

January 30, 2025

PROJECT NAME: RACETRAC SUMMERFIELD

PROJECT NUMBER: 2008020043

APPLICATION: MAJOR SITE PLAN #31043

1 DEPARTMENT: ENGTRF - TRAFFIC REVIEW

REVIEW ITEM: 6.12.11 - Turn lanes

STATUS OF REVIEW: NO

REMARKS: 12/9/24 - Offsite improvement plan required for turn lane construction. Staff supports a waiver to include turn lanes on major site plan in lieu of submitting offsite improvement plan.

Related comments:

1. Sheet C9.4 - Specify FC-12.5, PG 76-22 for the friction course.

2. Sheet C9.4 - Per LDC 6.12.3, provide a 2 ft paved shoulder on both sides of Sunset Harbor Rd.

3. Sheet C9.4 - Include a dimension for the width of the eastbound right turn lane on this sheet.

4. Sheet C9.4 - Three traffic signs on the south side of Sunset Harbor Rd will need to be relocated due to the roadway widening. Show the sign relocation on the plans.

8/27/24 - Turn lane review still pending resubmittal and completion of traffic study.

2/12/24 - The turn lanes will be reviewed once the traffic study is complete.

2 DEPARTMENT: LSCAPE - LANDSCAPE DESIGN AND IRRIGATION

REVIEW ITEM: 6.7.4 - Shade tree requirements

STATUS OF REVIEW: NO

REMARKS: Shade trees proposed do not meet requirements -186 required, 85 proposed. Waiver to reduce number of trees is required

3 DEPARTMENT: LSCAPE - LANDSCAPE DESIGN AND IRRIGATION

REVIEW ITEM: 6.7.9 - Replacement trees; general requirements

STATUS OF REVIEW: NO

REMARKS: Applicant to revise tree replacement calculations, and show any deficit of trees in inches

4 DEPARTMENT: LSCAPE - LANDSCAPE DESIGN AND IRRIGATION

REVIEW ITEM: 6.8.8 - Building landscaping

STATUS OF REVIEW: NO

REMARKS: Waiver approved to work with staff to meet this requirement, please contact 352-671-8556 to discuss

5 DEPARTMENT: ENRAA - ACQ AGENT ENG ROW

REVIEW ITEM: Major Site Plan

STATUS OF REVIEW: NO

REMARKS: Per LRM 2024-1091, the County rejects their proposed adjustments to our offered templates. They can either proceed with the forms as we've presented them or they can add the required dedications and easements to the plat per the code, at this time. 12/19/24 HR

Please submit cross access and right of way deed to OCE for review and approval 9.5.24 AL

****IF APPLICABLE****

Sec. 2.18.1.I - Show connections to other phases.

Sec.2.19.2.H – Legal Documents

Legal documents such as Declaration of Covenants and Restrictions, By-Laws, Articles of Incorporation, ordinances, resolutions, etc.

Sec. 6.3.1.B.1 – Required Right of Way Dedication (select as appropriate)

For Public Streets. "[All streets and rights-of-way shown on this plat or name specifically if less than all] are hereby dedicated for the use and benefit of the public."

Sec. 6.3.1.B.2 – Required Right of Way Dedication

For Non-Public Streets. "[All streets and rights-of-way shown on this plat or name specifically if less than all] are hereby dedicated privately to the [entity name]. All public authorities and their personnel providing services to the subdivision are granted an easement for access. The Board of County Commissioners of Marion County, Florida, shall have no responsibility, duty, or liability whatsoever regarding such streets. Marion County is granted an easement for emergency maintenance in the event of a local, state, or federal state of emergency wherein the declaration includes this subdivision or an emergency wherein the health, safety, or welfare of the public is deemed to be at risk."

Sec. 6.3.1.D.3 - Cross Access Easements

For Cross Access Easements. "All parallel access easements shown on this plat are hereby dedicated for the use and benefit of the public, and maintenance of said easements is the responsibility of [entity name]."

Sec. 6.3.1.C.1 - Utility Easements (select as appropriate)

"[All utility easements shown or noted or name specifically if less than all] are dedicated [private or to the public] for the construction, installation, maintenance, and operation of utilities by any utility provider."

Sec. 6.3.1.C.2 – Utility Easements

"[All utility tracts or identify each tract as appropriate] as shown are dedicated [private or to the public] for the construction and maintenance of such facilities."

Sec.6.3.1.D(c)(1)(2)(3) - Stormwater easements and facilities, select as appropriate:

1. "[All stormwater and drainage easements as shown or noted or name specifically if less than all] are dedicated [private or to the public] for the construction and maintenance of such facilities."
2. "[All stormwater management tracts or identify each tract as appropriate] as shown are dedicated [private or to the public] for the construction and maintenance of such facilities."
3. When any stormwater easement and/or management tract is not dedicated to the public or Marion County directly, the following statement shall be added to the dedication language: "Marion County is granted the right to perform emergency maintenance on the [stormwater easement and/or management tract, complete accordingly] in the event of a local, state, or federal state of emergency wherein the declaration includes this subdivision or an emergency wherein the health, safety, or welfare of the public is deemed to be at risk."

Sec.6.3.1.D(f) –

If a Conservation Easement is required the following shall be provided: "A conservation easement [as shown or on tract and identify the tract, complete accordingly] is dedicated to [the Board of County Commissioners of Marion County, Florida or entity name, if not Marion County] for the purpose of preservation of [listed species, habitat, Karst feature and/or native vegetation, complete accordingly]."



**Marion County
Board of County Commissioners**

Office of the County Engineer

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

DEVELOPMENT REVIEW COMMITTEE WAIVER REQUEST FORM

Date: 01/22/2024 Parcel Number(s): 45976-000-00 Permit Number: 2008020043 (AR 3104)

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: *[Handwritten Signature]*
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): Sec. 6.7.4 Shade Tree Requirements
Reason/Justification for Request (be specific): A waiver is requested to reduce the number of trees due to allocated land for Future Development

DEVELOPMENT REVIEW USE:

Received By: _____ Date Processed: _____ Project # _____ AR # _____

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



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DEVELOPMENT REVIEW COMMITTEE WAIVER REQUEST FORM

Section & Title of Code (be specific) _____ Sec. 6.8.8 - Building Landscape

Reason/Justification for Request (be specific): Waiver already approved to work with staff.

Result -- An additional (15) Muhly Grass Shrubs were added to the plan sheet to the S. US HWY. 441 Buffer

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): _____

GENERAL NOTES:

- 1. It is the contractor's responsibility to become familiar with the permit and inspection requirements of the various governmental agencies the contractor shall obtain all necessary permits prior to construction, and schedule inspection according to agency instruction.
2. All work performed shall comply with the regulations and ordinances of the various governmental agencies having jurisdiction over the work, including landscaping.
3. At least 3 working days prior to construction the contractor shall notify the owner, engineer and appropriate agencies and supply them with all required shop drawings, the contractor's name, starting date, proposed schedule, and other information as required. It is necessary for the contractor to coordinate and schedule his activities, where necessary, with other contractor's and utility companies.
4. Work performed under this contract shall interface smoothly with other work being performed on site by other contractors and utility companies. It is necessary for the contractor to coordinate and schedule his activities, where necessary, with other contractor's and utility companies.
5. Materials and construction methods for streets and storm drainage construction shall be in accordance with the local regulatory agency.
6. Contractor shall review soil reports and borings prior to bidding the project and commencing construction.
7. The contractor shall use each plan in conjunction with the entire set of drawings and job specifications. Do not remove or diminish anything without verifying and coordination with all electrical, plumbing, mechanical, general trades, and utility companies as they affect the overall project.
8. Refer to architectural drawings for building dimensions.

GENERAL DEMOLITION NOTES & SPECIFICATIONS:

- 1. The contractor is responsible for all permits required to carry out the work as shown on the Demolition Plan.
2. The contractor is responsible to verify existing utilities prior to demolition and excavation.
3. The contractor is responsible to comply with all local, state and federal regulations in the removal/disposal of hazardous materials.
4. Contractor is responsible for all regulations, permits, fees required to remove and properly dispose of all demolition materials.
5. Demolition contractor is responsible for obtaining approvals and notifications at all local, state and federal authorities.
6. The contractor shall be responsible for the dissemination of the utility services to the existing structures prior to demolition of any buildings. The contractor shall coordinate with respective utility companies prior to the removal and/or relocation of utilities.
7. The contractor shall coordinate with the utility company concerning portions of work which may be performed by the utility company's forces and any fees which are to be paid to the utility company for their services. The contractor is not responsible for paying all fees and charges.
8. The contractor is responsible for the demolition and removal of all structures, pads, walls, fumes, foundations, parking, drives, drainage structures, utilities, etc., such that the improvements shown on the remaining plans can be constructed. All facilities to be removed shall be ordered to submit materials and brought to grade with suitable, compact fill material per the specifications. The contractor is responsible for all permits involved and is responsible for removing and dumping the debris in an approved, valid manner.
9. All existing utilities are to be removed, terminated and capped at the right-of-way. All existing meters, valves, etc. are to be removed unless otherwise noted on the plans.
10. All existing service lines for telephone, electric, sewer, and cable television services are to be removed to existing trunk lines unless otherwise noted on the plans.
11. Contractor is responsible for all costs involved in the removal or relocation of any utility. The contractor is responsible for coordination with applicable utility companies.
12. The contractor shall maintain all utility services to the existing adjacent businesses at all times. The contractor shall coordinate with the tenant and utility company for the relocation and/or removal of utilities in necessary. Services shall not be interrupted without approval from the tenant.
13. The site may be located by existing structures, storm lines, pavement, power poles and utilities. It is the contractor's responsibility to contact all utility companies that may have utilities on the site to get a determination if any utilities existing will be impacted. The contractor is responsible for determining if the utilities should be abandoned or reworked.
14. All areas where pavement, structure slabs, foundations, utilities, conduits, and/or utility structures have been removed shall be backfilled with select backfill material. All select backfill material shall be placed and compacted per the requirements of specifications and the owners geotechnical engineer.
15. All existing fences, signs, power poles, and light poles located on-site shall be demolished and removed unless otherwise noted.
16. Existing catch in place sump tanks (if found on-site) shall be pumped by a licensed contractor. The sump tank shall then be removed and the area backfilled per the project specifications unless otherwise noted. All work shall be in accordance with health department requirements.
17. Existing manhole tops, valve boxes, etc. to remain are to be adjusted as required to match proposed grades. If necessary, re-adjustments shall be performed upon completion of paving and fine grading to ensure a smooth transition.
18. Prior to any work on-site, the contractor shall contact the one call system. The contractor is responsible for all utility notices whether located by the one call system or not.
19. Contractor shall coordinate removal of existing electrical service on-site with the power company. Power company is responsible for the disconnection and removal of existing services unless otherwise noted.
20. Limits of pavement shown to be removed are approximate and for reference only. Contractor shall field verify the limits of pavement to determine the extent of the existing pavement to be removed.
21. If not shown on the demolition drawings, the contractor shall remove all existing materials as necessary to complete all new work as required by other portions of the contract documents.
22. Salvage rights for all demolished materials shall be first given to the owner. Any materials not retained by the owner shall be removed from the site and disposed of by the contractor at the contractor's expense.
23. Refer to survey for limits and boundary of property.

EROSION CONTROL NOTES:

- 1. The contractor shall construct the silt fencing as shown on the Erosion Control Plan at the perimeter of the disturbed areas prior to disturbing activities.
2. Land disturbing activities shall be kept to a minimum and will not extend beyond the limits shown.
3. Prior to construction, the erosion and sediment control measures shown on the Erosion Control Plan shall be in place. Clearing and grubbing operations shall be engaged only as necessary to allow placement of erosion and sediment control measures as shown until all such measures are in place.
4. Contractor shall install temporary construction entrance prior to any earthmoving operations.
5. Contractor shall maintain all fences for the duration of the project until accepted by the owner at no expense to owner.
6. Contractor shall maintain erosion control facilities during the entire construction period. Facilities are not to be removed until completion of the project and the site is stabilized.
7. Silt fences shall be cleaned or replaced when trapped sediment reaches 50 percent of the above ground fence height or a lower height based on manufacturer's specifications.
8. Sediment and erosion control measures will be inspected on a daily basis and repaired, adjusted and maintained as needed or required by governing agencies at no additional expense to the owner to provide erosion and sediment control for the duration of construction and until all disturbed areas are stabilized.
9. Contractor shall inspect on a daily basis for needed removal of any accumulated silt, debris, or repair of damaged silt fence at no additional expense to owner.
10. All erosion control measures except the required rip rap are temporary devices. These temporary devices shall be removed prior to completion of construction once stabilization of all graded areas is complete.
11. Additional details may be required as deemed necessary by governing authorities.
12. All graded areas shall be stabilized with a permanent fast growing cover and/or mulch upon completion of grading operations. Completion of grading operations does not mean at the end of the project. As soon as final grades are established in an improved area, the contractor shall stabilize with a temporary grass or permanent sod. If a temporary grass is applied, it will be the contractor's responsibility to apply a permanent seed or sod at the proper time of year.
13. Fill slopes should be planted as soon as the area of the site is brought to final grade. Surface runoff shall be intercepted at the top of temporary and permanent slopes through construction so that water is not allowed to flow over the slope face.
14. The general contractor and the grading contractor shall review three proposed grading sequence to insure that the least amount of land possible at any one time is disturbed with out permanent stabilization.
15. Contractor shall be responsible to ensure compliance with the N.P.D.E.S. Stormwater requirements. This includes, but is not limited to, inspection requirements.
16. Contractor is responsible for repairs of damage to any existing improvements during construction, such as, but not limited to, drainage, utilities, pavement, striping, curbs, etc., and all repairs shall be equal to or better than existing conditions.
17. All grading operations shall be staked by a registered civil engineer or licensed land surveyor approved by the owner.

SITE PLAN NOTES:

- 1. Boundary and topographic survey was prepared by Melissa Burmying and Mapping Inc., dated 08/22/2024.
2. Contractor shall refer to plans by architect for locations and dimensions of buildings, towers, slope paving, conduits, door locations, sidewalks, wet porches, ramps, precise building locations, and existing building utility entrance locations.
3. Contractor shall refer to plans by others for entry locations of all water, sewer, service, electrical, and telephone service. Contractor shall coordinate installation of utilities in such a manner so to avoid conflicts and assure proper depths are achieved as well as coordination with the regulatory agency as to the location and tie-in locations and/or connections to host facilities.
4. Contractor shall be responsible for all relocations, including but not limited to, all utilities, storm drainage, signs, traffic signals and poles, etc., as required for all site improvements. All work shall be in accordance with governing authorities specifications and shall be approved by such.
5. Existing utility lines shown are approximate locations only. The contractor shall field verify all existing utility line locations prior to any construction. Any deviations from the design locations shall be reported to the owner or engineer prior to construction.
6. See Cover Sheet for list of utility companies and contact persons.
7. All necessary permits and approvals from agencies governing the construction of this work shall be secured prior to beginning construction.
8. The contractor is responsible for the protection of all areas indicated to remain undisturbed or to remain as buffers, all property corners, and coordination of a registered land surveyor to replace or pins eliminated or damaged during construction.
9. Existing structures within construction limits are to be abandoned, removed, or relocated per plans. All cost shall be included in base bid.
10. Contractor is responsible for repairs of damage to any existing improvements during construction, such as but not limited to, drainage, utilities, pavement, striping, curbs, etc., and all repairs shall be equal to or better than existing conditions.
11. The contractor shall coordinate the installation of all underground utilities with his work. All underground utilities (water, sanitary sewer, storm sewer, electrical, irrigation systems, and any other miscellaneous utilities) shall be in place prior to the placement of base course material, and the placement of any apricot soil stabilization technique.
12. Contractor shall provide bollards for protection of all above ground utilities and appurtenances adjacent to drive areas.
13. Contractor shall match existing pavement at grade and alignment.
14. Construction shall comply with all governing codes and improvements shall be constructed to the same.
15. All work shall be done in accordance with the plans and specifications.
16. All work and material shall comply with all regulatory agency's regulations and codes and O.S.H.A. standards.

DIMENSION NOTES:

- 1. All dimensions shown in buildings are to base of structural CMU.
2. All curb dimensions are to the face of gutter of curb unless otherwise noted.

TANK NOTES:

TOP OF TANK ELEVATION: XXX.X'
CONTRACTOR SHALL MAINTAIN A MINIMUM GROUND COVER OF 7' OVER UNDERGROUND STORAGE TANKS.

GRADING PLAN NOTES:

- 1. Topographic information was taken from a topographic survey by Melissa Surveys and Mapping Inc., dated 08/22/2024. If contractor does not accept the existing topography as shown on the plans, without exception, he shall have made, at his expense, a topographic survey by a registered land surveyor and submit it to the owner for review.
2. Existing contours interval is shown at one foot (1').
3. The contractor is specifically cautioned that the location and/or elevation of existing utilities (above and below ground) as shown on these plans is based on record on either the various utility companies, visual observations at the site, existing surveys and/or where necessary, measurements taken in the field. Racetrac Petroleum does not guarantee that existing utility locations are correct and the information is not to be relied on as being exact or complete. It shall be the responsibility of the contractor to determine the exact locations of existing utilities (above and below ground) before beginning any construction. The contractor must call the appropriate utility company at least forty-eight hours (48 hrs) before any excavation to request exact field location of utilities. It shall be the responsibility of the contractor to relocate all existing utilities which conflict with the proposed improvements shown on the plans.
4. It shall be the responsibility of the contractor to notify owner and/or engineer of any utility conflicts with the proposed improvements shown on the plans.
5. All cut or fill slopes shall be 4:1 or flatter unless otherwise noted.
6. Contractor shall verify horizontal and vertical location of all existing storm sewer structures, pipes, and all utilities prior to construction.
7. Clearing and grubbing limits shall include all areas disturbed by grading operations. Contractor is responsible for the protection of all undisturbed areas, all property corners, and coordination of a registered land surveyor to replace or pins eliminated or damaged during construction.
8. Existing drainage structures to remain are to be inspected and repaired as needed, and existing pipes to be cleaned out to remove all silt and debris.
9. If any existing structures to remain are damaged during construction, it shall be the contractor's responsibility to repair and/or replace the existing structure as necessary to return to existing conditions or better.
10. Contractor is responsible for repairs of damage to any existing improvements during construction, such as, but not limited to, drainage, utilities, pavement, striping, curbs, etc., and all repairs shall be equal to or better than existing conditions.
11. All unsurfaced areas to be disturbed by grading operations shall receive four inches (4") of topsoil seed, mulch, water, etc. Contractor shall grass disturbed areas in accordance with the landscape plan and City/County specifications until healthy stand of grass is obtained.
12. Proposed cut elevations represent finished pavement or ground surface grade unless otherwise noted on drawings.
13. Contractor shall trim, back, and match existing pavement at locations where new pavement meets existing pavement.
14. All grading operations shall be staked by a registered civil engineer or licensed land surveyor approved by the owner.
15. Reference structural specifications and geotechnical report for building pad preparation and completion.
16. Contractor to review boring logs provided by Racetrac.
17. All storm pipe entering structures shall be grouted to assure connection at structure is watertight.
18. All storm sewer manholes in paved area shall be flush with pavement, and shall have traffic bearing ring and covers.
19. Existing manhole tops, valve boxes, etc. to remain are to be adjusted as required to match proposed grades. If necessary, re-adjustments shall be performed upon completion of paving and the fine grading to ensure a smooth transition.
20. The contractor shall adhere to all terms and conditions as outlined in the General N.P.D.E.S. Permit for storm sewer discharge associated with construction activities.
21. Contractor shall assure positive drainage away from building and for all natural and paved areas.
22. All retaining walls to be protected during backfill by contractor. This includes but is not limited to, providing and installing proper bracing during backfill being placed adjacent to retaining walls.

STORM DRAINAGE NOTES:

- 1. ALL PIPES ENTERING STORM SEWER STRUCTURES SHALL BE SEALED TO ASSURE CONNECTION AT STRUCTURE IS WATER TIGHT.
2. REFERENCE DETAIL SHEETS FOR STORM WATER DETAILS.
3. THE CONTRACTOR SHALL SUBMIT BIDDING CALCULATIONS ON ALL RUNS OF PIPE THAT DO NOT UTILIZE CONCRETE PIPE. BUOYANCY CALCULATIONS SHALL BE PREPARED, SIGNED, AND SEALED BY A REGISTERED ENGINEER. SHALL BEHOLD THE FIELD CONDITIONS AND SHALL DEMONSTRATE THAT THE PIPE UTILIZED WILL NOT BECOME BUOYANT UNDER ANY CONDITIONS. THE CONTRACTOR MAY REQUEST TO PROVIDE A RESTRAINTS SYSTEM, DESIGNED BY A REGISTERED ENGINEER, ADEQUATE TO RESIST BUOYANT FORCES WHERE NECESSARY.

STRUCTURE TYPES:

- 1. DRAINAGE STRUCTURES SHALL BE PRECAST OR CAST-IN-PLACE CONCRETE IN ACCORDANCE WITH DOTD REQUIREMENTS AS FOLLOWS:
A. AREA INLETS: CURB OR PC-1 (PIPE SIZE 30" AND SMALLER) ALL INLET FRAMES AND GRATES SHALL BE VULCAN FOUNDRY COPR, CATALPA 4 YARDS OR EQUAL.
B. TRENCH DRAINS SHALL BE ADJACUT, PROVIDED BY RACETRAC AND INSTALLED BY GENERAL CONTRACTOR.

SITE SPECIFIC NOTES:

- 1. CONTRACTOR TO INCLUDE FOR ALL SECONDARY CONDUITS CONDUIT ONLY DEPICATED ON UTILITY PAGE IN BASE BID. INCLUDE FOR LENGTH UP POLE APPROX. 30FT. WIRE IS ASSUMED TO BE BY UTILITY DEPARTMENT. SECONDARY WIRE WILL BE PROVIDED IN BASE AS AN ALTERNATE PRICE IF N.F. & HANDLED AS A CHANGE ORDER IF REQUIRED.
2. CONTRACTOR TO INCLUDE TWO (2) 1" CONDUIT TO BOTH SIDEN BENCHES.
A. ONE (1) 1" CONDUIT IS FOR ELECTRICAL.
B. ONE (1) 1" CONDUIT IS FOR COMMUNICATION.
CONTRACTOR IS RESPONSIBLE TO PROVIDE CAT 5 HOME-RUN BETWEEN PRICE BIN AND FINAL DESTINATION INSIDE THE BUILDING. FINAL DESTINATION TO BE DETERMINED BY RACETRAC CONSTRUCTION MANAGER DURING CONSTRUCTION.
3. CONTRACTOR TO SEE SHEET SD1 FOR AIRCRAFT SERVICE STATION ELECTRICAL REQUIREMENTS.
A. CONTRACTOR TO PROVIDE SMALL CONCRETE UTILITY VALTIONS FOR UTILITY JUNCTIONS, CONCRETE VALT TO BE FLUSH WITH CONCRETE OR LANDSCAPING.
B. AIRCRAFT SERVICE STATION ELECTRICAL CONDUITS TO BE 1".
C. INCLUDE A WEATHER PROOF JUNCTION BOX INSIDE OF THE CONCRETE VALT. LEAVE THREE (3) PULL STRINGS INSIDE CONDUIT FOR FUTURE USE.

PAVING & STRIPING NOTES:

- 1. Standard duty pavement areas shall be portland cement concrete. Details of the standard duty concrete pavement are provided on detail sheets.
2. Area over mesh, dumpster pad, and the approach in front of the dumpster to be eight inches (8") thick 4000 PSI w/ fiber mesh and number five (5#) rebar placed eighteen inches (18") on center width.
3. Notify owner 3 days prior to pour of initial section of driveway paving. Racetrac representative to approve initial pour.
4. Testing of materials required for the construction of the paving improvements shall be performed by an agency approved by the owner, for testing materials. It shall be the contractor's responsibility to ensure, by the standard testing procedures, that the work constructed meets the requirements of the project specifications.
5. All signs, pavement markings, and other traffic control devices shall conform to the "manual on uniform traffic control device" latest edition.
6. Traffic control shall be in accordance with the state dot standard specifications for roads and bridges. The contractor shall review all traffic control devices with dot prior to installation.
7. Contractor shall furnish and install all pavement markings for parking stalls, handicapped parking symbols, and miscellaneous striping within existing lot and around building.
8. See Irrigation Plan and MEP Plans prior to paving for location of proposed sleeving and conduits. Extra conduit shall be placed under driveway for future use.
9. All handicap ramping, striping, and pavement markings shall conform to the 2010 ADA Standards for Accessible Design.
10. Contractor to submit a pooling plan to the construction manager prior to the beginning of any paving work.
11. Contractor shall install slab construction joints at the end of a concrete pour. Slab contractions and slab construction joints are to be installed in accordance with the details specified on the Racetrac Standard Details, sheets SDS and SDA.
12. Paving contractor to coordinate with building contractor on the construction and paving near the screening walls and the dumpster pads.
13. All discrepancies found by contractor related to underground utilities or other appurtenances shall be resolved to the satisfaction of owner and engineer prior to placement of any paving. Contractor to ensure positive drainage from the proposed buildings and no ponding in subsurface areas to be paved, and notify owner and engineer if any discrepancies are found prior to installation of any paving.
14. Existing manhole tops, valve boxes, etc. to remain are to be adjusted as required to match proposed grades. If necessary, re-adjustments shall be performed upon completion of paving and fine grading to ensure a smooth transition.
15. All joints shall extend through the curb.
16. Compaction shall be done in accordance with the recommendations of the geotechnical report.
17. All pavement to be sloped to positive drainage.

UTILITY NOTES:

- 1. The contractor is specifically cautioned that the location and/or elevation of existing utilities (above and below ground) as shown on these plans is based on record on either the various utility companies, visual observations at the site, existing surveys and/or where possible, measurements taken in the field. Racetrac Petroleum does not guarantee that existing utility locations are correct and the information is not to be relied on as being exact or complete. It shall be the responsibility of the contractor to determine the exact locations of existing utilities (above and below ground) before beginning any construction. The contractor must call the appropriate utility company at least forty-eight hours (48 hrs) before any excavation to request exact field location of utilities. It shall be the responsibility of the contractor to relocate all existing utilities which conflict with the proposed improvements shown on the plans.
2. Contractor shall verify horizontal and vertical location of all existing storm sewer structures, pipes, and all utilities prior to construction. Existing and/or utilities shown are approximate as shown on the plans. Contractor shall field verify all existing utility line locations prior to any construction. Any deviations from the design locations shall be reported to the owner or engineer of record prior to construction.
3. Contractor to remove or relocate when applicable, all existing buildings, foundations, easements, and connecting improvements, drain pipes, sanitary sewer pipe, power poles and guy wires, water meters and water lines, wells, sidewalks, sign poles, underground gas, septic tanks, and gutters, shown and not shown, with construction limits and where needed, to allow for fill material, unless otherwise denoted, to be removed as unclassified excavation.
4. Contractor is responsible for repairs of damage to any existing improvements during construction, such as, but not limited to, utilities, pavement, striping, curbs, etc., and all repairs shall be equal to or better than existing conditions.
5. Contractor shall refer to architect's plans and specifications for actual location of all utility entrances to include sanitary sewer laterals, domestic and fire protection water service, electrical, and telephone. Contractor shall coordinate installation of utilities in such a manner so to avoid conflicts and assure proper depths are achieved as well as coordinating with city utility requirements as to locations and scheduling for tie-in connections prior to commencing existing facilities.
6. Contractor shall coordinate with architectural plans, power company, & telephone company for actual reading of power and telephone service to building.
7. See detail sheets for backfilling and compaction requirements on utility trenches.
8. Contractor shall comply to the fullest extent with the latest standard of utility directives or any other agency having jurisdiction for excavation and trenching procedures. The contractor shall use support systems, sloping, bracing, and other means of protection. This to include but not limited to, access and egress from all excavation and trenching. The contractor is responsible for complying with the requirements of the project specifications.
9. Contractor shall coordinate with other utilities to assure proper depth and prevent any conflicts of utilities.
10. The minimum horizontal separation between the closest two points of the water and sewer line is ten (10) feet, or minimum vertical separation between the closest two points of the water and sewer line is eighteen (18) inches.
11. Contractor shall grout around all pipe entrances to sanitary sewer manholes with non-shrink grout to assure connection is water tight.
12. Contractor shall on all utilities, coordinate inspection with the appropriate authorities prior to covering trenches at installation.
13. The contractor shall conduct all required tests for the satisfaction of the utility companies and owners inspecting authorities.
14. Site contractor to coordinate proposed reconnection of all utilities with Architectural Plans as well as utility companies and building contractor. The general contractor is responsible for any and all expenses that result from delayed or failed test during any phase of the construction process. This includes but is not limited to, reworking of any rebar/easements or equipment to accommodate.
15. All water and sanitary sewer crossings are to be perpendicular with a full slope of ductile iron pipe in the sewer lines at the crossing.
16. Contractor to coordinate with signage contractor and architect for exact location of signage, required electrical conduits, foundations, etc.
17. See cover sheet for list of utility companies and contact persons.
18. Contractor shall provide bollards for protection of all above ground utilities and appurtenances adjacent to drive areas.

CONTACT RACETRAC, INC. PROJECT MANAGER PRIOR TO ANY REVISIONS TO THE PLAN SUBMITTED BY RACETRAC PETROLEUM, INC.

ENGINEER'S CERTIFICATION table with columns for NO., RESPONSE TO COUNTY BOARD SUBMITAL, and DATE. Includes Racetrac Petroleum, Inc. logo and contact information for the engineer, MASTROSERIO ENGINEERING, INC.

Racetrac logo and contact information for Racetrac Petroleum, Inc., including address and phone number.

GENERAL REQUIREMENTS section listing project details: RACETRAC SUMMERFIELD, S US HWY 441 @ SE SUNSET HARBOR RD, Summerfield, FL 34989, Marion County.

DRAWING INFORMATION table with columns for DRAWN BY, DATE, SCALE, DRAWING NAME, SHEET NO., and VERSION.



Know what's below.
Call before you dig.

CONTACT RACETRAC, INC. PROJECT MANAGER PRIOR TO ANY REVISIONS TO THE PLAN SUPPLIED BY RACETRAC PETROLEUM, INC.

LEGEND

- PROJECT AREA AND LIMITS OF DISTURBANCE AREA OF DEMOLITION CLEARING & GRUBBING (UNLESS OTHERWISE NOTED)
- PAVEMENT AND/OR CURBING TO BE REMOVED

PROJECT AREA & LIMITS OF DISTURBANCE = 11.05 ACRES ±

GENERAL DEMOLITION SPECIFICATIONS:

- CONDITIONS EXISTING AT TIME OF INSPECTION FOR BIDDING PURPOSE WILL BE MAINTAINED BY OWNER AS FAR AS PRACTICAL.
- MAINTAIN EXISTING UTILITIES INDICATED TO REMAIN IN SERVICE AND PROTECT THEM AGAINST DAMAGE DURING DEMOLITION OPERATIONS.
- DRAIN, PURGE, OR OTHERWISE REMOVE, COLLECT, AND DISPOSE OF CHEMICALS, GASES, EXPLOSIVES, ACIDS, FLAMMABLES OR OTHER DANGEROUS MATERIALS BEFORE PROCEEDING WITH DEMOLITION OPERATIONS ACCORDING TO APPLICABLE CODES OR REGULATIONS.
- EMPLOY A CERTIFIED, LICENSED EXTERMINATOR TO TREAT BUILDING AND TO CONTROL RODENTS AND INSECTS BEFORE AND DURING DEMOLITION OPERATIONS.
- DO NOT CLOSE OR OBSTRUCT STREETS, WALKS, OR OTHER ADJACENT OCCUPIED OR USED FACILITIES WITHOUT PERMISSION FROM OWNERS AND AUTHORITIES HAVING JURISDICTION. PROVIDE ALTERNATE ROUTES AROUND CLOSED OR OBSTRUCTED TRAFFIC WAYS IF REQUIRED BY GOVERNING REGULATIONS. PROVIDE ALTERNATE ROUTES AND SIGNAGE FOR SIDEWALKS ON SURROUNDING ROADS, DURING THE DEMOLITION AND RECONSTRUCTION OF THE SIDEWALK.
- DO NOT CREATE HAZARDOUS OR OBSTRUCTIONAL CONDITIONS, SUCH AS ICE, FLOODING, AND POLLUTION WHEN USING WATER. REMOVE AND TRANSPORT DEBRIS IN A MANNER THAT WILL PREVENT SPILLAGE ON ADJACENT SURFACES AND AREAS.
- REMOVE DEBRIS FROM ELEVATED PORTIONS OF BUILDING BY CRANE, HOIST, OR OTHER DEVICE THAT WILL CONVEY DEBRIS TO GRADE LEVEL.
- PROPERLY DISPOSE OF DEMOLISHED MATERIALS. DO NOT ALLOW DEMOLISHED MATERIALS TO ACCUMULATE ON-SITE.
- DO NOT BURN DEMOLISHED MATERIALS.

GENERAL DEMOLITION NOTES:

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISCONNECTION OF UTILITY SERVICES TO THE EXISTING STRUCTURES PRIOR TO DEMOLITION OF THE BUILDINGS.
- THE CONTRACTOR SHALL COORDINATE WITH RESPECTIVE UTILITY COMPANIES PRIOR TO THE REMOVAL AND/OR RELOCATION OF UTILITIES.
- THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANY CONCERNING PORTIONS OF WORK WHICH MAY BE PERFORMED BY THE UTILITY COMPANIES FORCES AND ANY FEES WHICH ARE TO BE PAID TO THE UTILITY COMPANY FOR THEIR SERVICES.
- THE CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION AND REMOVAL OF ALL STRUCTURES, PADS, WALLS, FLUMES, FOUNDATIONS, PARKING DRIVES, DRAINAGE STRUCTURES, UTILITIES, ETC., SUCH THAT THE IMPROVEMENTS SHOWN ON THE REMAINING PLANS CAN BE CONSTRUCTED. ALL FACILITIES TO BE REMOVED SHALL BE UNDERCUT TO SUITABLE MATERIAL AND BROUGHT TO GRADE WITH SUITABLE, COMPACTED FILL MATERIAL PER THE SPECIFICATIONS. THE CONTRACTOR IS RESPONSIBLE FOR ALL PERMITS INVOLVED AND IS RESPONSIBLE FOR REMOVING AND DUMPING THE DEBRIS IN AN APPROVED, LAWFUL MANNER.
- ALL EXISTING UTILITIES ARE TO BE REMOVED, TERMINATED AND CAPPED AT THE RIGHT-OF-WAY. ALL EXISTING METERS, VALVES, ETC. ARE TO BE REMOVED UNLESS OTHERWISE NOTED ON THE PLANS.
- ALL EXISTING SERVICE LINES FOR TELEPHONE, ELECTRIC, SEWER, AND CABLE T.V. SERVICES ARE TO BE REMOVED TO EXISTING TRUNK LINES UNLESS OTHERWISE NOTED ON THE PLANS.
- ALL AREAS WHERE PAVEMENT, STRUCTURE SLABS, FOUNDATIONS, UTILITIES, CONDUITS, AND/OR UTILITY STRUCTURES HAVE BEEN REMOVED SHALL BE BACKFILLED WITH SELECT BACKFILL MATERIAL. ALL SELECT BACKFILL MATERIAL SHALL BE PLACED AND COMPACTED PER THE REQUIREMENTS OF SPECIFICATIONS AND THE OWNERS GEOTECHNICAL ENGINEER.
- ALL EXISTING SIGNS, POWER POLES, AND LIGHT POLES LOCATED ON SITE SHALL BE DEMOLISHED AND REMOVED UNLESS OTHERWISE NOTED.
- EXISTING CAST IN PLACE SEPTIC TANKS (IF FOUND ON-SITE) SHALL BE PUMPED BY A LICENSED CONTRACTOR. THE SEPTIC TANK SHALL THEN BE REMOVED AND THE AREA BACKFILLED PER THE PROJECT SPECIFICATIONS UNLESS OTHERWISE NOTED. ALL WORK SHALL BE IN ACCORDANCE WITH HEALTH DEPARTMENT REQUIREMENTS.
- CONTRACTOR IS RESPONSIBLE FOR WALKING SITE AND DETERMINING EXTENTS OF DEMOLITION WORK PRIOR TO BID DATE.
- PRIOR TO ANY WORK ON-SITE, THE CONTRACTOR SHALL CONTACT THE ONE CALL SYSTEM. THE CONTRACTOR IS RESPONSIBLE FOR ALL UTILITY REMOVALS WHETHER LOCATED BY THE ONE CALL SYSTEM OR NOT.
- DISCONNECTION AND REMOVAL OF EXISTING SERVICES UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL COORDINATE REMOVAL OF EXISTING ELECTRICAL SERVICES ON-SITE WITH THE POWER COMPANY. POWER COMPANY IS RESPONSIBLE FOR THE DISCONNECTION AND REMOVAL OF EXISTING ELECTRICAL SERVICES ON-SITE. CONTRACTOR SHALL FIELD VERIFY THE LIMITS OF PAVEMENT TO DETERMINE THE EXTENT OF THE EXISTING PAVEMENT TO BE REMOVED.
- IF NOT SHOWN ON THE DEMOLITION DRAWINGS, THE CONTRACTOR SHALL REMOVE ALL EXISTING MATERIALS AS NECESSARY TO COMPLETE ALL NEW WORK AS REQUIRED BY OTHER PORTIONS OF THE CONTRACT.
- SAVAGE RIGHTS FOR ALL DEMOLISHED MATERIALS SHALL BE FIRST GIVEN TO THE OWNER. ANY MATERIALS NOT RETAINED BY THE OWNER SHALL BE REMOVED FROM THE SITE AND DISPOSED OF BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR IS RESPONSIBLE TO COMPLY WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS IN THE REMOVAL/DEMOLITION OF HAZARDOUS MATERIALS.
- THE CONTRACTOR IS RESPONSIBLE FOR THE DISCONNECTION OF EXISTING UTILITIES PRIOR TO DEMOLITION & OBTAINMENT OF NECESSARY PERMITS.
- CONTRACTOR IS RESPONSIBLE FOR ALL REGISTRATIONS, PERMITS AND FEES REQUIRED TO REMOVE & PROPERLY DISPOSE OF ALL DEMOLITION MATERIALS.
- SEMI CONTRACTOR IS RESPONSIBLE FOR PERMITS AND NOTIFICATIONS TO ALL LOCAL, STATE AND FEDERAL AUTHORITIES.
- REFER TO SURVEY FOR LIMITS AND BOUNDARY OF PROPERTY.

NO.	REVISION	DATE
1	RESPONSE TO COUNTY RAIL SUBMITTAL 2	08-20-24
2	RESPONSE TO COUNTY RAIL SUBMITTAL 2	08-20-24
3	RESPONSE TO COUNTY RAIL SUBMITTAL 2	11-20-24

ENGINEER'S CERTIFICATION:

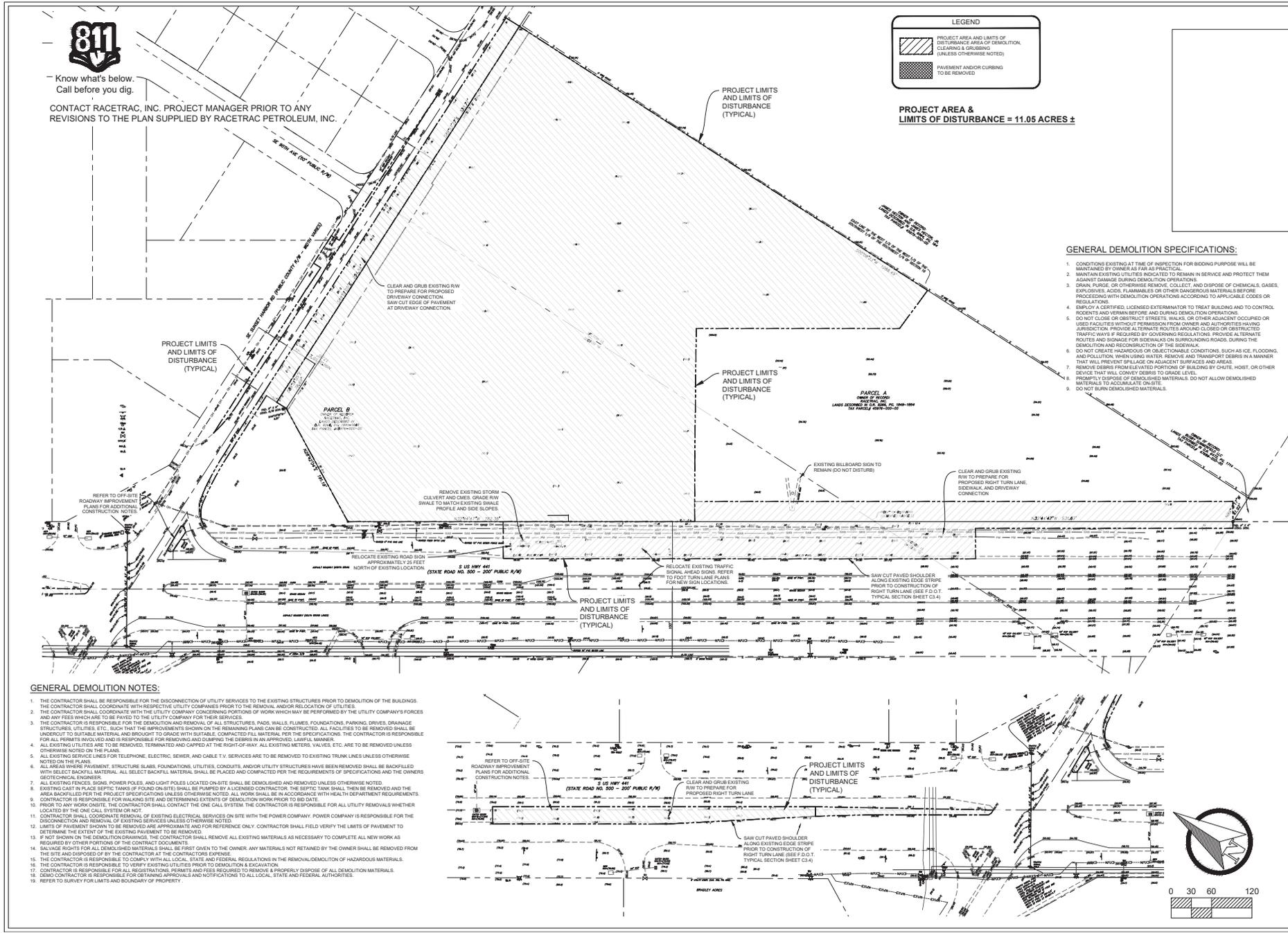
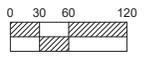
MASTROSERIO ENGINEERING, INC.
CIVIL / ENVIRONMENTAL - SITE DESIGN
170 SE 32ND PLACE
P.O. BOX 2185
PH: (352) 432-2185
FAX: (352) 432-2185
PACLO@MASTROSERIOENGINEERING.COM
OCALA, FL 34111

MASTROSERIO ENGINEERING, INC.
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OCALA, FL 34111

DEMOLITION
RACETRAC SUMMERFIELD
5 US HWY 441 @ SE SUNSET HARBOR RD
Summerfield, FL
Marion County

DRAWN BY: JCS2024
DATE: WPODE
SCALE: 1" = 60'
DRAWING NAME: 80-11-02-24.dwg
SHEET NO. C1
VERSION



SITE DESIGN NOTES:

- 3 SPACES PER BAY AND WORK AREA
- 24 MIN DRIVE AISLE WIDTH
- MIN STALL DIMENSIONS 9' X 18'
- 11 HC SPACE PER 25 SPACES
- 10 SPACES MAX WITHOUT A TREE ISLAND
- 200 MIN OPEN SPACE REQUIREMENT
- 200 MIN SF OF PARKING SPACE ISLANDS
- 20' REQUIRED FIRE LANE WIDTH

SITE DESIGN STANDARDS

BUILDING SETBACK	REQUIRED	PROVIDED
FRONT (SOUTH)	40'	40'
SIDE STREET (WEST)	15'	15'
SIDE INTERIOR (EAST)	15'	15'
REAR (NORTH)	25'	25'
ISLAND SETBACK	REQUIRED	PROVIDED
FRONT (SOUTH)	5'	5'
SIDE STREET (WEST)	5'	5'

(D) = SUBJECT TO DEVIATION REQUEST.

LANDSCAPE BUFFER REQUIREMENTS

PROPERTY LINE	REQUIRED	PROVIDED
FRONT (SOUTH)	15'	15'
SIDE STREET (WEST)	15'	15'
SIDE INTERIOR (EAST)	15'	15'
REAR (NORTH)	15'	15'

(D) = SUBJECT TO DEVIATION REQUEST.

LAND USE SUMMARY (ON SITE)

CATEGORY	47,462	FT2
CONCRETE	76,911	FT2
GRASS	3,957	LINEAR FT

SITE DATA:
 PROJECT NAME: RACETRAC SUMMERFIELD - MAJOR SITE PLAN
 PROJECT LOCATION: Ocala, FL, SEC 15 & 16, TWP 17, RGE 23
 OWNER: RACETRAC, INC.
 ADDRESS: 5108 HWY 441 @ SE SUNSET HARBOR RD
 SITE AREA: 509,045 S.F. = 13.06 ACRES +/- (BEFORE R/W DEDICATION)
 CURRENT ZONING: S-4
 CURRENT LAND USE: COMMERCIAL
 BUILDING SETBACKS: 40' FRONT, 25' REAR, 10' SIDE (45' W/AS PUMPS)
 BUILDING USE: RETAIL STORE W/GAS PUMPS
 BUILDING HEIGHT: 0' MAXIMUM
 BUILDING F.A.R.: 0.0106 (1.0 MAXIMUM)

PROPOSED DEVELOPMENT:
 THE OVERALL SITE AREA IS 13.06 ACRES WITH A PROPOSED PROJECT AREA OF APPROXIMATELY 7.85 ACRES. ON-SITE, ADDITIONAL PROJECT AREA WILL INCLUDE THE OFF-SITE TURN LANE AND ROAD WIDENING IMPROVEMENTS.

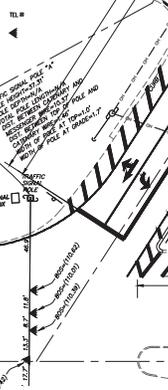
PARKING CALCULATIONS:
 PROPOSED RETAIL STORE:
 RETAIL STORE = 4,008 S.F. (1,000 / 20.02)
 (1 SPACE PER 2 SEATS)
 16 SEATS / 2 = 8

DATA BLOCK OF SITE COVERAGE:
 (ON-SITE COVERAGE ONLY)
 TOTAL SITE AREA = 566,045 SF OR 13.06 AC.
 EXISTING COVERAGE:
 SITE IS CURRENTLY VACANT.

PROPOSED COVERAGE:
 PROPOSED CONCRETE: 4,008 S.F. (1.00%)
 127,368 S.F. (22.33%)
 PROPOSED OPEN SPACE: 133,376 S.F. (23.41%)
 435,669 S.F. (76.59%)

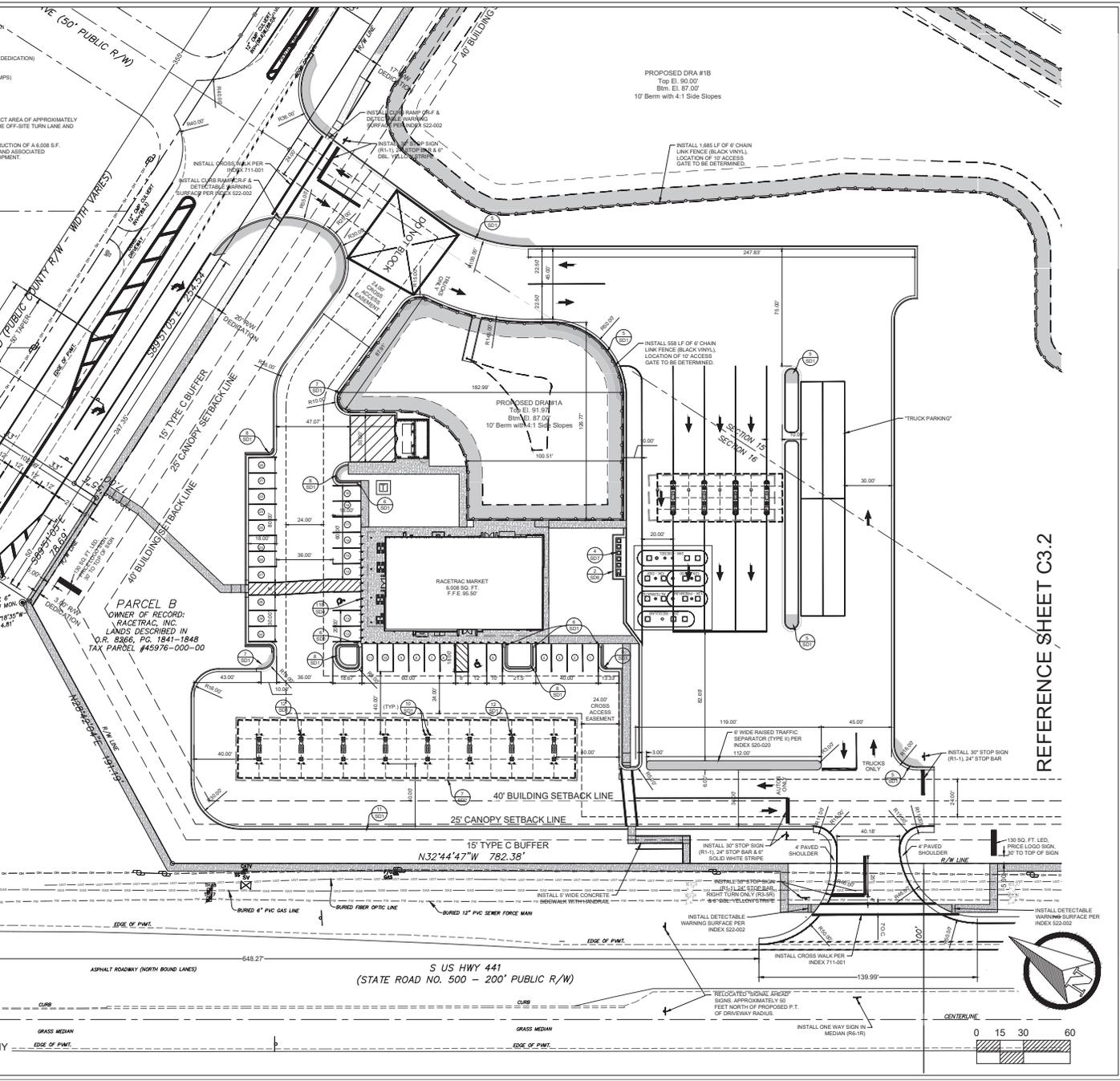


- 1" = 30' (VERTICAL)
- 1" = 100' (HORIZONTAL)
- 1" = 10' (PLAN)
- 1" = 10' (SECTION)
- 1" = 10' (ELEVATION)
- 1" = 10' (PROFILES)
- 1" = 10' (DETAILS)
- 1" = 10' (ENLARGED)
- 1" = 10' (SMALLER)
- 1" = 10' (OTHER)



CONTACT RACETRAC PETROLEUM, INC. PROJECT MANAGER PRIOR TO ANY REVISIONS TO THE PLAN SUPPLIED BY RACETRAC PETROLEUM, INC.

CONTACT RACETRAC PETROLEUM, INC. PROJECT MANAGER PRIOR TO ANY REVISIONS TO THE PLAN SUPPLIED BY RACETRAC PETROLEUM, INC.



ENGINEER'S CERTIFICATION:

NO.	REVISION	DATE
1	RESPONSE TO COUNTY R/W SUBMITTAL 1	11-20-24
2	RESPONSE TO COUNTY R/W SUBMITTAL 2	08-20-24
3	RESPONSE TO COUNTY R/W SUBMITTAL 3	08-20-24
4	RESPONSE TO COUNTY R/W SUBMITTAL 4	08-20-24
5	RESPONSE TO COUNTY R/W SUBMITTAL 5	08-20-24
6	RESPONSE TO COUNTY R/W SUBMITTAL 6	08-20-24
7	RESPONSE TO COUNTY R/W SUBMITTAL 7	08-20-24
8	RESPONSE TO COUNTY R/W SUBMITTAL 8	08-20-24
9	RESPONSE TO COUNTY R/W SUBMITTAL 9	08-20-24
10	RESPONSE TO COUNTY R/W SUBMITTAL 10	08-20-24
11	RESPONSE TO COUNTY R/W SUBMITTAL 11	08-20-24
12	RESPONSE TO COUNTY R/W SUBMITTAL 12	08-20-24
13	RESPONSE TO COUNTY R/W SUBMITTAL 13	08-20-24
14	RESPONSE TO COUNTY R/W SUBMITTAL 14	08-20-24
15	RESPONSE TO COUNTY R/W SUBMITTAL 15	08-20-24
16	RESPONSE TO COUNTY R/W SUBMITTAL 16	08-20-24
17	RESPONSE TO COUNTY R/W SUBMITTAL 17	08-20-24
18	RESPONSE TO COUNTY R/W SUBMITTAL 18	08-20-24
19	RESPONSE TO COUNTY R/W SUBMITTAL 19	08-20-24
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21	RESPONSE TO COUNTY R/W SUBMITTAL 21	08-20-24
22	RESPONSE TO COUNTY R/W SUBMITTAL 22	08-20-24
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32	RESPONSE TO COUNTY R/W SUBMITTAL 32	08-20-24
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41	RESPONSE TO COUNTY R/W SUBMITTAL 41	08-20-24
42	RESPONSE TO COUNTY R/W SUBMITTAL 42	08-20-24
43	RESPONSE TO COUNTY R/W SUBMITTAL 43	08-20-24
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58	RESPONSE TO COUNTY R/W SUBMITTAL 58	08-20-24
59	RESPONSE TO COUNTY R/W SUBMITTAL 59	08-20-24
60	RESPONSE TO COUNTY R/W SUBMITTAL 60	08-20-24

ENGINEER'S CERTIFICATION:

FOR THE STATE OF FLORIDA, I HEREBY CERTIFY THAT I AM A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF FLORIDA, LICENSE NO. 12253024, AND I HAVE PREPARED THIS PLAN IN ACCORDANCE WITH THE REQUIREMENTS OF THE FLORIDA STATUTES AND THE RULES OF THE BOARD OF PROFESSIONAL ENGINEERS AND SURVEYORS.

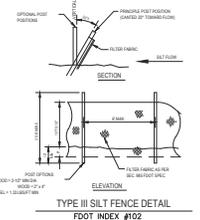
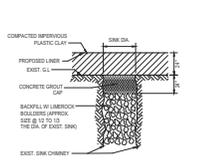
ENGINEER'S CERTIFICATION:

MASTROSERIO ENGINEERING, INC.
 CIVIL / ENVIRONMENTAL - SITE DESIGN
 170 SE 12ND PLACE
 SUITE 100
 PH: (352) 432-2185
 FACLO@MASTROSERIOENGINEERING.COM
 Ocala, FL 34471

THESE ARE THE ORIGINALS OF THE PLAN. ANY COPIES OF THIS PLAN ARE SUBJECT TO FEDERAL COPYRIGHT LAWS. ANY REPRODUCTION OF THIS PLAN WITHOUT THE WRITTEN PERMISSION OF MASTROSERIO ENGINEERING, INC. IS PROHIBITED.

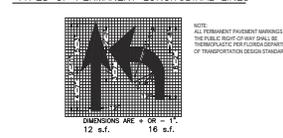
Site Plan
 RACETRAC SUMMERFIELD
 Summerfield, FL
 S US HWY 441 @ SE SUNSET HARBOR RD
 Marion County

Drawn by: WPKS
Date: 12/23/2024
Scale: 1" = 30'
Drawing Name: SP 11-24-24.dwg
Sheet No.: C3.1
Version:

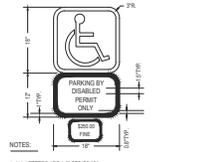
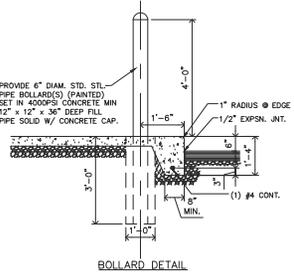
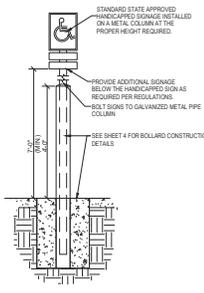


BASIC COLOR RULE
 WHITE LINES SEPARATE FLOW IN THE SAME DIRECTION
 YELLOW LINES SEPARATE FLOW IN THE OPPOSITE DIRECTION
 YELLOW DOTTED LINES MAY BE USED IN SPECIAL CASES
 Yellow Edge Line

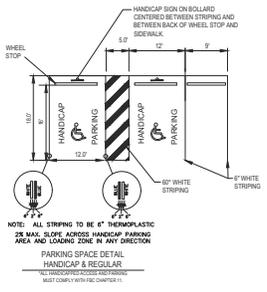
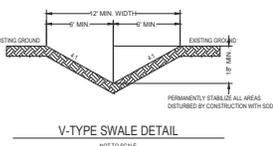
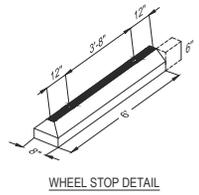
Double Solid Yellow (Or White) Solid White Edge Or Lane Line



PAVEMENT ARROW AND MESSAGE DETAILS



NOTES:
 1. ALL LETTERS ARE 1" SERIES "C".
 2. TOP SIGN SHALL HAVE A REFLECTORIZED BLUE BACKGROUND WITH REFLECTORIZED LEGS & BORDER.
 3. BOTTOM SIGN SHALL HAVE A REFLECTORIZED BLUE BACKGROUND WITH BLACK GRAY LEGS & BORDER.

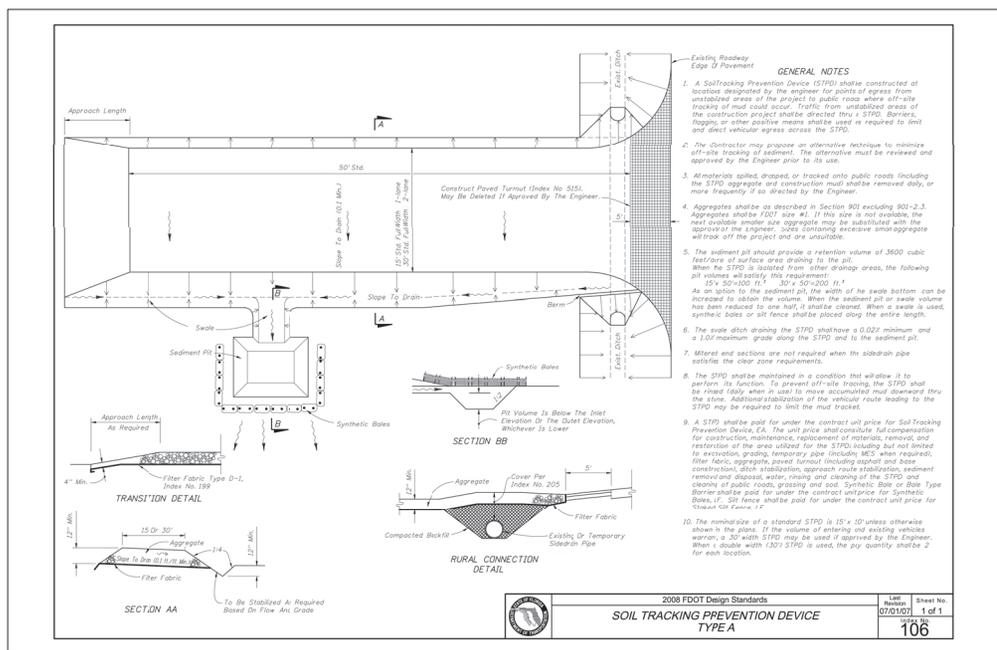
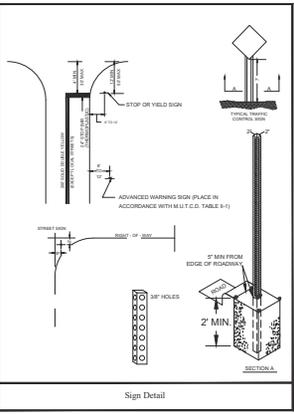
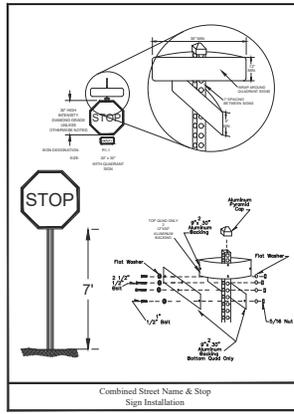


NOTE: ALL STRIPING TO BE 4" THERMOPLASTIC
 2% MAX. SLOPE ACROSS HANDICAP PARKING AREA AND LANDING ZONE IN ANY DIRECTION

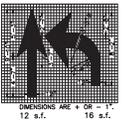
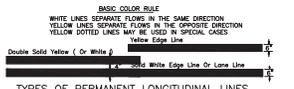
PARKING SPACE DETAIL
HANDICAP & REGULAR

NOTE: MINIMUM DRIVEWAY WIDTH SHALL BE 10' PER LOCAL CODES
 MUST COMPLY WITH FAC COMPLIES #11

CONTACT RACETRAC PETROLEUM, INC. PROJECT MANAGER PRIOR TO ANY REVISIONS TO THE PLAN SUPPLIED BY RACETRAC PETROLEUM, INC.

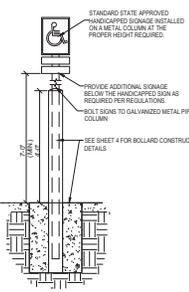


ENGINEER'S CERTIFICATION:		NO	DATE
MASTROSERIO ENGINEERING, INC. CIVIL / ENVIRONMENTAL - SITE DESIGN 770 SE 32ND PLACE P.O. BOX 1000 PH: (352) 432-2185 FACLO@MASTROSERIOENGINEERING.COM		1	04-26-24
RACETRAC PETROLEUM, INC. SUNSHINE FIELD 5 US HWY 441 @ SE SUNSET HARBOR RD Sumnerfield, FL Marion County		1	04-26-24
DRAWN BY: WPCDC		1	04-26-24
DATE: 4/28/2024		1	04-26-24
SCALE:		1	04-26-24
DRAWING NAME: ST-06		1	04-26-24
C3.4		1	04-26-24
SHEET NO.		1	04-26-24
VERSION		1	04-26-24



RIGHT TURN ARROW TO BE REVERSE:
 NOTE: WHEN ARROW AND PAVEMENT MESSAGE ARE USED TOGETHER, THE ARROW SHALL BE LOCATED DOWN STREAM OF THE PAVEMENT MESSAGE AND SHALL BE SEPARATED FROM THE PAVEMENT MESSAGE BY A DISTANCE OF 25' (BASE OF THE ARROW TO THE BASE OF THE MESSAGE).

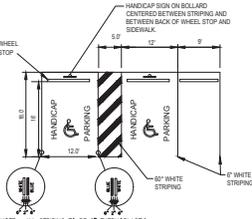
PAVEMENT ARROW AND MESSAGE DETAILS



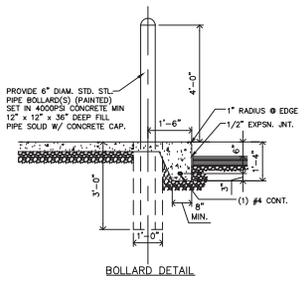
HANDICAP SIGN POST DETAIL



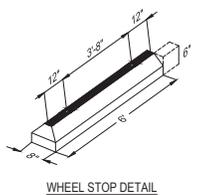
HANDICAP SIGN DETAIL



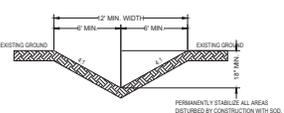
HANDICAP CURB DETAIL



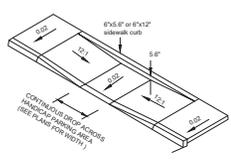
BOLLARD DETAIL



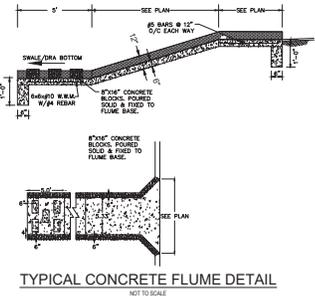
WHEEL STOP DETAIL



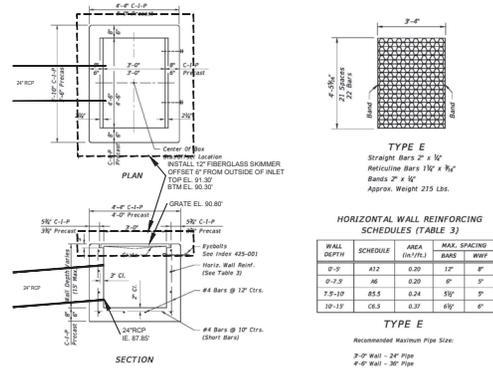
V-TYPE SWALE DETAIL



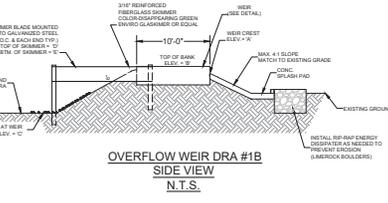
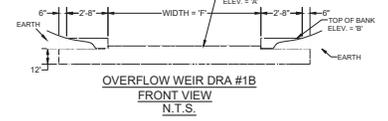
HANDICAP CURB DETAIL



TYPICAL CONCRETE FLUME DETAIL

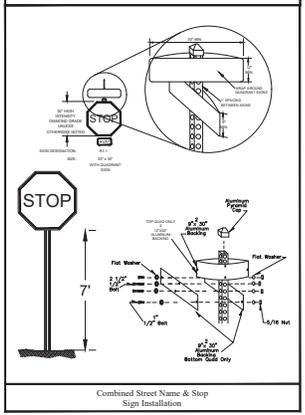
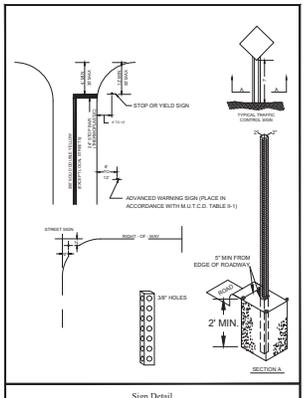


DRA #1A OVERFLOW STRUCTURE DETAIL

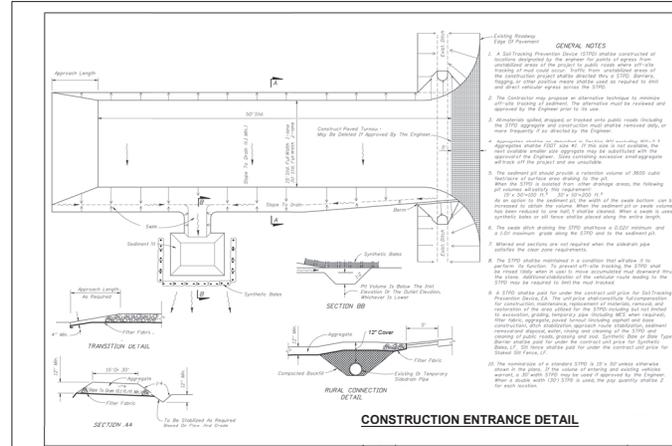


OVERFLOW WEIR SCHEDULE

DRA #	W	H	C	S	Q
1B	6.00	60.00	67.00	68.70	20'



STOP SIGN INSTALLATION



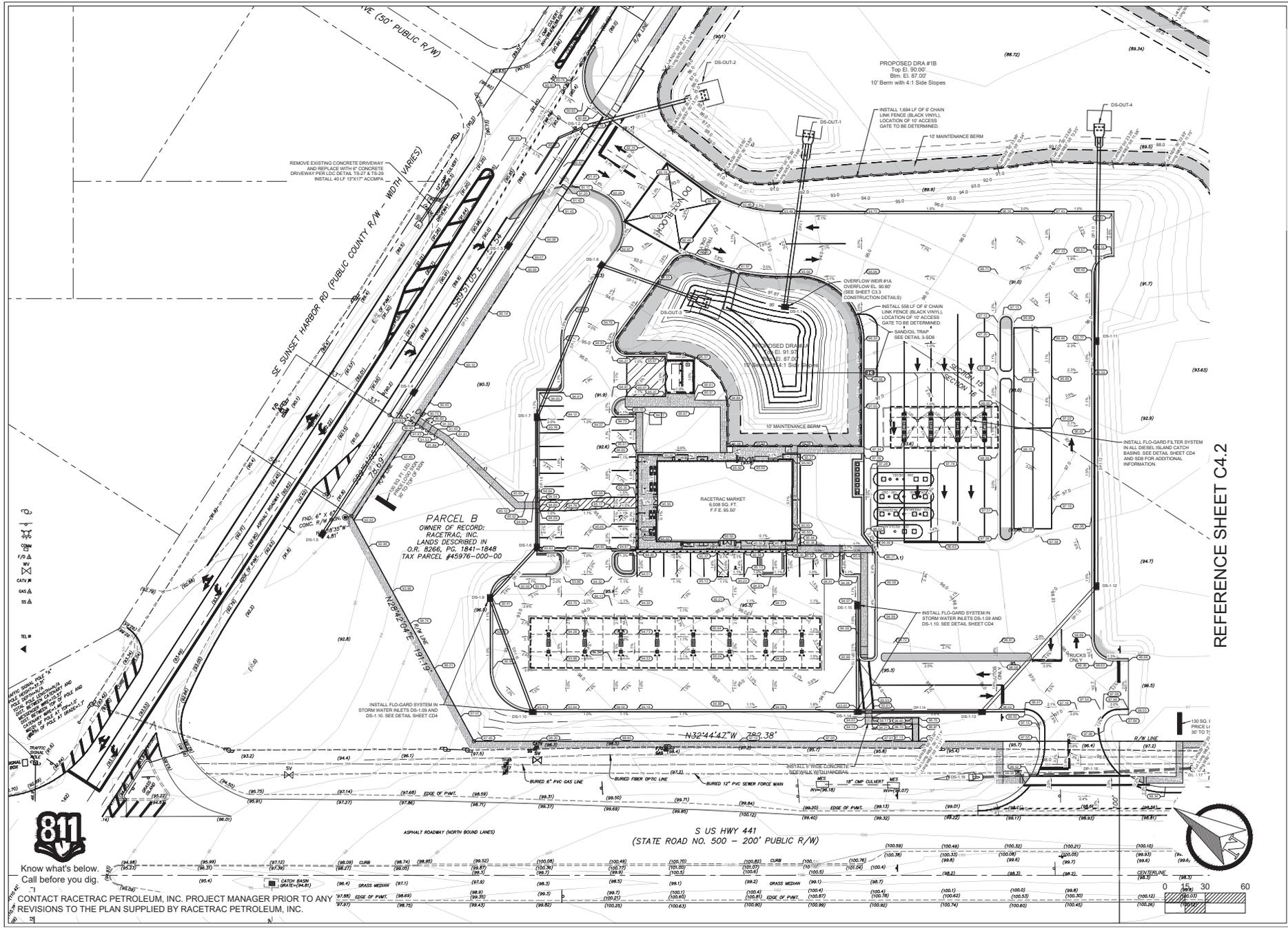
CONSTRUCTION ENTRANCE DETAIL

NO.	REVISION	DATE
1	RESPONSE TO COUNTY RAIL SUBMITTAL 2	08-20-24
2	RESPONSE TO COUNTY RAIL SUBMITTAL 2	08-20-24
3	RESPONSE TO COUNTY RAIL SUBMITTAL 2	08-20-24
4	RESPONSE TO COUNTY RAIL SUBMITTAL 2	08-20-24
5	RESPONSE TO COUNTY RAIL SUBMITTAL 2	08-20-24

ENGINEER'S CERTIFICATION

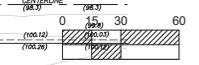
MASTROSERIO ENGINEERING, INC.
 CIVIL / ENVIRONMENTAL - SITE DESIGN
 170 SE 22ND PLACE
 SUITE 200
 PALM BEACH, FL 33480
 PH: (561) 832-2185
 FAX: (561) 832-2185
 EMAIL: INFO@MASTROSERIO.COM
 WWW.MASTROSERIO.COM

DATE: 11-20-24
 DRAWN BY: WFOC
 DATE: 12/23/24
 DRAWING NAME: SP-11-24-04g
 C3.4
 SHEET NO. 1
 VERSION



Know what's below.
Call before you dig.

CONTACT RACETRAC PETROLEUM, INC. PROJECT MANAGER PRIOR TO ANY REVISIONS TO THE PLAN SUPPLIED BY RACETRAC PETROLEUM, INC.



ENGINEER'S CERTIFICATION:	
NO.	REVISION
3	RESPONSE TO COUNTY R/A SUBMITTAL 3/F0012
3	RESPONSE TO COUNTY R/A SUBMITTAL 2
3	RESPONSE TO COUNTY R/A SUBMITTAL 2
1	RESPONSE TO COUNTY R/A SUBMITTAL 2
1	RESPONSE TO COUNTY R/A SUBMITTAL 2
1	RESPONSE TO COUNTY R/A SUBMITTAL 2

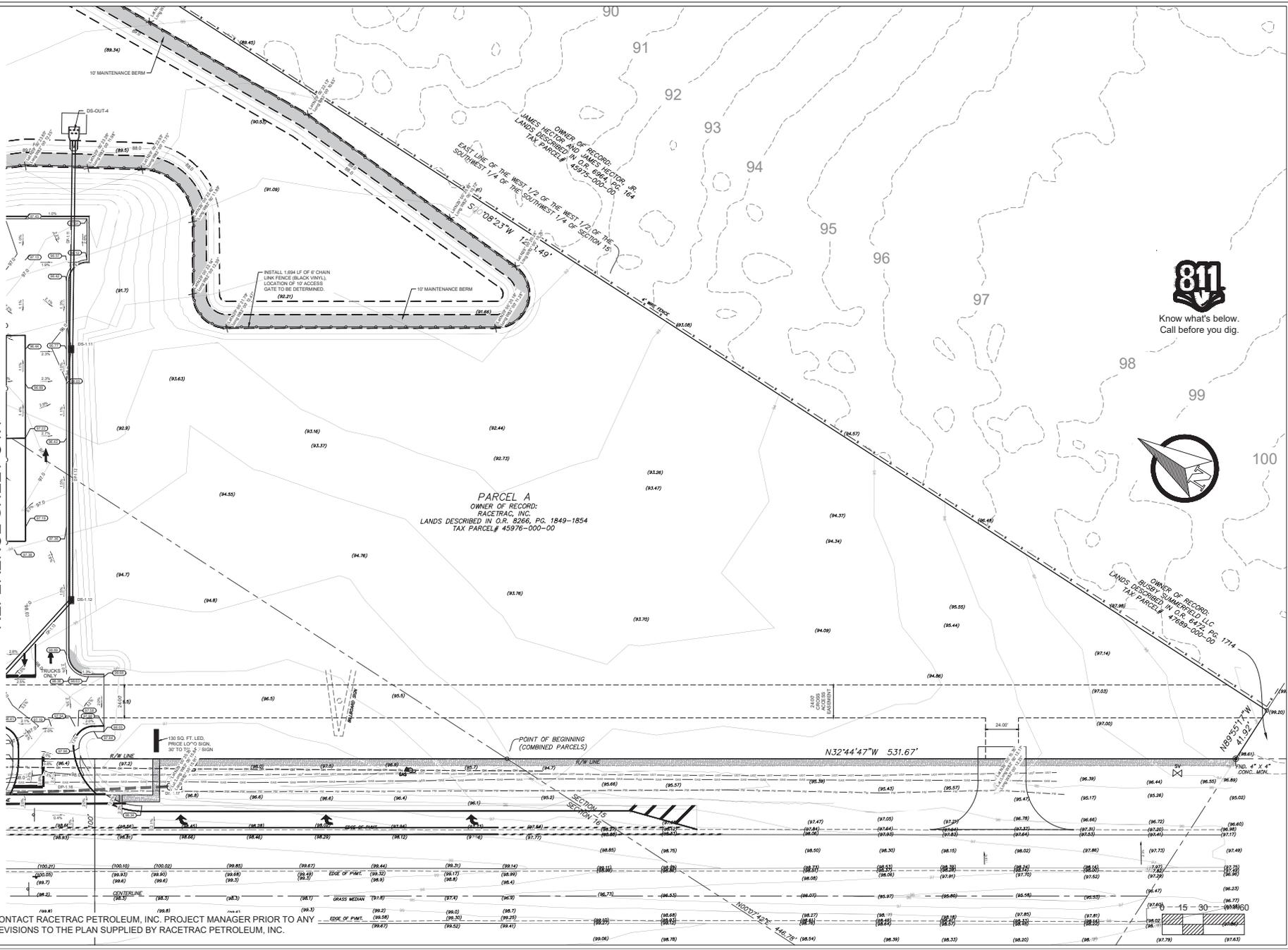
ENGINEER'S CERTIFICATION:	
DATE	12/20/24
PROJECT NO.	24-0001
PROJECT NAME	RACETRAC PETROLEUM, INC. C/A #8199
PROJECT ADDRESS	170 SE 32ND PLACE
PROJECT CITY	SUMMERFIELD, FL 34486
PROJECT PHONE	PH: (352) 432-2185
PROJECT FAX	FAX: (352) 432-2185
PROJECT EMAIL	EMAIL: INFO@MASTROENGINEERING.COM
PROJECT WEBSITE	WEBSITE: WWW.MASTROENGINEERING.COM
PROJECT STATE	FLORIDA
PROJECT COUNTY	MARION COUNTY, FLORIDA

GRADING PLAN	
PROJECT NAME	RACETRAC SUMMERFIELD
PROJECT ADDRESS	170 SE 32ND PLACE
PROJECT CITY	SUMMERFIELD, FL
PROJECT COUNTY	MARION COUNTY
PROJECT STATE	FLORIDA
PROJECT ZIP	34486
PROJECT PHONE	(352) 432-2185
PROJECT FAX	(352) 432-2185
PROJECT EMAIL	INFO@MASTROENGINEERING.COM
PROJECT WEBSITE	WWW.MASTROENGINEERING.COM
PROJECT STATE	FLORIDA
PROJECT COUNTY	MARION COUNTY, FLORIDA

DRAWING NAME:	
DATE	12/20/24
PROJECT NO.	24-0001
PROJECT NAME	RACETRAC PETROLEUM, INC. C/A #8199
PROJECT ADDRESS	170 SE 32ND PLACE
PROJECT CITY	SUMMERFIELD, FL 34486
PROJECT PHONE	PH: (352) 432-2185
PROJECT FAX	FAX: (352) 432-2185
PROJECT EMAIL	EMAIL: INFO@MASTROENGINEERING.COM
PROJECT WEBSITE	WEBSITE: WWW.MASTROENGINEERING.COM
PROJECT STATE	FLORIDA
PROJECT COUNTY	MARION COUNTY, FLORIDA

C4.1	
SHEET NO.	VERSION

REFERENCE SHEET C4.1



PARCEL A
 OWNER OF RECORD:
 RACETRAC, INC.
 LANDS DESCRIBED IN O.R. 5266, PG. 1849-1854
 TAX PARCEL# 45976-000-00

OWNER OF RECORD: RACETRAC, INC.
 LANDS DESCRIBED IN O.R. 4964, PG. 164
 TAX PARCEL# 45976-000-00

OWNER OF RECORD: L.L.C. PG. 1714
 LANDS DESCRIBED IN O.R. 4942 PG. 164
 TAX PARCEL# 47689-000-00



Know what's below.
 Call before you dig.



CONTACT RACETRAC PETROLEUM, INC. PROJECT MANAGER PRIOR TO ANY REVISIONS TO THE PLAN SUPPLIED BY RACETRAC PETROLEUM, INC.

ENGINEER'S CERTIFICATION:	
NO	REVISION
1	RESPONSE TO COUNTY RMA SUBMITTAL 2
2	RESPONSE TO COUNTY RMA SUBMITTAL 2
3	RESPONSE TO COUNTY RMA SUBMITTAL 2
4	RESPONSE TO COUNTY RMA SUBMITTAL 2
5	RESPONSE TO COUNTY RMA SUBMITTAL 2

DATE	DESCRIPTION
11-20-24	RESPONSE TO COUNTY RMA SUBMITTAL 2
08-20-24	RESPONSE TO COUNTY RMA SUBMITTAL 2
04-26-24	RESPONSE TO COUNTY RMA SUBMITTAL 2

NO	REVISION
1	RESPONSE TO COUNTY RMA SUBMITTAL 2
2	RESPONSE TO COUNTY RMA SUBMITTAL 2
3	RESPONSE TO COUNTY RMA SUBMITTAL 2
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5	RESPONSE TO COUNTY RMA SUBMITTAL 2

DATE	DESCRIPTION
11-20-24	RESPONSE TO COUNTY RMA SUBMITTAL 2
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04-26-24	RESPONSE TO COUNTY RMA SUBMITTAL 2

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1	RESPONSE TO COUNTY RMA SUBMITTAL 2
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DATE	DESCRIPTION
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08-20-24	RESPONSE TO COUNTY RMA SUBMITTAL 2
04-26-24	RESPONSE TO COUNTY RMA SUBMITTAL 2

NO	REVISION
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04-26-24	RESPONSE TO COUNTY RMA SUBMITTAL 2

NO	REVISION
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04-26-24	RESPONSE TO COUNTY RMA SUBMITTAL 2

NO	REVISION
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NO	REVISION
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DATE	DESCRIPTION
11-20-24	RESPONSE TO COUNTY RMA SUBMITTAL 2
08-20-24	RESPONSE TO COUNTY RMA SUBMITTAL 2
04-26-24	RESPONSE TO COUNTY RMA SUBMITTAL 2

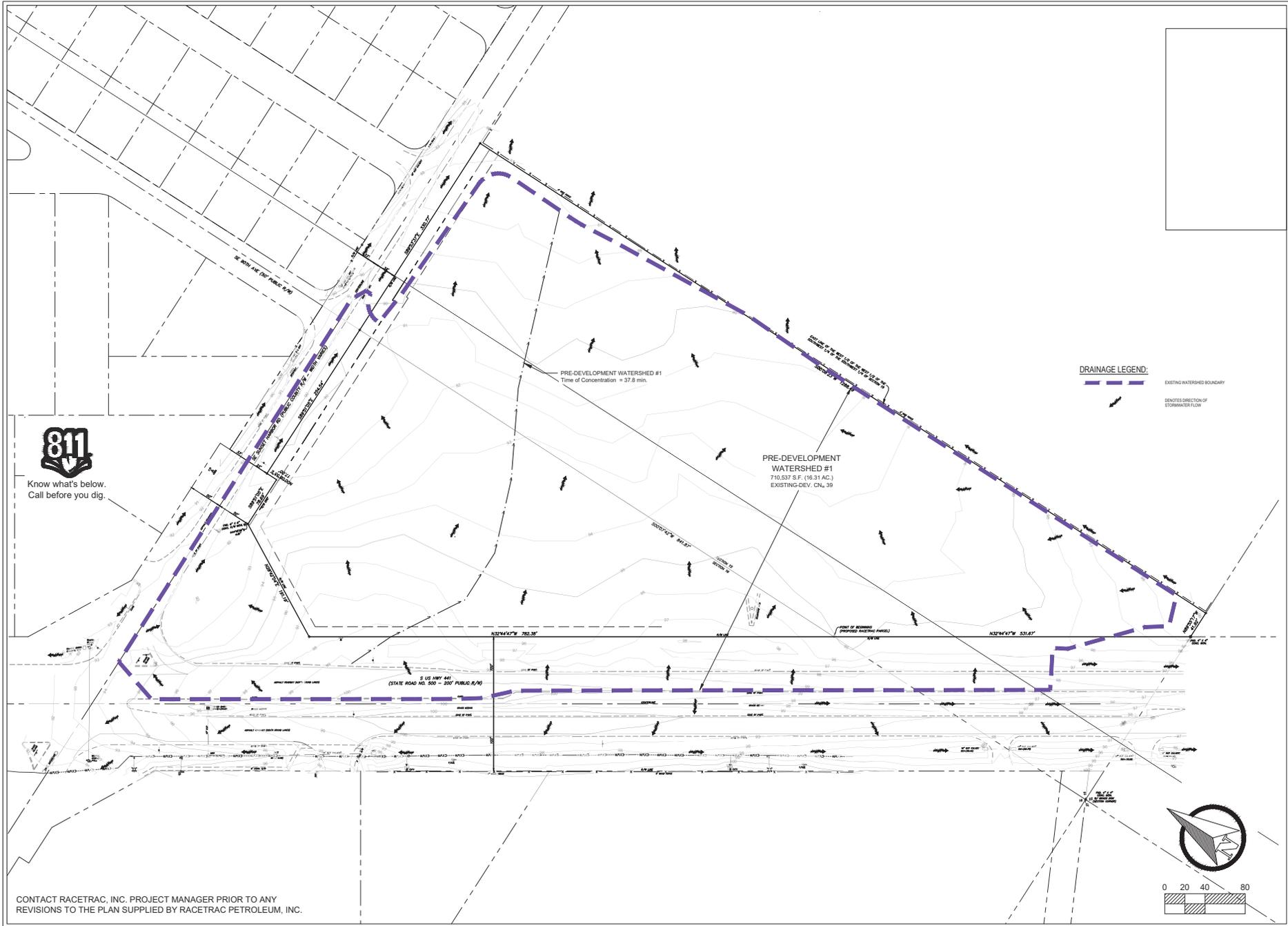
NO	REVISION
1	RESPONSE TO COUNTY RMA SUBMITTAL 2
2	RESPONSE TO COUNTY RMA SUBMITTAL 2
3	RESPONSE TO COUNTY RMA SUBMITTAL 2
4	RESPONSE TO COUNTY RMA SUBMITTAL 2
5	RESPONSE TO COUNTY RMA SUBMITTAL 2



RACETRAC PETROLEUM, INC.
 8009 SUMMERFIELD
 SUMMERFIELD, FL 34939
 (772) 631-7600

GRADING PLAN
 RACETRAC SUMMERFIELD
 US HWY 41 @ SE SUNSET HARBOR RD
 Summerfield, FL
 Marion County

DRAWN BY: 11/20/2024
 DATE: WFO/DE
 SCALE: 1" = 30'
 DRAWING NAME: 8011-14-24-000
 SHEET NO. C4.2
 VERSION



Know what's below.
Call before you dig.

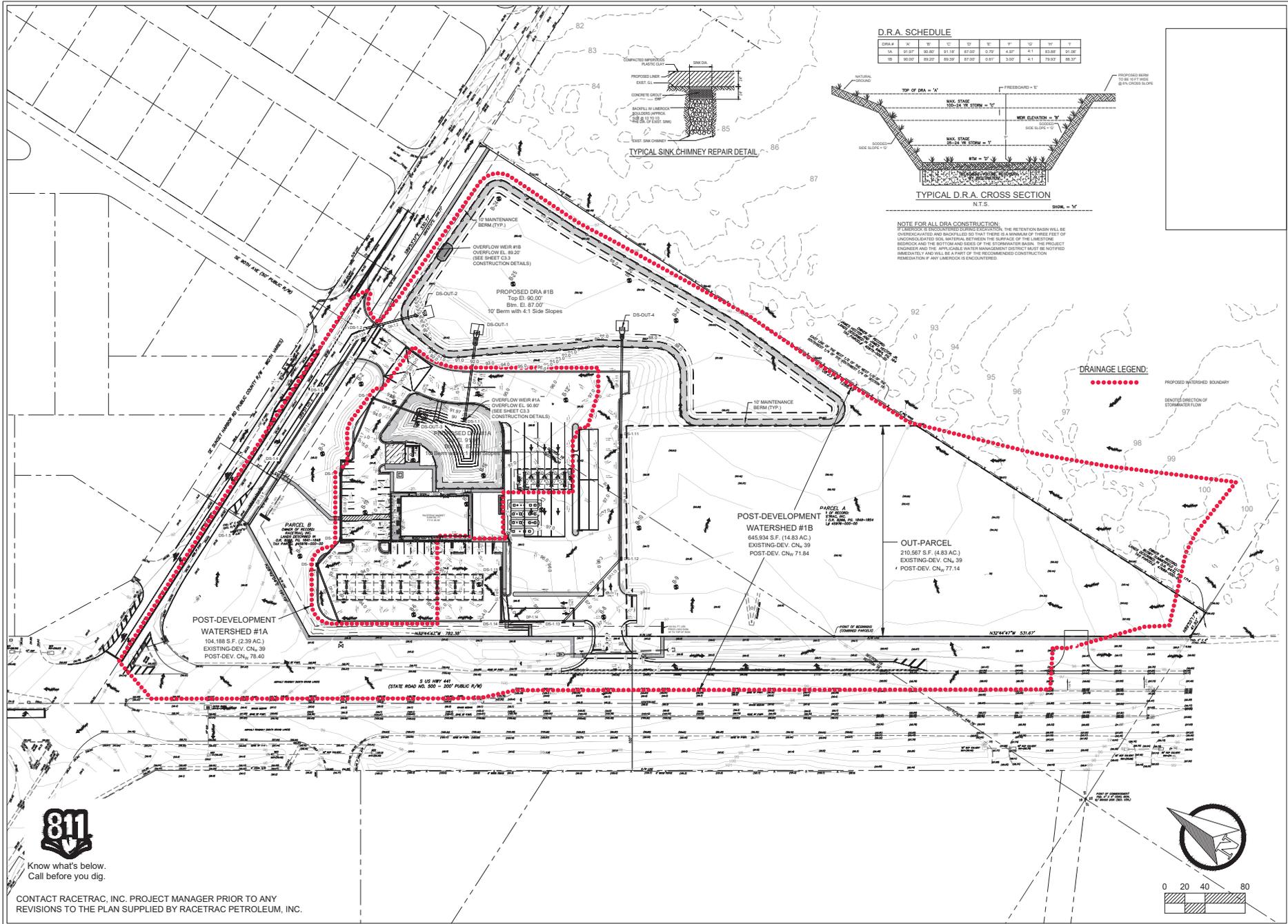
CONTACT RACETRAC, INC. PROJECT MANAGER PRIOR TO ANY REVISIONS TO THE PLAN SUPPLIED BY RACETRAC PETROLEUM, INC.

DRAINAGE LEGEND:

--- EXISTING WATERSHED BOUNDARY

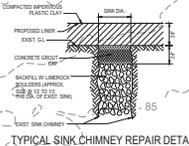
→ DRAINED DIRECTION OF STORMWATER FLOW

<p>PRE-DEV DRAINAGE PLAN PROJECT NAME / INTERSECTION S US HWY 441 @ SE SUNSET HARBOR RD Summerfield, FL Marion County</p>		<p>ENGINEER'S CERTIFICATION:</p> <p>MASTROSERIO ENGINEERING, INC. CIVIL / ENVIRONMENTAL - SITE DESIGN 170 SE 32ND PLACE PH: (352) 432-2185 FAX: (352) 432-2185 PACLO@MASTROSERIOENGINE.COM</p>	<p>NO.</p> <p>DATE</p>
<p>Racetrac</p> <p>RACETRAC PETROLEUM, INC. SUITE 800 ATLANTA, GA 30339 (770) 431-7600</p>		<p>MASTROSERIO ENGINEERING, INC. CIVIL / ENVIRONMENTAL - SITE DESIGN 170 SE 32ND PLACE PH: (352) 432-2185 FAX: (352) 432-2185 PACLO@MASTROSERIOENGINE.COM</p>	<p>NO.</p> <p>DATE</p>
<p>DRAWN BY: 4232024 DATE: WPODE SCALE: 1" = 40' DRAWING NAME: 87-06</p>		<p>MASTROSERIO ENGINEERING, INC. CIVIL / ENVIRONMENTAL - SITE DESIGN 170 SE 32ND PLACE PH: (352) 432-2185 FAX: (352) 432-2185 PACLO@MASTROSERIOENGINE.COM</p>	<p>NO.</p> <p>DATE</p>
<p>SHEET NO. C7.0</p>		<p>MASTROSERIO ENGINEERING, INC. CIVIL / ENVIRONMENTAL - SITE DESIGN 170 SE 32ND PLACE PH: (352) 432-2185 FAX: (352) 432-2185 PACLO@MASTROSERIOENGINE.COM</p>	<p>NO.</p> <p>DATE</p>

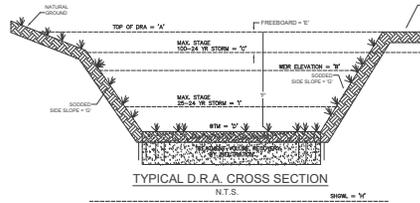


D.R.A. SCHEDULE

DRW#	DATE	BY	CHKD	REV	DESCRIPTION				
1A	01.27	00.00	01.10	07.00	0.70	4.50	4.1	03.00	01.00
1B	02.07	03.20	08.20	07.00	0.87	3.00	4.1	03.00	08.00



TYPICAL SINK CHIMNEY REPAIR DETAIL



TYPICAL D.R.A. CROSS SECTION
N.T.S.

NOTE FOR ALL DRA CONSTRUCTION:
LIMEPOCK IS ENCOUNTERED DRAINAGE CONSTRUCTION, THE RETENTION DRAIN WILL BE OVERLAPPED AND BACKFILLED SO THAT THERE IS A MINIMUM OF THREE FEET OF UNCONSOLIDATED SOIL MATERIAL BETWEEN THE SURFACE OF THE LIMESTONE BEDROCK AND THE BOTTOM AND SIDES OF THE DRAINAGE DRAIN. THE PROJECT ENGINEER AND THE APPLICABLE WATER MANAGEMENT DISTRICT MUST BE NOTIFIED IMMEDIATELY AND WILL BE A PART OF THE RECOMMENDED CONSTRUCTION REMEDIATION IF ANY LIMESTONE IS ENCOUNTERED.

DRAINAGE LEGEND

..... PROPOSED WATERSHED BOUNDARY
- - - - - DEVISED DIRECTION OF DRAINAGE FLOW

POST-DEVELOPMENT
WATERSHED #1B
645,934 S.F. (14.83 AC.)
EXISTING-DEV. CN₁ 39
POST-DEV. CN₁ 71.84

OUT-PARCEL
210,567 S.F. (4.83 AC.)
EXISTING-DEV. CN₁ 39
POST-DEV. CN₁ 77.14

POST-DEVELOPMENT
WATERSHED #1A
104,188 S.F. (2.39 AC.)
EXISTING-DEV. CN₁ 39
POST-DEV. CN₁ 78.40



Know what's below.
Call before you dig.

CONTACT RACETRAC, INC. PROJECT MANAGER PRIOR TO ANY REVISIONS TO THE PLAN SUPPLIED BY RACETRAC PETROLEUM, INC.



ENGINEER'S CERTIFICATION:	
3	RESPONSE TO COUNTY RAIL SUBMITTAL 3/F007.2
3	RESPONSE TO COUNTY RAIL SUBMITTAL 2
3	RESPONSE TO COUNTY RAIL SUBMITTAL 2
3	RESPONSE TO COUNTY RAIL SUBMITTAL 2
3	RESPONSE TO COUNTY RAIL SUBMITTAL 2
NO	REVISION
NO	DATE

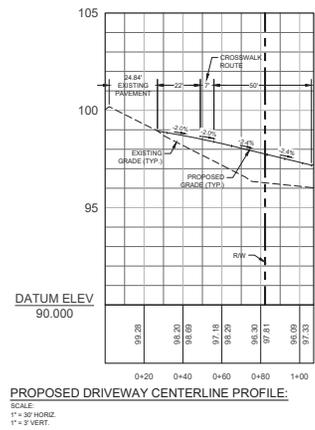
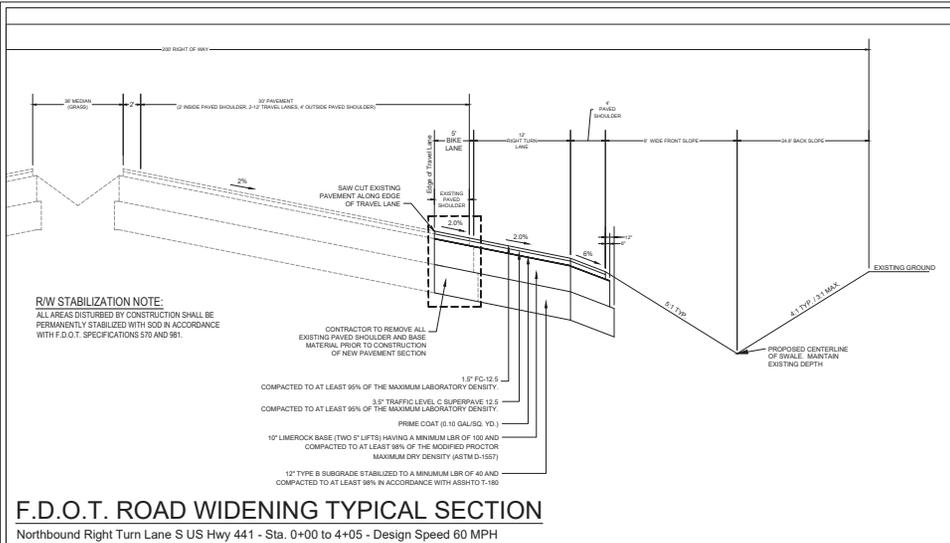
MASTROSERIO ENGINEERING, INC.
 CIVIL / ENVIRONMENTAL - SITE DESIGN
 170 SE 32ND PLACE
 SUITE 200
 PALM BEACH, FL 33480
 PH: (561) 842-2185
 FAX: (561) 842-2185
 PACLO@MASTROSERIOENGINEERING.COM

THIS PLAN HAS BEEN PREPARED BY THE ENGINEER AND IS SUBJECT TO FEDERAL AND STATE LAWS AND REGULATIONS. THE ENGINEER'S LIABILITY IS LIMITED TO THE DESIGN AND CONSTRUCTION OF THE PROJECT DESCRIBED HEREIN. THE ENGINEER'S LIABILITY IS NOT TO BE EXTENDED TO ANY OTHER PROJECTS OR TO ANY OTHER PURPOSES. THE ENGINEER'S LIABILITY IS LIMITED TO THE DESIGN AND CONSTRUCTION OF THE PROJECT DESCRIBED HEREIN. THE ENGINEER'S LIABILITY IS NOT TO BE EXTENDED TO ANY OTHER PROJECTS OR TO ANY OTHER PURPOSES.

Racetrac
 RACETRAC PETROLEUM, INC.
 801 W. SUNSET HARBOR RD.
 SUITE 800 ATLANTA, GA 30339
 (770) 537-1600

DRAINAGE PLAN
 RACETRAC SUMMERFIELD
 5 US HWY 441 @ SE SUNSET HARBOR RD
 Summerfield, FL
 Marion County

DRAWN BY: 12/20/2024
 DATE: WPODE
 SCALE: 1" = 40'
 DRAWING NAME: 89-11-02-24-00p
C7.1
 SHEET NO. VERSION



F.D.O.T. ROAD WIDENING TYPICAL SECTION

Northbound Right Turn Lane S US Hwy 441 - Sta. 0+00 to 4+05 - Design Speed 60 MPH

GENERAL PURPOSE:

THE PROPOSED IMPROVEMENTS TO STATE ROAD 500 ARE FOR PROVIDING A RIGHT TURN DECEL LANE INTO THE PROPOSED RACETRAC DEVELOPMENT.

ADA CONSTRUCTION NOTE:

ALL IMPACTED SIDEWALKS, RAMP, AND CROSSWALKS WILL BE BUILT AND INSPECTED TO MEET OR EXCEED CURRENT ADA REQUIREMENTS. ANY EXISTING SIDEWALKS, RAMP, AND CROSSWALKS WITHIN THE IMPACTED PROJECT AREA SHALL BE BROUGHT UP TO MEET OR EXCEED CURRENT ADA REQUIREMENTS.

GENERAL SAFETY NOTE:

IF THE PERMITTED CONNECTION POSES A CURRENT OR POTENTIAL OPERATIONAL PROBLEM THAT ENDANGERS THE HEALTH, SAFETY, OR WELFARE OF THE PUBLIC, THE OWNER PROMISES TO BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH THE REQUIRED MODIFICATION PER FAC GUIDELINES.

MAINTENANCE OF TRAFFIC:

MAINTENANCE OF TRAFFIC SHALL ADHERE TO, AT A MINIMUM, FDOT DESIGN STANDARD INDEX 102-001, 102-011, 102-012 AND 102-013. PRIOR TO COMMENCEMENT OF CONSTRUCTION THE CONTRACTORS SHALL SUBMIT A SCHEDULE FOR IMPLEMENTING THE MAINTENANCE OF TRAFFIC TO THE PROJECT ENGINEER AND THE FLORIDA DEPARTMENT OF TRANSPORTATION.

FDOT SPECIFICATIONS:

ALL WORK AND MATERIALS SHALL CONFORM TO THE SPECIFICATIONS IN THE FDOT STANDARD PLANS #BOOK: FY 2024/2025 EDITION.

TRAFFIC STRIPING & SIGNAGE NOTE:

IF REQUIRED BY FIELD ADJUSTMENTS, THE CONTRACTOR SHALL COORDINATE UPDATE/REMOVAL/REMOVAL OF ANY PAVEMENT MARKINGS OR SIGNS WITH THE ENGINEER OF RECORD.

ALL STRIPING AND PAVEMENT MARKINGS IN FOOT R/W SHALL BE THERMOPLASTIC

PRE-CONSTRUCTION MEETING NOTE:

THE CONTRACTOR MUST NOTIFY THE FDOT 48 HOURS IN ADVANCE OF THE ONSITE PRE-CONSTRUCTION MEETING IF THERE IS ONE BEING HOSTED BY THE COUNTY OR CITY. IF THERE IS NOT A COUNTY OR CITY PRE-CONSTRUCTION MEETING PLEASE CONTACT FDOT AT 05-585PERMITS@DOT.STATE.FL.US AND/OR CALL 352-620-3000 TO ARRANGE A PRE-CONSTRUCTION MEETING BEFORE WORK STARTS ON SITE.

LANE CLOSURE NOTE:

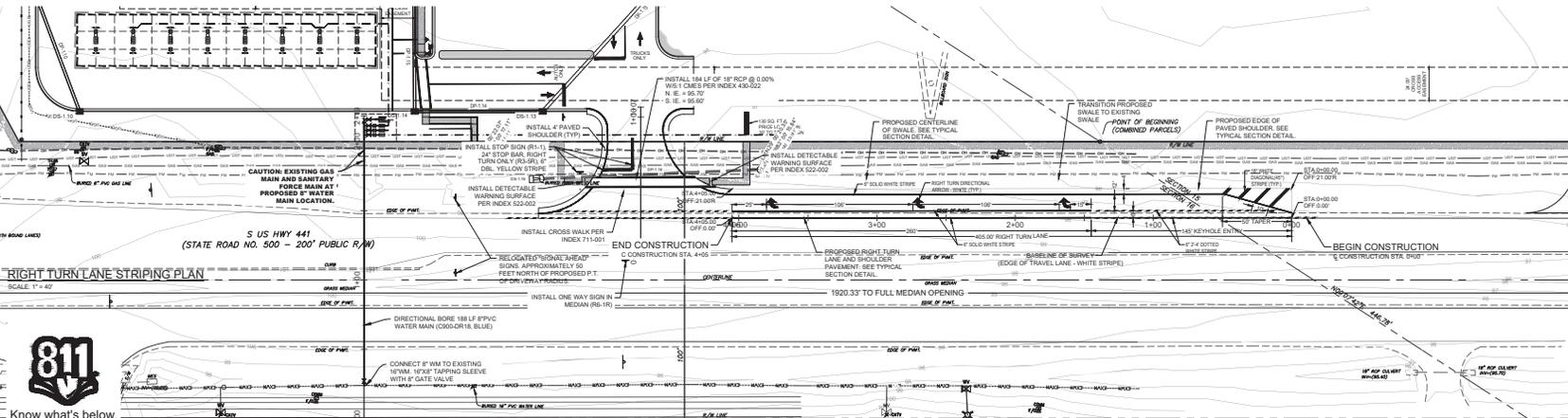
*Prior to any work requiring lane closures, mobile operations or traffic pacing operations the contractor or permittee shall submit a request to the Department that includes the time, location, and description of work being performed. The lane closure request shall be submitted to the Department a minimum of 2 weeks prior to the proposed closure date and must be approved by the Department before requiring the closure may begin within the FDOT Right of Way.

COUNT STATION TBD 4-lanes

MP: TBD TO M.P. TBD DATE

NO LANE CLOSURES 8:00 AM TO 7:00 PM DIRECTION NORTHBOUND
NO LANE CLOSURES 7:00 AM TO 6:00 PM DIRECTION SOUTHBOUND

REFER TO FDOT ISSUED PERMIT FOR EXACT ABOVE INFORMATION



Know what's below. Call before you dig.

CONTACT RACETRAC, INC. PROJECT MANAGER PRIOR TO ANY REVISIONS TO THE PLAN SUPPLIED BY RACETRAC PETROLEUM, INC.

NO.	REVISION	DATE
3	RESPONSE TO COUNTY R/W SUBMITTAL 3/FD0012	11-20-24
3	RESPONSE TO COUNTY R/W SUBMITTAL 2	09-20-24
3	RESPONSE TO COUNTY R/W SUBMITTAL 2	08-20-24
1	RESPONSE TO COUNTY R/W SUBMITTAL	04-26-24
NO.	REVISION	DATE

ENGINEER'S CERTIFICATION:

DATE: 11/20/24
 PROJECT NO.: P.E. 26081
 MATTHEW ROBERTSON, INC. C.E. #18199
 MATTHEW ROBERTSON, INC. C.E. #18199
 CIVIL ENGINEER
 COALA, FL 34411

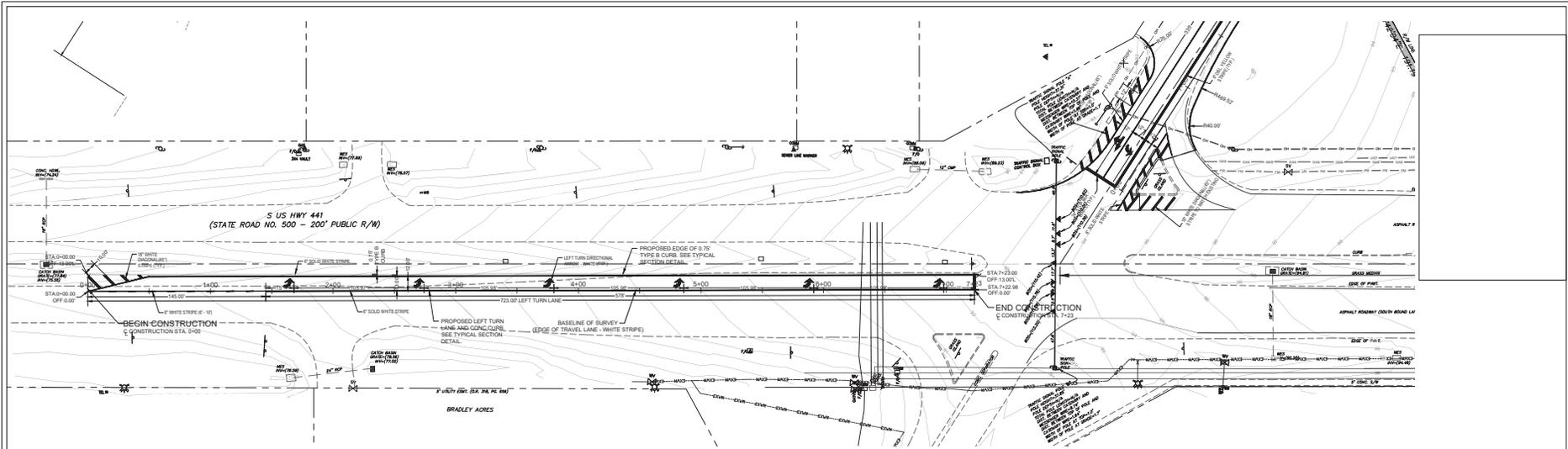
MASTROSERIO ENGINEERING, INC.
 CIVIL / ENVIRONMENTAL - SITE DESIGN
 170 SE 32ND PLACE
 FT. LAUDERDALE, FL 33305
 PH: (561) 432-2185
 PACLOB@MASTROSERIOENGINEERING.COM

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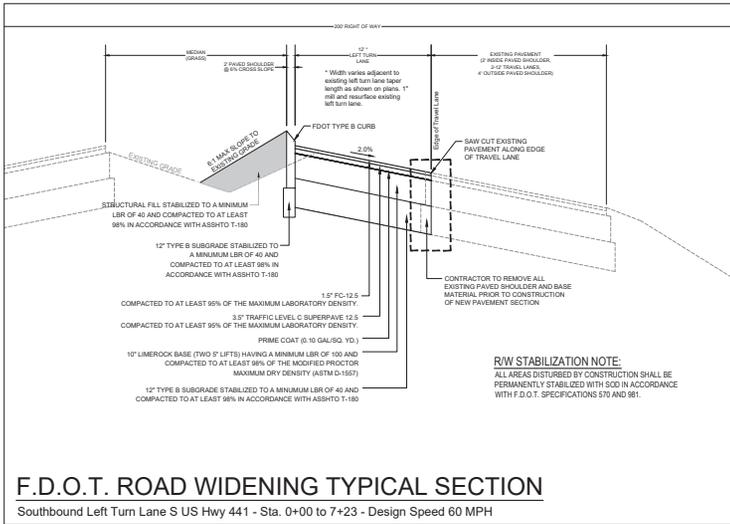
Racetrac
 RACETRAC PETROLEUM, INC.
 800 ATLANTA, GA 30339
 (770) 431-7600

SR500 RIGHT TURN LANE PLAN
 RACETRAC SUMMERFIELD
 S US HWY 441 @ SE SUNSET HARBOR RD
 Summerfield, FL
 Marion County

DRAWN BY	11/20/2024
DATE	11-20-24
SCALE	1" = 40'
DRAWING NAME:	SR 11-24-004
C9.1	
SHEET NO.	VERSION



LEFT TURN LANE STRIPING PLAN
SCALE: 1" = 40'



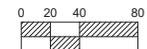
F.D.O.T. ROAD WIDENING TYPICAL SECTION

Southbound Left Turn Lane S US Hwy 441 - Sta. 0+00 to 7+23 - Design Speed 60 MPH



Know what's below.
Call before you dig.

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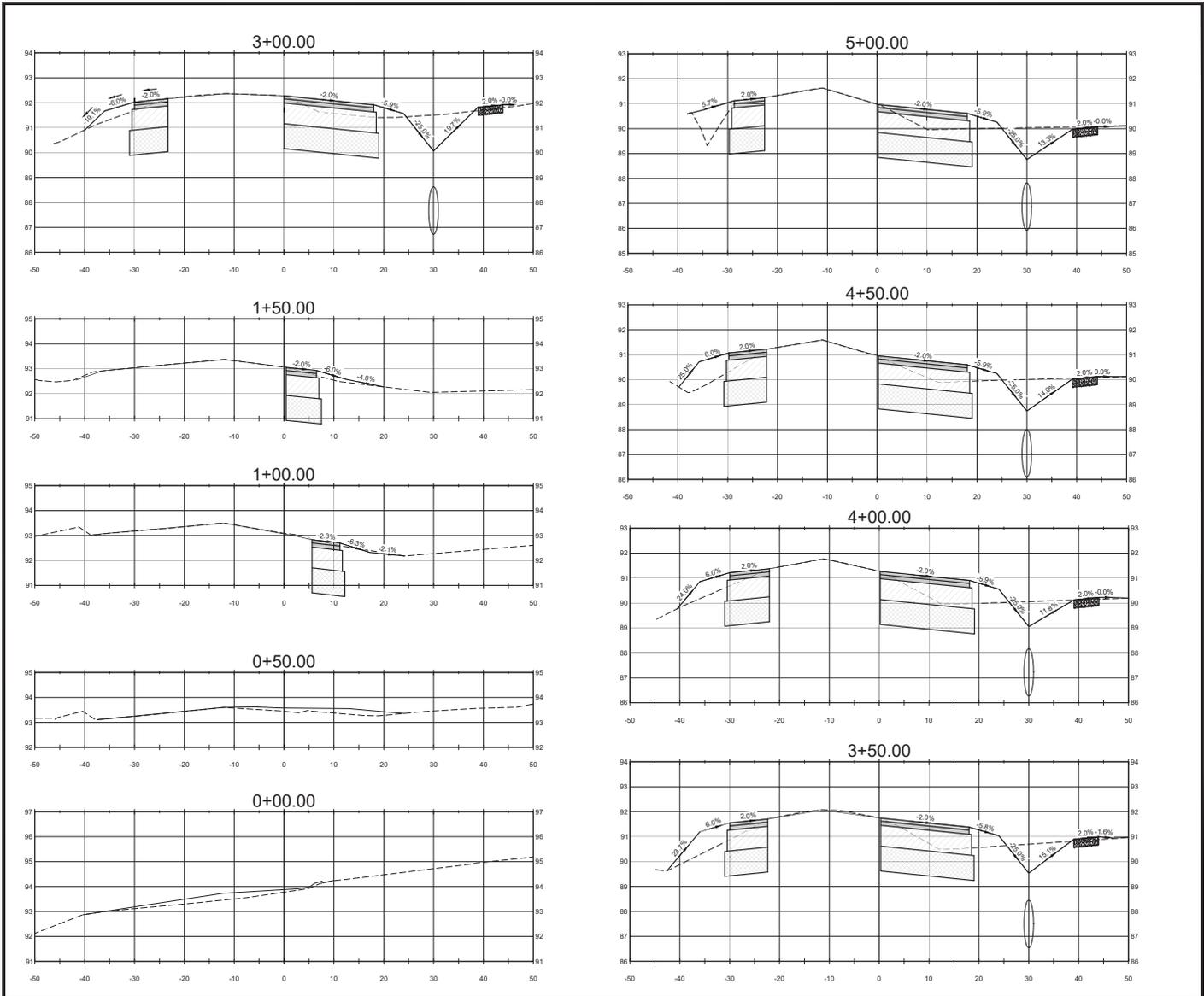


ENGINEER'S CERTIFICATION:	
NO.	REVISION
3	RESPONSE TO COUNTY R/W SUBMITTAL 3/F007 2
3	RESPONSE TO COUNTY R/W SUBMITTAL 2
3	RESPONSE TO COUNTY R/W SUBMITTAL 2
1	RESPONSE TO COUNTY R/W SUBMITTAL 2
1	RESPONSE TO COUNTY R/W SUBMITTAL 2
1	RESPONSE TO COUNTY R/W SUBMITTAL 2
1	DATE

MASTROSERIO ENGINEERING, INC. CIVIL / ENVIRONMENTAL / SITE DESIGN 170 SE 32ND PLACE PALM BEACH, FL 33480-2185 PH: (561) 832-2185 PACLO@MASTROSERIOENGINEERING.COM	MASTROSERIO ENGINEERING, INC. 170 SE 32ND PLACE PALM BEACH, FL 33480-2185 PH: (561) 832-2185 PACLO@MASTROSERIOENGINEERING.COM
--	---

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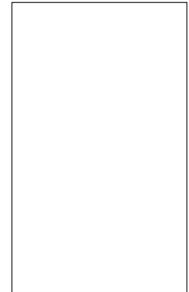
SR800 LEFT TURN LANE PLAN RACETRAC SUMMERFIELD S US HWY 441 @ SE SUNSET HARBOR RD Summerfield, FL Marion County	DRAWN BY: 11/22/2024 DATE: WPODE SCALE: 1" = 40' DRAWING NAME: SR 11-24-089 C9.1.1 SHEET NO. VERSION
---	--



SE SUNSET HARBOR RD CROSS SECTIONS:
 SCALE:
 1" = 10' HORIZ.
 1" = 2' VERT.



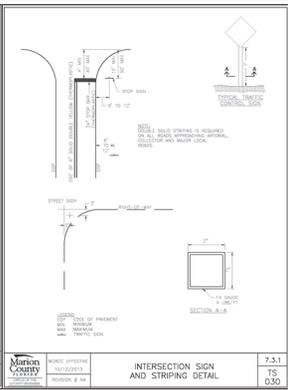
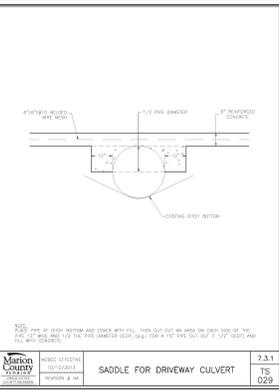
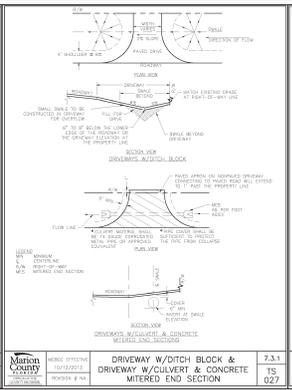
Know what's below. Call before you dig. CONTACT RACETRAC, INC. PROJECT MANAGER PRIOR TO ANY REVISIONS TO THE PLAN SUPPLIED BY RACETRAC PETROLEUM, INC.



ENGINEER'S CERTIFICATION:	
DATE	NO.
3	RESPONSE TO COUNTY RMA SUBMITTAL 3/F0012
3	RESPONSE TO COUNTY RMA SUBMITTAL 2
3	RESPONSE TO COUNTY RMA SUBMITTAL 2
1	RESPONSE TO COUNTY RMA SUBMITTAL 2
1	REVISION
NO.	DATE
MASTROSERIO ENGINEERING, INC. CIVIL / ENVIRONMENTAL / SITE DESIGN 170 SE 32ND PLACE BOCA RATON, FL 33432-1185 PH: (561) 993-2185 FACLO@MASTROSERIOENGINEERING.COM COVIA, FL 34411	
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RACETRAC PETROLEUM, INC. SUITE 800 ATLANTA, GA 30339 (770) 637-1600	
SE SUNSET HARBOR RD CROSS SECTIONS RACETRAC SUMMERFIELD S US HWY 441 @ SE SUNSET HARBOR RD Summerfield, FL Marion County	
DRAWN BY	11/23/2024
DATE	WFODE
SCALE	
DRAWING NAME:	89-11-24-089
C9.4.1	
SHEET NO.	VERSION

GENERAL DRIVEWAY NOTES

- CONCRETE & WEAR SURF SHALL BE PLACED AND FINISHED WITHIN THE SPECIFIED TIME PERIOD AFTER THE DRIVEWAY FORMS ARE SET UP. DRIVEWAY FORMS SHALL BE REMOVED IMMEDIATELY AFTER THE DRIVEWAY IS FINISHED.
- ALL DRIVEWAYS MUST BE FINISHED WITHIN THE SPECIFIED TIME PERIOD AFTER THE DRIVEWAY FORMS ARE SET UP. DRIVEWAY FORMS SHALL BE REMOVED IMMEDIATELY AFTER THE DRIVEWAY IS FINISHED.
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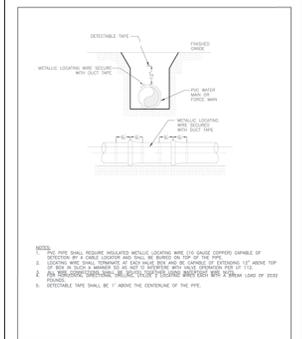
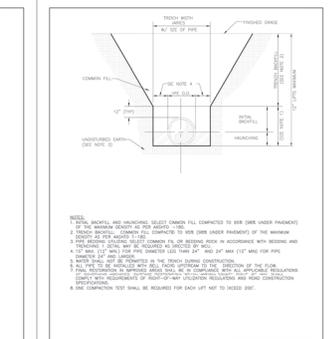
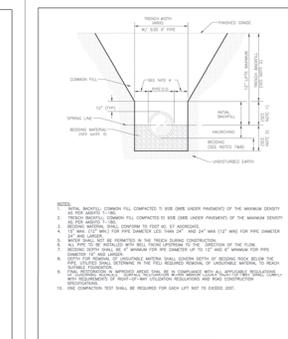
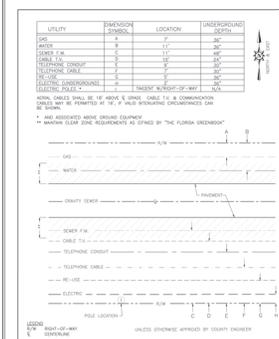
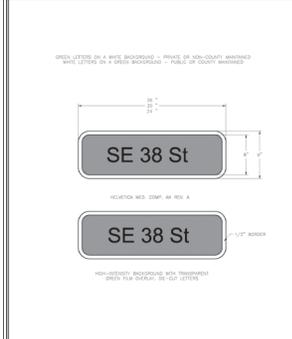
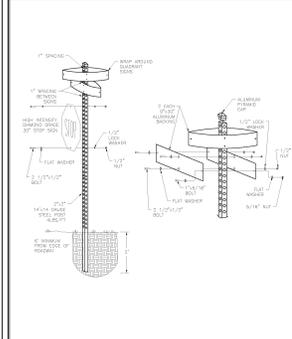


7.3.1
TS
024
GENERAL DRIVEWAY NOTES

7.3.1
TS
027
DRIVEWAY W/DITCH BLOCK & DRIVEWAY W/CULVERT & CONCRETE MITERED END SECTION

7.3.1
TS
029
SADDLE FOR DRIVEWAY CULVERT

7.3.1
TS
030
INTERSECTION SIGN AND STRIPING DETAIL



7.3.1
TS
031
COMBINED STREET NAME & STOP SIGN INSTALLATION

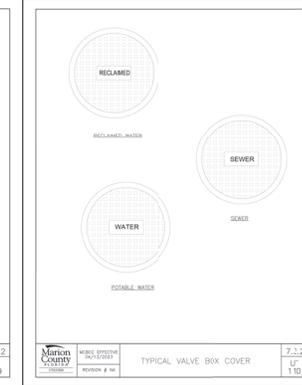
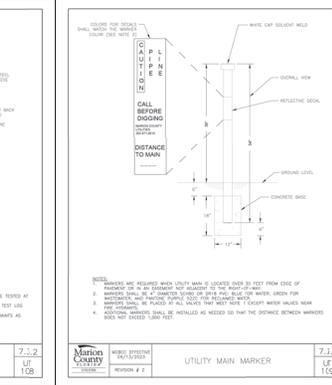
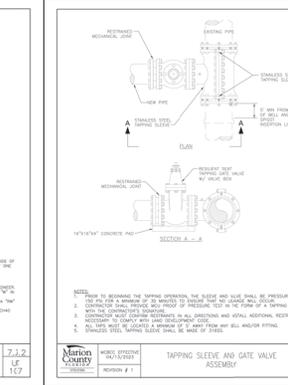
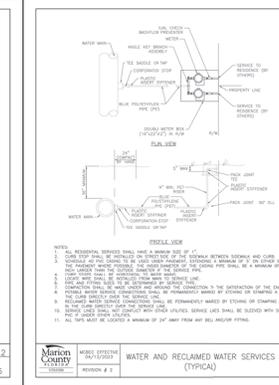
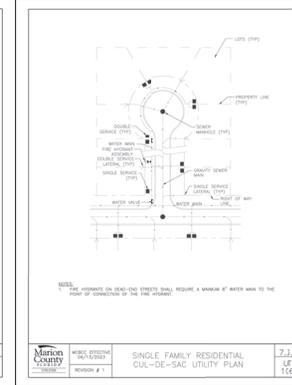
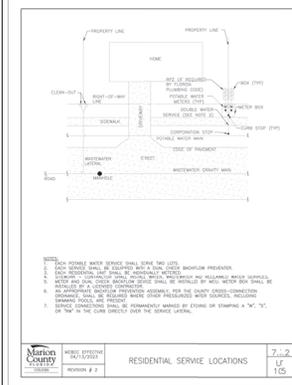
7.3.1
TS
032
STREET SIGN

7.3.1
TS
006
UTILITY POSITION IN RIGHT-OF-WAY

7.3.2
LF
102
BEDDING AND TRENCHING 1

7.3.2
LF
103
BEDDING AND TRENCHING 2

7.3.2
LF
104
PIPE LOCATING WIRE AND DETECTABLE TAPE



7.3.2
LF
105
RESIDENTIAL SERVICE LOCATIONS

7.3.2
LF
106
SINGLE FAMILY RESIDENTIAL CUL-DE-SAC UTILITY PLAN

7.3.2
LF
107
WATER AND RECLAIMED WATER SERVICES (TYPICAL)

7.3.2
LF
108
TAPPING SLEEVE AND GATE VALVE ASSEMBLY

7.3.2
LF
109
UTILITY MAIN MARKER

7.3.2
LF
110
TYPICAL VALVE BOX COVER

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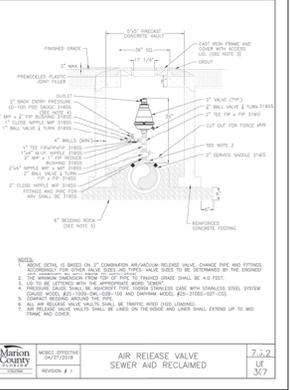
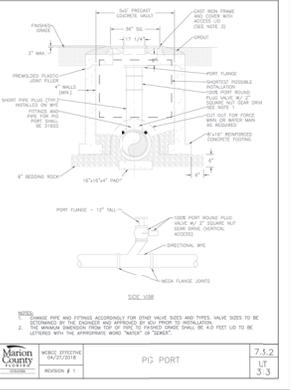
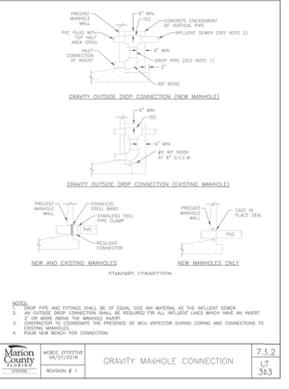
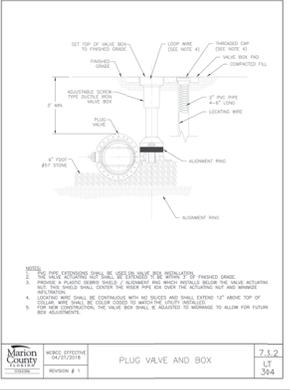
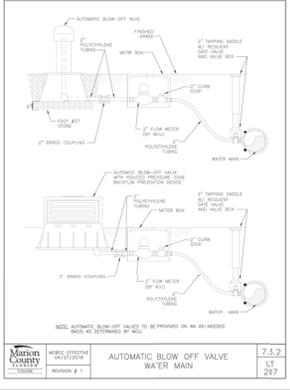
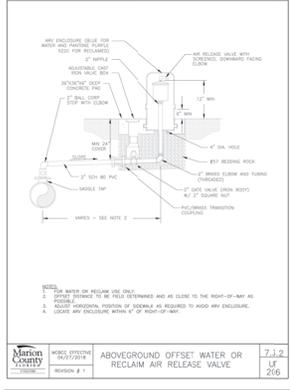
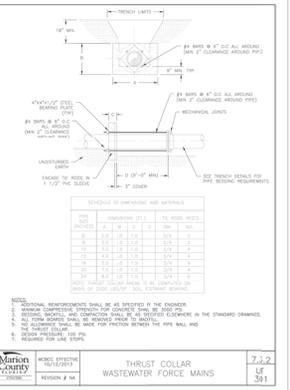
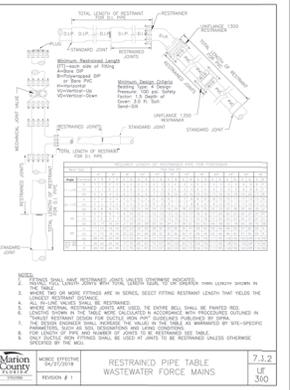
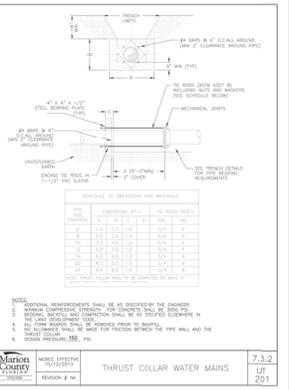
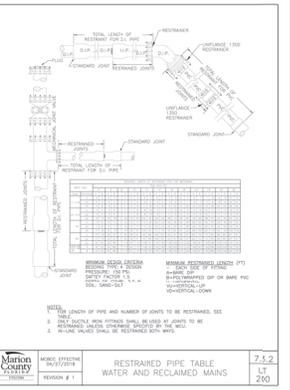
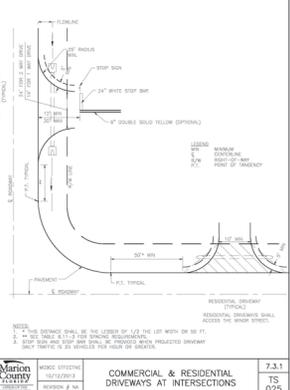
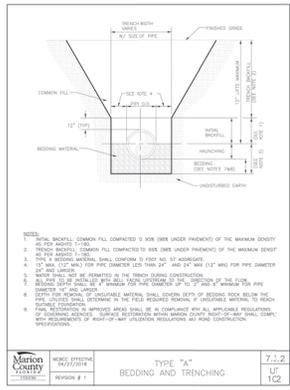
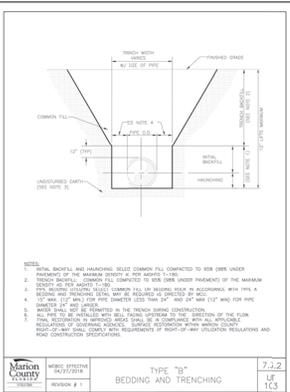
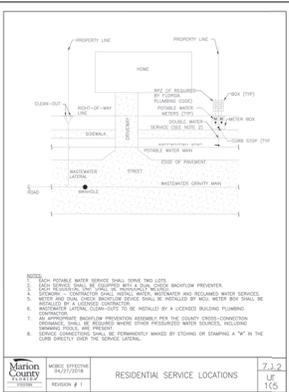
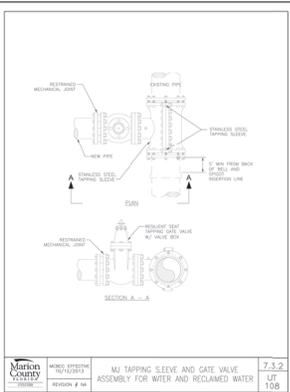
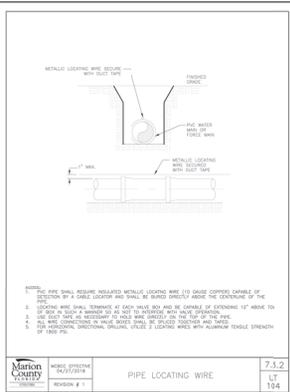
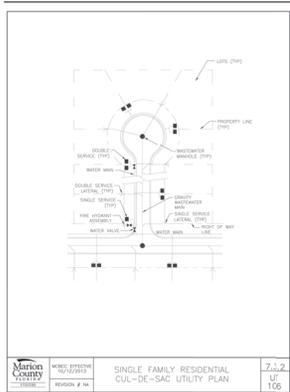
ENGINEER'S CERTIFICATION

I, **PAOLO MASTROSERIO**, P.E., 69601
 RACETRAC ENGINEERING, INC. C.A. 000199
 170 SE 32ND PLACE
 PH: (305) 432-2185
 FAC: (305) 432-2185
 EMAIL: PM@MSTROSERIO.COM
 CO. CA. FL 34471

CONSTRUCTION DETAILS

RACETRAC SUMMERFIELD
 515 HWY 441 @ SE SUNSET HARBOR RD
 Summerfield, FL
 Marion County
 (770) 437-1000

DATE: 10/20/24
 SCALE: 1"=10'
 DRAWING NAME: STANDARD CONSTRUCTION DETAILS
 SHEET NO: CD1
 VERSION: 1



CONTACT RACETRAC, INC. PROJECT MANAGER PRIOR TO ANY REVISIONS TO THE PLAN SUPPLIED BY RACETRAC PETROLEUM, INC.

ENGINEERS CERTIFICATION:

PAOLO MASTROSERIO, P.E. 58819
PAOLO MASTROSERIO ENGINEERING, INC. C. #A 018159
1001
1002
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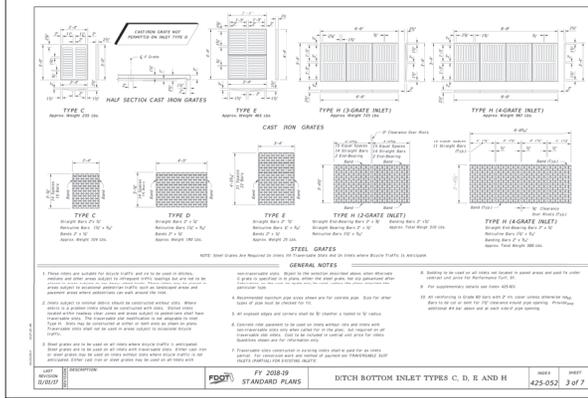
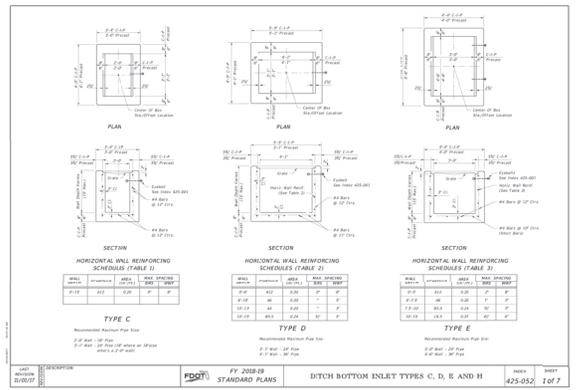
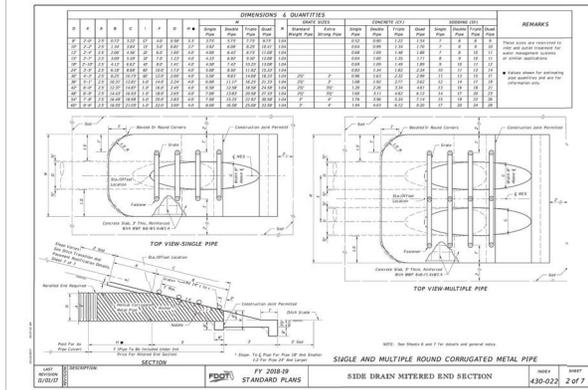
MASTROSERIO ENGINEERING, INC.
CIVIL / ENVIRONMENTAL / SITE DESIGN
170 SE 32ND PLACE
SUITE 200
FORT LAUDERDALE, FL 33308
PH: (352) 432-1185
PAOLO@MASTROSERIOENGINE.COM

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Racetrac
RACETRAC, INC.
SUITE 200, 32ND PLACE
FORT LAUDERDALE, FL 33308
(978) 401-1800

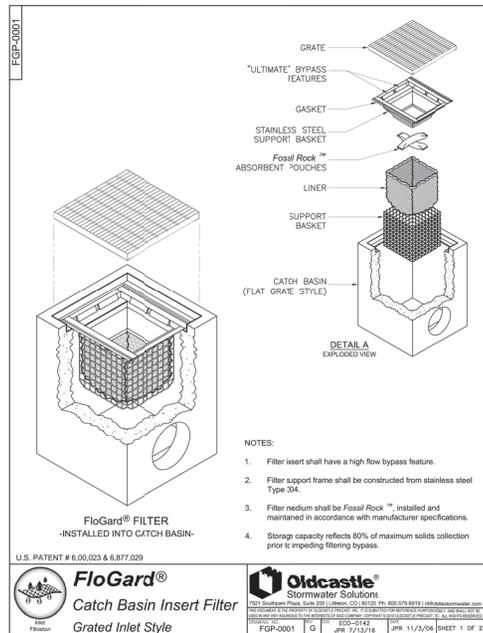
CONSTRUCTION DETAILS
RACETRAC, SUMMERFIELD
SUNSHINE RD
SUMMERFIELD, FL
Marion County

DRAWN BY: 438204
DATE: WPCD
SCALE:
DRAWINGS NAME: RT.SETLANS.dwg
CD2
SHEET NO. VERSION



CONTACT RACETRAC, INC. PROJECT MANAGER PRIOR TO ANY REVISIONS TO THE PLAN SUPPLIED BY RACETRAC PETROLEUM, INC.

ENGINEER'S CERTIFICATION:		NO.	DATE
MASTROSERIO ENGINEERING, INC. CIVIL / ENVIRONMENTAL / SITE DESIGN 170 SE 32ND PLACE SUITE 200 PH: (352) 432-2185 PACLO@MASTROSERIOENGINEERING.COM		NO.	DATE
PACLO MASTROSERIO, P.E. 06001 MASTROSERIO ENGINEERING, INC. C.A. 060199 170 SE 32ND PLACE SUITE 200 OCOLA, FL 32187		NO.	DATE
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RACETRAC PETROLEUM, INC. SUITE 900 AT WYATT, CA 93039 (979) 437-1000		NO.	DATE
CONSTRUCTION DETAILS	RACETRAC SUMMERFIELD	NO.	DATE
SUS HWY 441 @ SE SUNSET HARBOR RD Summerfield, FL Marion County		NO.	DATE
DRAWN BY	4262024	NO.	DATE
DATE	11/01/17	NO.	DATE
SCALE	AS SHOWN	NO.	DATE
DRAWING NAME	REVISIONS	NO.	DATE
CD3		NO.	DATE
SHEET NO.	VERSION	NO.	DATE



U.S. PATENT # 6,000,023 & 6,877,029

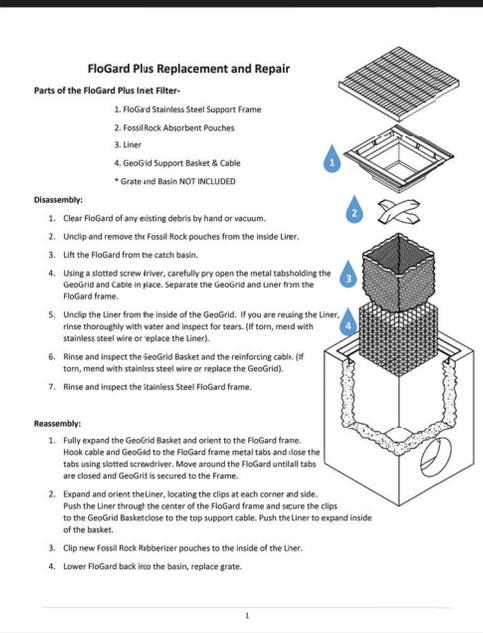
SPECIFIER CHART

*MANY OTHER STANDARD & CUSTOM SIZES & DEPTHS AVAILABLE UPON REQUEST.

MODEL NO.	STANDARD & SHALLOW DEPTHS		STANDARD DEPTH		SHALLOW DEPTH	
	INLET (2) Inside Dimension (Inch)	GRATE (2) Outside Dimension (Inch)	TOTAL CAPACITY (cu. ft.)	SOLIDS STORAGE CAPACITY (cu. ft.)	SHALLOW DEPTH (Inch)	FILTERED FLOW (cu. ft./min)
FGP-12F	12 X 12	12 X 14	2.8	0.3	0.4	25
FGP-15F	15 X 15	15 X 18	4.7	0.8	0.7	45
FGP-18F	18 X 18	18 X 20	4.7	0.8	0.7	45
FGP-1824F	18 X 22	18 X 24	5.9	1.5	1.2	75
FGP-1836F	18 X 36	18 X 40	6.9	2.3	1.5	9
FGP-2024F	18 X 22	20 X 24	5.9	1.2	1.0	7
FGP-21F	22 X 22	22 X 24	6.1	2.2	1.5	125
FGP-24F	24 X 24	24 X 27	6.1	2.2	1.5	125
FGP-2436F	24 X 36	24 X 40	8.0	3.4	2.0	150
FGP-2448F	24 X 48	24 X 48	9.3	4.4	2.4	175
FGP-28F	28 X 28	32 X 32	6.3	2.2	1.5	125
FGP-30F	30 X 30	30 X 34	8.1	3.6	2.0	205
FGP-36F	36 X 36	36 X 40	9.1	4.6	2.4	245
FGP-3648F	36 X 48	40 X 48	11.5	6.8	3.2	315
FGP-48F	48 X 48	48 X 54	13.2	9.5	3.9	545
FGP-5024F	24 X 24	28 X 28	6.1	2.2	1.5	125

FloGard®
Catch Basin Inset Filter
Grated Inlet Style

Oldcastle®
Stormwater Solutions
701 Sherman Plaza, Suite 200 (Lithia, CA) 95759, Ph: 800-378-8818 | oldcastle@racetrac.com



SCOPE:
Federal, State and Local Clean Water Act regulations and those of insurance carriers require that stormwater filtration systems be maintained and serviced on a recurring basis. The intent of the regulations is to ensure that the systems, on a continuing basis, efficiently remove pollutants from stormwater runoff thereby preventing pollution of the nation's water resources. These specifications apply to the FloGard+Plus® Catch Basin Inset Filter.

RECOMMENDED FREQUENCY OF SERVICE:
Drainage Protection Systems (DPS) recommends that installed FloGard+Plus Catch Basin Inset Filters be serviced on a recurring basis. Ultimately, the frequency depends on the amount of runoff, pollutant loading and interference from debris (leaves, vegetation, cans, paper, etc.); however, it is recommended that each installation be serviced a minimum of three times per year, with a change of filter medium once per year. DPS technicians are available to do an onsite evaluation, upon request.

RECOMMENDED TIMING OF SERVICE:
DPS guidelines for the timing of service are as follows:

1. For areas with a definite rainy season: Prior to, during and following the rainy season.
2. For areas subject to year-round rainfall: On a recurring basis (at least three times per year).
3. For areas with winter snow and summer rain: Prior to and just after the snow season and during the summer rain season.
4. For installed devices not subject to the elements (washrooms, parking garages, etc.): On a recurring basis (no less than three times per year).

SERVICE PROCEDURES:

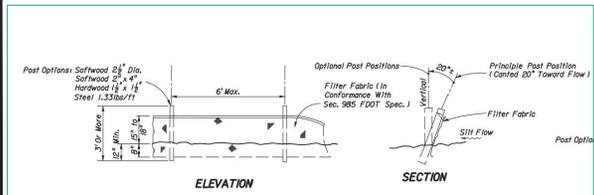
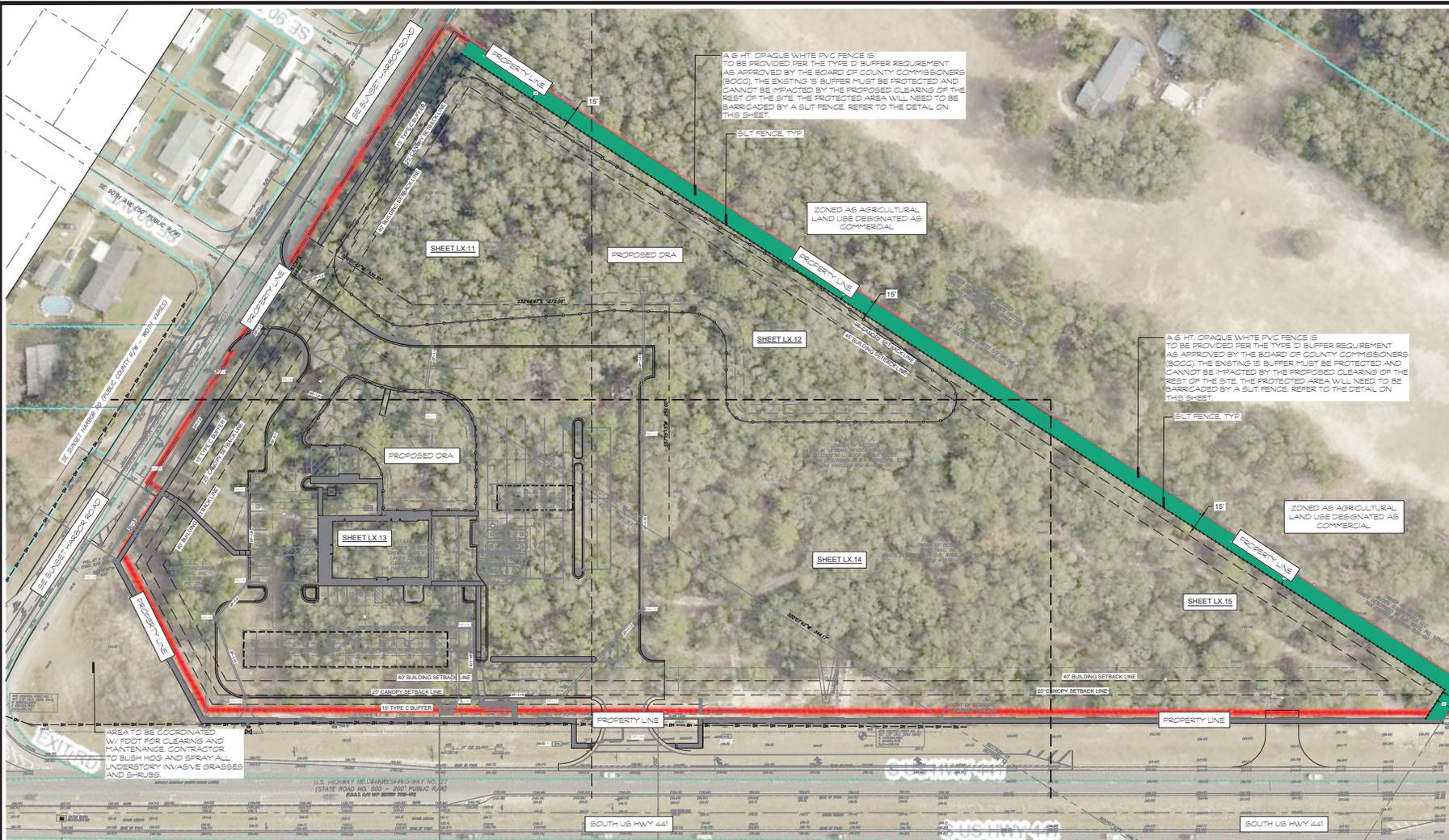
1. The catch basin grate shall be removed and set to one side. The catch basin shall be visually inspected for defects and possible illegal dumping. If illegal dumping has occurred, the proper authorities and property owner representative shall be contacted as soon as practicable.
2. Using an industrial vacuum, the collected materials shall be removed from the liner. (Note: DPS uses a truck-mounted vacuum for servicing FloGard+Plus catch basin inserts.)
3. When all of the collected materials have been removed, the filter medium pouches shall be removed by unsnapping the tether from the D-ring and set to one side. The filter liner, gaskets, stainless steel frame and mounting brackets, etc., shall be inspected for continued serviceability. Minor damage or defects found shall be corrected on-the-spot and a notation made on the Maintenance Record. More extensive deficiencies that affect the efficiency of the filter (torn liner, etc.), if approved by the customer representative, will be corrected and an invoice submitted to the representative along with the Maintenance Record.
4. The filter medium pouches shall be inspected for defects and continued serviceability and replaced as necessary and the mesh tethers re-attached to the liner's D-ring. See below.
5. The grate shall be replaced.

REPLACEMENT AND DISPOSAL OF EXPOSED FILTER MEDIUM AND COLLECTED DEBRIS
The frequency of filter medium exchange will be in accordance with the existing DPS-Customer Maintenance Contract. DPS recommends that the medium be changed at least once per year. During the appropriate service, or if so determined by the service technician during a non-scheduled service, the filter medium will be replaced with new material. Once the exposed pouches and debris have been removed, DPS has possession and must dispose of it in accordance with local, state and federal agency requirements.

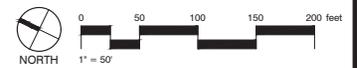
DPS also has the capability of servicing all manner of storm drain filters, catch basin inserts and catch basins without inserts, underground oil/water separators, stormwater interceptors and other such devices. All DPS personnel are highly qualified technicians and are confined space trained and certified. Call us at (888) 950-8828 for further information and assistance.

ENGINEER'S CERTIFICATION:		DATE: 11/03/17	NO: 1
MASTROSERIO ENGINEERING, INC. CIVIL / ENVIRONMENTAL - SITE DESIGN 170 SE 32ND PLACE PH: (352) 432-2185 PACLOG@MASTROSERIOENGINEERING.COM		PROJECT NO.: P.E. 06001 RESPONSE TO COUNTY REQUEST FOR PROPOSAL RESPONSE TO COUNTY REQUEST FOR PROPOSAL COALA, FL 34411	NO: 1
CONSTRUCTION DETAILS		RACETRAC SUMMERFIELD S US HWY 441 @ SE INLET HARBOR RD Summerfield, FL Marion County	
DRAWN BY: 8/15/2016		DATE: WFOE	
SCALE:		DRAWING NAME: STANDARD CONSTRUCTION DETAILS	
SHEET NO: CD4		VERSION:	

CONTACT RACETRAC, INC. PROJECT MANAGER PRIOR TO ANY REVISIONS TO THE PLAN SUPPLIED BY RACETRAC PETROLEUM, INC.



1 SILT FENCE DETAIL, TYP.
Scale: N.T.S.



NO.	REVISIONS	BY	DATE



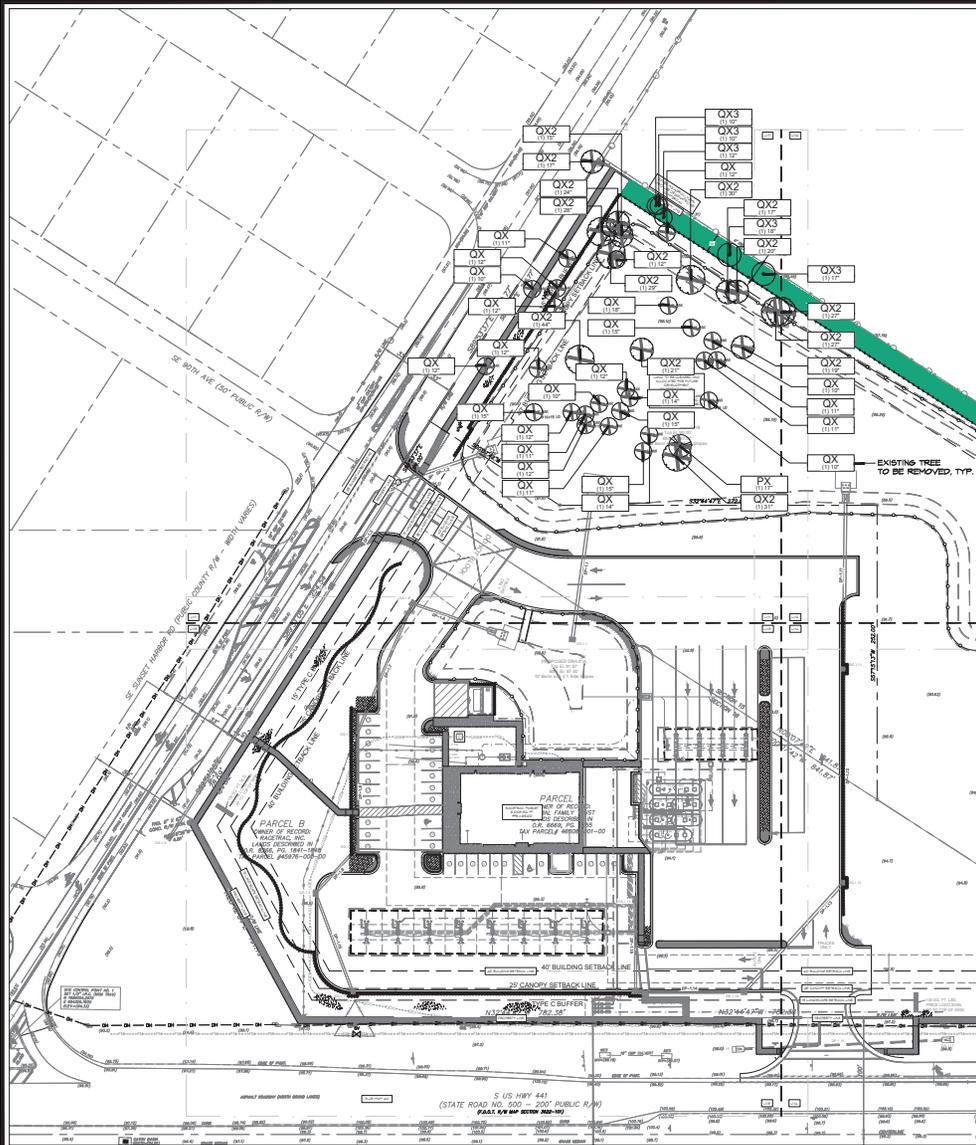
MILLS DESIGN
ARCHITECTS & ENGINEERS
11000 W. BIRCHWOOD DR., SUITE 100
SUMMERFIELD, FL 34907
(888) 444-7777

THESE PLANS ARE
SUBJECT TO FEDERAL
REGULATION AND
ANY USE OF SAME
WITHOUT THE WRITTEN
PERMISSION OF
PETROCOLIA, INC. IS
PROHIBITED.



Overall Site Landscape Plan
RACETRAC #xxx - Summerfield EDO
S US Hwy 441 @ SE Sunset Harbor Rd.
SUMMERFIELD, FL Marion County

DATE	09/23/24
SCALE	1" = 50'-0"
DRAWN-BY	AE
PROJECT NUMBER	024-007
SHEET NO.	L1.01
VERSION	0



PLANT SCHEDULE

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

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.marioncounty.com/library/filmarchive>

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 ERRECTED 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 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 TOP 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 DRIFLUNE 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 DRIFLUNE 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" CALIPER. THE COUNTY RESERVED THE RIGHT TO ESTABLISH A REPLACEMENT VALUE FOR EACH TREE 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 UNTIL ALL REQUIRED INSPECTIONS AND REPLACEMENTS HAVE BEEN COMPLETED AND APPROVED.

A FINAL INSPECTION SHALL BE CONDUCTED BY THE COUNTY'S LANDSCAPE ARCHITECT OR DESIGNER AT THE COMPLETION OF TREE REMOVAL AND REPLACEMENT. FOLLOWING FINAL INSPECTION, AND IF FOUND TO BE IN ACCORDANCE WITH THE PERMITTED PLANS AND REQUIREMENTS, APPROVAL SHALL BE MET 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.

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 42

TOTAL INCHES REMOVED PER 1 ACRE PARCEL 743"

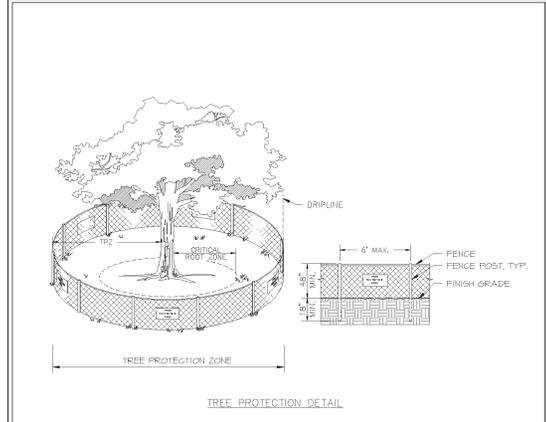
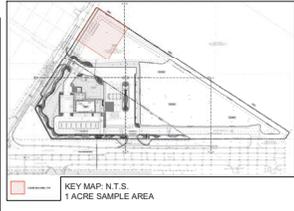
TOTAL TREES TO REMAIN PER 1 ACRE PARCEL 5

TOTAL INCHES TO REMAIN PER 1 ACRE PARCEL 67"

AMOUNT OF CANOPY TREES PROPOSED @ 4" = 85

AMOUNT OF CALIPER INCHES PROPOSED = 340"

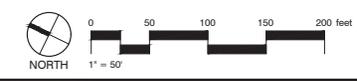
NOTE: OWNER WILL PAY INTO TREE MITIGATION FOR 336" @ \$223.81 PER INCH



- 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" CALIPER.
 - REQUIRED SIGNS SHALL STATE "TREE PROTECTION ZONE".

<p>Marion County #104194 PARKS AND RECREATION</p>	<p>MCBCB EFFECTIVE 10/12/2013</p> <p>REVISION # NA</p>	<p>7.3.4 LS 009</p>
	<p>TREE PROTECTION</p>	

1 ONE ACRE EXISTING TREE SITE SAMPLE AREA
Scale: 1" = 50'

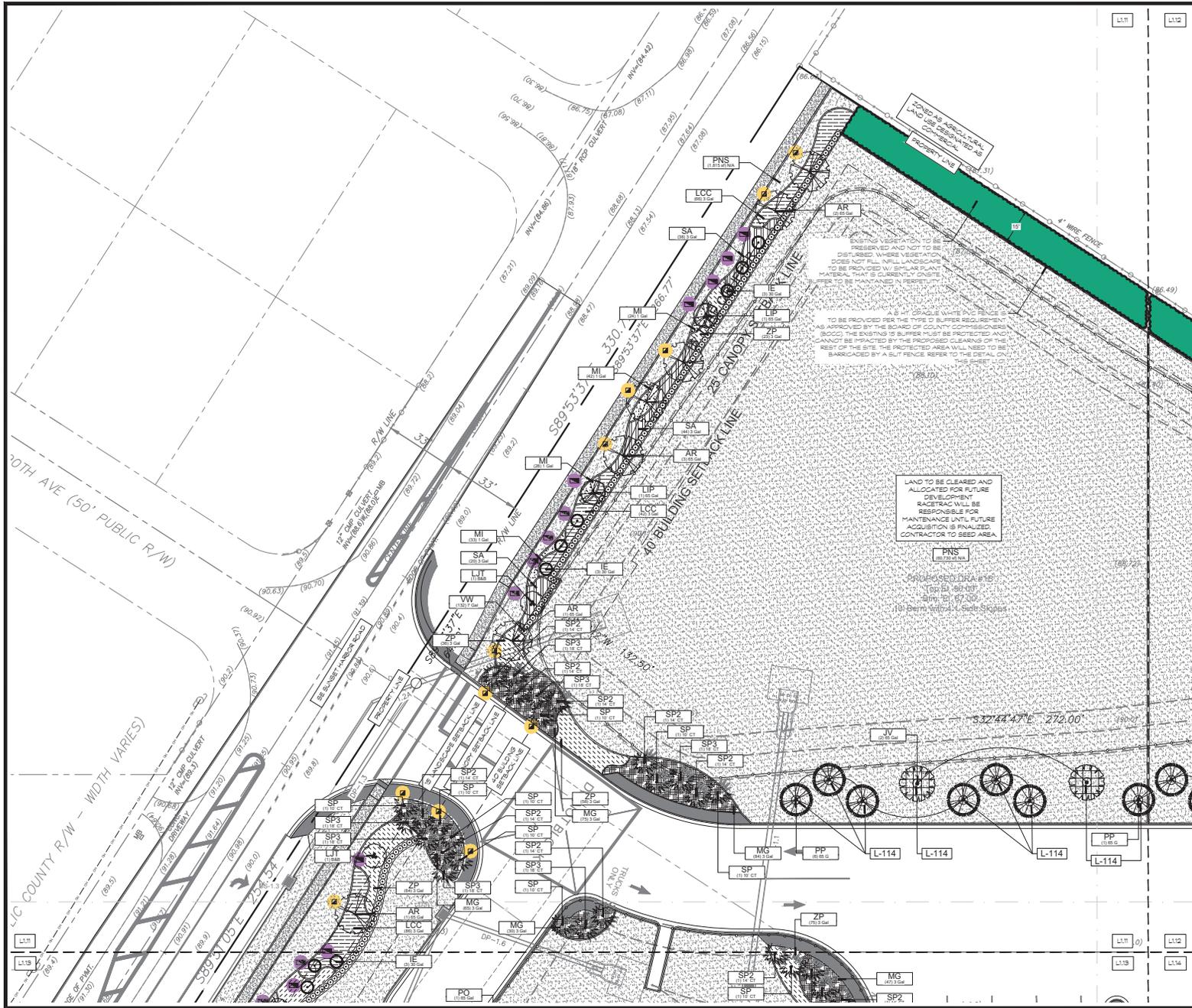


NO.	REVISIONS	BY	DATE

THESE PLANS ARE SUBJECT TO FEDERAL AND STATE REQUIREMENTS WITHOUT ANY USE OF SAME WITHOUT THE WRITTEN PERMISSION OF MILLS DESIGN, INC.

RACETRAC #xxx - Summerfield EDO
 S US Hwy 441 @ SE Sunbelt Harbor Rd.
 SUMMERFIELD, FL Marion County

DATE: 09/20/24
 SCALE: 1" = 50'-0"
 DRAWN BY: AP
 PROJECT NUMBER: 024407
 SHEET NO: L1.02
 VERSION: 0



PLANT SCHEDULE

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

NO.	REVISIONS	BY	DATE



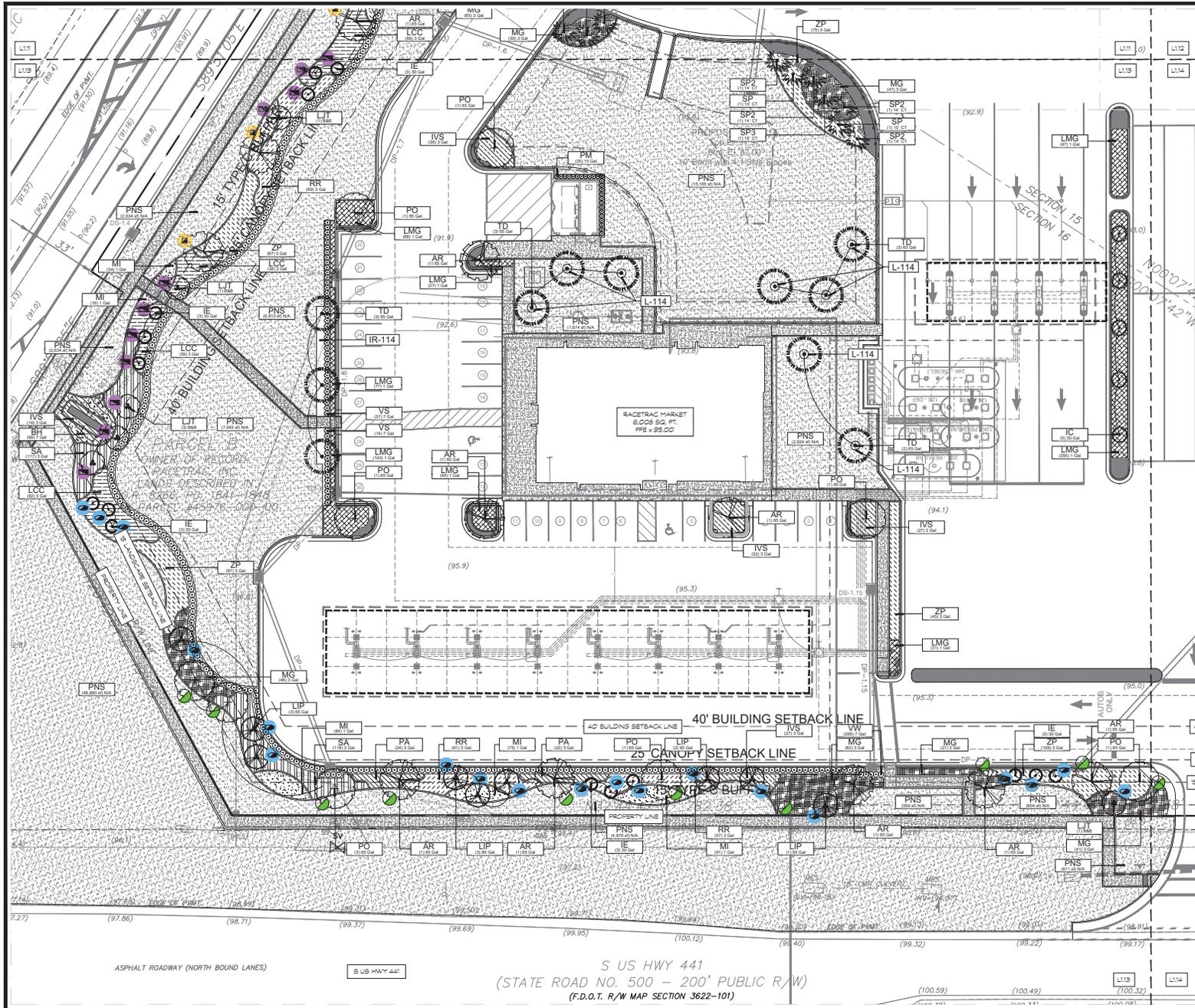
THESE PLANS ARE SUBJECT TO FEDERAL, STATE AND LOCAL REGULATIONS. ANY USE OF SAME WITHOUT THE WRITTEN PERMISSION OF RACETRAC, INC. IS PROHIBITED.



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

DATE: 09/20/24
 SCALE: 1" = 20'-0"
 DRAWN BY: AP
 PROJECT NUMBER: 0244007
 SHEET NO: L1.11
 VERSION: 0





PLANT SCHEDULE

SYMBOL	CODE	BOTANICAL / COMMON NAME
LARGE TREES		
AR		Acer rubrum 'Florida Flame' Florida Flame Red Maple
MB		Magnolia grandiflora 'Bracken's 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
LIT		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		
SH		Bougainvillea x 'Helen Johnson' Compact Bougainvillea
IVS		Ilex vomitoria 'Schlingens' Schlingens Holly
LCC		Loropetalum chinense rubrum 'Red Chocolate' TM Red Chocolate Plum Loropetalum
MG		Muhlenbergia capillaris Pink Malt 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 iddioides African Iris
SOD/SEED		
PNS		Paspalum notatum 'Argentine' Bahia Grass

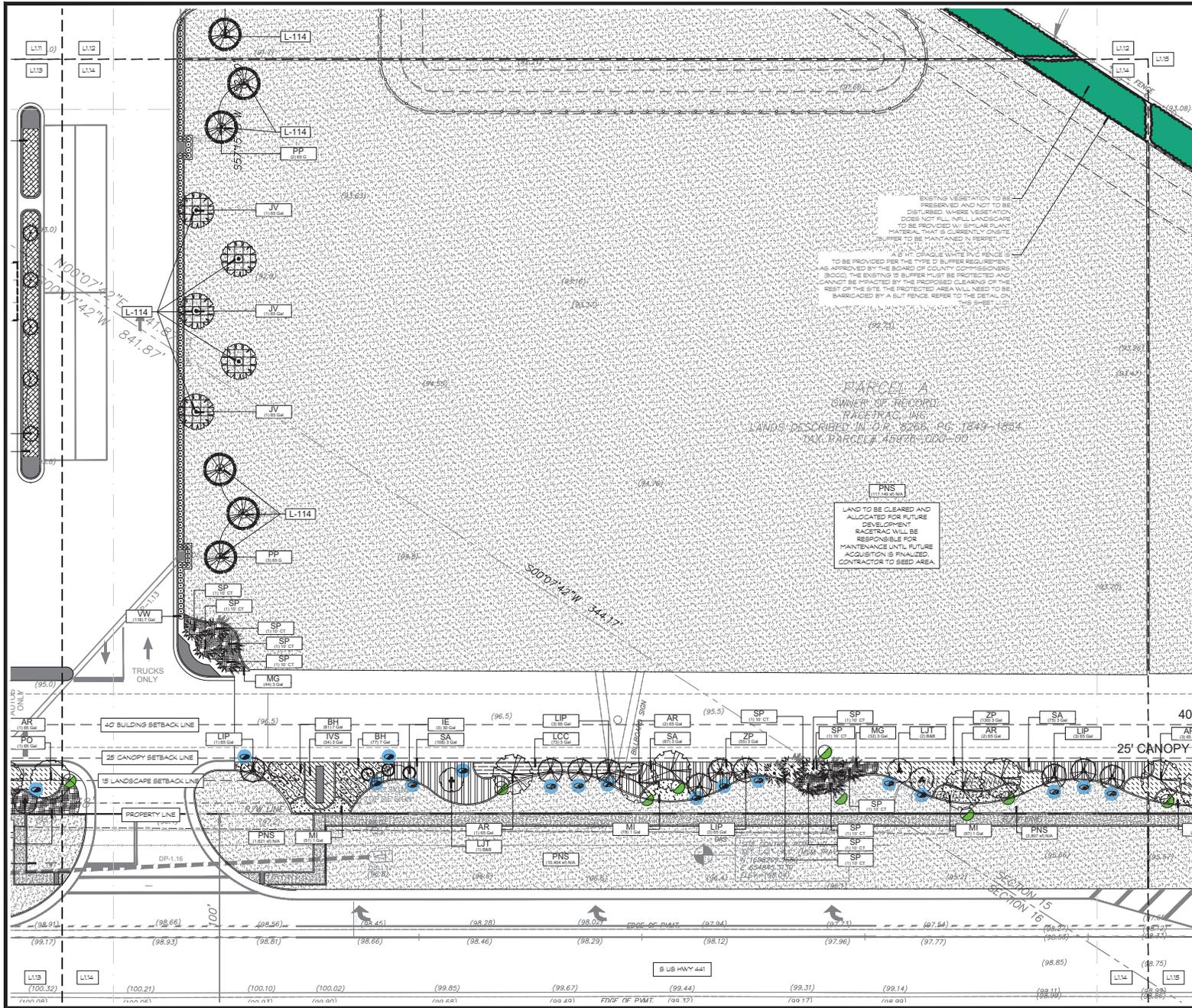
NO.	REVISIONS	BY	DATE



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AND STATE REQUIREMENTS
WITHOUT THE WRITTEN
PERMISSION OF
MILLER DESIGN, INC.
PROHIBITED.

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

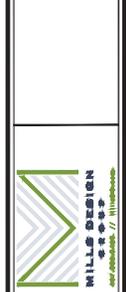
DATE	09/20/24
SCALE	1" = 20'-0"
DRAWN BY	AP
PROJECT NUMBER	024027
SHEET NO.	L1.13
VERSION	0



PLANT SCHEDULE

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

NO.	REVISIONS	BY	DATE

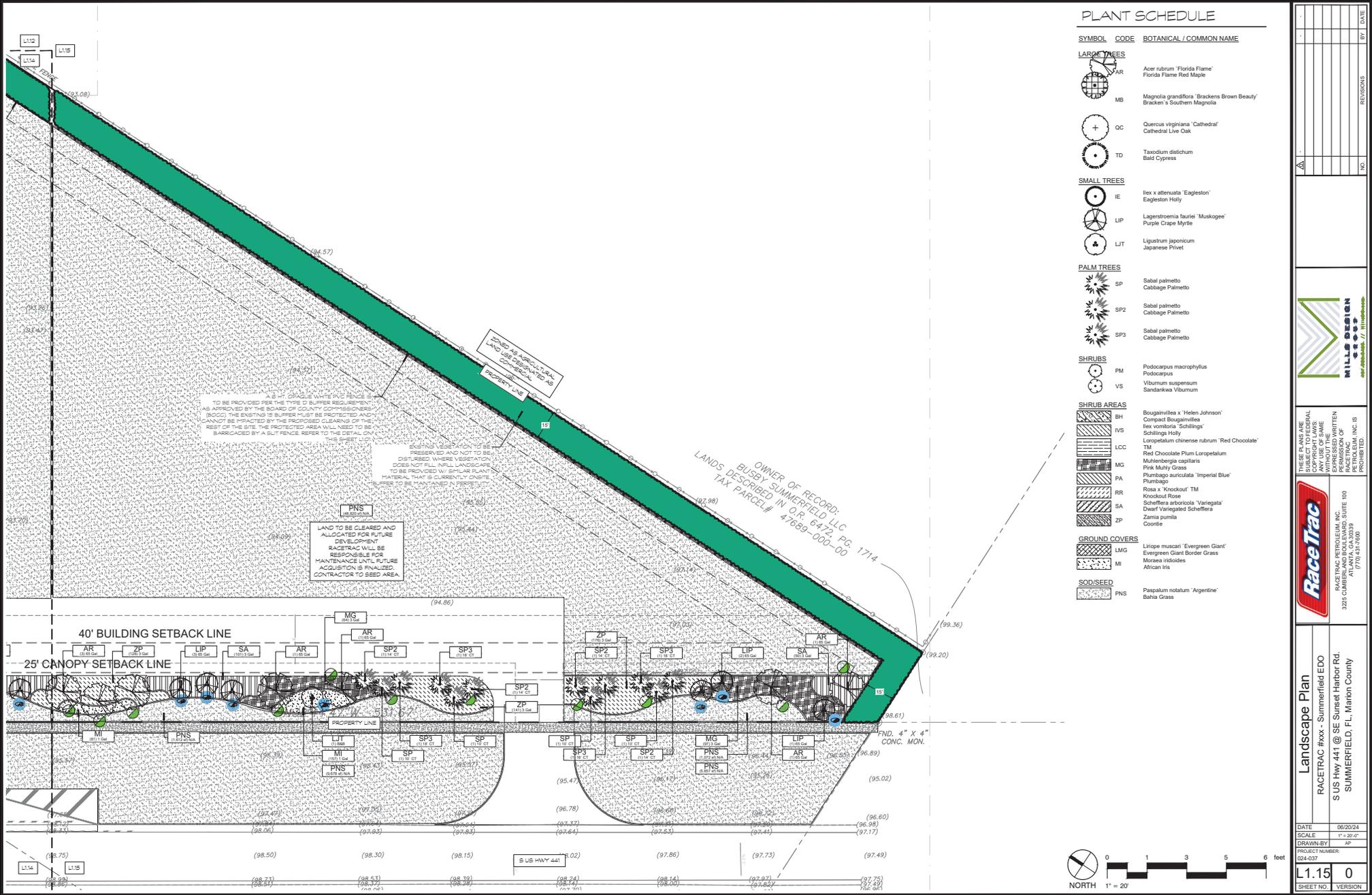


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Landscape Plan
RACETRAC #xxx - Summerfield EDO
S US Hwy 441 @ SE Sunset Harbor Rd.
SUMMERFIELD, FL, Marion County

DATE	09/20/24
SCALE	1" = 20'
DRAWN BY	AP
PROJECT NUMBER	024407
SHEET NO.	L1.14
VERSION	0



PLANT SCHEDULE

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

NO.	REVISIONS	BY	DATE



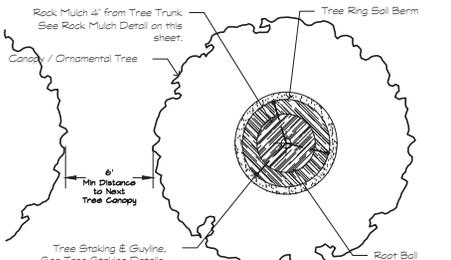
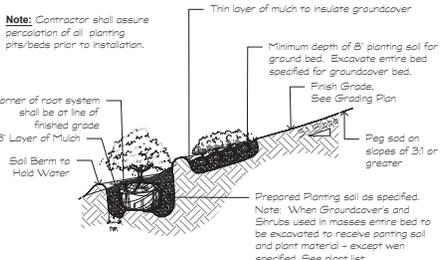
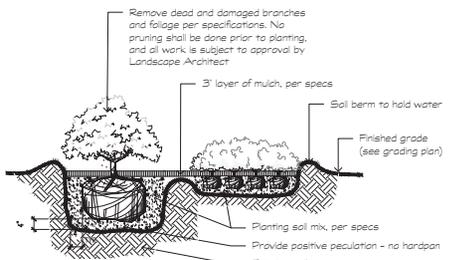
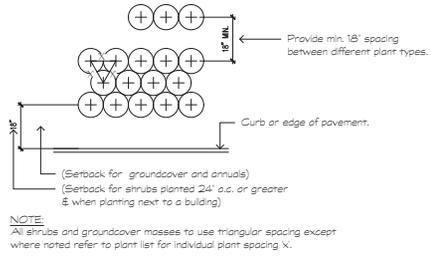
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Landscape Plan
RACETRAC #xxx - Summerfield EDO
S US Hwy 441 @ SE Sunset Harbor Rd.
SUMMERFIELD, FL, Marion County

DATE	08/20/24
SCALE	1" = 20'-0"
DRAWN BY	AP
PROJECT NUMBER	024007
SHEET NO.	L1.15
VERSION	0



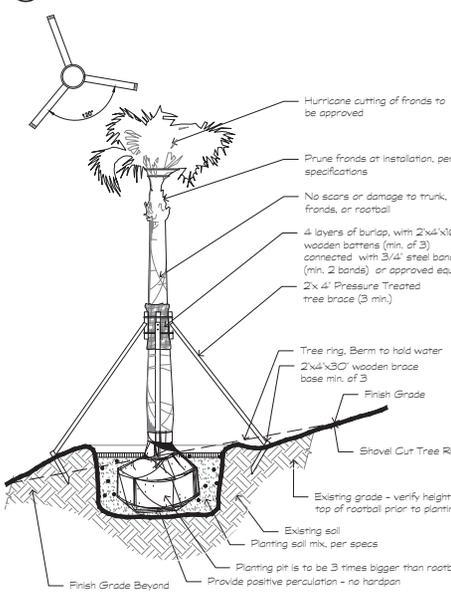
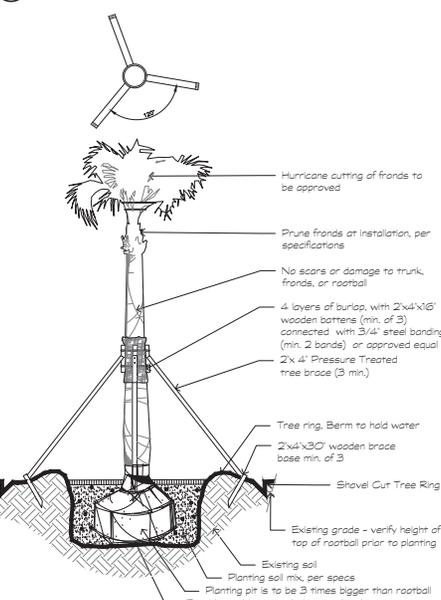
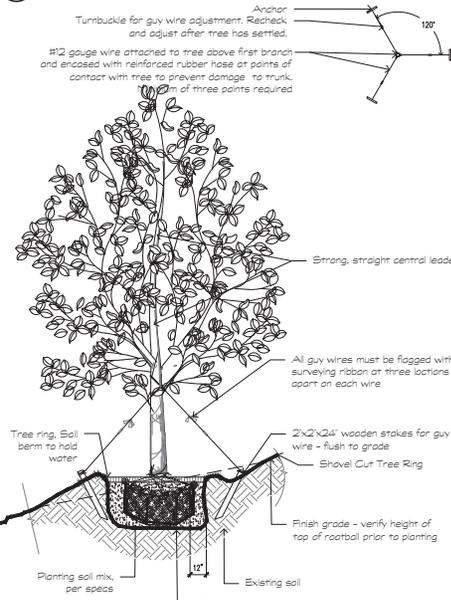
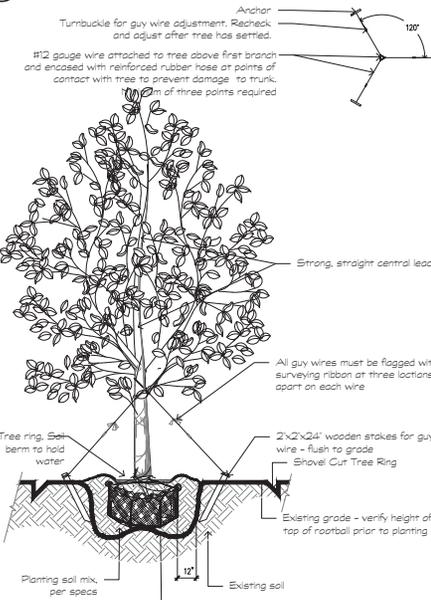


1 SHRUB & GROUND COVER SPACING GUIDE
Scale: NTS

2 SHRUB & GROUND COVER PLANTING DETAIL
Scale: NTS

3 SHRUB AND GROUND COVER ON SLOPE
Scale: NTS

4 MULCHING RING AT TREES
Scale: NTS

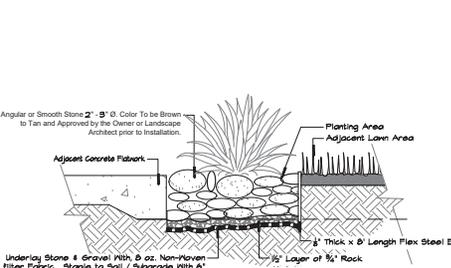
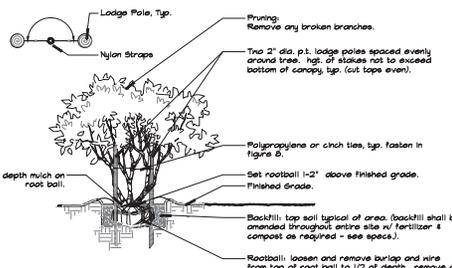


5 TREE STAKING
Scale: NTS

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

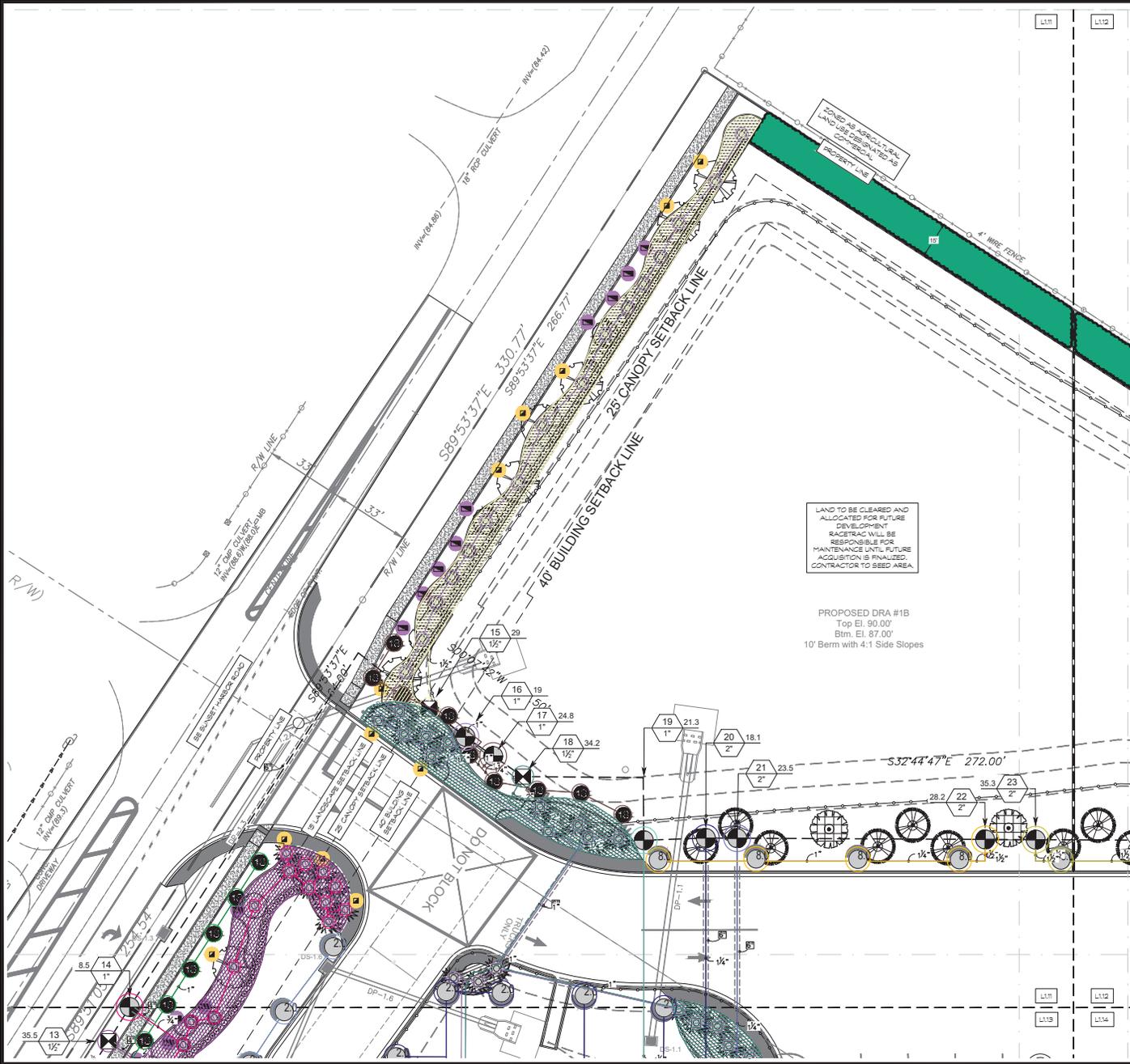


THESE PLANS ARE SUBJECT TO FEDERAL AND STATE REQUIREMENTS. ANY USE OF SAME WITHOUT THE WRITTEN PERMISSION OF MILLER DESIGN GROUP, INC. IS PROHIBITED.



Landscape Details
RACETRAC #xxx - Summerfield EDD
S US Hwy 441 @ SE Sunset Harbor Rd.
SUMMERFIELD, FL, Marion County

DATE	06/20/24
SCALE	N/A
DRAWN BY	AP
PROJECT NUMBER	024437
SHEET NO.	L1.16
VERSION	0



IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	Rain Bird 1806-PRS 15 Series MPR Turf Spray 6.0" Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2" NPT Female Threaded Inlet. Pressure Regulating.
	Rain Bird 1806-PRS ADJ Turf Spray 6.0" Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2" NPT Female Threaded Inlet. Pressure Regulating.
	Rain Bird 1800-1400 Flood 1401 Fixed flow rate (0.25-2.0GPM), full circle bubbler, 1/2" FPT.
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	Rain Bird 5006-PL-PC, FC-R 2.0 Turf Rotor, 6.0" Pop-Up with Plastic Riser. Adjustable and Full Circle. Standard Angle Nozzle, In-Stem Pressure Regulator, and Flow Shut-Off Device.
	Rain Bird 5006-PL-PC, FC-R 6.0 Turf Rotor, 6.0" Pop-Up with Plastic Riser. Adjustable and Full Circle. Standard Angle Nozzle, In-Stem Pressure Regulator, and Flow Shut-Off Device.
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	Rain Bird XEZ-150-PRS-COM High Flow Control Zone Kit for Large Commercial Drip Zones. 1-1/2" PESB Valve with two 1" Pressure Regulating (40psi) Quick-Check Basket Filters. Flow range: 15-40gpm.
	Area to Receive Dripline Rain Bird XFD-06-12 XFD On-Surface Pressure Compensating Landscape Dripline. 0.6 GPH emitters at 12" O.C. Dripline laterals spaced at 12' apart, with emitters offset for triangular pattern. UV Resistant. Specify XF insert fittings.
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	Rain Bird PGA Globe 1", 1-1/2", 2" Electric Remote Control Valve, Globe.
	Rain Bird PGA-PRS-D Angle 2" 1", 1-1/2", 2" Electric Master Valve, Angle. With Pressure Regulator Module.
	Febco 825Y 1-1/2" Reduced Pressure Backflow Preventer
	Rain Bird ESP-2WIRE (120VAC) SD Station 2-Wire, Indoor/Outdoor Controller w/ decoder auto-address. For Residential or Light Commercial Use. LNK WiFi Module and Flow Sensor Ready. Use with 2W-1 single station decoders and standard direct burial wire.
	Rain Bird WR2-RC Wireless Rain Sensor Combo, includes 1 receiver and 1 rain sensor transmitter.
	Water Meter 2" Meter
	Irrigation Lateral Line: PVC Class 200 SDR 21
	Irrigation Mainline: PVC Class 200 SDR 21
	Pipe Sleeve: PVC Class 200 SDR 21
	Valve Callout Valve Number Valve Flow Valve Size

NO.	REVISIONS	BY	DATE



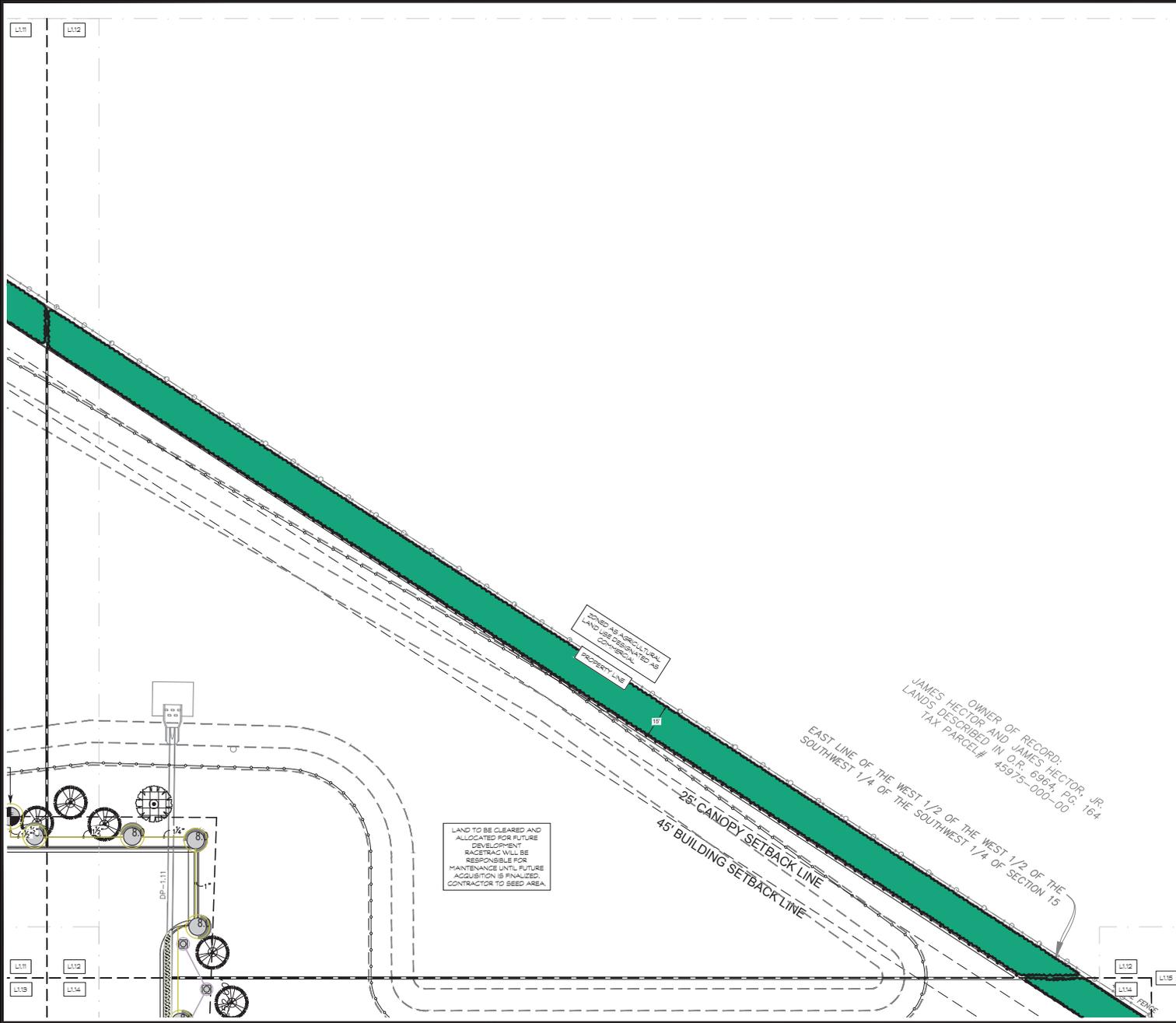
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Irrigation Plan
RACETRAC #xxx - Summerfield EDO
S US Hwy 441 @ SE Sunset Harbor Rd.
SUMMERFIELD, FL, Marion County

DATE	09/23/24
SCALE	1" = 20'-0"
DRAWN-BY	AP
PROJECT NUMBER	024437
SHEET NO.	L2.11
VERSION	0





IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	Rain Bird 1806-PRS 15 Series MPR Tuff Spray 6.0" Pop-Up Sprinkler with Co-Molded Wiper Seal, Side and Bottom Inlet. 1/2" NPT Female Threaded Inlet, Pressure Regulating.
	Rain Bird 1806-PRS ADJ Tuff Spray 6.0" Pop-Up Sprinkler with Co-Molded Wiper Seal, Side and Bottom Inlet. 1/2" NPT Female Threaded Inlet, Pressure Regulating.
	Rain Bird 1800-1400 Flood 1401 Fixed flow rate (0.25-2.0 GPM), full circle bubbler, 1/2" FIPT.
	Rain Bird 5006-PL-PC, FC-R 2.0 Tuff Rotor, 6.0" Pop-Up with Plastic Riser, Adjustable and Full Circle, Standard Angle Nozzle, In-Stem Pressure Regulator, and Flow Shut-Off Device.
	Rain Bird 5006-PL-PC, FC-R 8.0 Tuff Rotor, 6.0" Pop-Up with Plastic Riser, Adjustable and Full Circle, Standard Angle Nozzle, In-Stem Pressure Regulator, and Flow Shut-Off Device.
	Rain Bird XCZ-150-PRB-COM High Flow Control Zone Kit, for Large Commercial Drip Zones. 1-1/2" PESS Valve with two 1" Pressure Regulating (40psi) Quick-Check Basket Filters. Flow range: 15-40gpm.
	Area to Receive DripLine Rain Bird XFD-08-12 XFD On-Surface Pressure Compensating Landscape DripLine, 0.6 GPH emitters at 12" O.C. DripLine laterals spaced at 12" apart, with emitters offset for triangular pattern. UV Resistant. Specify XF insert fittings.
	Rain Bird PGA Globe 1", 1-1/2", 2" Electric Remote Control Valve, Globe.
	Rain Bird PGA-PRS-D Angle 2" 1", 1-1/2", 2" Electric Master Valve, Angle, With Pressure Regulator Module.
	Febco 825Y 1-1/2" Reduced Pressure Backflow Preventer
	Rain Bird ESP-2WIRE (120VAC) 50 Station 2-Wire, Indoor/Outdoor Controller w/ decoder auto-address. For Residential or Light Commercial Use. LNK WiFi Module and Flow Sensor Ready. Use with ZW-1 single station decoders and standard direct burial wire.
	Rain Bird WR2-RC Wireless Rain Sensor Combo, includes 1 receiver and 1 rain sensor transmitter.
	Water Meter 2" Meter
	Irrigation Lateral Line: PVC Class 200 SDR 21
	Irrigation Mainline: PVC Class 200 SDR 21
	Pipe Sleeve: PVC Class 200 SDR 21
	Valve Callout Valve Number Valve Flow Valve Size

NO.	REVISIONS	BY	DATE



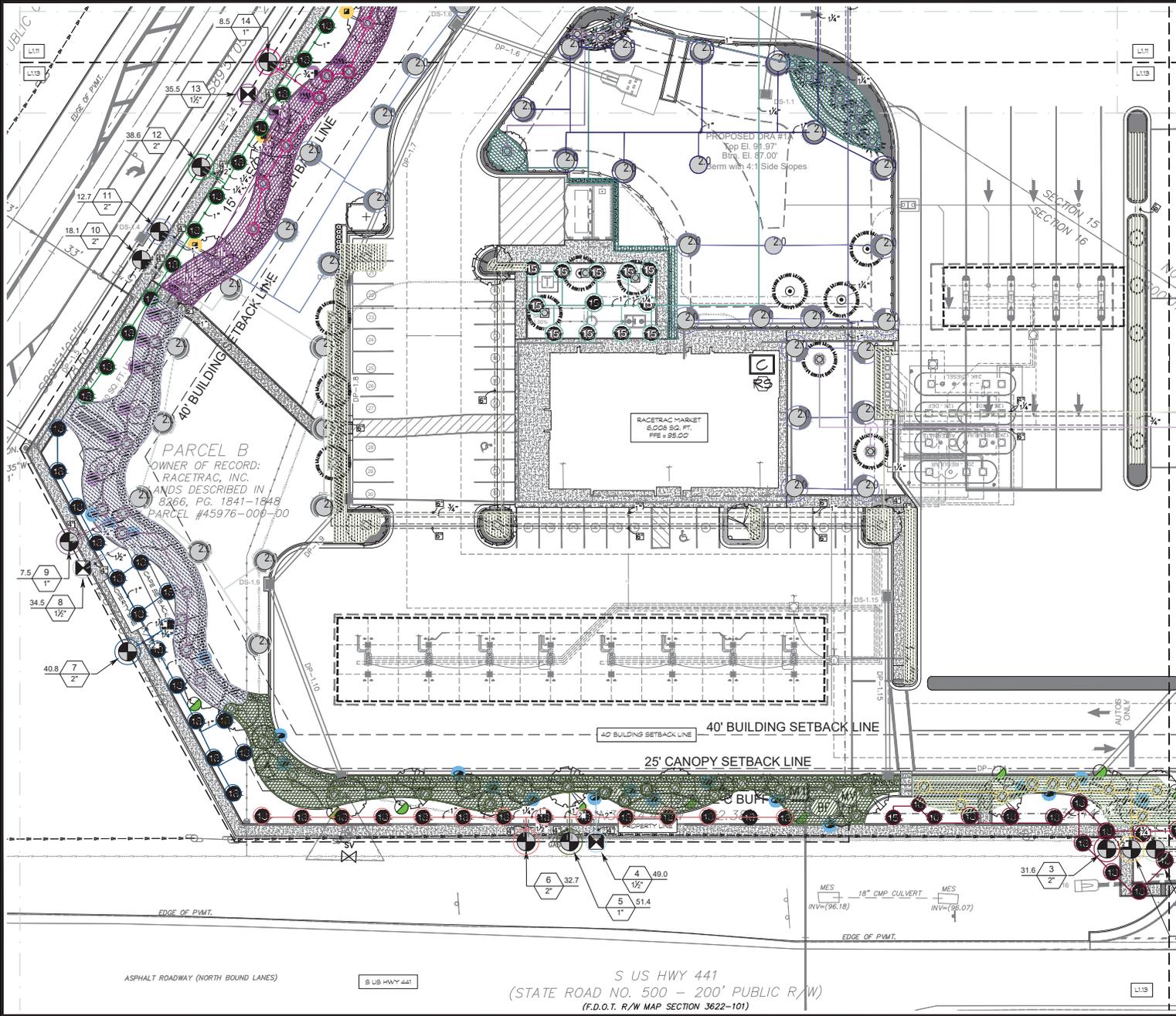
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RaceTrac
 RACETRAC, BETHEL BLVD, INC.
 3225 CLAMEN AND BOWLEARD, SUITE 100
 ATLANTA, GA 30339
 (770) 451-7600

Irrigation Plan
 RACETRAC #xxx - Summerfield EDO
 S US Hwy 441 @ SE Sunset Harbor Rd.
 SUMMERFIELD, FL, Marion County

DATE	09/20/24
SCALE	1" = 20'-0"
DRAWN-BY	AP
PROJECT NUMBER	024437
SHEET NO.	L2.22
VERSION	0





IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	Rain Bird 1806-PRS 15 Series MPR Turf Sprinkler 6.0' Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2" NPT Female Threated Inlet. Pressure Regulating.
	Rain Bird 1806-PRS ADJ Turf Sprinkler 6.0' Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2" NPT Female Threated Inlet. Pressure Regulating.
	Rain Bird 1800-1400 Flood 1401 Fixed flow rate (0.25-2.0GPM), full circle bubbler, 1/2" FIPT.
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	Rain Bird 5006-PL-PC, FC-R 2.0 Turf Rotor, 6.0' Pop-Up with Plastic Riser, Adjustable and Full Circle, Standard Angle Nozzle, In-Stem Pressure Regulator, and Flow Shut-Off Device.
	Rain Bird 5006-PL-PC, FC-R 8.0 Turf Rotor, 6.0' Pop-Up with Plastic Riser, Adjustable and Full Circle, Standard Angle Nozzle, In-Stem Pressure Regulator, and Flow Shut-Off Device.
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	Rain Bird XC2-150-PRS-COM High Flow Control Zone Kit, for Large Commercial Drip Zones.
	1-1/2" PESB Valve with two 1" Pressure Regulating (40psi) Quick-Check Basket Filters. Flow range: 15-40gpm.
	Area to Receive Dripline
	Rain Bird XFD-06-12 XFID On-Surface Pressure Compensating Landscape Dripline. 0.6 GPH emitters at 12" O.C. Dripline laterals spaced at 12" apart, with emitters offset for triangular pattern. UV Resistant. Specify XF insert fittings.
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	Rain Bird PGA Globe 1", 1-1/2", 2" Electric Remote Control Valve, Globe.
	Rain Bird PGA-PRS-D Angle 2" 1", 1-1/2", 2" Electric Master Valve, Angle, With Pressure Regulator Module.
	Febco 825V 1-1/2" Reduced Pressure Backflow Preventer
	Rain Bird ESP-2WIRE (120V AC) 50 Station 2-Wire, Indoor/Outdoor Controller w/ decoder auto-address. For Residential or Light Commercial Use. LNK WiFi Module and Flow Sensor Ready. Use with 2W-1 single station decoders and standard direct burial wire.
	Rain Bird WR2-RC Wireless Rain Sensor Combo, includes 1 receiver and 1 rain sensor transmitter.
	Water Meter 2" Meter
	Irrigation Lateral Line: PVC Class 200 SDR 21
	Irrigation Mainline: PVC Class 200 SDR 21
	Pipe Sleeve: PVC Class 200 SDR 21
	Valve Callout Valve Number Valve Flow Valve Size

NO.	REVISIONS	BY	DATE

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AND STATE LAWS,
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PETROLIUM, INC.

www.millerdesign.com
770-431-6100

RACETRAC, BETHEL BLVD., INC.
3225 CLAMEN AND BOWLELAND, SUITE 100
ATLANTA, GA 30339
(770) 431-6100

Irrigation Plan
RACETRAC #xxx - Summerfield EDO
S US Hwy 441 @ SE Sunset Harbor Rd.
SUMMERFIELD, FL, Marion County

DATE	09/20/24
SCALE	1" = 20'-0"
DRAWN-BY	AP
PROJECT NUMBER	024437
SHEET NO.	L2.13
VERSION	0



ASPHALT ROADWAY (NORTH BOUND LANES)

S US HWY 441

S US HWY 441
(STATE ROAD NO. 500 - 200' PUBLIC R/W)
(F.D.O.T. R/W MAP SECTION 3622-101)

IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	Rain Bird 1806-PRS 15 Series MPR Tuff Spray 6.0" Pop-Up Sprinkler with Co-Molded Wiper Seal, Side and Bottom Inlet, 1/2" NPT Female Threaded Inlet, Pressure Regulating.
	Rain Bird 1806-PRS ADJ Tuff Spray 6.0" Pop-Up Sprinkler with Co-Molded Wiper Seal, Side and Bottom Inlet, 1/2" NPT Female Threaded Inlet, Pressure Regulating.
	Rain Bird 1500-1400 Flood 1401 Fixed flow rate (0.25-0.25GPM), full circle bubbler, 1/2" FPT.
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	Rain Bird 5906-PL-FC FC-R 2.0 Tuff Rotor, 6.0" Pop-Up with Plastic Riser, Adjustable and Full Circle, Standard Angle Nozzle, In-Stem Pressure Regulator, and Flow Shut-Off Device.
	Rain Bird 5906-PL-FC FC-R 8.0 Tuff Rotor, 6.0" Pop-Up with Plastic Riser, Adjustable and Full Circle, Standard Angle Nozzle, In-Stem Pressure Regulator, and Flow Shut-Off Device.
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	Rain Bird XCC-150-PRB-COM High Flow Control Zone Kit for Large Commercial Drip Zones, 1-1/2" PESB Valve with two 1" Pressure Regulating (40psi) Quick-Check Basket Filters, Flow range: 15-40gpm.
	Area to Receive DripLine
	Rain Bird XFD-06-12 XFD On-Surface Pressure Compensating Landscape DripLine, 0.6 GPH emitters at 12" O.C. DripLine laterals spaced at 12" apart, with emitters offset for triangular pattern, UV Resistant, Specify XP Insert fittings.
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	Rain Bird PGA Globe
	1", 1-1/2", 2" Electric Remote Control Valve, Globe.
	Rain Bird PGA-PRS-D Angle 2", 1", 1-1/2", 2" Electric Master Valve, Angle, With Pressure Regulator Module.
	Febco 825V 1-1/2" Reduced Pressure Backflow Preventer
	Rain Bird ESP-2WIRE (120VAC) 50 Station 2-Wire, Indoor/Outdoor Controller w/ decoder auto-address. For Residential or Light Commercial Use. LNK WiFi Module and Flow Sensor Ready. Use with 2W-1 single station decoders and standard direct burial wire.
	Rain Bird WR2-RC Wireless Rain Sensor Combo, includes 1 receiver and 1 rain sensor transmitter.
	Water Meter 2" Meter
	Irrigation Lateral Line: PVC Class 200 SDR 21
	Irrigation Mainline: PVC Class 200 SDR 21
	Pipe Sleeve: PVC Class 200 SDR 21



NO.	REVISIONS	BY	DATE

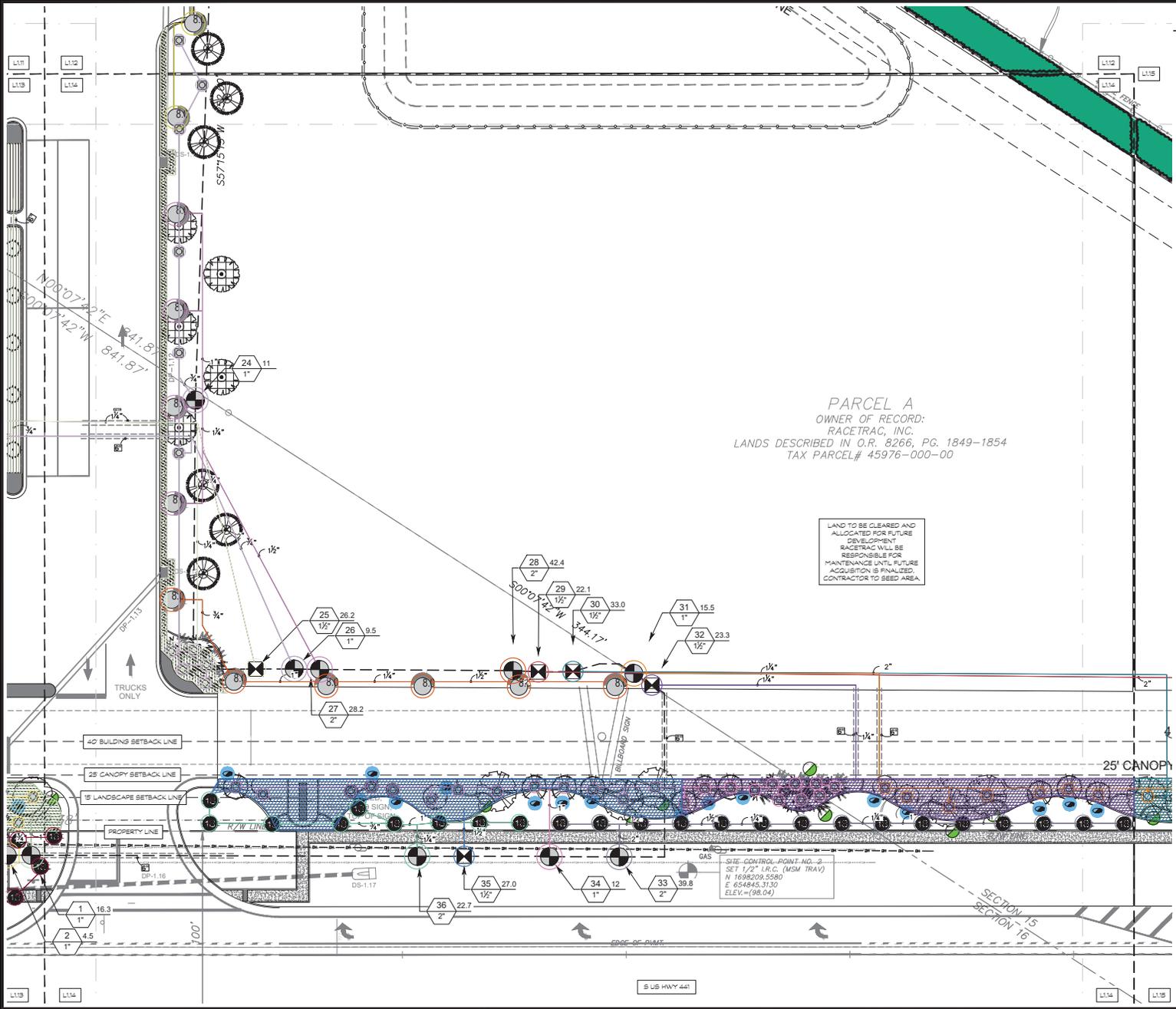


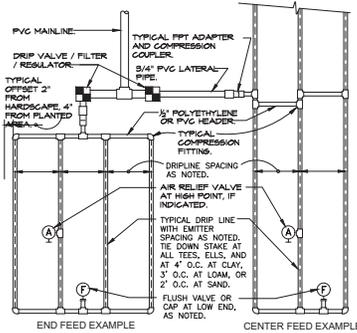
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 PETROLIUM, INC.
 PROHIBITED.



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

DATE	08/20/24
SCALE	1" = 20'-0"
DRAWN-BY	AP
PROJECT NUMBER	024437
SHEET NO.	L2.14
VERSION	0



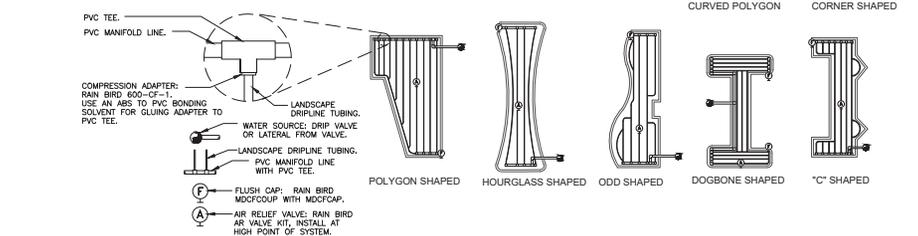


PSI	EMITTER FLOW RATE GPH		
	12" SPACING	18" SPACING	24" SPACING
10	125	96	175
20	249	191	350
30	373	286	524
40	500	380	700
50	625	475	875
60	750	570	1050

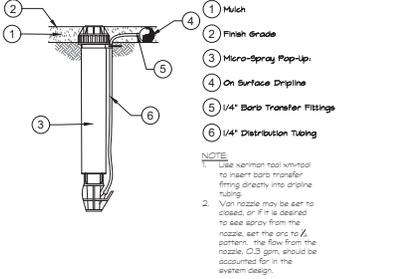
EMITTER SPACING	LATERAL SPACING		EMITTER FLOW RATE	
	12"	18"	0.6	0.9
12	12	24	0.96	1.44
18	18	24	1.68	2.52
24	24	24	2.40	3.60

EMITTER SPACING	LATERAL SPACING		EMITTER FLOW RATE	
	12"	18"	0.6	0.9
12	12	24	0.96	1.44
18	18	24	1.68	2.52
24	24	24	2.40	3.60

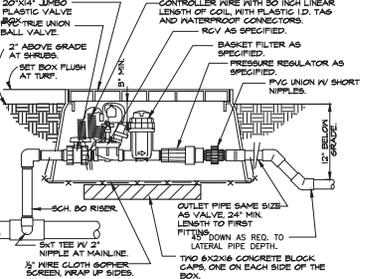
SLOPED CONDITION NOTE:
 1. DRIPLINE LATERALS SHOULD FOLLOW THE CONTOURS OF THE SLOPE WHENEVER POSSIBLE.
 2. INSTALL AIR RELIEF VALVE AT HIGHEST POINT.
 3. NORMAL SPACING WITHIN THE TOP 5% OF SLOPE.
 4. INSTALL DRIPLINE AT 25% GREATER SPACING AT THE BOTTOM 5% OF THE SLOPE.
 5. WHEN ELEVATION CHANGE IS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



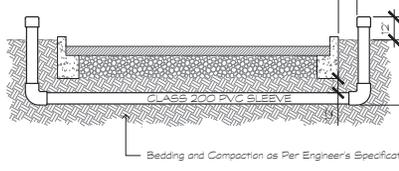
1 TYPICAL RAIN BIRD DRIPLINE REQUIREMENTS
 NTS RTD-IR-DR-01



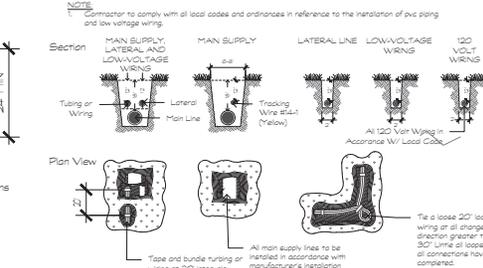
2 DRIPLINE OPERATION INDICATOR
 NTS RTD-IR-DR-03



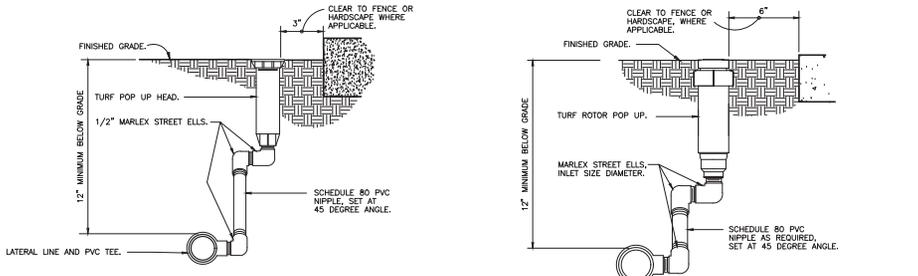
3 1" DRIP VALVE W/BASKET FILTER
 NTS RTD-IR-DR-10



4 SLEEVING
 NTS RTD-IR-EG-01

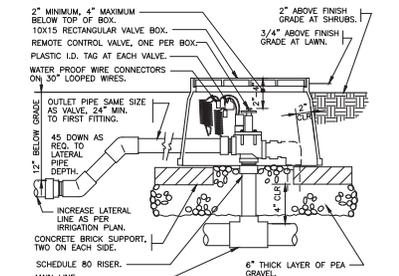


5 TRENCHING
 NTS RTD-IR-EG-11

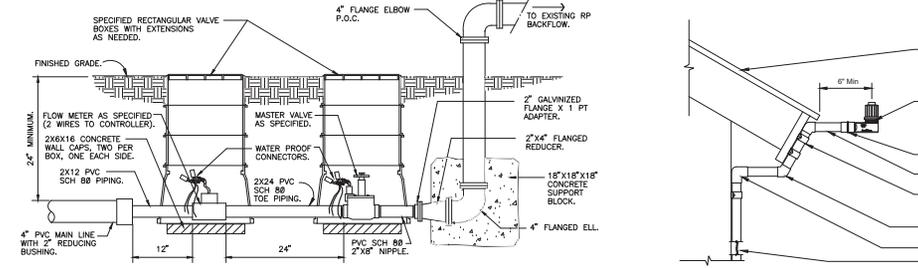


6 TURF SPRAY MARLEX ASSEMBLY
 3" x 11-0" RTD-IR-IH-01

7 TURF ROTOR MARLEX ASSEMBLY
 3" x 11-0" RTD-IR-IH-03

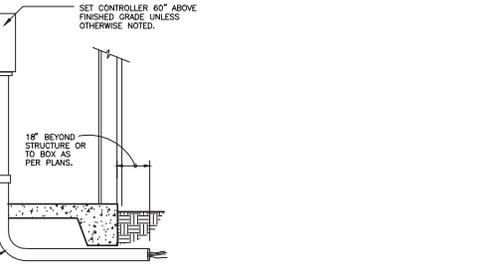
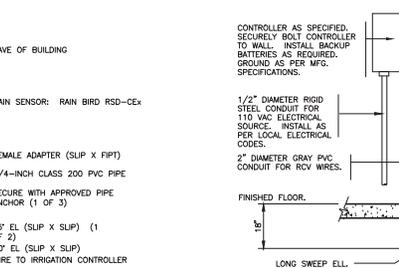


8 ELECTRIC REMOTE CONTROL VALVE
 NTS RTD-IR-IV-01



9 MASTER CONTROL VALVE AND FLOW SENSOR ASSEMBLY
 1" x 11-0" RTD-IR-IV-03

10 RAIN SENSOR / WEATHER CONTROLLER
 NTS RTD-IR-EG-02



11 INTERIOR WALL MOUNT CONTROLLER
 1" x 11-0" RTD-IR-EG-01

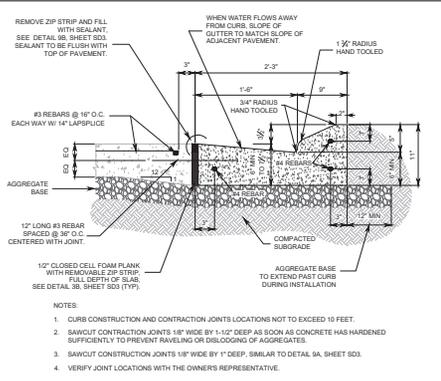
NO.	REVISIONS	BY	DATE



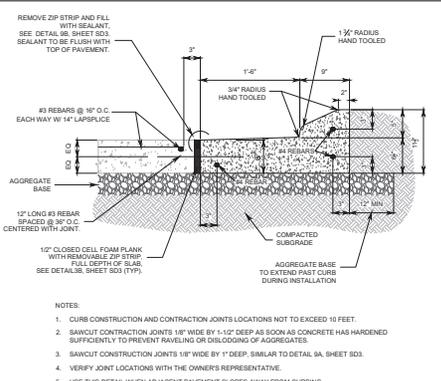
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RaceTrac
 RACETRAC #xxx - Summerfield EDO
 SUS Hwy 441 @ SE Sunset Harbor Rd.
 SUMMERFIELD, FL Marion County

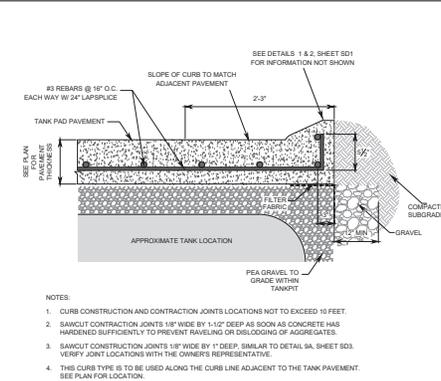
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SCALE	N/A
DRAWN BY	AP
PROJECT NUMBER	024307
SHEET NO	0
VERSION	



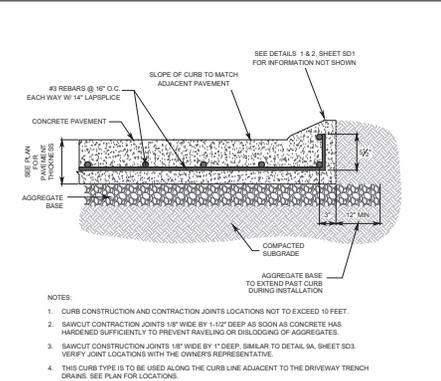
1 CATCH CURB DETAIL @ CONCRETE SLAB
SD1 NTS



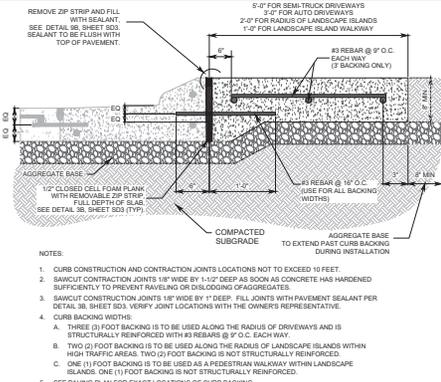
2 SHED CURB DETAIL @ CONCRETE SLAB
SD1 NTS



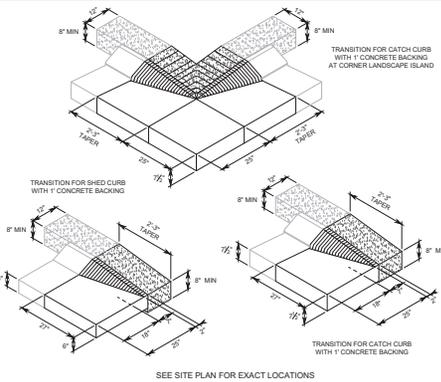
3 TANK AREA CURB DETAIL
SD1 NTS



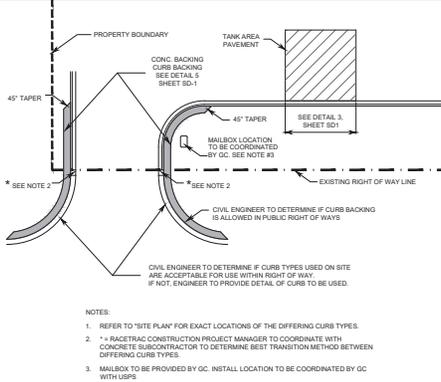
4 MONOLITHIC CURB DETAIL
SD1 NTS



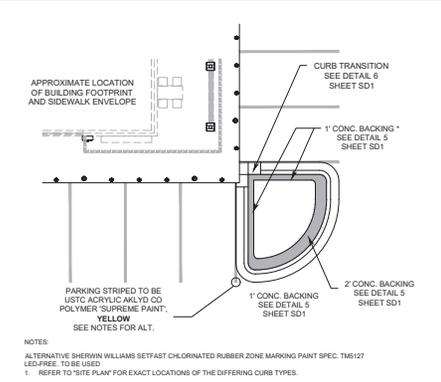
5 CONCRETE BACKING FOR ON-SITE CURB
SD1 NTS



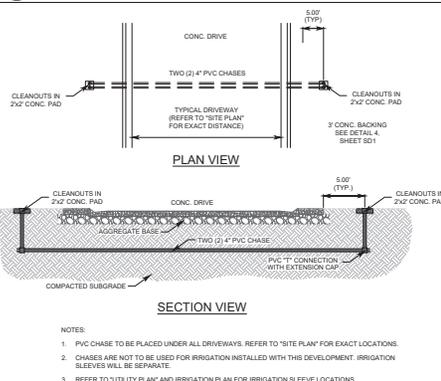
6 CURB TRANSITION DETAILS
SD1 NTS



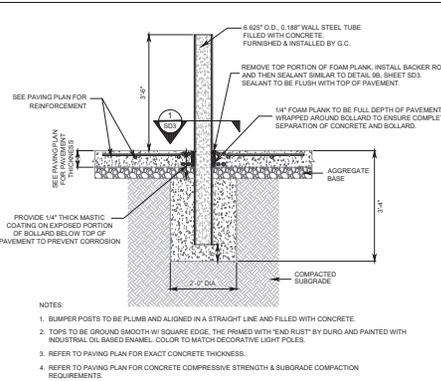
7 CURB LAYOUT PLAN VIEW
SD1 NTS



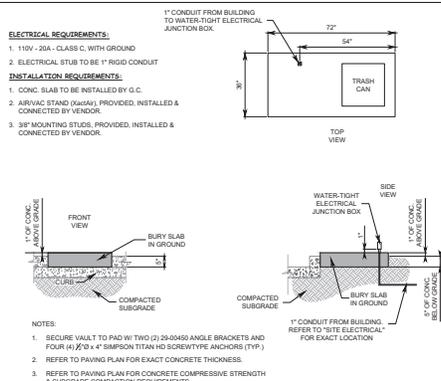
8 CONCRETE BACKING & AUTO COURT PAINT DETAIL
SD1 NTS



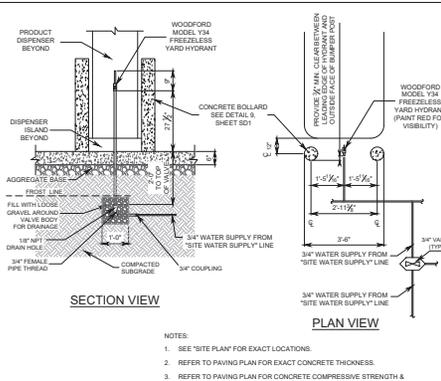
9 PVC CHASE DETAIL
SD1 NTS



10 CANOPY BOLLARD DETAIL
SD1 NTS



11 AIR/VAC SERVICE DETAIL
SD1 NTS



12 YARD HYDRANT DETAIL
SD1 NTS

NO.	DATE	REVISION
1	8-12-23	RT STANDARD DETAILS 2024

STANDARD DETAILS	PROJECT NAME / INTERSECTION
Address	City, State
County	

DRAWN BY	WPCD
DATE	8/15/2024
SCALE	
DRAWING NAME	RT Standard Details (2024).dwg
SHEET NO.	SD1
VERSION	

GENERAL CONCRETE PAVEMENT NOTES

- VERIFY ALL FIELD AND BAY CONDITIONS WHICH AFFECT NEW CONSTRUCTION PRIOR TO SUBMISSION OF SHOP DRAWINGS AND ANY FABRICATION.
- ENGINEER'S SUPERVISION OF THIS WORK IS LIMITED TO THE DATE OF THIS DRAWING BEING ISSUED. THEREAFTER, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL MATERIALS AND EQUIPMENT FROM WEATHER, VIBRATION, AND OTHER CONDITIONS.

PAVEMENT SUBGRADE AND BASE NOTES

- ENGINEER TESTING AGENCY VERIFIES THE SUBGRADE IS COMPACTED TO THE SPECIFIED MAXIMUM DRY DENSITY AS DETERMINED BY THE GEOTECHNICAL ENGINEER. RECORD TEST RESULTS TO THE OWNERS REPRESENTATIVE STATING THAT THE REQUIREMENTS HAVE BEEN FULFILLED.
- ENGINEER TESTING AGENCY EVALUATES THE SUBGRADE BY PROCEEDING PROFILES TO BE DONE BY A FULLY LICENSED ENGINEER. THE ENGINEER'S SUPERVISION OF THIS WORK IS LIMITED TO THE DATE OF THIS DRAWING BEING ISSUED. THEREAFTER, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL MATERIALS AND EQUIPMENT FROM WEATHER, VIBRATION, AND OTHER CONDITIONS.

CONCRETE PAVEMENT NOTES

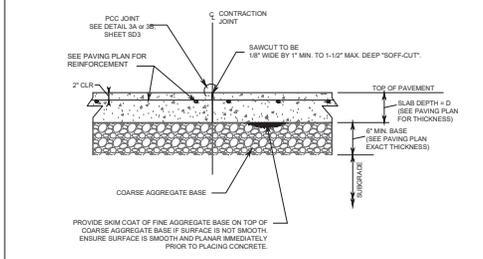
- CONFORM TO ALL CITY AND STATE CODES AND ALL APPLICABLE STANDARDS. PROVIDE ALL MATERIALS AND EQUIPMENT TO BE USED IN THE CONSTRUCTION OF THIS WORK.
- CONFORM TO ALL CITY AND STATE CODES AND ALL APPLICABLE STANDARDS. PROVIDE ALL MATERIALS AND EQUIPMENT TO BE USED IN THE CONSTRUCTION OF THIS WORK.

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

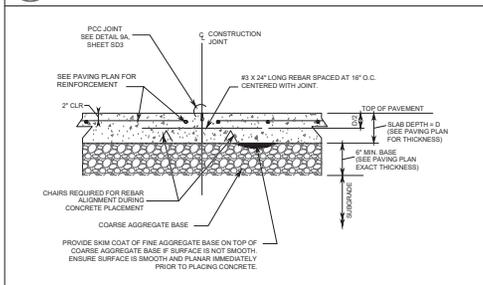
SULFATE EXPOSURE	WATER SOLUBLE SULFATE (SO ₄) IN WATER PPM	SULFATE (SO ₄) IN WATER PPM	PORTLAND CEMENT TYPE	MAXIMUM W/C RATIO	CONCRETE PAVEMENTS
NEGLECTIBLE	0.00 < SO ₄ < 0.10	0 < SO ₄ < 150	I	0.55	3500
MODERATE	0.10 < SO ₄ < 0.20	150 < SO ₄ < 1500	II	0.50	4000
SEVERE	0.20 < SO ₄ < 2.00	1500 < SO ₄ < 10,000	V	0.45	4500
VERY SEVERE	SO ₄ > 2.00	SO ₄ > 10,000	V PLUS POZZOLAN	0.40	5000

NOTE TO CIVIL ENGINEERING COMPANY

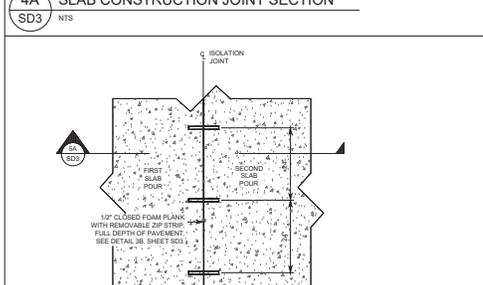
TYPICALLY USE "MODERATE" EXPOSURE FROM TABLE. CONTACT EPM IF EXPOSURE CLASS SHOULD BE CHANGED.



1 SD3 NTS



2 SD3 NTS



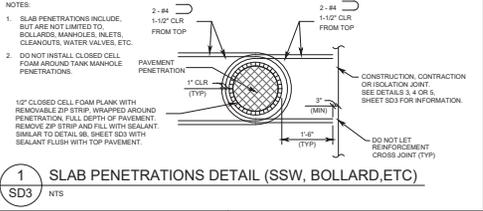
3 SD3 NTS



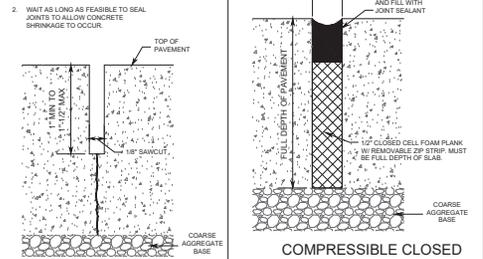
4 SD3 NTS



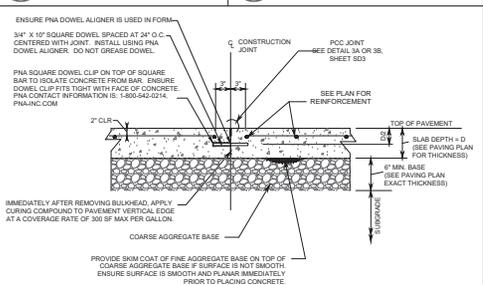
5 SD3 NTS



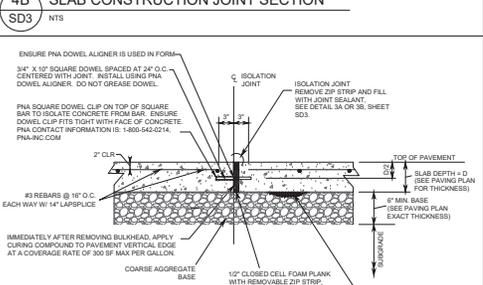
1 SD3 NTS



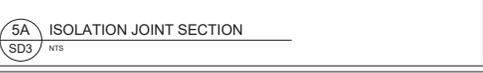
3A SD3 NTS



4 SD3 NTS



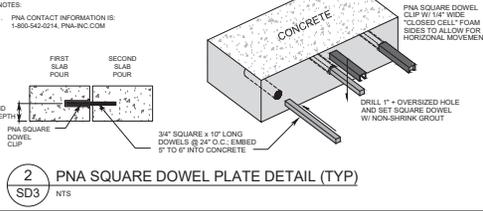
4B SD3 NTS



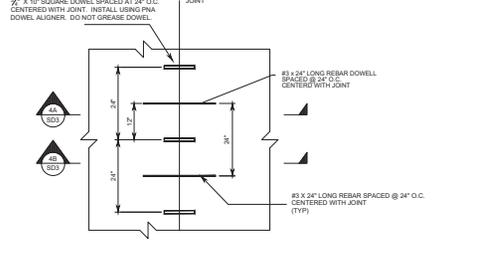
5A SD3 NTS



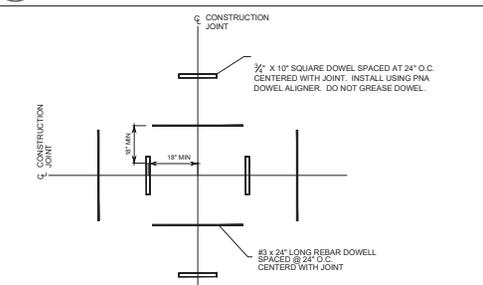
5B SD3 NTS



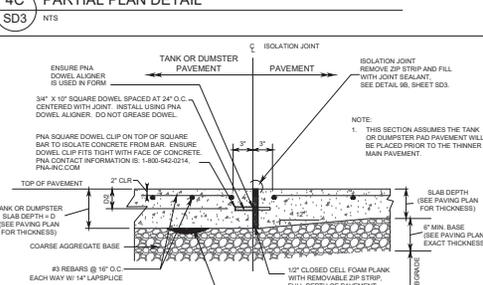
2 SD3 NTS



4 SD3 NTS



4C SD3 NTS



5 SD3 NTS



5 SD3 NTS

NO.	DATE	REVISION
1	8-16-23	REVISED DETAILS 2024

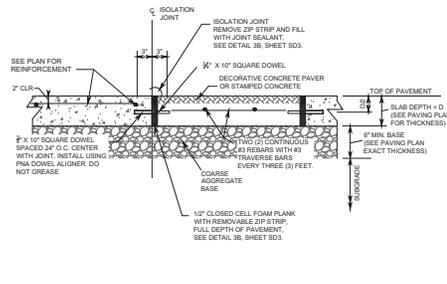
NO.	DATE	REVISION
1	8-16-23	REVISED DETAILS 2024

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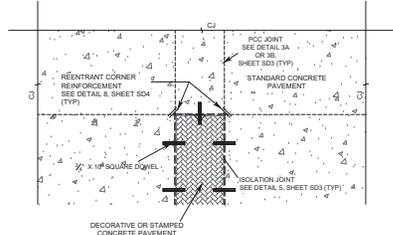
PROJECT NAME / INTERSECTION
 Address
 City, State
 County

DRAWN BY: _____
 DATE: _____
 SCALE: _____
 DRAWING NAME: _____
 SD3
 SHEET NO. / VERSION



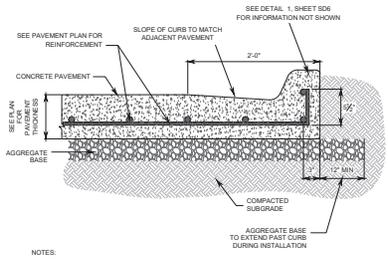
1 DECORATIVE PAVER SECTION DETAIL

SD5 NTS



2 DECORATIVE PAVER PARTIAL PLAN

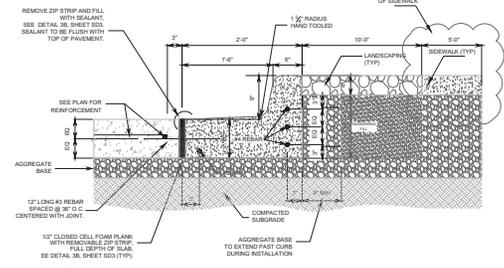
SD5 NTS



3 MONOLITHIC CURB (L-BACK) DETAIL

SD5 NTS

- NOTES:
1. CURB CONSTRUCTION AND CONTRACTION JOINTS LOCATIONS NOT TO EXCEED 10 FEET.
 2. SAWCUT CONTRACTION JOINTS 1/8" WIDE BY 1-1/2" DEEP AS SOON AS CONCRETE HAS HARDENED SUFFICIENTLY TO PREVENT RAVELING OR DISLODGING OF AGGREGATES.
 3. SAWCUT CONTRACTION JOINTS 1/8" WIDE BY 1" DEEP, SIMILAR TO DETAIL 9A, SHEET SD3. VERIFY JOINT LOCATIONS WITH THE OWNER'S REPRESENTATIVE.
 4. THIS CURB TYPE IS TO BE USED ALONG THE CURB LINE ADJACENT TO THE DRIVEWAY TRENCH DRAINS. SEE PLAN FOR LOCATIONS.



4 TRUCK PARKING CURB

SD5 NTS

- NOTES:
1. CURB CONSTRUCTION AND CONTRACTION JOINTS LOCATIONS NOT TO EXCEED 10 FEET.
 2. SAWCUT CONTRACTION JOINTS 1/8" WIDE BY 1-1/2" DEEP AS SOON AS CONCRETE HAS HARDENED SUFFICIENTLY TO PREVENT RAVELING OR DISLODGING OF AGGREGATES.
 3. SAWCUT CONTRACTION JOINTS 1/8" WIDE BY 1" DEEP, SIMILAR TO DETAIL 3A, SHEET SD3.
 4. VERIFY JOINT LOCATIONS WITH THE OWNER'S REPRESENTATIVE.
 5. USE THIS DETAIL WHEN ADJACENT PAVEMENT SLOPES AWAY FROM CURBING.
 6. DETAIL ONLY TO BE USED FOR THE BACK CURB OF TRUCK PARKING AREAS, NOT ALONG THE SIDES.

DATE	8-12-23
NO.	1
RT STANDARD DETAILS 2024	

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STANDARD DETAILS	PROJECT NAME / INTERSECTION
Address	City, State
County	
DRAWN BY	WPC06
DATE	8/15/2024
SCALE	
DRAWING NAME	RT Standard Details (2024).dwg
SD5	
SHEET NO.	VERSION

