MEET SPECIFIED TOLERANCES. USE A HIGHWATER STRENGTH 1/2" OR WIDER MAXIMUM, UNLESS OTHERWISE ALLOWED BY OWNER'S REPRESENTATIVE. IN ORDER TO CUT OFF HIGH SPOTS AND FILL IN LOW SPOTS, PERFORM FINISHING OPERATIONS AS NECESSARY TO ENSURE PAVEMENT WILL DRAIN WELL, UNIFORMLY FINISH SURFACE TO TEXTURE PREVIOUSLY APPROVED BY OWNER'S REPRESENTATIVE. ** DO NOT ALLOW SURFACE TO DRY DURING FINISHING OPERATIONS AND BEFORE CURING COMPOUND IS APPLIED. USE EVAPORATION RETARDANT AS NECESSARY TO PREVENT SURFACE DRYING AND PLASTIC SHRINKAGE CRACKS.
- FOR TOLERANCES CONFORM TO ACI 117 AND ACI 347R, EXCEPT AS NOTED BELOW:
 - PAVEMENT AGGREGATE BASE FINE GRADE 40, +/- 3/4 INCH.
 - MINIMUM PAVEMENT TOLERANCE: +/- 3/16 INCH.
 - WHEN COMPUTING THE AVERAGE OF ALL SAMPLES, SAMPLES WITH A THICKNESS MORE THAN 8 INCH ABOVE THE SPECIFIED THICKNESS SHALL BE ASSUMED TO HAVE A THICKNESS OF 3/4 INCH MORE THAN THE SPECIFIED THICKNESS.
 - AVERAGE PAVEMENT THICKNESS TOLERANCES:
 - THICKNESS SAMPLES ARE TO BE RANDOMLY LOCATED FROM EACH PAVEMENT PLACEMENT AND NOT EXCEED 1000 SQUARE FEET OF PAVEMENT SURFACE AREA.
- START SAWING PAVEMENT CONTRACTION JOINTS USING A "SOFF-CUT" SAW, BLADES AND SKID PLATES AS SOON AS CONCRETE HAS HARDENED SUFFICIENTLY TO PREVENT RAVELLING OR DISLODGING OF AGGREGATES. UNLESS RAVELLING OR DISLODGING OCCURS, COMPLETE SAWING OF JOINTS WITHIN THE MAXIMUM ELAPSED TIME LIMIT NOTED BELOW, BUT NOT EXCEED THE TIME FOR ANY ONE LOCATION STARTS WHEN FINISHING OPERATIONS ARE COMPLETE FOR THAT LOCATION. THE SPECIFIED TEMPERATURE IS THE MAXIMUM AIR TEMPERATURE IN DEGREES FAHRENHEIT (°F) THAT OCCURS WITHIN THE SPECIFIED TIME LIMIT. THE ELAPSED TIME MAY NEED TO BE SHORTENED EVEN MORE IF DRY AND WINDY CONDITIONS ARE PRESENT. ENCHISE JOINTS ARE CLEANED AFTER SAWING AND REMAIN CLEAN UNTIL SEALED.

MAXIMUM FAHRENHEIT (°F)	MAX ELAPSED HOURS
85 AND ABOVE	1
80 - 84	2
75 - 79	3
70 - 74	4
- START CURING AS SOON AS CONCRETE SURFACE WILL NOT BE DAMAGED BY CURING OPERATIONS.
- ENSURE PAVEMENT SURFACE IS PROTECTED FROM EQUIPMENT SCRAPS, IMPACT ABRASIONS, STAINS, ETC. REPAIR PAVEMENT SURFACE AS DIRECTED BY OWNER'S REPRESENTATIVE. ENSURE VEHICLES AND EQUIPMENT ARE DIAPHRAGMED TO PREVENT OIL OR OTHER FLUID LEAKS FROM STAINING THE PAVEMENT. VEHICLE AND EQUIPMENT TRAFFIC IS PROHIBITED UNTIL THE COMPLETE CURING OPERATIONS ARE COMPLETED (MINIMUM OF SEVEN CONSECUTIVE DAYS).
- REFER TO ARCHITECTURAL, MECHANICAL, ELECTRICAL, PROCESS, CIVIL AND VENDOR'S DRAWINGS FOR EMBEDDED ITEMS NOT SHOWN. COORDINATE AND PLACE ALL EMBEDDED ITEMS SHOWN ON THE DRAWINGS OR REQUIRED BY ALL TRADES.
- PRE-CONSTRUCTION MEETINGS:
 - ATTEND PRE-CONSTRUCTION / PLACEMENT MEETING TO BE SCHEDULED AT LEAST 7 DAYS BEFORE STARTING MAIN CONCRETE PAVEMENT.
 - ATTENDANCE DESIGNATED BY THE OWNER'S REPRESENTATIVE AND THE FOLLOWING:
 - STRUCTURAL SERVICES INC. REPRESENTATIVE (BS3-4051), TESTING AGENCY, CONTRACTOR, CONCRETE SUPPLIER (INCLUDING QUALITY CONTROL PERSONNEL), AND SUBCONTRACTORS FOR SUBGRADE AND BASE PREPARATION, REINFORCING, PUMPING OR OTHER MEANS OF CONCRETE PLACEMENT, FINISHING, SAWING, FORMWORK, AND OTHER PERTINENT PORTIONS OF WORK.
 - REPRESENTATIVES ARE TO BE PERSONNEL WHO ARE DIRECTLY INVOLVED IN PROJECT AND WHO HAVE AUTHORITY TO CONTROL WORK.

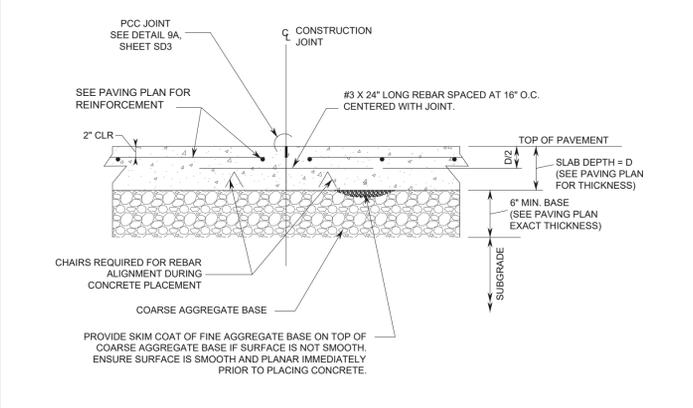
TABLE A: NASHVILLE & BELOW (SEE CONCRETE PAVEMENT NOTE #5)

SULFATE EXPOSURE	WATER SOLUBLE SULFATE (SO4) IN WATER PPM	SULFATE (SO4) IN WATER PPM	PORTLAND CEMENT TYPE	MAXIMUM W/C RATIO	CONCRETE PAVEMENTS
NEGLECTIBLE	0.00 < SO4 < 0.10	0 < SO4 < 150	I	0.55	3500
MODERATE	0.10 < SO4 < 0.20	150 < SO4 < 1500	II	0.50	4000
SEVERE	0.20 < SO4 < 2.00	1500 < SO4 < 10,000	V	0.45	4500
VERY SEVERE	SO4 > 2.00	SO4 > 10,000	V PLUS POZZOLAN	0.40	5000

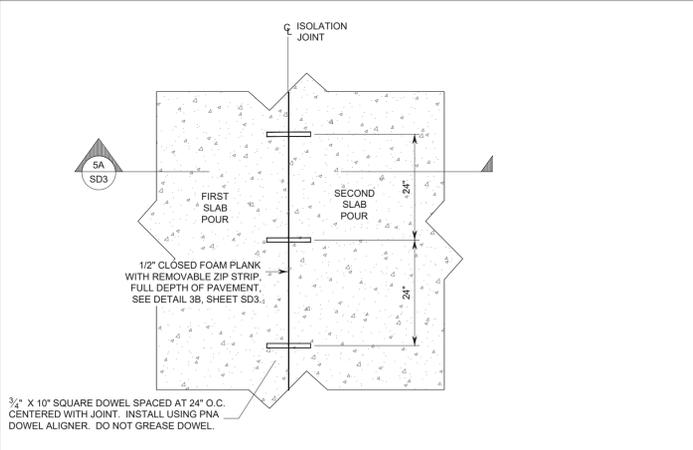
NOTE TO CIVIL ENGINEERING COMPANY
TYPICALLY USE "MODERATE" EXPOSURE FROM TABLE. CONTACT EPM IF EXPOSURE CLASS SHOULD BE CHANGED.



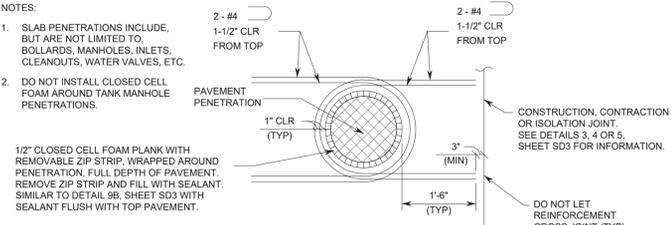
3 SD3 NTS SLAB CONSTRUCTION JOINT SECTION



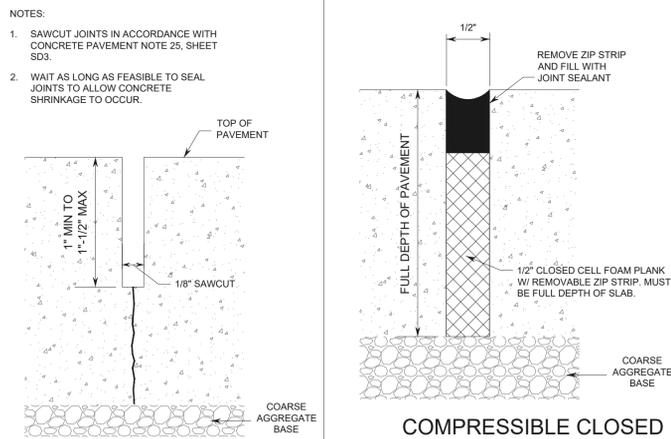
4A SD3 NTS SLAB CONSTRUCTION JOINT SECTION



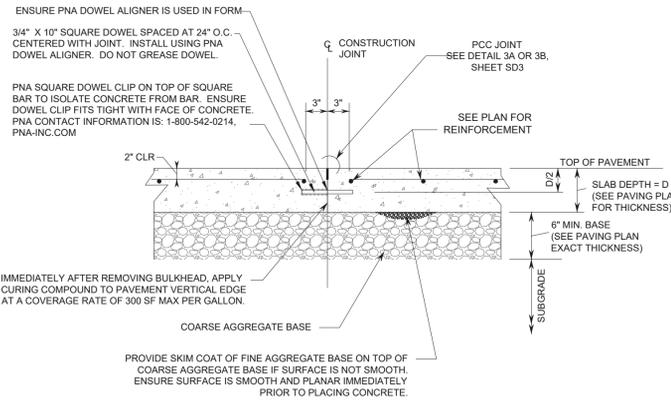
5 SD3 NTS ISOLATION JOINT PARTIAL PLAN DETAIL



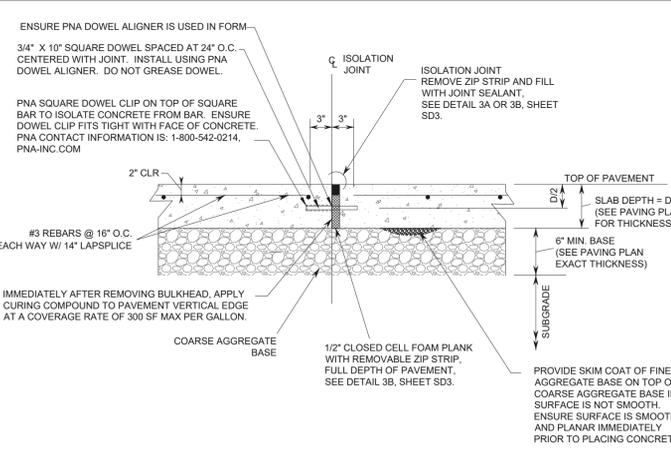
1 SD3 NTS SLAB PENETRATIONS DETAIL (SSW, BOLLARD, ETC)



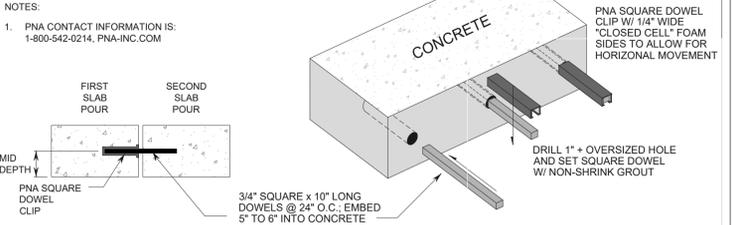
3A SD3 NTS PCC JOINT DETAIL



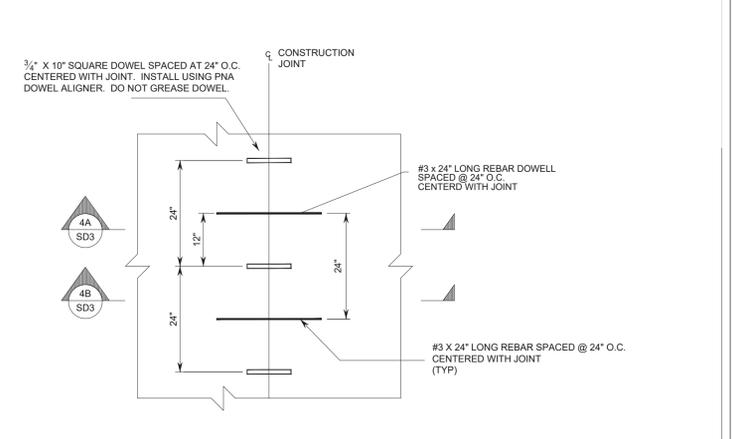
3B SD3 NTS SLAB CONSTRUCTION JOINT SECTION



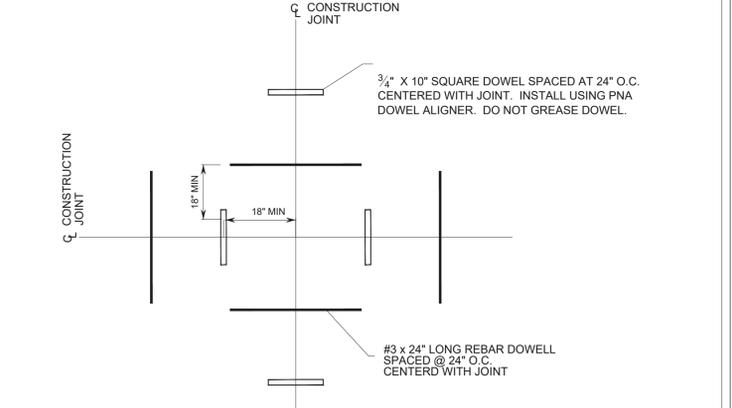
5A SD3 NTS ISOLATION JOINT SECTION



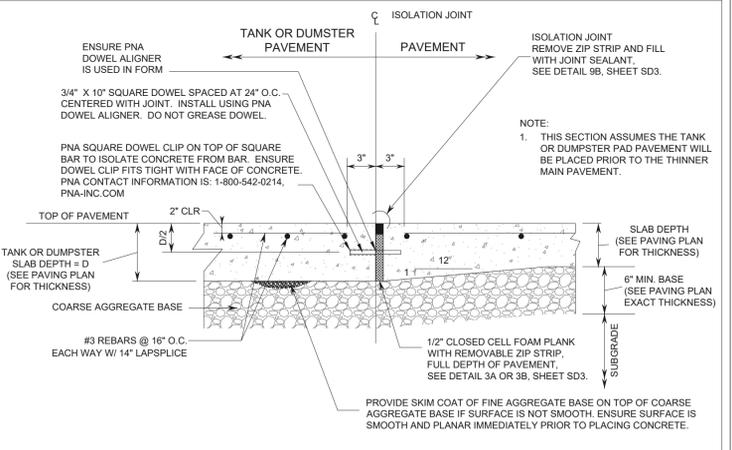
2 SD3 NTS PNA SQUARE DOWEL PLATE DETAIL (TYP)



4 SD3 NTS CONSTRUCTION JOINT PARTIAL PLAN DETAIL



4B SD3 NTS SLAB CONSTRUCTION JOINT SECTION



5B SD3 NTS ISOLATION JOINT @ TANK PAD AND DUMPSTER PAD PAVEMENT SECTION

ENGINEER'S CERTIFICATION:

MASTROSERIO ENGINEERING, INC
CIVIL * ENVIRONMENTAL * SITE DESIGN
170 SE 32ND PLACE
OCALA, FL 34471
PH: (352) 433-2185
PAOLO@MASTROSERIOENG.COM

DATE: MASTROSERIO, P.E. 65691
MASTROSERIO ENGINEERING, INC. C.A.#26169
170 SE 32ND PLACE
OCALA, FL 34471

RESPONSE TO COUNTY RAI SUBMITTAL 1

NO. 1

REVISION 04-26-24

DATE

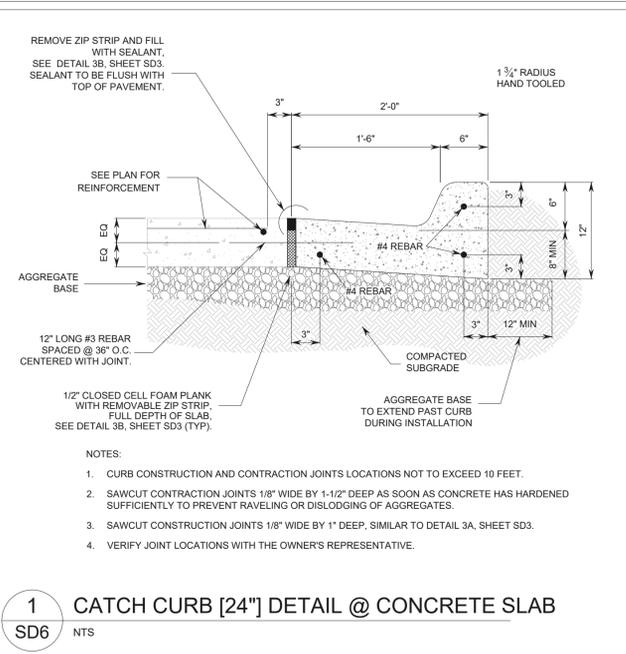
PROJECT NAME / INTERSECTION

US 441 @ SE 147TH
Summerfield, FL
Marion County

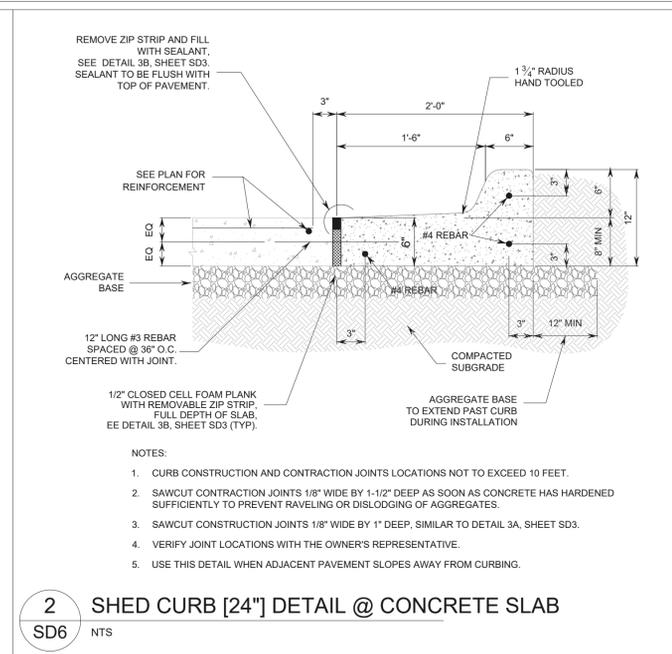
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SD3

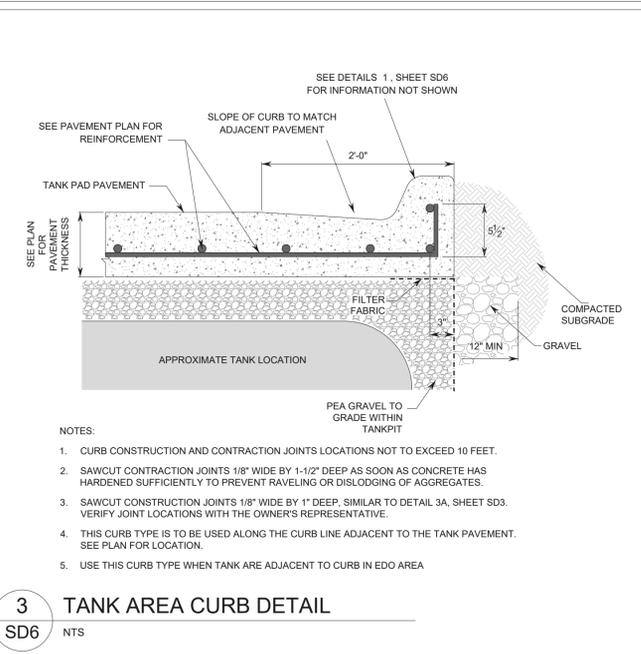
SHEET NO. VERSION



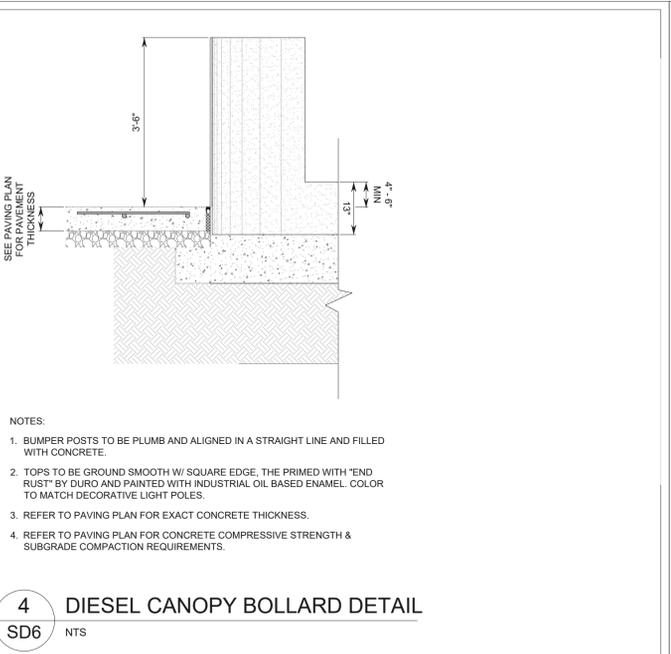
1 CATCH CURB [24"] DETAIL @ CONCRETE SLAB
SD6 NTS



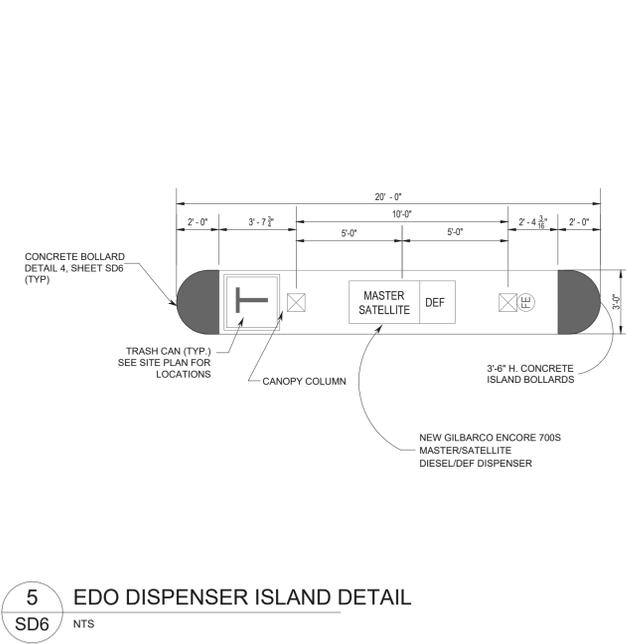
2 SHED CURB [24"] DETAIL @ CONCRETE SLAB
SD6 NTS



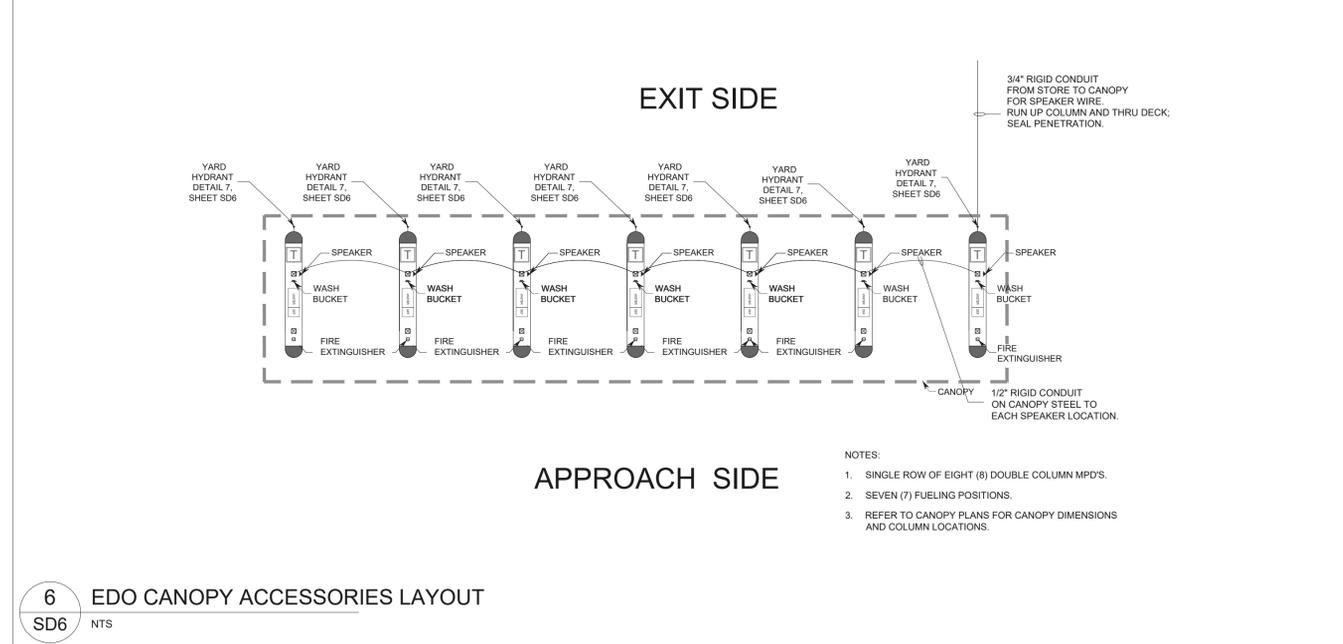
3 TANK AREA CURB DETAIL
SD6 NTS



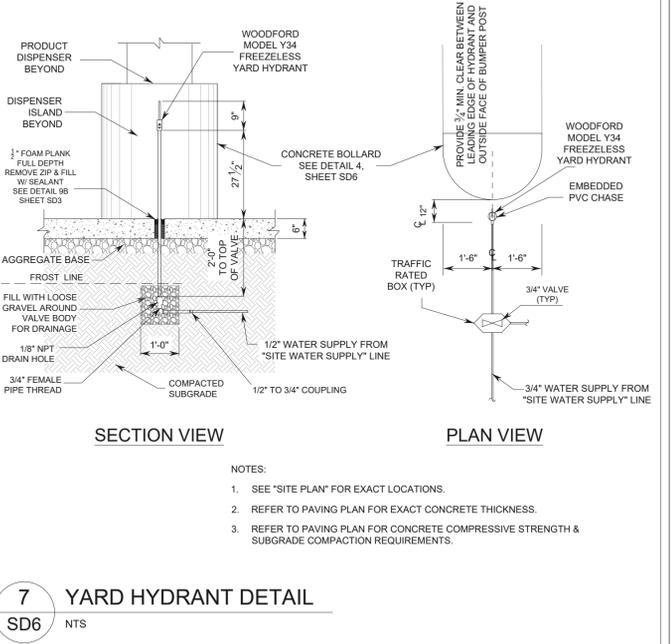
4 DIESEL CANOPY BOLLARD DETAIL
SD6 NTS



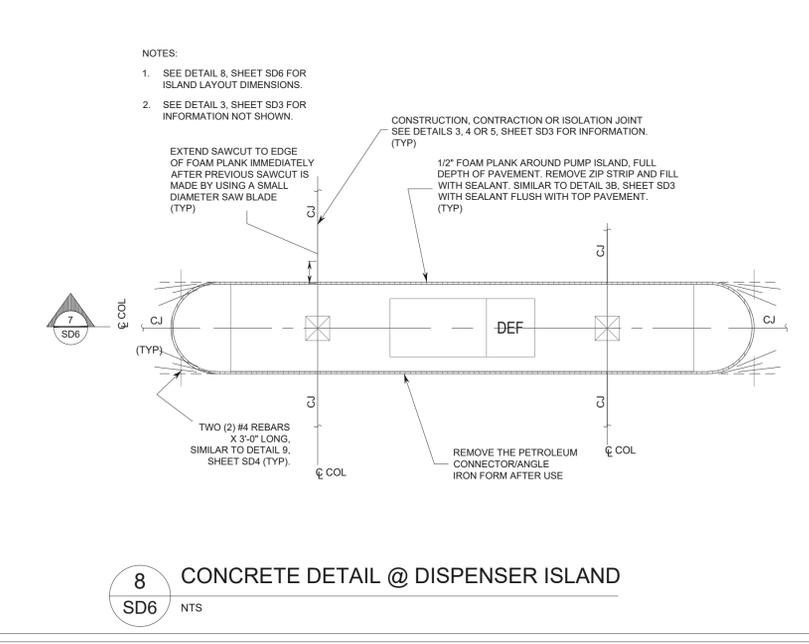
5 EDO DISPENSER ISLAND DETAIL
SD6 NTS



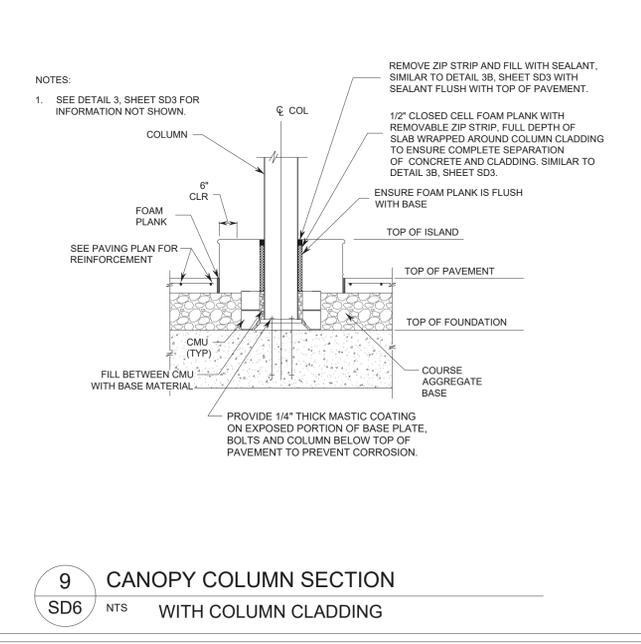
6 EDO CANOPY ACCESSORIES LAYOUT
SD6 NTS



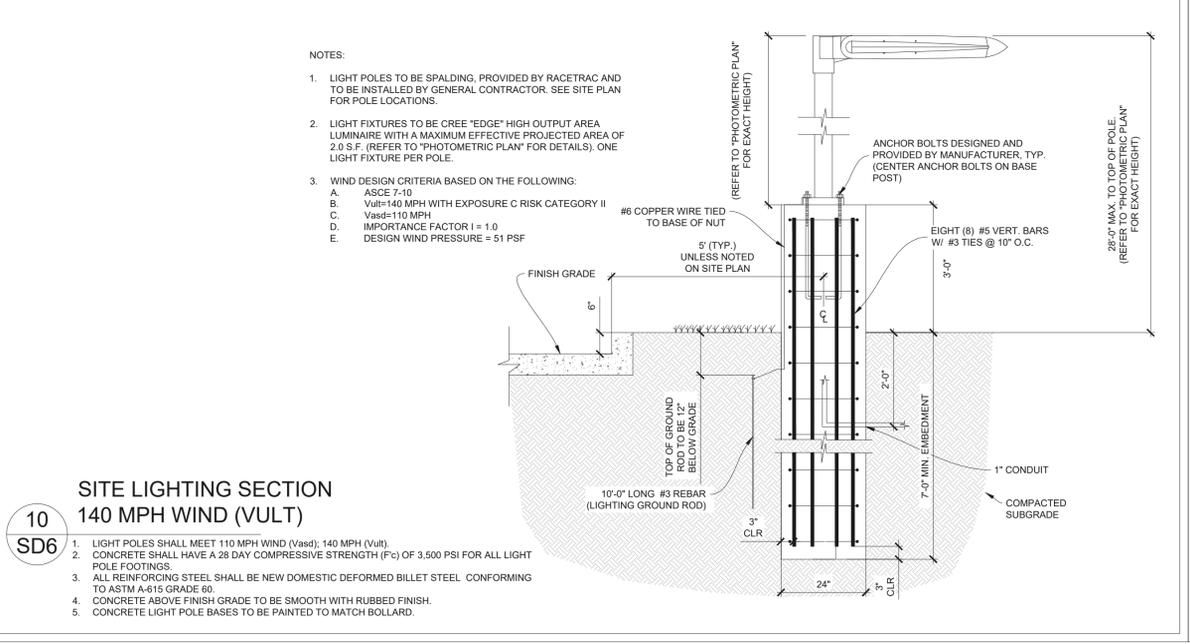
7 YARD HYDRANT DETAIL
SD6 NTS



8 CONCRETE DETAIL @ DISPENSER ISLAND
SD6 NTS

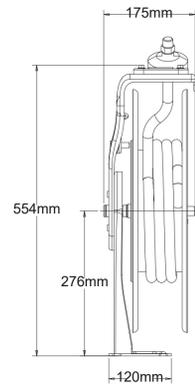
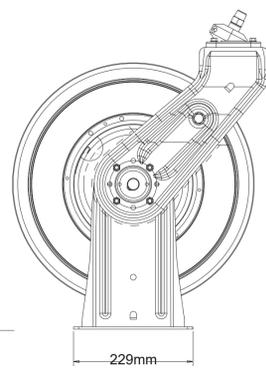
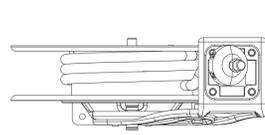


9 CANOPY COLUMN SECTION WITH COLUMN CLADDING
SD6 NTS



10 SITE LIGHTING SECTION 140 MPH WIND (VULT)
SD6 NTS

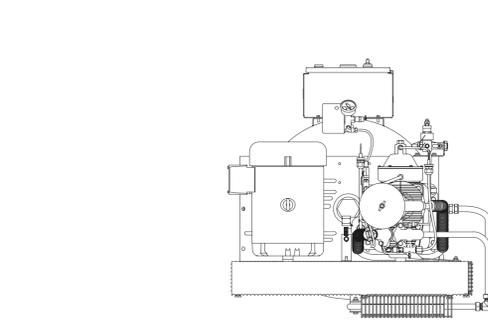
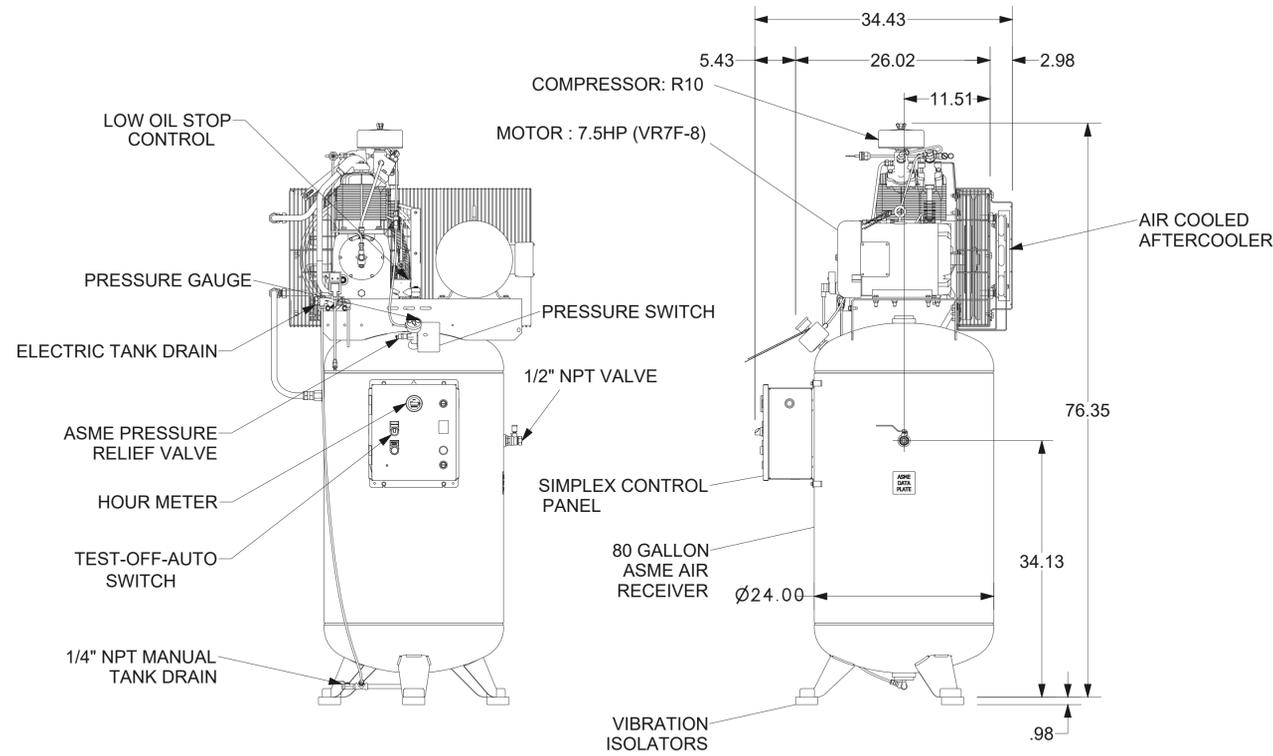
ENGINEER'S CERTIFICATION:		DATE: PAOLO MASTROSERIO, P.E. 58691 MASTROSERIO ENGINEERING, INC. C.A.#26159 170 SE 32ND PLACE OCALA, FL 34711	RESPONSE TO COUNTY RAI SUBMITTAL 1	NO.	REVISION	DATE
THESE PLANS ARE SUBJECT TO FEDERAL COPYRIGHT LAWS. ANY USE OF SAME WITHOUT THE EXPRESSED PERMISSION OF RACETRAC PETROLEUM, INC. IS PROHIBITED.		MASTROSERIO ENGINEERING, INC. CIVIL * ENVIRONMENTAL * SITE DESIGN 170 SE 32ND PLACE OCALA, FL 34711 PH: (352) 433-2185 PAOLO@MASTROSERIOENGINEERING.COM	1			04-26-24
STANDARD DETAILS	PROJECT NAME / INTERSECTION	US 441 @ SE 147TH Summerfield, FL Marion County				
SD6	DRAWN-BY	WPDD				
	DATE	4/28/2024				
	SCALE					
	DRAWING NAME:	RT Standard Details (2023).dwg				
	SHEET NO.	VERSION				



METRIC - ASME Y14.5M
 UNLESS OTHERWISE NOTED:
 DIMENSIONS ARE IN MILLIMETERS
 SILICONE-FREE STD 4.1208
 DIM & TOL STD 1.0402 & ASME Y14.5M - 1994
 TOLERANCES - SEE GRACO STANDARDS
 CENTERLINE VARIANCE STD 1.0406
 HOLES STD 1.0407
 SHEET METAL STD 4.0100
 PLATED & HT TR PARTS STD 1.0409
 BURRS & EDGES STD 1.0420
 THREADS STD 1.0425
 SURFACE ROUGHNESS STD 1.0445



1 SERIES F - AIR HOSE REEL
 SD7 NOTES:
 1. NTS; PRINT FOR REFERENCE ONLY.
 2. SEE MANUAL FOR MOUNTING DIMENSIONS

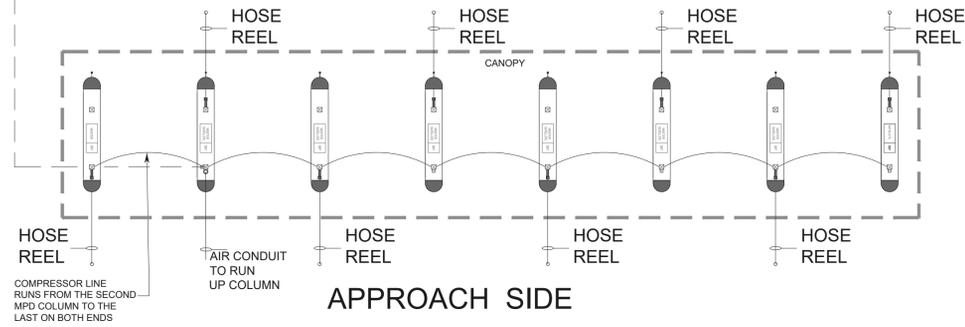


2 0800-OUTLINE-BARE UNIT, 80GL ELECTRIC
 SD7 NOTES:
 1. NTS
 2. SPECIFICATIONS AND DIMENSIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE OR OBLIGATION.
 3. ALL DIMENSIONS ARE IN INCHES.

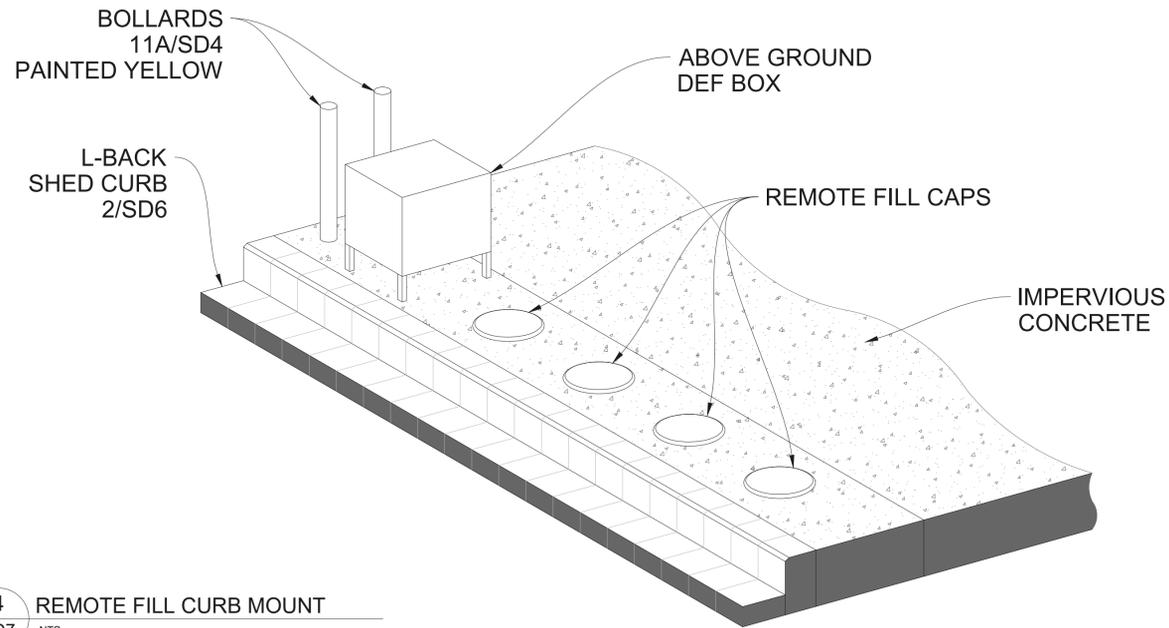
FINISH OF CHAMFERS AND FILLETS TO CONFORM TO ROUGHEST ADJACENT AREA.
 SURFACE ROUGHNESS MAXIMUM PER ASME B46.1. FULL THREAD DEPTHS ARE MINIMUM.
 UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
 TOL. ON DECIMALS: .X = ± .05
 TOL. ON DECIMALS: .XX = ± .02
 TOL. ON DECIMALS: .XXX = ± AS SPECIFIED
 TOL. ON ANGLES: = ± 0°-30'
 THIRD ANGLE PROJECTION

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 DIMENSIONING AND TOLERANCING PER ASME Y14.5-2009
 THREADS PER ASME B1.1 GAGING SYSTEM 21 U.O.S., ANSI B1.20.1 & B1.20.3
Gardner Denver
 Gardner Denver Inc.
 Quincy, IL.

NEAREST APPROACH FROM COMPRESSOR UNIT



3 EDO CANOPY - AIR COMPRESSOR/HOSE LAYOUT
 SD7 NOTES:
 1. NTS
 2. HOSE REEL LOCATION ALTERNATES FROM TO APPROACH SIDE
 3. REFERENCE 6 SD6 FOR ALL OTHER ACCESSORY LAYOUTS



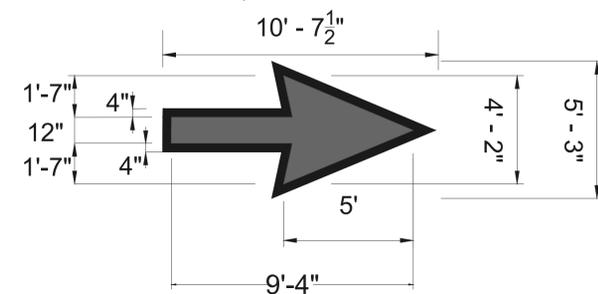
4 REMOTE FILL CURB MOUNT
 SD7 NTS

- USTC SUPREME TRAFFIC LINE MARKING PAINT, YELLOW
- USTC SUPREME TRAFFIC LINE MARKING PAINT, BLACK



STRIPING WIDTHS		
	YELLOW BAND	BLACK OUTLINE
PARKING LINE	0'-8"	0'-4"
PARKING TEXT	4' TALL	0'-4"
STOP BAR	2'-0"	N/A
VAR. ARROWS	1' TO 1'-3" (SEE DOT MANUAL)	0'-4"

5 TRUCK COURT PAINT SPEC
 SD7 NTS
 NOTE:
 • REFER TO LOCAL DOT CONSTRUCTION DETAILS ON PAVEMENT ARROW MARKING DIMENSIONS AND DESIGN WHEN APPLICABLE.
 • CONFIRM LOCAL JURISDICTION REQUIREMENTS ON PAINT COLOR



ENGINEER'S CERTIFICATION:

DATE: PAOLO MASTROSERIO, P.E. 56691
 MASTROSERIO ENGINEERING, INC. C.A.#26159
 170 SE 32ND PLACE
 Ocala, FL 34471

MASTROSERIO ENGINEERING, INC.
 CIVIL * ENVIRONMENTAL * SITE DESIGN
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 PAOLO@MASTROSERIOENG.COM

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RaceTrac
 RACETRAC PETROLEUM, INC.
 1700 W. STATE AVE. SUITE 300
 ANTLA, CA 90859
 (770) 431-7600

STANDARD DETAILS
 PROJECT NAME / INTERSECTION
 US 441 @ SE 147TH
 Summerfield, FL
 Marion County
 DRAWN-BY: WPDD
 DATE: 4/28/2024
 SCALE:
 DRAWING NAME:
 RT Standard Details (2023).dwg
SD7
 SHEET NO. VERSION

RESPONSE TO COUNTY RAI SUBMITTAL 1
 REVISION
 NO. 1
 DATE 04-26-24

1 MODEL-1 HYDRO C-0800 MONSTER - LID INSTALL
SD9 NTS

4	1	MANHOLE-LID-SO#	MUFFIN MONSTER MANHOLE	FRP
3	1	32598R-SO#	GUIDERAIL ASSY: ROUND WALL	304 SST
2	1	A12199-SO#	ULTRAFRAME - CHANNEL	304 SST
1	1	10002 / 1-HYDRO-C-0800	MONSTER GRINDER	DUCTILE IRON
ITEM	QTY	PART / ASSEMBLY NUMBER	DESCRIPTION	LENGTH

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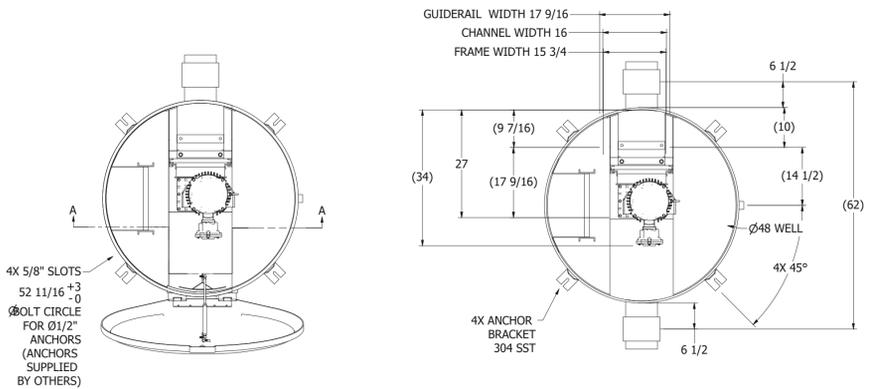
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES [mm]		CONTRACT NO.	
FRACTIONS ± 1/16	DECIMALS .XX ± .03	APPROVALS	DATE
ANGLES ± 1/2°	.XXX ± .005	DRAWN P. LOO	5-23-19
MATERIAL AS NOTED	CHECKED	MANUF.	
FINISH	Q.C.		
DO NOT SCALE DRAWING			

JWC ENVIRONMENTAL
290 PAULARINO AVE, COSTA MESA, CA 92626

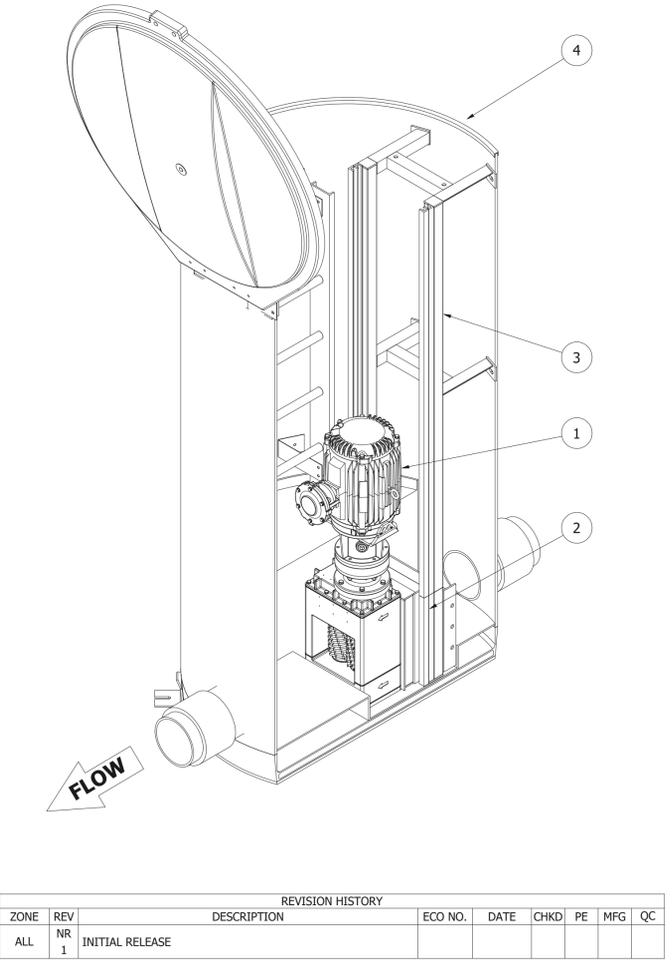
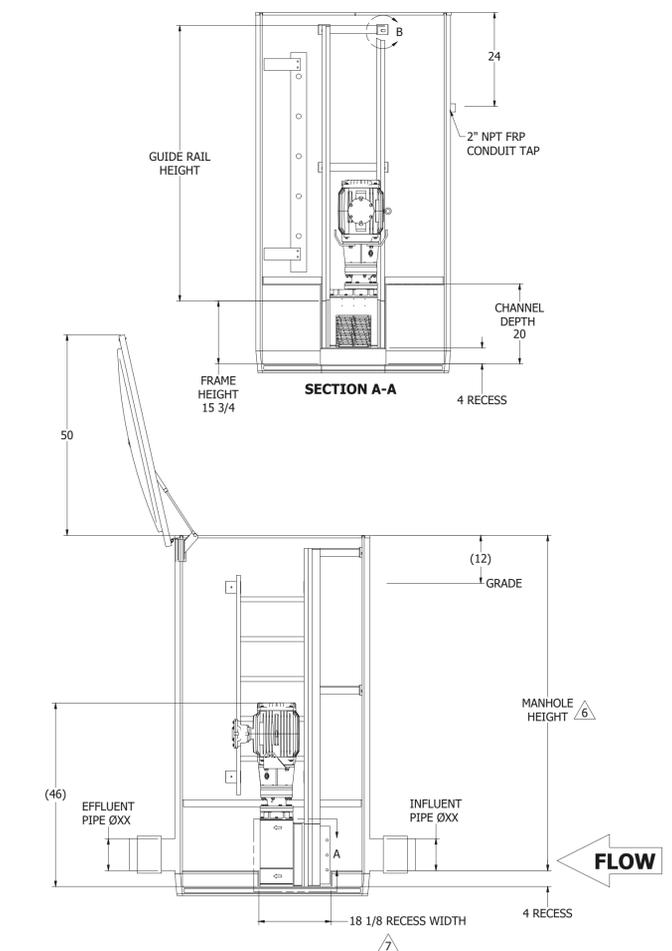
MANHOLE MONSTER INSTALLATION
LID TYPE
WITH 4" RECESS IN CHANNEL

SIZE **D** DRAWING NO. **ML-1KXX-CD-SO#** REV **NR1**

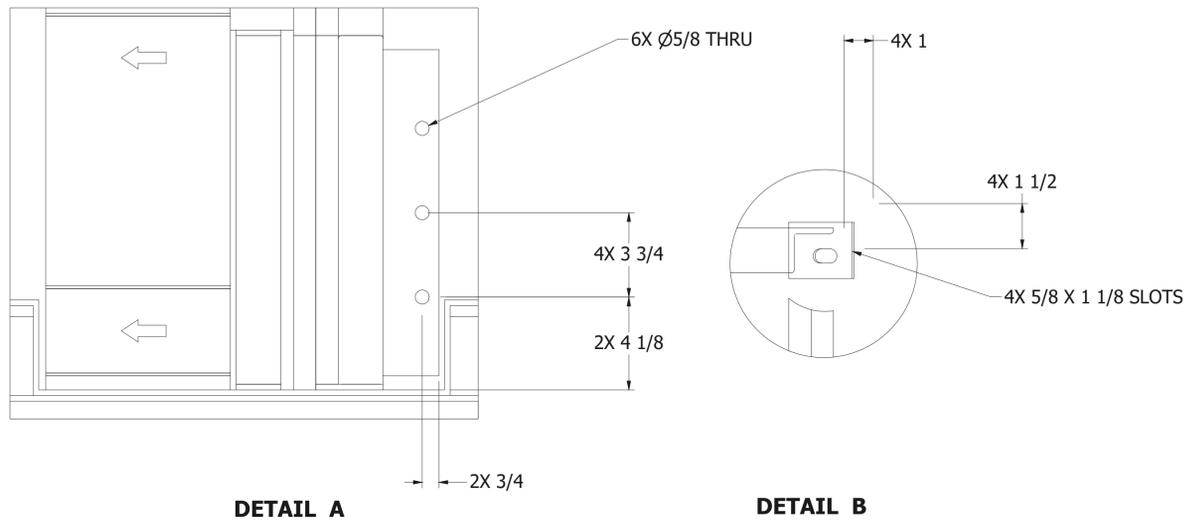
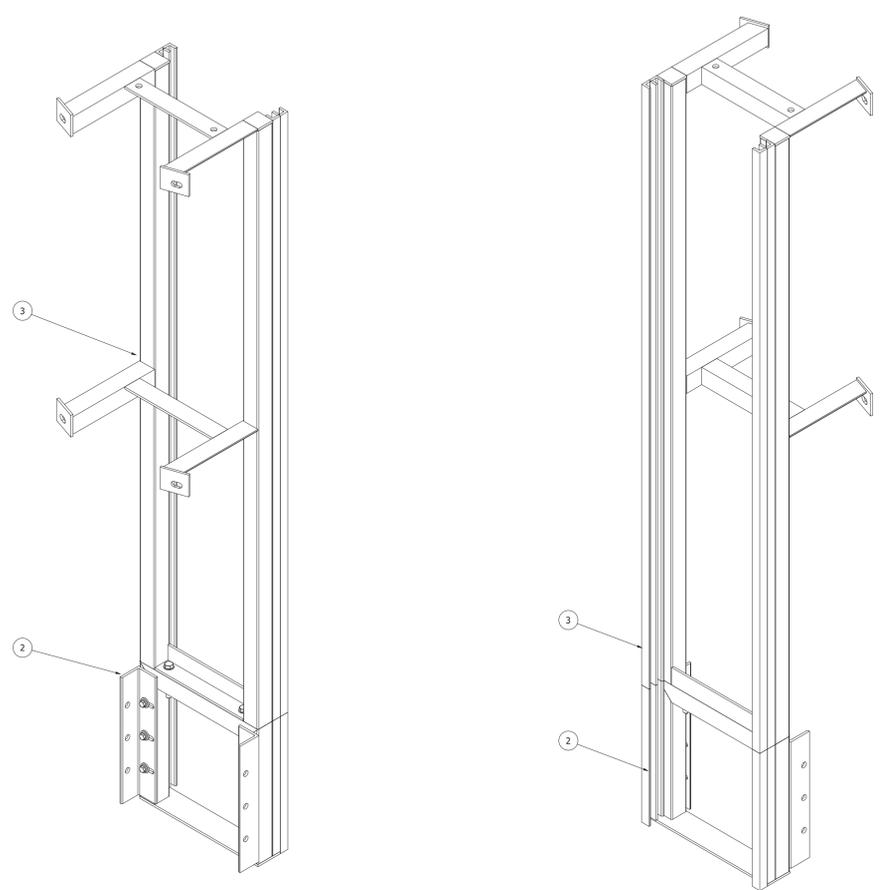
SCALE: NONE SHEET 1 OF 2



- NOTES: UNLESS OTHERWISE SPECIFIED
- Ø1/2" ANCHOR BOLTS ARE PROVIDED BY OTHERS.
 - SEE CONFIGURATION DRAWING FOR GRINDER DIMENSIONS AND DETAILS.
 - ALL DIMENSIONS NEED TO BE CONFIRMED TO ENSURE PROPER FIT.
 - APPROXIMATE WEIGHTS:
FRAME: 65 LBS.
GUIDERAIL: TBD LBS.
GRINDER: TBD LBS.
 - LIFTING CHAIN CAN BE PROVIDED IN ORDER, BUT NO IN DRAWING/BOM.
 - MINIMUM HEIGHT OF MANHOLE IS 65" (5.5').
 - RECESS WIDTH ALSO ACTS AS AN INTEGRAL GRIT TRAP PRIOR TO THE GRINDER OR HYDRO UNIT, PERIODIC SOLIDS REMOVAL FROM THE TRAP IS RECOMMENDED FOR PROPER PERFORMANCE AND INCREASED LIFE OF THE EQUIPMENT.



REVISION HISTORY							
ZONE	REV	DESCRIPTION	ECO NO.	DATE	CHKD	PE	QC
ALL	NR 1	INITIAL RELEASE					



JWC ENVIRONMENTAL
290 PAULARINO AVE, COSTA MESA, CA 92626

MANHOLE MONSTER INSTALLATION
LID TYPE
WITH 4" RECESS IN CHANNEL

SIZE **D** DRAWING NO. **ML-1KXX-CD-SO#** REV **NR1**

SCALE: NONE SHEET 2 OF 2

2 MODEL-1 HYDRO C-0800 MONSTER - MANHOLE INSTALL
SD9 NTS

ENGINEER'S CERTIFICATION:

PAOLO MASTROSERIO, P.E. 68691
MASTROSERIO ENGINEERING, INC. C.A.#26159
170 SE 32ND PLACE
OCALA, FL 34471

DATE: 04-26-24
RESPONSE TO COUNTY RAI SUBMITTAL 1
REVISION NO. 1

MASTROSERIO ENGINEERING, INC.
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10000 W. STATE AVE. SUITE 900 ATLANTA, GA 30359
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STANDARD DETAILS
PROJECT NAME / INTERSECTION
US 441 @ SE 147TH
Summerfield, FL
Marion County

DRAWN-BY: WPDE
DATE: 4/28/2024
SCALE:
DRAWING NAME:
RT Standard Details (2023).dwg

SD9
SHEET NO. VERSION