

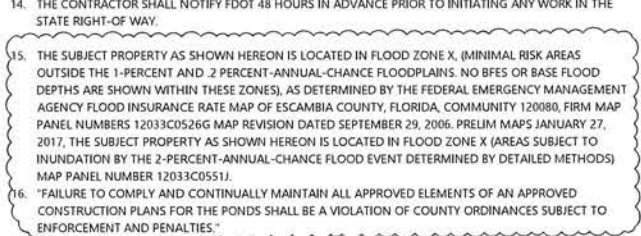
1. ALL DELETERIOUS SUBSURFACE MATERIAL (I.E. MUCK, PEAT, BURIED DEBRIS) SHALL BE EXCAVATED IN ACCORDANCE WITH THESE PLANS OR AS DIRECTED BY THE OWNER, THE ENGINEER, OR OWNER'S SOIL TESTING COMPANY. DELETERIOUS MATERIAL SHALL BE REMOVED FROM THE SITE AS DIRECTED BY THE OWNER. EXCAVATED AREAS ARE TO BE BACKFILLED WITH APPROVED MATERIALS AND COMPACTED AS SHOWN ON THESE PLANS. CONTRACTOR IS RESPONSIBLE FOR ACQUIRING ANY PERMITS THAT ARE NECESSARY FOR REMOVING DELETERIOUS MATERIAL FROM THE SITE.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXCAVATIONS AGAINST COLLAPSE AND WILL PROVIDE BRACING, SHEETING OR SHORING AS NECESSARY.
3. Dewatering methods shall be used as required to keep trenches dry while pipe and appurtenances are being placed.
4. ALL NECESSARY FILL AND EMBANKMENT THAT IS PLACED DURING CONSTRUCTION SHALL CONSIST OF MATERIAL SPECIFIED BY THE PROJECT GEOTECHNICAL REPORT PREPARED BY TERRACON CONSULTANTS, INC. AND BE PLACED AND COMPACTED ACCORDING TO THESE PLANS.
5. DISPOSAL OF ANY EXCESS EARTHWORK MATERIAL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
6. PROPOSED SPOT ELEVATIONS REPRESENT FINISHED PAVEMENT OR GROUND SURFACE GRADE UNLESS OTHERWISE NOTED ON DRAWINGS.
7. IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE COMPLIANCE WITH A.D.A. STANDARDS.
8. CONTRACTOR SHALL SAW-CUT EXIST. PAVEMENT TO PROVIDE CLEAN JOINT. REMOVE EXISTING PAVEMENT FOR NEW INSTALLATION AND MATCH EXISTING PAVEMENT AT LOCATIONS WHERE NEW PAVEMENT MEETS EXISTING PAVEMENT.
9. REFER TO THE CURRENT EDITION OF THE FDOT "STANDARD PLANS" FOR DETAILS AND SPECIFICATIONS OF ALL FDOT TYPE CURBING CALLED FOR IN THESE PLANS.
10. REFER TO THE CURRENT EDITION OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION FOR SPECIFICATIONS ON PAVING MATERIALS.
11. CONTRACTOR TO PROVIDE A 1/2-IN. BITUMINOUS EXPANSION JOINT MATERIAL WITH SEALER WHERE CONCRETE ABUTS BUILDINGS, OTHER CONCRETE, OR OTHER RIGID MATERIALS.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING SURVEY MONUMENTATION. DISTURBED MONUMENTATION SHALL BE RESTORED AT CONTRACTOR'S EXPENSE BY A SURVEYOR SELECTED BY THE OWNER.
13. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE SOILS ENGINEER FOR APPLICABLE TESTING UPON COMPLETION OF THE WORK. THE SOILS ENGINEER WILL SUBMIT ALL MATERIAL TESTING REPORTS AND RESULTS CERTIFICATIONS TO THE OWNER AND ENGINEER STATING THAT ALL REQUIREMENTS HAVE BEEN MET.
14. TESTING AND INSPECTION TO BE PERFORMED BY A QUALIFIED INDEPENDENT TESTING LABORATORY, UNDER THE SUPERVISION OF A REGISTERED ENGINEER, SPECIALIZING IN SOILS ENGINEERING. PERFORM ALL TESTING NECESSARY AS REQUIRED BY THESE PLANS AND THE VARIOUS PERMITTING AGENCIES. THE CONTRACTOR SHALL PAY THE COSTS OF ALL INITIAL TESTING. SHOULD RETESTING BE REQUIRED DUE TO THE FAILURE OF ANY TESTS TO MEET SPECIFICATIONS, THE CONTRACTOR SHALL BEAR ALL COSTS OF SAID RETESTING.
15. ALL UNDERGROUND UTILITIES SHALL BE IN PLACE AND PASS ALL TESTING OR INSPECTION REQUIREMENTS PRIOR TO ROAD BASE AND OR SURFACE IMPROVEMENT CONSTRUCTION.

1. *Journal of the American Medical Association*, 1997; 278: 1039-1044.

1. SIGNING AND PAVEMENT MARKINGS TO BE DONE IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), AND THE FDOT STANDARD PLANS.
2. COORDINATE AND PROVIDE FOR THE DISPOSITION AND PER PLAN REMOVAL OF EXISTING SIGNS WITH THE MUNICIPAL AUTHORITY.
3. EXISTING SIGNS THAT ARE TO REMAIN SHALL BE PROTECTED AND VISIBLE DURING THE COURSE OF CONSTRUCTION. EXISTING SIGNS WHICH ARE TO BE RELOCATED AND ARE DAMAGED BY THE CONTRACTOR SHALL BE REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER/MUNICIPALITY.
4. CAUTION SIGN BE EXERCISED IN THE INSTALLATION OF POST MOUNTED ROAD SIDE SIGNS IN ORDER TO PREVENT DAMAGE TO BURIED UTILITIES. LOCATION'S SHALL CONFORM TO FDOT STANDARD 700-101.
5. ENGINEER SHALL BE NOTIFIED WHEN SIGN ASSEMBLY LOCATIONS SHOWN ON THE PLANS ARE IN CONFLICT WITH SIGNALS, LIGHTING, UTILITIES, ETC. LOCATION MAY BE SLIGHTLY ADJUSTED AS DIRECTED BY THE ENGINEER.
6. SIGNS SHALL BE CONSTRUCTED WITH TYPE III B HIGH PERFORMANCE PRISMATIC REFLECTIVE SHEETING, EXCEPT FOR "STOP," "WRONG-WAY," AND "DO-NOT-ENTER" WHICH SHALL BE TYPE VII SHEETING.
7. SIGN POST FOR ANY SINGLE COLUMN SIGNS SHALL BE A MINIMUM OF 3" DIA. CONFORMING TO FDOT STANDARD 700-010, AND LISTED IN THE FDOT'S QUALIFIED PRODUCTS LIST (QPL). THE CONTRACTOR SHALL FIELD VERIFY THE LENGTH OF SIGN COLUMN SUPPORTS PRIOR TO FABRICATION.
8. ALL SURFACES SHALL BE CLEANED PRIOR TO THE START OF INSTALLATION OF ALL PAVEMENT MARKINGS.
9. REMOVAL OF EXISTING PAVEMENT MARKINGS SHALL BE ACCOMPLISHED BY A COMBINATION OF SAND AND WATER BLASTING, OR OTHER APPROVED METHOD THAT WILL NOT MATERIALLY DAMAGE THE SURFACE TEXTURE OF THE PAVEMENT, AND WILL FULLY ELIMINATE ANY TRACE OF THE PREVIOUS MARKINGS. METHOD USED MUST RECEIVE PRE-APPROVAL OF THE MUNICIPAL AUTHORITY.
10. PAINTED PAVEMENT MARKINGS SHALL BE INSTALLED ON THE FINAL ASPHALT SURFACE DURING THE INITIAL 30-DAY CURE PERIOD, AND FINAL THERMOPLASTIC PAVEMENT MARKINGS SHALL BE INSTALLED AFTER THE 30-DAY CURING PERIOD. PAINTED PAVEMENT MARKINGS SHALL CONFORM TO FDOT SPEC. SECTION 710, AND THERMOPLASTIC TO SECTION 711.
11. PLACEMENT OF TURN ARROWS SHALL CONFORM TO FDOT STANDARD 711-001.
12. CROSSWALKS SHALL BE 10-1/2' WIDE UNLESS OTHERWISE SHOWN ON THE PLANS, AND SHALL CONFORM TO FDOT STANDARD 711-001.
13. ALL PERMANENT STRIPING SHALL BE INSTALLED PRIOR TO RETRO-REFLECTIVE PAVEMENT MARKERS (RPMS) INSTALLATION. PLACEMENT OF RPMS SHALL CONFORM TO FDOT STANDARD 706-001.
14. CONTRACTOR SHALL COORDINATE WITH THE LOCAL PUBLIC TRANSIT AGENCY FOR BUS STOP OR RESPECTIVE SIGNS TO BE REMOVED OR RELOCATED.

14. THE CONTRACTOR SHALL NOTIFY FDOT 48 HOURS IN ADVANCE PRIOR TO INITIATING ANY WORK IN THE STATE RIGHT-OF-WAY.
15. THE SUBJECT PROPERTY AS SHOWN HEREON IS LOCATED IN FLOOD ZONE X, (MINIMAL RISK AREAS OUTSIDE THE 1-PERCENT AND 2 PERCENT-ANNUAL-CHANCE FLOODPLAINS, NO BEFS OR BASE FLOOD DEPTHS ARE SHOWN WITHIN THESE ZONES), AS DETERMINED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP OF ESCAMBIA COUNTY, FLORIDA, COMMUNITY 120080, FIRM MAP PANEL NUMBERS 12033C0526G MAP REVISION DATED SEPTEMBER 29, 2006. PRELIM MAPS JANUARY 27, 2017, THE SUBJECT PROPERTY AS SHOWN HEREON IS LOCATED IN FLOOD ZONE X (AREAS SUBJECT TO INUNDATION BY THE 2-PERCENT-ANNUAL-CHANCE FLOOD EVENT DETERMINED BY DETAILED METHODS) MAP PANEL NUMBER 12033C0551J.
16. "FAILURE TO COMPLY AND CONTINUALLY MAINTAIN ALL APPROVED ELEMENTS OF AN APPROVED CONSTRUCTION PLANS FOR THE PONDS SHALL BE A VIOLATION OF COUNTY ORDINANCES SUBJECT TO ENFORCEMENT AND PENALTIES."

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1. PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXIST. UTILITIES AND GRAVEL STORM AND SANITARY SEWER LINES TO DETERMINE THE ACCURACY OF SURVEY INFORMATION REFLECTED ON THESE DRAWINGS. ADDITIONALLY, THE CONTRACTOR SHALL VERIFY THE ELEVATIONS OF ALL CONNECTIONS RELATIVE TO THOSE SHOWN ON THESE DRAWINGS. IF DISCREPANCIES ARE DETERMINED CONTACT THE ENGINEER.
2. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXIST UTILITIES WHICH CONFLICT WITH THE PROPOSED UTILITIES SHOWN ON THE PLANS.

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NOTICE:
CONSTRUCTION SITE SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. NEITHER THE OWNER NOR THE DISTRICT SHALL BE EXPECTED TO ASSUME ANY RESPONSIBILITY FOR SAFETY OF THE WORK, OF PERSONS ENGAGED IN THE WORK, OR OF NEARBY STRUCTURES, OR OF ANY OTHER PERSONS.

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**24 HOUR
EMERGENCY CONTACT**
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(407) 743-3524

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ORLANDO, FL 32801
407.743.3824
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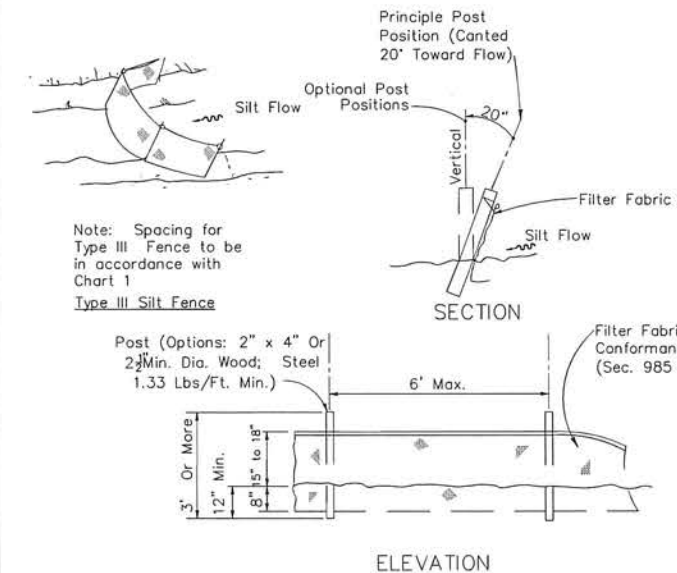
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CONSTRUCTION ACTIVITIES AND CONTRACTOR RESPONSIBILITIES:

1. THE CONTRACTOR SHALL BECOME FAMILIAR WITH AND ABIDE BY ALL PERMIT CONDITIONS, INSPECTIONS, SCHEDULES, AND OTHER RELEVANT REGULATORY AGENCY RULES AND REGULATIONS.
2. **BMPs:** SYNTHETIC BALES OR SEDIMENT FILTER LOGS.
3. **INLET PROTECTION:** PERFORATED PIPE WRAPPED IN FILTER FABRIC (FILTER LOGS).
4. **TEMPORARY SLOPE STABILIZATION:** CONTRACTOR SHALL PROVIDE FOR THE SAFETY OF TEMPORARY SOIL EMBANKMENT AND SHORING REQUIREMENTS AT NO ADDITIONAL COST TO THE OWNER.
5. **POTENTIAL POLLUTANTS DURING CONSTRUCTION:** DELETERIOUS, TOXIC, OR CONTAMINATED MATERIAL, IF ENCOUNTERED, IS TO BE STOCKPILED OR REMOVED FROM THE SITE AS DIRECTED BY THE OWNER AND DISPOSED OF IN APPROVED LANDFILL. CONTACT LOCAL EMERGENCY OFFICIALS REPRESENTATIVES IN CASE OF ANY SPILLS OR CONTAMINATION OF A CHEMICAL NATURE (CALL FDEP 407-894-7555) PRIOR TO ANY OTHER ACTION.
6. **INSPECTIONS:** CONTRACTOR TO INSPECT CONSTRUCTION SITE FOR EROSION PROBLEMS DAILY AND AFTER EACH RAINFALL GREATER THAN 0.5 INCHES WITHIN 24 HRS. CONTRACTOR TO PROVIDE AND MONITOR A RAIN GAUGE ON SITE AND RECORD DAILY RAINFALL AMOUNTS. ANY NECESSARY REMEDIES SHALL BE PERFORMED IMMEDIATELY.
7. **PERMANENT STORMWATER MANAGEMENT CONTROLS:** RETENTION AND DETENTION/EXFILTRATION SYSTEMS, STORMWATER SEWER SYSTEM, PLUS STORMWATER CONTROL STRUCTURE IS TO PREVENT TRASH FROM GOING TO CITY'S DRAINAGE SYSTEM.
8. **DEWATERING:** IN GENERAL, WATER FROM CONTAMINATED AREAS ARE TO BE DISCHARGED TO SANITARY SEWER SYSTEM AND WATER FROM NON-CONTAMINATED AREAS ARE TO BE DISCHARGED INTO STORM SEWER SYSTEM. THE DEWATERING OPERATION SHALL COMPLY WITH THE REQUIREMENTS OF F.D.E.P., THE NPDES PERMIT, AND THE GEOTECHNICAL REPORT.
9. **DEWATERING:** DEWATERING ACTIVITIES SHALL NOT RESULT IN THE DISCHARGE OF ANY WATER WITH TURBIDITY GREATER THAN 29 NTUS FROM THE SITE PER SECTION 6.14.01 (H) OF THE ESM.
10. CONTRACTOR SHALL MAKE AN EFFORT TO MINIMIZE THE AREA OF DISTURBANCE AND WILL BE RESPONSIBLE FOR ALL DAMAGES. ALL EXISTING SODDED AREAS DISTURBED DURING THE CONSTRUCTION SHALL BE REPLACED WITH THE SAME TYPE OF SOD IN CONFORMANCE WITH THE STANDARD SPECIFICATIONS WITHIN 7 DAYS OF FINAL GRADING.
11. SURFACE DRAINAGE SHALL BE DIVERTED FROM EXCAVATIONS AND STOCKPILE AREAS SUCH THAT PROPER SITE CONDITIONS ARE MAINTAINED AND EROSION DUE TO RAIN RUN-OFF OR SEEPAGE IS PREVENTED OR MINIMIZED.
12. INLETS AND CATCH BASINS SHALL BE PROTECTED FROM SEDIMENT UNTIL THE COMPLETION OF ALL CONSTRUCTION OPERATIONS. EROSION CONTROL AT ALL INLET DRAINAGE STRUCTURES DURING CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE FLORIDA STORMWATER, EROSION AND SEDIMENTATION CONTROL INSPECTOR'S HANDBOOK.
13. NO FERTILIZERS, HERBICIDES, OR PESTICIDES ARE TO BE USED ON-SITE WITHOUT PRIOR APPROVAL OF CITY OR COUNTY STAFF.
14. AFTER ALL CONSTRUCTION IS COMPLETE, ALL STRUCTURES AND STORM SEWER PIPES IN THE SYSTEM SHALL BE CLEANED AND TEMPORARY PLUGS IN STRUCTURES SHALL BE REMOVED.
15. ADDITIONAL NOTES: IF NECESSARY, CONTRACTOR SHALL INSTALL TURBIDITY BARRIER, AND USE STREET SWEEPER TO CLEAN ANY OFF-SITE TRACKING OF SOIL. CONTRACTOR IS RESPONSIBLE FOR INSTALLING ANY ADDITIONAL EROSION CONTROL IF IT BECOMES NECESSARY TO MEET STATE AND LOCAL STANDARDS AND TO COMPLY WITH THIS PLAN.
16. **WASTE DISPOSAL:** ALL WASTE SUCH AS DISCARDED BUILDING MATERIALS, CHEMICALS, LITTER, AND SANITARY WASTE SHALL BE PROPERLY CONTROLLED IN ACCORDANCE WITH ALL APPLICABLE STATE, LOCAL, AND FEDERAL REGULATIONS. THERE SHOULD BE NO DISCHARGE OF SOLID MATERIALS, INCLUDING BUILDING MATERIALS, TO SURFACE WATERS OF THE STATE OR AN MSA.



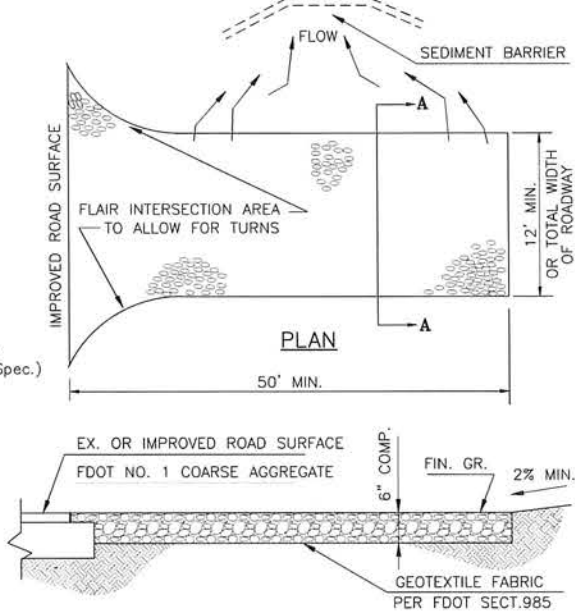
NOTE:
ALL SILT FENCING SHALL COMPLY WITH THE LATEST FLORIDA
EROSION AND SEDIMENT CONTROL INSPECTOR'S MANUAL, SECTION 4.06

TYPE III SILT FENCE
SCALE: NTS

GENERAL CONSTRUCTION NOTES:

1. ALL CONSTRUCTION SHALL CONFORM TO THESE DRAWINGS AND SPECIFICATIONS.
2. THE CONTRACTOR SHALL PERFORM A "SUNSHINE ONE-CALL" PRIOR TO EXCAVATIONS.
3. THE CONTRACTOR SHALL OBTAIN ALL APPLICABLE PERMITS PRIOR TO CONSTRUCTION AND MAINTAIN COPIES AT THE JOBSITE.
4. THE LOCATION OF ALL EXISTING UTILITIES AND STORM DRAINAGE SHOWN ON THE PLANS IS APPROXIMATE AND HAS BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE AND IS GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE OWNER/ENGINEER ASSUMES NO RESPONSIBILITY FOR INACCURACY. PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITY, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE VARIOUS UTILITIES, FIELD DETERMINE THE EXACT LOCATION OF UTILITIES AND TO MAKE THE NECESSARY ARRANGEMENTS FOR ANY RELOCATION OF THESE UTILITIES WITH THE OWNER OF THE UTILITY IF CONFLICTS EXIST. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN CROSSING UNDERGROUND UTILITY AND ALL EXISTING UTILITIES SHALL BE PROTECTED.
5. THE CONTRACTOR SHALL COORDINATE ALL TREE REMOVALS REQUIRED BY CONSTRUCTION WITH THE OWNER'S REPRESENTATIVE. THE CONTRACTOR SHALL STRIVE TO PROTECT AS MANY TREES AS POSSIBLE DURING CONSTRUCTION OPERATIONS. COORDINATE EFFORTS WITH AREA DEVELOPMENT PLANS.
6. THE CONTRACTOR IS ADVISED TO BRING ANY LAYOUT DISCREPANCIES TO THE IMMEDIATE ATTENTION OF THE OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION.
7. ALL PAVEMENT MARKINGS SHALL CONFORM TO THE LATEST M.U.T.C.D. AND F.D.O.T. SPECIFICATIONS.
8. COORDINATE WITH LOCAL EMERGENCY SERVICES AND PROVIDE EMERGENCY ACCESS CORRIDOR THROUGHOUT CONSTRUCTION.
9. CONTACT LOCAL ENVIRONMENTAL COMPLIANCE OFFICIAL FOR APPROVAL OF EROSION CONTROL MEASURES 24 HOURS PRIOR TO BEGINNING GRADE WORK.
10. MATERIALS INTERFERING WITH CONSTRUCTION SHALL BE DISPOSED OF AS DIRECTED BY THE OWNER.
11. ALL EXCESS DIRT, CLEARING DEBRIS, UNSUITABLE MATERIALS AND EXISTING ROADWAY MATERIAL RESULTING FROM CONSTRUCTION ACTIVITIES SHALL BE HAULED OFF IN A LEGAL MANNER.
12. THE CONTRACTOR SHALL PROVIDE A LEVEL GROUND SURFACE AREA ACCESSIBLE TO THE HAUL ROADS AND CONSTRUCTION ENTRANCE FOR MATERIAL LAY-DOWN AND CONSTRUCTION STAGING. THE AREA SHALL BE DELINEATED WITH SAFETY FENCING AND SILT FENCE SHALL BE INSTALLED ALONG THE DOWNHILL BOUNDARY.
13. EXISTING TOPOGRAPHY AND ROADWAY DATA SHOWN ARE BASED UPON TOPOGRAPHIC SURVEYS BY:

COMPANY, INC.: POLY SURVEYING
CONTACT: J. BRETT ORRELL
ADDRESS: 5588 JACKSON ROAD
MOBILE, AL 36619
PHONE: (251) 666-2010
14. CONTRACTOR SHALL CONFINE HIS OFF-SITE ACTIVITIES TO LIMITS OF CONSTRUCTION AS DEPICTED ON THE DEMOLITION PLAN (PROPOSED BY ATWELL LLC).
15. ANY PUBLIC LAND CORNER, WITHIN THE LIMITS OF CONSTRUCTION, IS TO BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR SHALL NOTIFY THE OWNERS REPRESENTATIVE WITHOUT DELAY.
16. SOILS DATA GEOTECHNICAL REPORT PREPARED BY TERRACON CONSULTANTS, INC.
17. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL THE REQUIRED CONSTRUCTION PERMITS HAVE BEEN OBTAINED PRIOR TO COMMENCING WORK.
18. ALL REFERENCES TO PROPOSED CONSTRUCTION INDICATES CONSTRUCTION INCLUDED IN THIS CONTRACT.



SECTION A-A

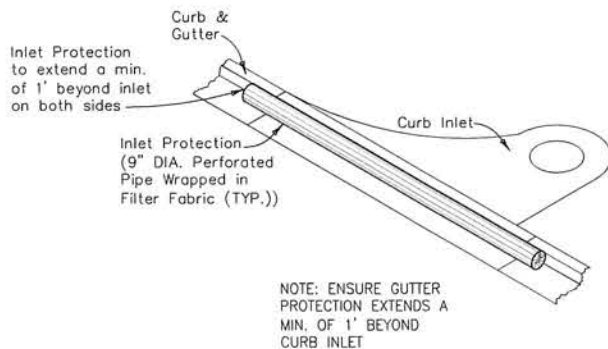
ROCK CONSTRUCTION ENTRANCE
SCALE: NTS

EROSION AND SEDIMENTATION CONTROL NOTES:

1. THE CONTRACTOR MUST IMPLEMENT AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES REQUIRED TO RETAIN SEDIMENT ON-SITE AND TO PREVENT VIOLATIONS OF THE WATER QUALITY CRITERIA AND STANDARDS IN CHAPTERS 62-4, 62-302, F.A.C. ALL EROSION/SEDIMENT CONTROL PRACTICES MUST BE IN ACCORDANCE WITH THE GUIDELINES AND SPECIFICATIONS IN SECTION 6 OF THE FLORIDA LAND DEVELOPMENT MANUAL, A GUIDE TO SOUND LAND AND WATER MANAGEMENT (FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION 1988), AS WELL AS THE ESCAMBIA COUNTY WATER QUALITY CODE AND THE FLORIDA STORMWATER, EROSION AND SEDIMENTATION CONTROL INSPECTOR'S HANDBOOK, UNLESS A PROJECT-SPECIFIC EROSION AND SEDIMENT CONTROL PLAN IS APPROVED BY THE WATER MANAGEMENT DISTRICT IN WHICH CASE THE PRACTICES MUST BE IN ACCORDANCE WITH THE PLAN. IF SITE SPECIFIC CONDITIONS REQUIRE ADDITIONAL MEASURES DURING ANY PHASE OF CONSTRUCTION OR OPERATION TO PREVENT EROSION OR CONTROL SEDIMENT, THE CONTRACTOR MUST IMPLEMENT THE NECESSARY ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES.
2. STABILIZATION MEASURES SHALL BE INITIATED FOR EROSION AND SEDIMENT CONTROL ON DISTURBED AREAS AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 14-DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED.
3. THE LOCATION AND TYPE OF THE EROSION CONTROL MEASURES SHOWN ON THESE DRAWINGS ARE PROVIDED FOR GENERAL GUIDANCE TO THE CONTRACTOR. THE METHODS AND SEQUENCING OF CONSTRUCTION EMPLOYED BY THE CONTRACTOR MAY REQUIRE MORE OR LESS EROSION CONTROL MEASURES THAN THAT DEPICTED TO MAINTAIN ADEQUATE EROSION AND SEDIMENT CONTROL FOR THE CONSTRUCTION ACTIVITIES.
4. EROSION/TURBIDITY BARRIERS MUST BE INSTALLED AT ALL LOCATIONS WHERE THE POSSIBILITY OF TRANSFERRING SEDIMENT OR SUSPENDED SOLIDS TO ADJACENT PROPERTIES, JURISDICTIONAL WETLANDS AND/OR RECEIVING WATER BODIES EXISTS DUE TO THE PROPOSED WORK. TURBIDITY BARRIERS MUST REMAIN IN PLACE AT ALL LOCATIONS UNTIL CONSTRUCTION IS COMPLETED AND SOILS ARE STABILIZED AND VEGETATION HAS BEEN ESTABLISHED. THEREAFTER THE CONTRACTOR WILL BE RESPONSIBLE FOR THE REMOVAL OF THE BARRIERS. THE CONTRACTOR SHALL MAINTAIN THE EROSION/TURBIDITY CONTROL BARRIERS DAILY. THE CONTRACTOR IS TOTALLY RESPONSIBLE FOR PROVIDING THE NECESSARY EROSION/TURBIDITY CONTROL FOR THIS PROJECT. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY PENALTIES IMPOSED BY THE PERMITTING AGENCIES FOR ANY EROSION, SHOALING, OR WATER QUALITY PROBLEMS RESULTANT TO CONSTRUCTION ACTIVITIES.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CORRECTION OF ANY EROSION, SEDIMENTATION, SHOALING OR WATER QUALITY PROBLEMS THAT RESULT FROM THE CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL USE APPROPRIATE BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENT CONTROL AS DESCRIBED IN THE FLORIDA LAND DEVELOPMENT MANUAL, A GUIDE TO SOUND LAND AND WATER MANAGEMENT (FDEP, 1988) AND/OR ACCORDING TO FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS FOR EROSION CONTROL APPLICATIONS AND ACCORDING TO THE ESCAMBIA COUNTY WATER QUALITY CODE AND THE FLORIDA STORMWATER, EROSION AND SEDIMENTATION CONTROL INSPECTOR'S HANDBOOK.
6. MEASURES SHALL BE TAKEN BY THE CONTRACTOR TO INSURE THAT SEDIMENTATION AND/OR TURBIDITY PROBLEMS ARE NOT CREATED IN THE RECEIVING WATER.
7. PRIOR TO BEGINNING THE CLEARING AND GRUBBING OF THE SITE, SYNTHETIC BALES SHALL BE STAKED TO THE GROUND ALONG THE PROPERTY LINE AT LOW AREAS IN ADDITION TO THE PERIMETER SILT FENCE TO PREVENT STORMWATER FROM WASHING ERODED SOIL FROM THE SITE.
8. THE SITE SHALL BE GRADED SUCH THAT ALL STORMWATER WILL BE DIRECTED INTO THE ON-SITE STORMWATER SYSTEM. SYNTHETIC BALES SHALL BE STAKED IN LOCATIONS WHERE WATER ENTERS THE SYSTEM TO FILTER OUT THE ERODED SOILS AND CONSTRUCTION FINES. CONTRACTOR SHALL MAKE PROVISIONS TO AVOID TRACKING DIRT AND CONSTRUCTION DEBRIS TO THE ROADWAY VIA TRUCK AND EQUIPMENT TIRES.
9. SILT FENCE SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH ESCAMBIA COUNTY, AND FDOT STANDARDS AND SPECIFICATIONS, AND THE CONTRACT DRAWINGS.
10. CONTRACTOR SHALL REPLACE CLOGGED SECTIONS OF SILT FENCES AND PERFORATED PIPE WITH FABRIC SOCK AS NECESSARY TO MAINTAIN WATER PASSAGE.
11. CONTRACTOR SHALL PROVIDE SEDIMENT CONTROL DURING INSTALLATION OF NEW CURBING AND DRIVEWAYS AS APPROVED BY THE ENGINEER.
12. CONTRACTOR SHALL TAKE CARE TO KEEP EXPOSED AREAS TO A MINIMUM POSSIBLE TIME DURING CONSTRUCTION.
13. ON-SITE CONTROL MEASURES SHALL BE APPLIED TO REDUCE EROSION AS SHOWN ON THE PLANS, DETAIL SHEETS AND IN ACCORDANCE WITH FDOT, FDEP AND THE ESCAMBIA COUNTY REGULATIONS FOR EROSION CONTROL MEASURES. STOCKPILING AND STORAGE OF MATERIALS SHOULD NOT BE LOCATED IN A MANNER TO IMPEDE FLOW OR CAUSE MATERIALS TO BE ERODED BY STORMWATER RUNOFF.
14. ALL TEMPORARY SEDIMENTATION CONTROL STRUCTURES AND MEASURES TO BE USED DURING CONSTRUCTION SHALL BE INSTALLED PRIOR TO ANY CONSTRUCTION ACTIVITY AND SHALL BE MAINTAINED IN AN EFFECTIVE CONDITION UNTIL SUCH TIME AS THE COMPLETION OF THE PERMANENT SYSTEM OR OTHER EROSION CONTROL MEASURES CAN ASSURE ADEQUATE EROSION AND SEDIMENT CONTROL.
15. CONTRACTOR TO INSPECT EROSION/SEDIMENT CONTROL DEVICES DAILY AND WITHIN 24 HOURS OF EACH 0.5 INCH OR GREATER RAINFALL EVENT FOR EFFECTIVENESS. ANY NECESSARY REMEDIES SHALL BE PERFORMED IMMEDIATELY.
16. NO EXCAVATING MATERIAL SHALL BE STOCKPILED IN A MANNER AS TO DIRECT RUNOFF DIRECTLY OFF THE PROJECT SITE OR INTO ANY ADJACENT WATER BODY OR STORMWATER COLLECTION FACILITY.
17. ALL EXCESS FILL MATERIAL WILL BE HAULED OFFSITE.

DEVELOPER CONTACT INFORMATION

DRIVEN BRANDS
440 SOUTH CHURCH STREET
SUITE 700
CHARLOTTE, NC 28202
PHONE: (281) 660-9583
CONTACT: SUMAIA ALAMOUDI



INLET PROTECTION
SCALE: NTS

STORMWATER POLLUTION PREVENTION PLAN NOTES:

LOCATION: THE 1.12± ACRE SITE IS LOCATED IN THE CITY OF PENSACOLA, ESCAMBIA COUNTY, FLORIDA

LIMITS OF CONSTRUCTION: 1.28± ACRES WILL BE DISTURBED DURING CONSTRUCTION.

CONSTRUCTION ACTIVITIES: CLEARING AND GRUBBING OF EXISTING SITE; GRADING OPERATIONS; CONSTRUCTION OF PARKING LOT AND ASSOCIATED SITE WORK.

SOIL TYPES: REFER TO THE GEOTECHNICAL REPORT FOR THE ON-SITE SOIL CLASSIFICATIONS.

GENERAL CONSTRUCTION SEQUENCE:

1. INSTALL SILT FENCE AROUND PERIMETER OF SITE. PROVIDE MINIMUM SITE DEMOLITION REQUIRED TO INSTALL SILT FENCE. INSTALL TEMP INLET PROTECTION.
2. GENERAL SITE CLEARING AND GRUBBING, AND DEMOLITION.
3. ROUGH GRADE SITE.
4. INSTALL UNDERGROUND UTILITIES.
5. CONSTRUCT PROPOSED ABOVE GROUND INFRASTRUCTURE PER THE SITE PLAN.
6. INSTALL LANDSCAPING.
7. REMOVE TEMP. PROTECTION SYSTEMS.

STORMWATER DISCHARGE: STORMWATER WILL DISCHARGE TO BAYOU GRANDE

ENGINEER CERTIFICATION

I CERTIFY THAT I PREPARED THE SWPPP FOR THE REFERENCED SITE. TO THE BEST OF MY KNOWLEDGE, THE SWPPP MEETS THE INTENT AND REQUIREMENTS OF THE NPDES GENERAL PERMIT NO. _____, AND IS IN ACCORDANCE WITH STATE AND LOCAL REGULATIONS WHICH GOVERN THE DISCHARGES FROM CONSTRUCTION SITES.

SIGNATURE _____ DATE _____

NAME AND TITLE _____

COMPANY _____

111 N. MAGNOLIA AVE., SUITE 1350, ORLANDO, FL 32801

ADDRESS _____

CONTRACTOR CERTIFICATION

"I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT THAT AUTHORIZES THE STORM WATER DISCHARGES ASSOCIATED WITH THE INDUSTRIAL ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS A PART OF THIS CERTIFICATION."

SIGNATURE _____ DATE _____

PROJECT MANAGER _____

NAME AND TITLE _____

COMPANY _____

ADDRESS (CONTRACTING FIRM) _____

ADDRESS (CONSTRUCTION SITE) _____

TELEPHONE: _____

AREA CODE _____ NUMBER _____

ABBREVIATIONS:

FDOT - FLORIDA DEPARTMENT OF TRANSPORTATION

A.D.A. - AMERICAN DISABILITY ACT

HDPE - HIGH DENSITY POLYETHYLENE PIPE

FDEP - FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

FOR STANDARD ABBREVIATIONS REFER TO THE FDOT STANDARD INDEX 001, UNLESS OTHERWISE NOTED ON PLANS.



THE LOCATION OF INTERNAL AROUNDING LITER IS NOT SHOWN IN ADEQUATELY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF ANY REVISIONS TO THE PLAN. THE LOCATION OF ANY REVISIONS TO THE PLAN SHALL BE INDICATED BY THE CONTRACTOR. THE LOCATION OF ANY REVISIONS TO THE PLAN SHALL BE INDICATED BY THE CONTRACTOR.

NOTICE
CONSTRUCTION OF THIS PROJECT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF ANY REVISIONS TO THE PLAN. THE LOCATION OF ANY REVISIONS TO THE PLAN SHALL BE INDICATED BY THE CONTRACTOR.

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24 HOUR
EMERGENCY CONTACT

KEITH S. HAUGDAHL
(407) 743-3524



SECTION 05, TYP 35, RANGE 31W

10295 SORRENTO ROAD

PENSACOLA

ESCAMBIA COUNTY, FLORIDA

TAKE 5 EXPRESS OIL CHANGE

DRIVEN BRANDS

CONSTRUCTION PLANS

SWPPP NOTES AND DETAILS

DATE 11/20/2023

1125-05-05 ESCAMBIA COUNTY SITE PLAN COMMENTS

REVISIONS

DRAWN BY MJC / WJC

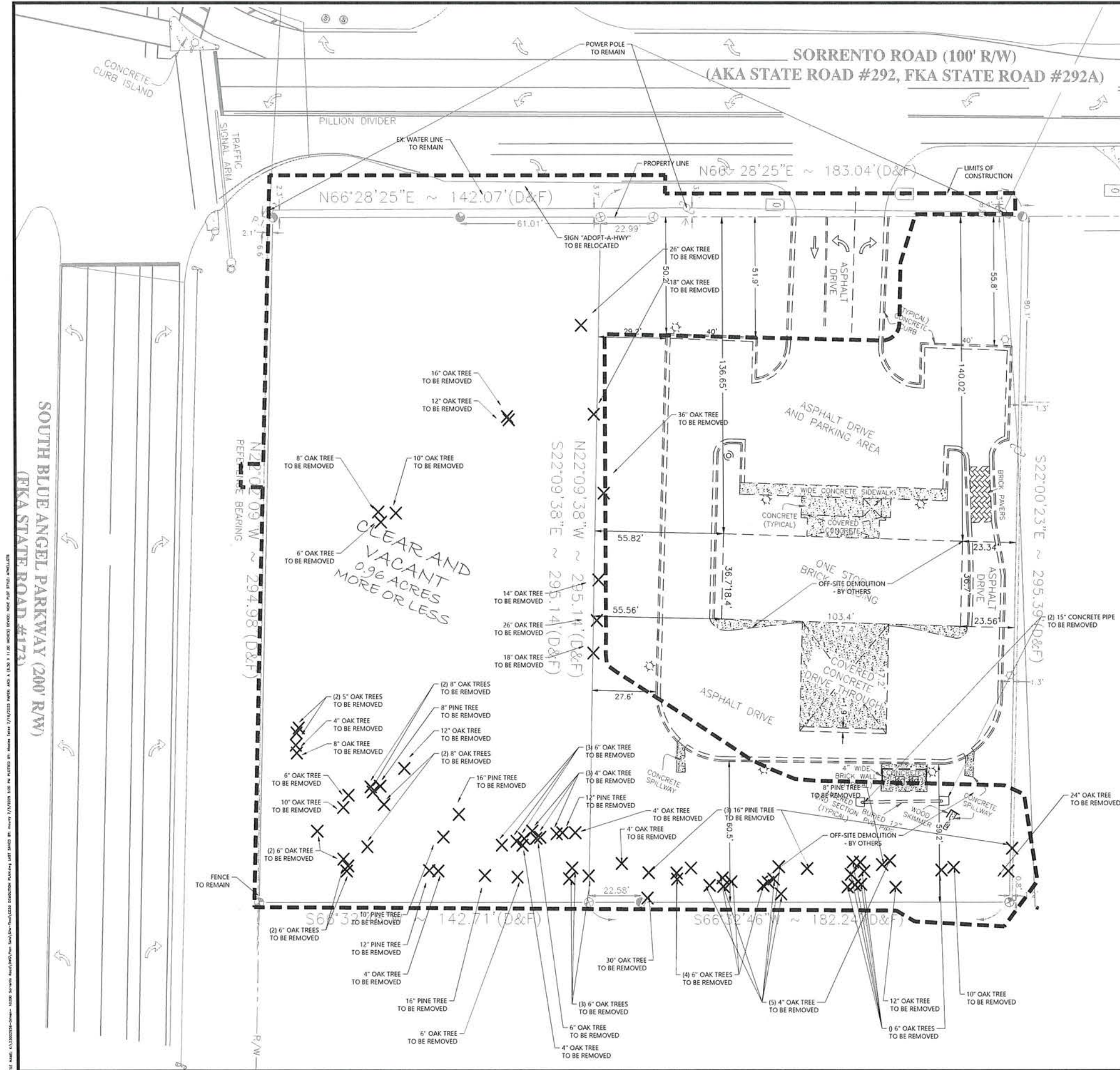
CHECKED BY KP

PROJECT MANAGER KSH

JOB # 23002956

FILE CODE #

SHEET NO. C003



NOTE:

CONTRACTOR TO DISPOSE OF ALL CLEARED AND DEMOLISHED MATERIAL OFF-SITE.

DEMOLITION AND UTILITY ADJUSTMENT NOTES:

1. DEMO LIMITS REPRESENT EXPECTED AREA OF DEMOLITION. ANY ROADWAYS, GUTTERS, CURBS, DRIVEWAYS, OR SIDEWALKS LOCATED WITHIN THESE LIMITS MAY NEED TO BE REMOVED DURING THE INSTALLATION OF THE STORM SEWER SYSTEM. THE CONTRACTOR SHOULD ATTEMPT TO REDUCE THE REQUIRED DEMO AREA AND AVOID REMOVAL OF CURBS, SIDEWALKS, AND DRIVEWAYS WHEN POSSIBLE.
2. ALL EXISTING UTILITIES ARE TO BE PROTECTED AND REMAIN IN SERVICE UNLESS SPECIFICALLY INDICATED IN THE CONSTRUCTION DOCUMENTS.
3. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING ANY PLAN DISCREPANCIES OR FIELD CONFLICTS AND NOTIFYING THE ENGINEER OF RECORD PRIOR TO DEVIATING FROM THE CONSTRUCTION DOCUMENTS.
4. SEE GENERAL NOTES SHEET C002 FOR UTILITY PROVIDER CONTACT INFORMATION. CONTRACTOR MUST COORDINATE ALL UTILITY RELOCATIONS, ADJUSTMENTS, OR REMOVALS WITH UTILITY COMPANY.
5. ALL DISTURBED SURFACE AREAS TO BE RESTORED TO EXISTING OR IMPROVED CONDITIONS.
6. THE ACTUAL DEPTH AND LOCATION OF EXISTING UTILITIES ARE SHOWN PER THE BEST AVAILABLE INFORMATION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE CROSSINGS OF EXISTING UTILITIES WITH THE OWNER OF UTILITIES.
7. CONTRACTOR MUST PROVIDE ADVANCE NOTIFICATION TO RESPECTIVE UTILITY COMPANY AND COORDINATE ACTIVITIES WITHIN THE PROJECT SITE. NO UTILITY ADJUSTMENTS OR RELOCATIONS ARE TO OCCUR WITHOUT THE CONTRACTOR RECEIVING APPROVAL FROM THE UTILITY OWNER.
8. NO UTILITY ADJUSTMENTS, RELOCATIONS, OR MODIFICATIONS SHALL BE PERFORMED OUTSIDE THE RIGHT OF WAY WITHOUT WRITTEN APPROVAL FROM THE RESPECTIVE PROPERTY OWNER. ALL INDIVIDUAL SERVICES SHALL BE MAINTAINED AT ALL TIMES.
9. EXISTING UTILITY SERVICES TO BE MAINTAINED AT ALL TIMES. EMPLOY TEMPORARY FACILITIES AND CONTROLS AS LONG AS NEEDED FOR THE SAFE AND PROPER COMPLETION OF THE WORK. REMOVE ALL SUCH TEMPORARY FACILITIES AND CONTROLS AS RAPIDLY AS PROGRESS OF THE WORK WILL PERMIT, OR AS DIRECTED BY THE OWNER.
10. REFER TO THE SITE PLAN SHEETS FOR ADDITIONAL INFORMATION.
11. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ACCURATE AS-BUILT SURVEY INFORMATION DURING CONSTRUCTION OF ALL UTILITY ADJUSTMENTS, RELOCATIONS, REMOVALS, AND INSTALLATIONS. THE CONTRACTOR MUST PROVIDE A DETAILED AS-BUILT CERTIFIED BY A PROFESSIONAL SURVEYOR TO THE CITY'S ENGINEER PRIOR TO PROJECT CLOSEOUT.
12. CONTRACTOR TO FIELD VERIFY THAT EXISTING STORMWATER INLETS CONNECT TO THE EXISTING EXFILTRATION SYSTEM. ALL STORM INLETS AND PIPING TO BE REMOVED.
13. ALL EXISTING SANITARY LATERALS ARE TO BE REMOVED AND CAPPED AT THE ROW LINE. THE ABANDONED SANITARY LATERAL SHALL BE AS-BUILT.
14. NO TREE REMOVAL WITHIN STATE RIGHT-OF-WAY WITHOUT PRIOR APPROVAL.
15. ALL ADEQUATE TREE PROTECTION MEASURES AND BARRICADES SHALL BE INSTALLED PRIOR TO SITE DISTURBANCE AND MAINTAINED IN GOOD WORKING ORDER UNTIL PROJECT IS COMPLETE, AND SITE BECOMES STABILIZED.

DEFINITIONS:

1. REMOVE: DETACH ITEMS FROM EXISTING CONSTRUCTION AND LEGALLY DISPOSE OF THEM OFF-SITE UNLESS INDICATED TO BE SALVAGED OR RECYCLED. COORDINATE WITH THE UTILITY REPRESENTATIVES THE DISPOSITION OF ITEMS OWNED BY THE UTILITY COMPANIES. OFF-SITE DISPOSAL IS BY THE CONTRACTOR.
2. SALVAGE: DETACH ITEM FROM EXISTING CONSTRUCTION, PROTECT FROM DAMAGE AND DELIVER THEM TO OWNER READY FOR REUSE. COORDINATE DELIVERY LOCATION WITH OWNER AND PROVIDE DELIVERY.
3. REMAIN: EXISTING ITEMS OF CONSTRUCTION THAT ARE NOT TO BE RAZED AND THAT ARE NOT OTHERWISE INDICATED TO BE REMOVED OR SALVAGED. PROVIDE TEMPORARY PROTECTION DURING THE CONSTRUCTION PERIOD. PROVIDE ADJUSTMENTS AS REQUIRED BY PLANS.
4. REFURBISH: RENOVATE EXISTING STRUCTURE/APPURTENANCE TO CURRENT SPECIFICATIONS. PROTECT DURING CONSTRUCTION.
5. TO BE TAKEN OUT OF SERVICE: ABANDONMENT IN PLACE OF UTILITY LINES ALONG UNEXCAVATED AREAS PER RESPECTIVE UTILITY COMPANY REQUIREMENTS. SEE "GROUT FILLING OF EXISTING LINES DETAIL" ON DETAIL SHEET.
6. REPLACE: STRUCTURE OR PIPE TO BE REMOVED AND SIMILAR PRODUCT TO BE INSTALLED AS INDICATED IN THE CONSTRUCTION DOCUMENTS.
7. ADJUST: EXISTING ITEM OF CONSTRUCTION TO BE MOVED OR REPLACED AS NEEDED TO AVOID CONFLICT WITH PROPOSED CONSTRUCTION. COORDINATE WITH THE OWNER OF UTILITIES.

EROSION AND SEDIMENT CONTROL NOTES:

1. THE CONTRACTOR MUST IMPLEMENT AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES REQUIRED TO RETAIN SEDIMENT ON-SITE AND TO PREVENT VIOLATIONS OF THE WATER QUALITY CRITERIA AND STANDARDS IN CHAPTERS 62-4, 62-302, F.A.C. ALL EROSION/SEDIMENT CONTROL PRACTICES MUST BE IN ACCORDANCE WITH THE GUIDELINES AND SPECIFICATIONS IN SECTION 6 OF THE FLORIDA LAND DEVELOPMENT MANUAL.
2. SILT FENCE ALONG THE LIMITS OF CONSTRUCTION AND INLET PROTECTION AT ALL INLETS WITHIN, AND DIRECTLY DOWNSTREAM OF, THE CONSTRUCTION LIMITS SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH FDOT STANDARDS AND SPECIFICATIONS, AND THE CONTRACT DOCUMENTS PRIOR TO CONSTRUCTION.
3. REFER TO THE STORMWATER POLLUTION PREVENTION PLAN, SHEET C003 FOR ADDITIONAL INFORMATION.

PLAN LEGEND

	ROAD RIGHT-OF-WAY LINE
	EXISTING FEATURES
	DEMOLITION FEATURES
	LIMITS OF CONSTRUCTION
	ASPHALT TO BE DEMOLISHED
	CONCRETE TO BE DEMOLISHED
	TREE TO BE REMOVED
	INLET PROTECTION
	TREE TO BE PROTECTED



CONSTRUCTION LIMITS ARE THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION.

CONSTRUCTION LIMITS ARE THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION.

24 HOUR
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SECTION 05, TWP 35, RANGE 31W
10595 SORRENTO ROAD
PENSACOLA
FLORIDA
ESCAMBIA COUNTY, FLORIDA

TAKE 5 EXPRESS OIL CHANGE
DRIVEN BRANDS
CONSTRUCTION PLANS
DEMOLITION PLAN

DATE 11/20/2023

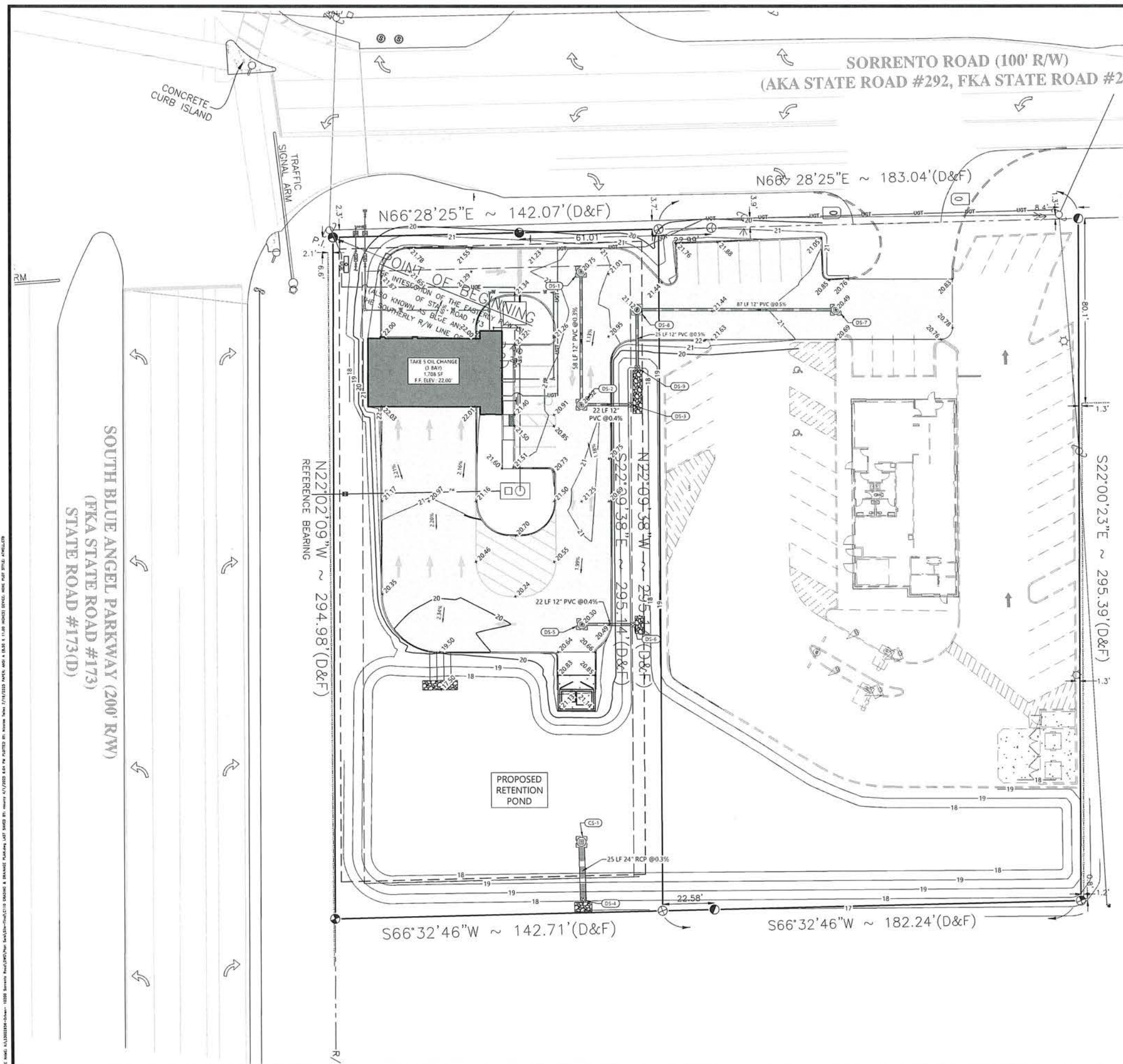
2023-09-09 ESCAMBIA COUNTY SITE
PLAN COMMENTS

REVISIONS

SCALE 1"=20'

DRAWN BY MJC/WJC
CHECKED BY KP
PROJECT MANAGER KSH
JOB # 23002956
FILE CODE ##
SHEET NO. C020

CAD FILE: C020.DWG
NOT ISSUED FOR CONSTRUCTION



STORM SEWER STRUCTURES TABLE				
ID	TYPE	RIM/TOP ELEV.	INV. ELEV.	LOCATION
CS-1	CONTROL STRUCTURE	19.50	16.90 (SE)	N:505894.84 E:1067293.66
DS-1	FOOT TYPE C INLET	20.75	17.75 (S)	N:506123.99 E:1067201.72
DS-2	FOOT TYPE C INLET	20.52	17.58 (N)	N:506070.59 E:1067223.36
DS-3	2'X2' CONCRETE COLLAR		17.50 (W)	N:506078.66 E:1067243.32
DS-4	2'X2' CONCRETE COLLAR		16.82 (NW)	N:505871.84 E:1067303.69
DS-5	FOOT TYPE C INLET	20.30	17.58 (E)	N:505982.32 E:1067259.00
DS-6	2'X2' CONCRETE COLLAR		17.50 (W)	N:505990.59 E:1067279.72
DS-7	FOOT TYPE C INLET	20.49	18.06 (W)	N:506150.45 E:1067310.78
DS-8	FOOT TYPE P MANHOLE	21.12	17.63 (E) 17.63 (S)	N:506117.97 E:1067230.59
DS-9	2'X2' CONCRETE COLLAR		17.50 (N)	N:506094.59 E:1067240.12

PLAN LEGEND	
	PROJECT PROPERTY LINE
	EXISTING FEATURES
	PROPOSED CURB
	EXISTING CONTOUR
	PROPOSED CONTOUR
	SURFACE FLOW DIRECTION
	PROPOSED STORM LINE
	PROPOSED STORM STRUCTURES
	PROPOSED SPOT ELEVATION

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NOTICE: THE INFORMATION ON THIS PLAN IS THE PROPERTY OF ATWELL & ASSOCIATES, INC. AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF ATWELL & ASSOCIATES, INC. THE USER OF THIS PLAN AGREES TO HOLD ATWELL & ASSOCIATES, INC. HARMLESS FROM AND AGAINST ALL CLAIMS, DAMAGES, LOSSES, AND EXPENSES, INCLUDING REASONABLE ATTORNEY'S FEES, THAT MAY BE ASSERTED AGAINST ATWELL & ASSOCIATES, INC. BY ANY THIRD PARTY AS A RESULT OF THE USER'S USE OF THIS PLAN.

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CO# 4 39091

SECTION 05, TWP 35, RANGE 31W
10395 SORRENTO ROAD
PENSACOLA
ESCAMBIA COUNTY, FLORIDA

TAKE 5 EXPRESS OIL CHANGE
DRIVEN BRANDS
CONSTRUCTION PLANS
GRADING & DRAINAGE PLAN

DATE 11/20/2023

REVISIONS

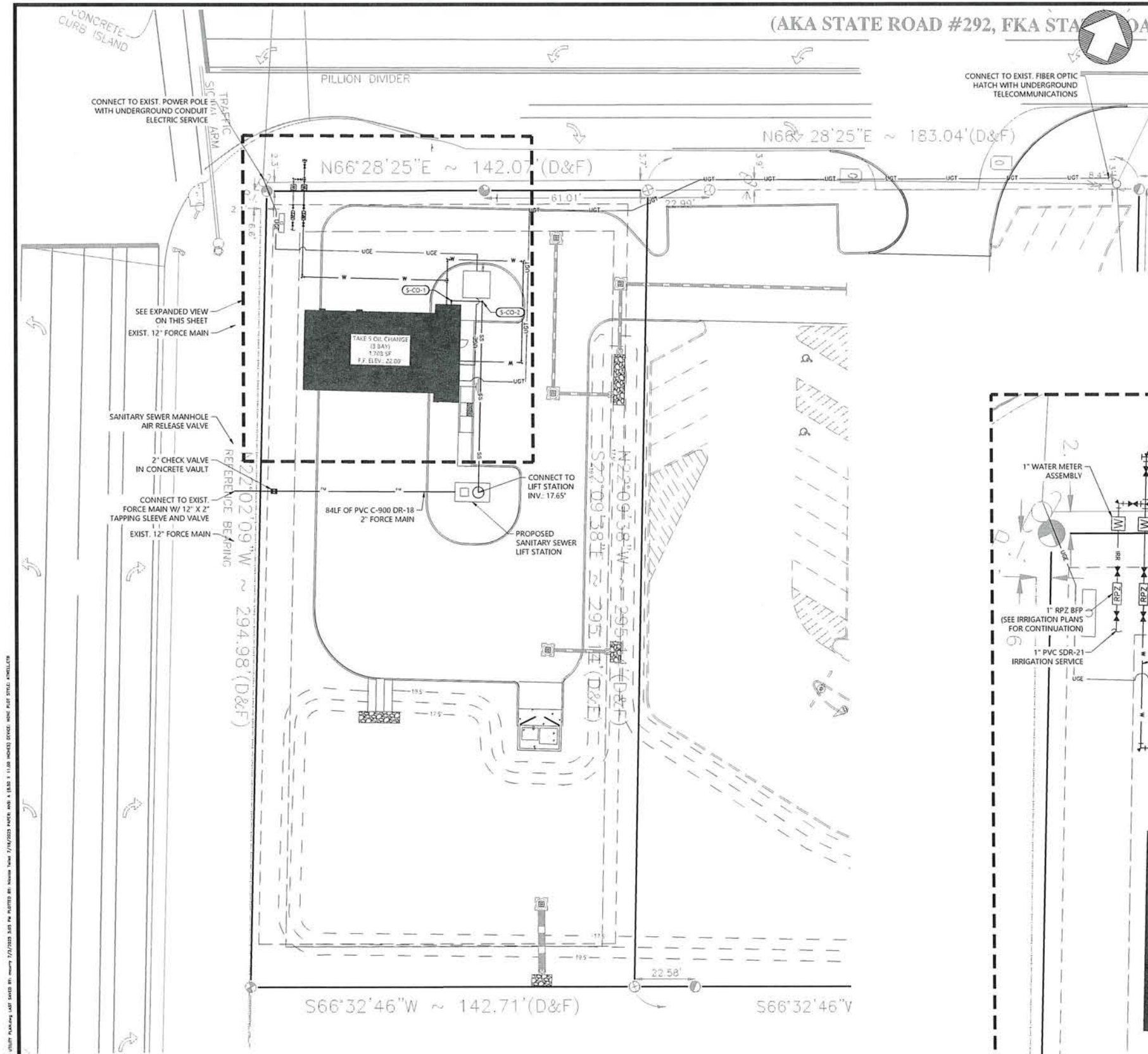
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

0 10' 20'
SCALE 1"=20'

DRAWN BY: MJC / WJC
CHECKED BY: GP
PROJECT MANAGER: KSH
JOB #: 23002956
FILE CODE: ##
SHEET NO: C200

NOT-ISSUED-FOR-CONSTRUCTION

FILE NAME: I:\23002956-Subarea-1\23002956-Subarea-1.dwg DATE: 11/20/2023 11:00:00 AM USER: JHARRIS PROJECT: TAKE 5 OIL CHANGE (3 BAY) SHEET: C300



NOTES:

- ALL ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
- CONTRACTOR SHALL PROVIDE ENGINEER OF RECORD WITH DRAINAGE SHOW DRAWING PRIOR TO FABRICATION OF ANY STRUCTURE.
- THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND ARE BASED ON FIELD OBSERVATION AND / OR AVAILABLE PLANS. THE EXACT LOCATION MAY VARY.
- IF UPON EXCAVATION, AN EXISTING UTILITY IS FOUND THAT IS NOT SHOWN IN THE PLANS OR TO BE IN CONFLICT WITH THE PROPOSED CONSTRUCTION (OR SIZE MATERIAL DIFFERENT FROM THAT SHOWN ON THE PLANS), THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF RECORD.
- ANY DAMAGE TO THE EXISTING FACILITIES INCLUDING, BUT NOT LIMITED TO, TREES, LANDSCAPING, IRRIGATION, FENCES, GATES, WALLS, SIDEWALK, AND OTHER PAVEMENT SURFACES (NOT CALLED OUT IN PLANS TO BE DEMOLISHED) SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE. CONTRACTOR SHALL RESTORE ANY FACILITIES OUTSIDE LIMITS OF WORK AFFECTED BY THE CONSTRUCTION OPERATIONS AT NO ADDITIONAL COST.
- DIMENSIONS BETWEEN UTILITIES ARE OUTSIDE OF PIPE TO OUTSIDE OF PIPE.
- CONTRACTOR SHALL MAINTAIN 1" VERTICAL SEPARATION FROM ALL UTILITY CROSSINGS.

PLAN LEGEND

---	PROJECT PROPERTY LINE
---	SURFACE / EXISTING FEATURE
W	PROPOSED DOMESTIC WATER LINE
IRR	PROPOSED IRRIGATION WATER LINE
SS	PROPOSED SANITARY LINE
UGE	PROPOSED UNDERGROUND ELECTRIC
UGT	PROPOSED UNDERGROUND TELECOMMUNICATION
---	PROPOSED STORM LINE
W	WATER STRUCTURES
S	STORM STRUCTURES
S	SANITARY STRUCTURE
O	SANITARY CLEANOUT (C.O.)
→	FLOW ARROW

NFPA NOTES:

- ALL UNDERGROUND FIRE MAINS WILL BE INSTALLED IN ACCORDANCE WITH NFPA 24, 2013 EDITION, "STANDARD FOR THE INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES". [F.A.C. 69A-60.005(2)].
- ALL FITTINGS, VALVES, AND HYDRANT BRANCHES SHALL BE RESTRAINED AGAINST MOVEMENT BY USING THRUST BLOCKS OR RESTRAINED JOINT SYSTEMS, PER NFPA 24: 8.6.1.
- CORROSION PROTECTION FOR ALL UNDERGROUND BOLTED JOINT ACCESSORIES SHALL BE CLEANED AND THOROUGHLY COATED WITH ASPHALT OR OTHER CORROSION-RETARDING MATERIAL AFTER INSTALLATION IN ACCORDANCE WITH NFPA 24: 10.8.3.5.
- THE MINIMUM DEPTH OF COVER TO PREVENT MECHANICAL DAMAGE SHALL BE 30-INCHES MEASURED FROM THE FINAL GRADE TO THE TOP OF THE PIPE OF ALL UNDERGROUND FIRE AND WATER MAINS. PIPE UNDER VEHICULAR TRAFFIC AREAS SHALL BE BURIED AT A MINIMUM DEPTH OF 3-Feet; IN ACCORDANCE WITH NFPA 24: 10.4.

NOTE A: IS ANTICIPATED THAT EACH RESPECTIVE UTILITY PROVIDER WILL DESIGN AND PERMIT THE OFF-SITE SERVICE LATERALS. THE CONTRACTOR SHALL COORDINATE UTILITY WORK WITH ON-SITE ACTIVITIES AND CONSTRUCT ON-SITE SERVICE LATERALS NOT CONSTRUCTED BY THE UTILITY COMPANY.

SITE LIGHTING:

- REFER TO THE MEP ELECTRICAL SITE PLANS FOR SITE LIGHTING CONDUIT AND LIGHT LOCATIONS.

SANITARY SEWER STRUCTURES TABLE

ID	TYPE	RIM/TOP ELEV.	INV. ELEV.	LOCATION
S-CO-1	SANITARY CLEAN OUT	22.09	18.48 (S) 18.48 (E)	N:506087.13 E:1067175.24
S-CO-2	SANITARY CLEAN OUT	21.70	18.36 (W) 18.36 (S)	N:506091.40 E:1067185.85

EXPANDED VIEW
SCALE 1" = 8'



NOTICE
CONSTRUCTION OF THIS SHEET IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF ALL EXISTING UTILITIES.

24 HOUR
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CO.# 28091

SECTION 05, TYP 35, RANGE 31W
10295 SORRENTO ROAD
PENSACOLA
FLORIDA

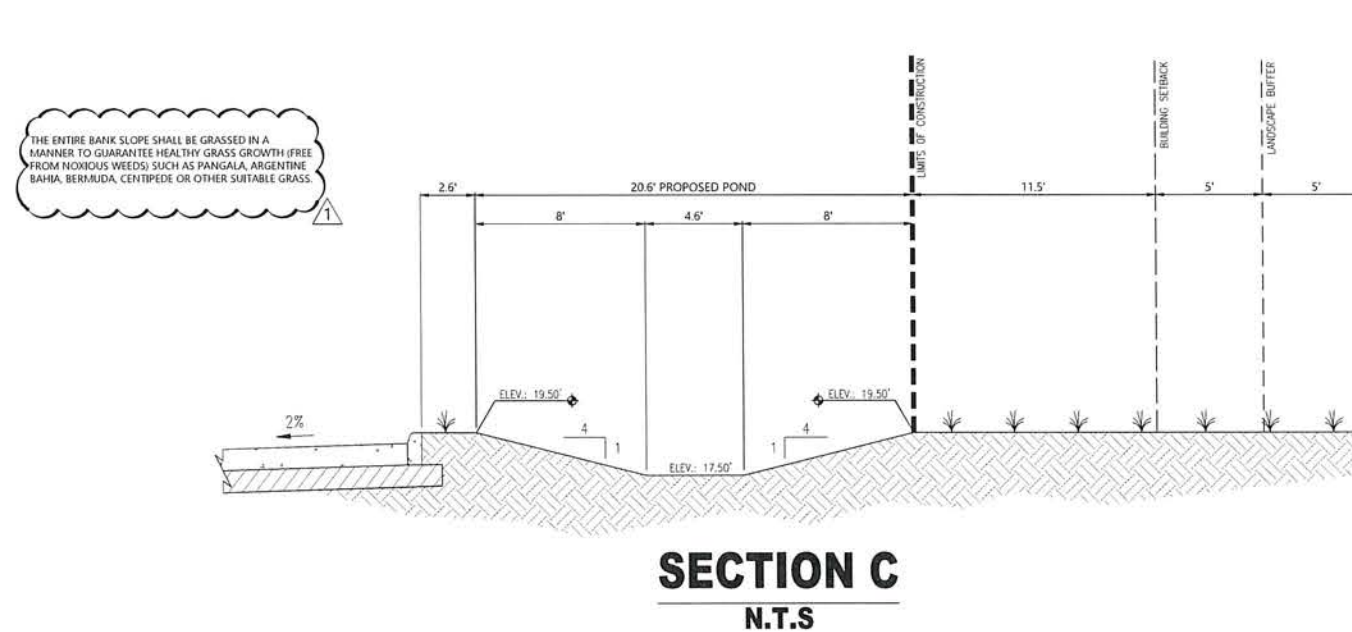
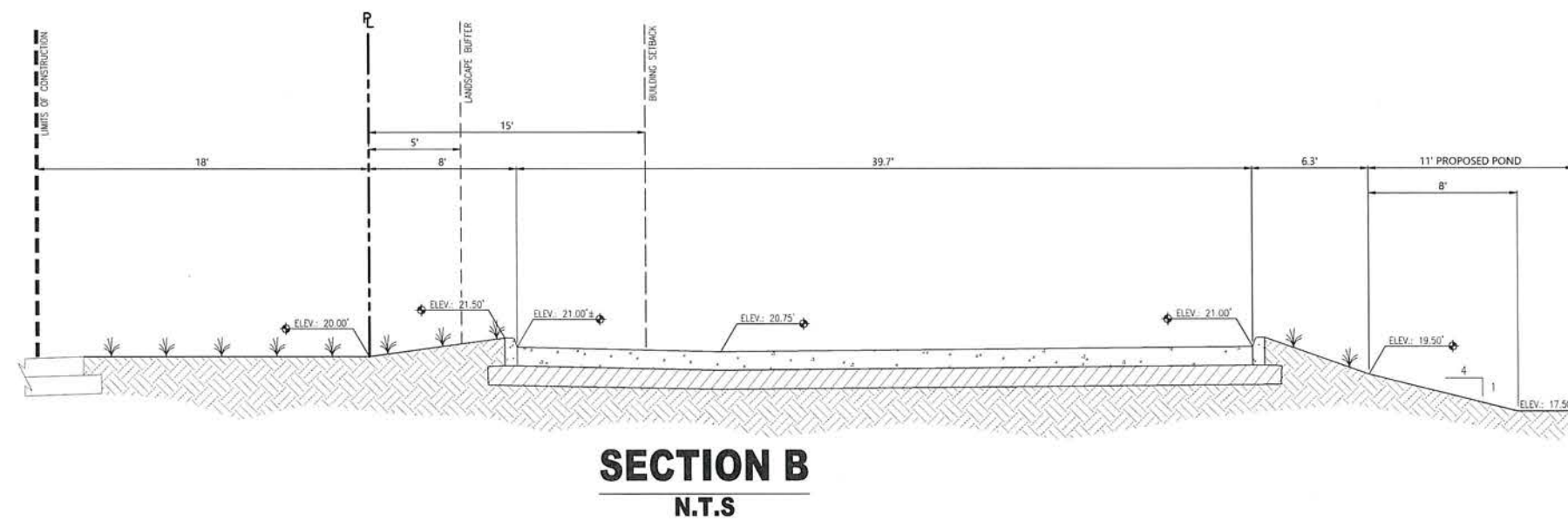
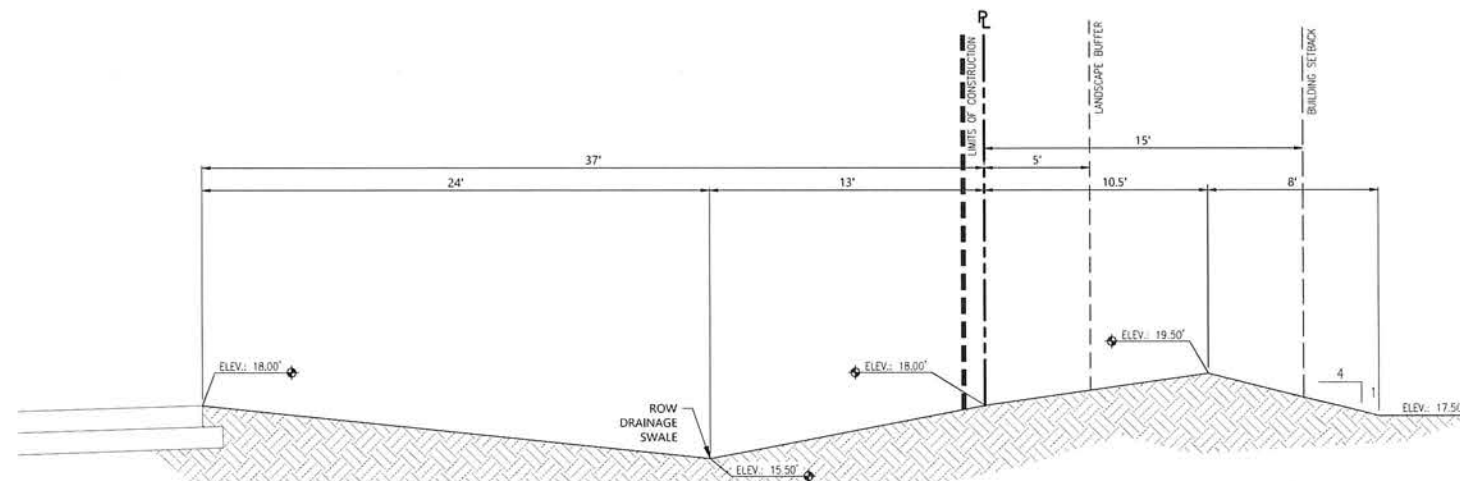
TAKE 5 EXPRESS OIL CHANGE
DRIVEN BRANDS
CONSTRUCTION PLANS
UTILITY PLAN

DATE 11/20/2023
2023-05-03 ESCAMBIA COUNTY SITE
PLAN COMMENTS

REVISIONS

0 10' 1"=20' XREF
SCALE 1"=10' XREF
DRAWN BY MJC/JWC
CHECKED BY KP
PROJECT MANAGER KSH
JOB # 23002956
FILE CODE #
SHEET NO. **C300**

NOT-ISSUED-FOR-CONSTRUCTION CAD FILE C300.UTLITYPLAN



THE ENTIRE BANK SLOPE SHALL BE GRASSED IN A MANNER TO GUARANTEE HEALTHY GRASS GROWTH (FREE FROM NOXIOUS WEEDS) SUCH AS PANGALA, ARGENTINE BAHIA, BERMUDA, CENTIPEDE OR OTHER SUITABLE GRASS.



THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN PLAIN APPROXIMATELY AND ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL OBTAIN THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREE TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MAY BE OCCURRED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PREPARE ANY AND ALL UNDERGROUND UTILITIES.

NOTICE
CONSTRUCTION SITE SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. NEITHER THE OWNER NOR THE ENGINEER SHALL BE EXPECTED TO ASSUME ANY RESPONSIBILITY FOR SAFETY OF THE WORK, OF PERSONS ENGAGED IN THE WORK, OR OF ANY NEARBY STRUCTURES, OR OF ANY OTHER PERSONS.

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**24 HOUR
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SECTION 05, TWP 3S, RANGE 31W
10295 SORRENTO ROAD
PENSACOLA
ESCAMBIA COUNTY, FLORIDA

SECTIONS

CONSTRUCTION PLANS

DRIVEN BRANDS

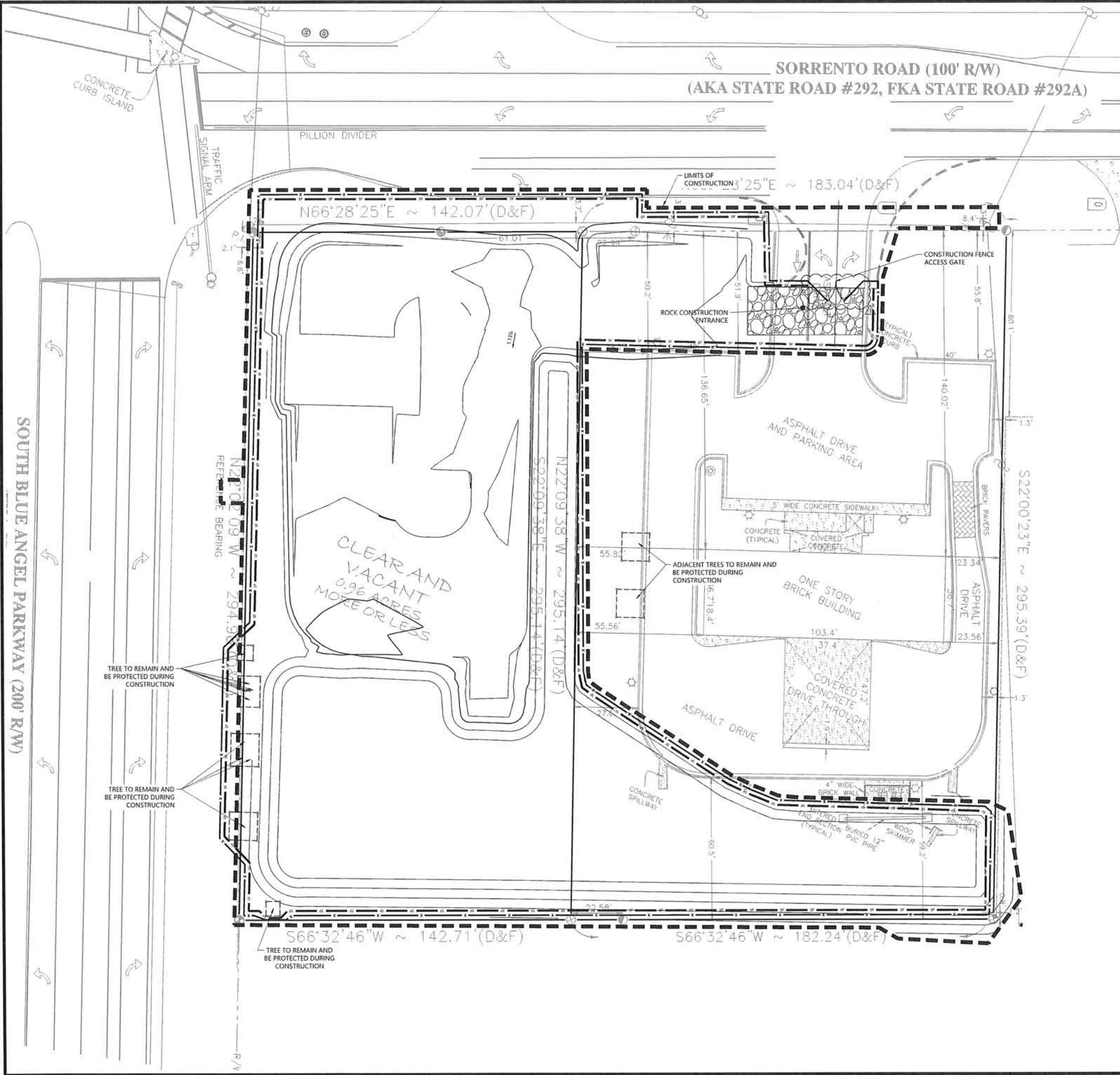
E 5 EXPRESS OIL CHANGE

DATE 11/20/2023

2025-05-09 ESCAMBA COUNTY
PLAN COMMENTS

REVISIONS

DRAWN BY: MJC / WLC
CHECKED BY: KP
PROJECT MANAGER: KSH
JOB #: 23002956
FILE CODE: ##
SHEET NO. C330



DEMOLITION AND UTILITY ADJUSTMENT NOTES:

1. DEMO LIMITS REPRESENT EXPECTED AREA OF DEMOLITION. ANY ROADWAYS, GUTTERS, CURBS, DRIVEWAYS, OR SIDEWALKS LOCATED WITHIN THESE LIMITS MAY NEED TO BE REMOVED DURING THE INSTALLATION OF THE STORM SEWER SYSTEM. THE CONTRACTOR SHOULD ATTEMPT TO REDUCE THE REQUIRED DEMO AREA AND AVOID REMOVAL OF CURBS, SIDEWALKS, AND DRIVEWAYS WHEN POSSIBLE.
2. ALL EXISTING UTILITIES ARE TO BE PROTECTED AND REMAIN IN SERVICE UNLESS SPECIFICALLY INDICATED IN THE CONSTRUCTION DOCUMENTS.
3. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING ANY PLAN DISCREPANCIES OR FIELD CONFLICTS AND NOTIFYING THE ENGINEER OF RECORD PRIOR TO DEVIATING FROM THE CONSTRUCTION DOCUMENTS.
4. SEE GENERAL NOTES SHEET C002 FOR UTILITY PROVIDER CONTACT INFORMATION. CONTRACTOR MUST COORDINATE ALL UTILITY RELOCATIONS, ADJUSTMENTS, OR REMOVALS WITH UTILITY COMPANY.
5. ALL DISTURBED SURFACE AREAS TO BE RESTORED TO EXISTING OR IMPROVED CONDITIONS.
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7. CONTRACTOR MUST PROVIDE ADVANCE NOTIFICATION TO RESPECTIVE UTILITY COMPANY AND COORDINATE ACTIVITIES WITHIN THE PROJECT SITE. NO UTILITY ADJUSTMENTS OR RELOCATIONS ARE TO OCCUR WITHOUT THE CONTRACTOR RECEIVING APPROVAL FROM THE UTILITY OWNER.
8. NO UTILITY ADJUSTMENTS, RELOCATIONS, OR MODIFICATIONS SHOULD BE PERFORMED OUTSIDE THE RIGHT OF WAY WITHOUT WRITTEN APPROVAL FROM THE RESPECTIVE PROPERTY OWNER. ALL INDIVIDUAL SERVICES SHOULD BE MAINTAINED AT ALL TIMES.
9. EXISTING UTILITY SERVICES TO BE MAINTAINED AT ALL TIMES. EMPLOY TEMPORARY FACILITIES AND CONTROLS AS LONG AS NEEDED FOR THE SAFE AND PROPER COMPLETION OF THE WORK. REMOVE ALL SUCH TEMPORARY FACILITIES AND CONTROLS AS RAPIDLY AS PROGRESS OF THE WORK WILL PERMIT, OR AS DIRECTED BY THE OWNER.
10. REFER TO THE SITE PLAN SHEETS FOR ADDITIONAL INFORMATION.
11. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ACCURATE AS-BUILT SURVEY INFORMATION DURING CONSTRUCTION OF ALL UTILITY ADJUSTMENTS, RELOCATIONS, REMOVALS, AND INSTALLATIONS. THE CONTRACTOR MUST PROVIDE A DETAILED AS-BUILT CERTIFIED BY A PROFESSIONAL SURVEYOR TO THE CITY'S ENGINEER PRIOR TO PROJECT CLOSEOUT.
12. CONTRACTOR TO FIELD VERIFY THAT EXISTING STORMWATER INLETS CONNECT TO THE EXISTING EXFILTRATION SYSTEM, ALL STORM INLETS AND PIPING TO BE REMOVED.
13. ALL EXISTING SANITARY LATERALS ARE TO BE REMOVED AND CAPPED AT THE ROW LINE. THE ABANDONED SANITARY LATERAL SHALL BE AS-BUILT.

DEFINITIONS:

1. REMOVE: DETACH ITEMS FROM EXISTING CONSTRUCTION AND LEGALLY DISPOSE OF THEM OFF-SITE UNLESS INDICATED TO BE SALVAGED OR RECYCLED. COORDINATE WITH THE UTILITY REPRESENTATIVES THE DISPOSITION OF ITEMS OWNED BY THE UTILITY COMPANIES. OFF-SITE DISPOSAL IS BY THE CONTRACTOR.
2. SALVAGE: DETACH ITEM FROM EXISTING CONSTRUCTION, PROTECT FROM DAMAGE AND DELIVER THEM TO OWNER READY FOR REUSE. COORDINATE DELIVERY LOCATION WITH OWNER AND PROVIDE DELIVERY.
3. REMAIN: EXISTING ITEMS OF CONSTRUCTION THAT ARE NOT TO BE RAZED AND THAT ARE NOT OTHERWISE INDICATED TO BE REMOVED OR SALVAGED. PROVIDE TEMPORARY PROTECTION DURING THE CONSTRUCTION PERIOD. PROVIDE ADJUSTMENTS AS REQUIRED BY PLANS.
4. REFURBISH: RENOVATE EXISTING STRUCTURE/APPURTENANCE TO CURRENT SPECIFICATIONS. PROTECT DURING CONSTRUCTION.
5. TO BE TAKEN OUT OF SERVICE: ABANDONMENT IN PLACE OF UTILITY LINES ALONG UNEXCAVATED AREAS PER RESPECTIVE UTILITY COMPANY REQUIREMENTS. SEE "GROUT FILLING OF EXISTING LINES DETAIL" ON DETAIL SHEET.
6. REPLACE: STRUCTURE OR PIPE TO BE REMOVED AND SIMILAR PRODUCT TO BE INSTALLED AS INDICATED IN THE CONSTRUCTION DOCUMENTS.
7. ADJUST: EXISTING ITEM OF CONSTRUCTION TO BE MOVED OR REPLACED AS NEEDED TO AVOID CONFLICT WITH PROPOSED CONSTRUCTION. COORDINATE WITH THE OWNER OF UTILITIES.

EROSION AND SEDIMENT CONTROL NOTES:

1. THE CONTRACTOR MUST IMPLEMENT AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES REQUIRED TO RETAIN SEDIMENT ON-SITE AND TO PREVENT VIOLATIONS OF THE WATER QUALITY CRITERIA AND STANDARDS IN CHAPTERS 62-4, 62-302, F.A.C. ALL EROSION/SEDIMENT CONTROL PRACTICES MUST BE IN ACCORDANCE WITH THE GUIDELINES AND SPECIFICATIONS IN SECTION 6 OF THE FLORIDA LAND DEVELOPMENT MANUAL.
2. SILT FENCE ALONG THE LIMITS OF CONSTRUCTION AND INLET PROTECTION AT ALL INLETS WITHIN, AND DIRECTLY DOWNSTREAM OF, THE CONSTRUCTION LIMITS SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH FDOT STANDARDS AND SPECIFICATIONS, AND THE CONTRACT DOCUMENTS PRIOR TO CONSTRUCTION.
3. REFER TO THE STORMWATER POLLUTION PREVENTION PLAN, SHEET C003 FOR ADDITIONAL INFORMATION.

PLAN LEGEND	
	STATE RIGHT-OF-WAY LINE
	PROPERTY LINE
	EXISTING FEATURES
	LIMITS OF CONSTRUCTION
	INLET PROTECTION
	CHAIN LINK FENCE & SILT FENCE
	6' CONSTRUCTION FENCE WITH SCREEN
	TREE TO BE PROTECTED



NOTICE: THE LOCATION OF EXISTING UTILITIES SHOWN ON THESE PLANS IS BASED ON RECORD DRAWINGS AND FIELD SURVEY. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES BEFORE CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGES TO EXISTING UTILITIES CAUSED BY THE CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGES TO EXISTING UTILITIES CAUSED BY THE CONSTRUCTION.

NOTICE: THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF ALL EXISTING UTILITIES BEFORE CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGES TO EXISTING UTILITIES CAUSED BY THE CONSTRUCTION.

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SECTION 05, TYP 35, RANGE 31W
10295 SORRENTO ROAD
PENSACOLA
ESCAMBIA COUNTY, FLORIDA

TAKE 5 EXPRESS OIL CHANGE
DRIVEN BRANDS
CONSTRUCTION PLANS
EROSION CONTROL & SEDIMENTATION

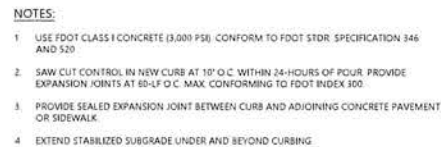
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2023-05-09 ESCAMBIA COUNTY SITE
PLAN COMMENTS

REVISIONS

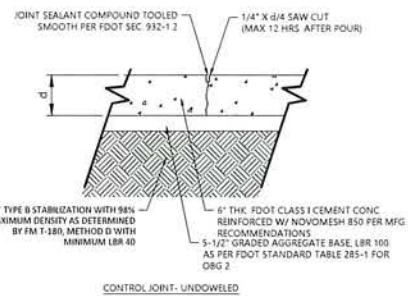
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DRAWN BY MJC / WJC
CHECKED BY KP
PROJECT MANAGER KSH
JOB # 23002956
FILE CODE #
SHEET NO. C400

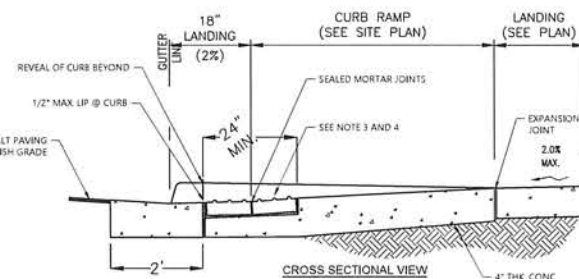
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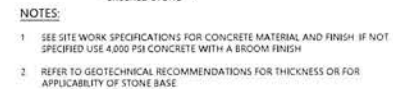
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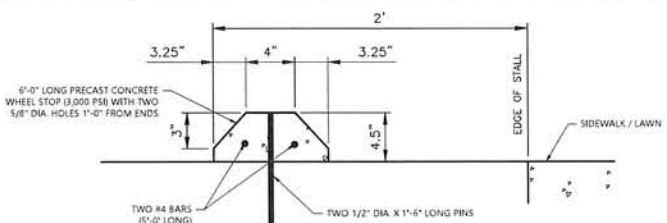
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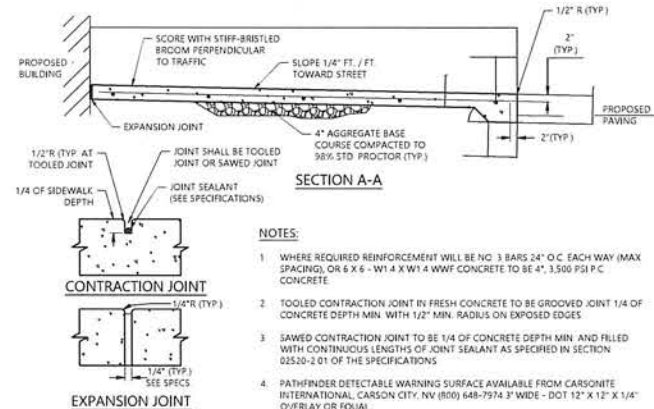
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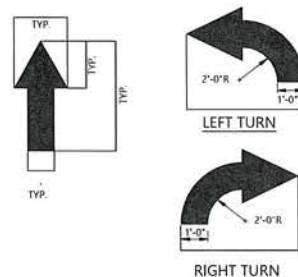
DUMPSTER PAD DETAIL
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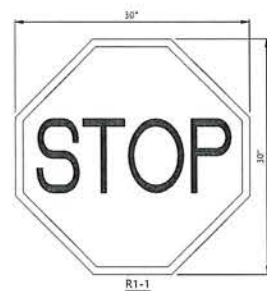
WHEEL STOP DETAILS
N.T.S.



CONCRETE SIDEWALK AT BUILDING
N.T.S.



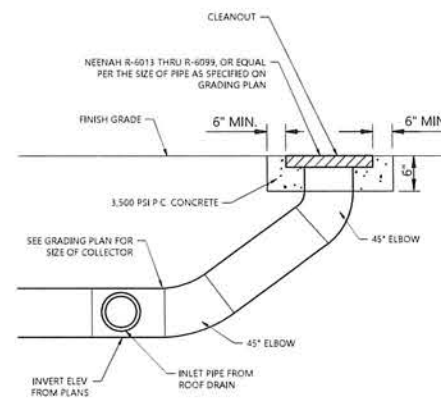
PARKING LOT FLOW ARROW
N.T.S.



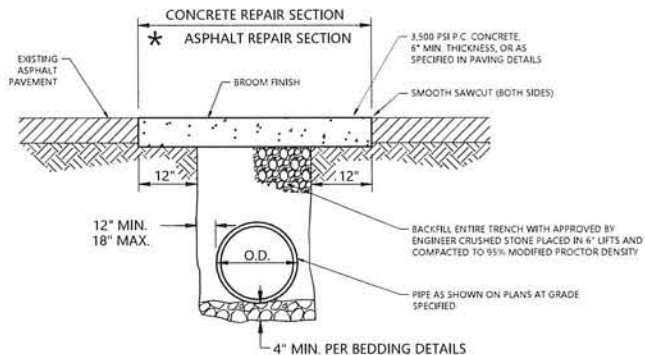
SIGN CRITERIA

BACKGROUND: RED
LETTERING: WHITE
BORDER: WHITE
REFERENCE: MUTCD

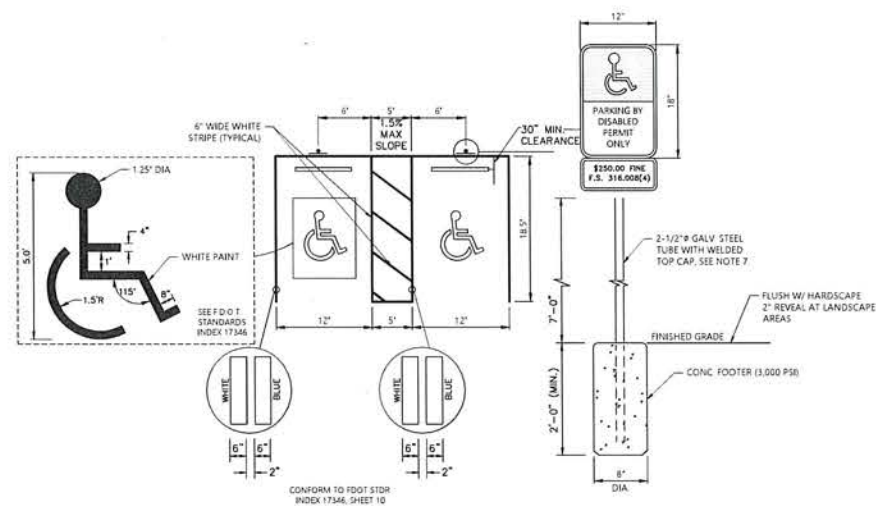
"STOP" SIGN DETAIL (R1-1)
N.T.S.



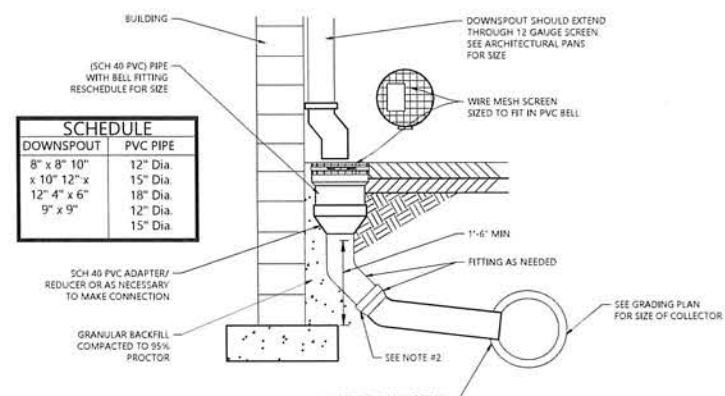
STORM DRAIN CLEAN-OUT
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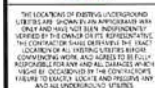
ASPHALT STREET OR DRIVE CUT / REPAIR
N.T.S.



HANDICAP PARKING DETAIL
N.T.S.



DOWNSPOUT COLLECTOR
N.T.S.



NOTICE
CONSTRUCTION SITE SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. NEITHER THE OWNER NOR THE ENGINEER SHALL BE EXPECTED TO ASSUME ANY RESPONSIBILITY FOR SAFETY OF THE WORK, OF PERSONS ENGAGED IN THE WORK, OR OF ANY NEARBY STRUCTURES, OR OF C

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SECTION 05, TWP 35, RANGE 31W
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ESCAMBIA COUNTY, FLORIDA

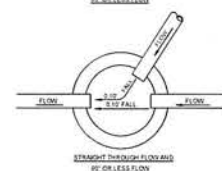
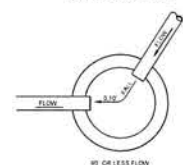
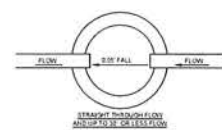
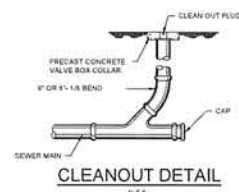
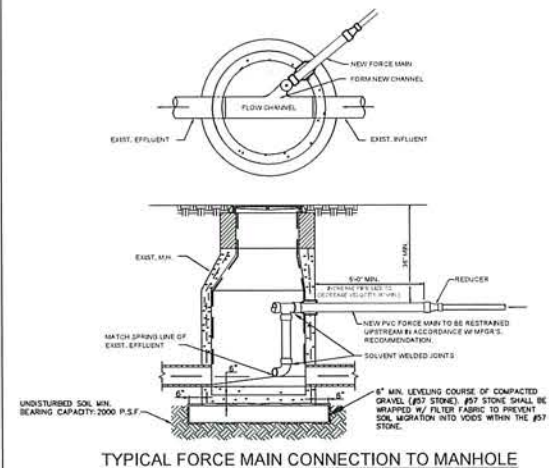
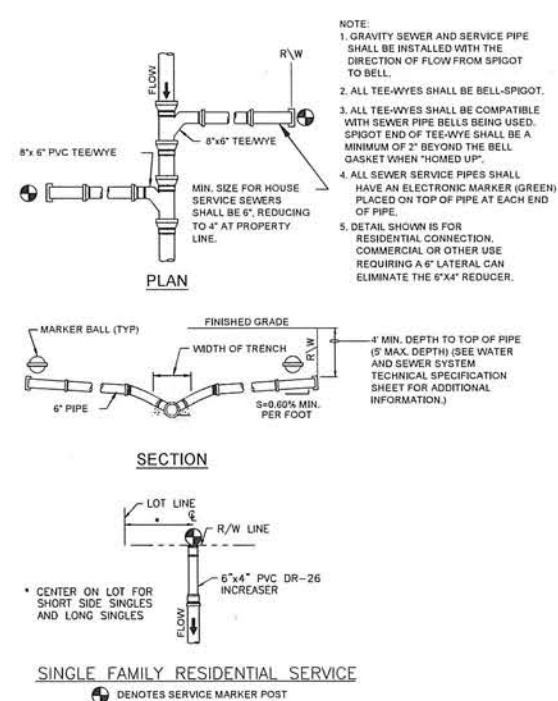
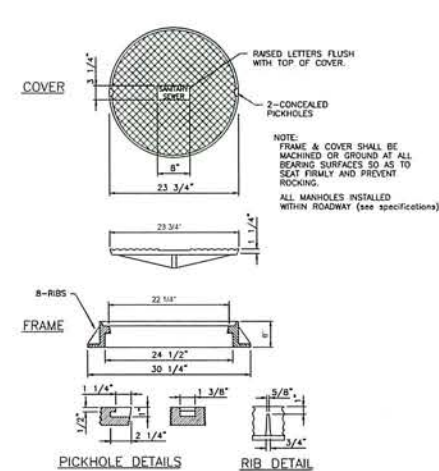
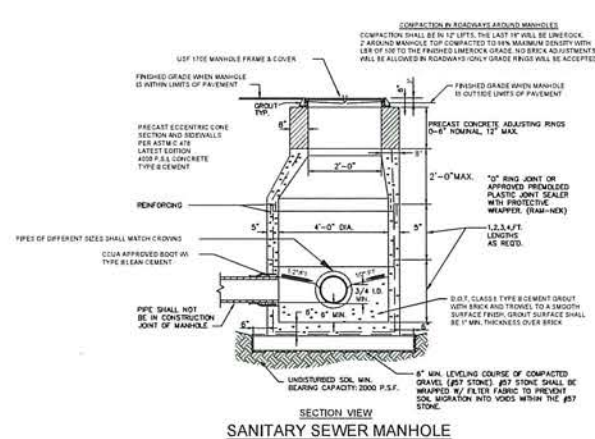
DRIVEN BRANDS
CONSTRUCTION PLANS
DETAILS

DATE 11/20/2023

2025-05-09 ESCAMBA COUNTY S
PLAN COMMENTS

REVISIONS

DRAWN BY: MJC / WLC	
CHECKED BY: KP	
PROJECT MANAGER: KSH	
JOB #: 23002956	
FILE CODE: ##	
SHEET NO	C500

ELEVATION DIFFERENCE
ACROSS MANHOLE

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN ON AN APPROPRIATE ORDER AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND AGREE TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES IN ANY EVENT BE OCCASIONED BY THE CONTRACTOR FAILING TO EXACTLY LOCATE AND PRESERVE ALL AND ALL UNDERGROUND UTILITIES.

NOTICE
CONSTRUCTION SITE SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. NEITHER THE OWNER NOR THE ENGINEER SHALL BE EXPECTED TO ASSUME ANY RESPONSIBILITY FOR THE WORK, OR PERSONS ENGAGED IN THE WORK, OF ANY NEARBY STRUCTURES, OR ANY OTHER PERSONS.

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SECTION 05, TWP 3S, RANGE 31W
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PENSACOLA
PENSACOLA COUNTY, FLORIDA

DRIVEN BRANDS
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DETAILS

DATE 11/20/2023

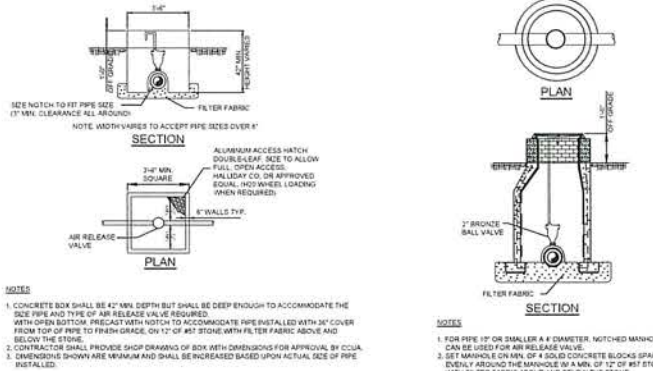
2025-05-09 ESCAMBARA COUNTY
BY: J. A. CORRALES

REVISIONS

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CHECKED BY: KP
PROJECT MANAGER: KSH
JOB #: 23002956
FILE CODE: ##
SHEET NO. C510

CSTC

NOT ISSUED FOR CONSTRUCTION

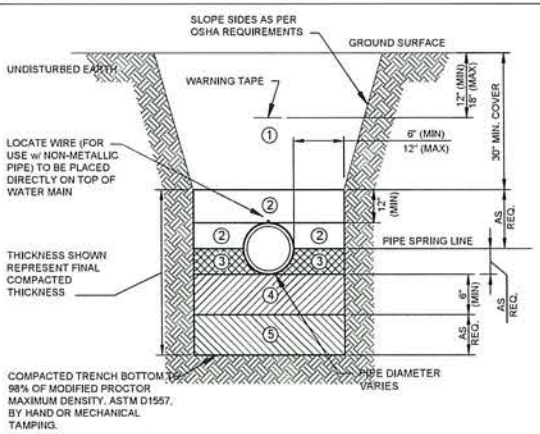


WATER MAIN AIR RELEASE VALVE VAULT
TO BE USED ON ALL PIPES 12" OR LARGER

WATER MAIN AND NON-WATER MAIN SEPARATION REQUIREMENTS - NOTES

- 1. SEPARATION OF WATER AND SEWER MAINS. HORIZONTAL AND VERTICAL SEPARATION BETWEEN POTABLE WATER SYSTEM MAINS AND OR APPURTENANCES AND SANITARY OR STORM SEWERS, WASTEWATER OR STORM WATER FORCE MAINS, AND RECLAIMED WATER MAINS SHALL BE IN ACCORDANCE WITH RULE 62-555.314 F.A.C.
- 2. NEW OR RELOCATED UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED STORM SEWER, STORM WATER FORCE MAIN, RECLAIMED WATER MAIN REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C. OR PROPOSED VACUUM-TYPE SANITARY SEWER.
- 3. NEW OR RELOCATED UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST SIX FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED GRAVITY- OR PRESSURE-TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C. THE MINIMUM HORIZONTAL SEPARATION DISTANCE BETWEEN WATER MAINS AND GRAVITY-TYPE SANITARY SEWERS SHALL BE REDUCED TO THREE FEET WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST SIX INCHES ABOVE THE TOP OF THE SEWER.
- 4. NEW OR RELOCATED UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED GRAVITY- OR VACUUM-TYPE SANITARY SEWER OR STORM SEWER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST SIX INCHES AND PREFERABLY 12 INCHES ABOVE, OR AT LEAST 12 INCHES BELOW, THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE (SEE CROSSING 'A' AS SHOWN ON DETAIL SHEET NAT-02).
- 5. NEW OR RELOCATED UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED PRESSURE-TYPE SANITARY SEWER, WASTEWATER OR STORM WATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST 12 INCHES ABOVE OR BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.
- 6. AT THE UTILITY CROSSINGS DESCRIBED IN PARAGRAPHS (4) AND (5) ABOVE, ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THE WATER MAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE. ALTERNATIVELY, IF SUCH CROSSINGS, THE PIPES SHALL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST THREE FEET FROM ALL JOINTS IN VACUUM-TYPE SANITARY SEWERS, STORM SEWERS, STORM WATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C. AND AT LEAST SIX FEET FROM ALL JOINTS IN GRAVITY- OR PRESSURE-TYPE SANITARY SEWERS, WASTEWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.
- 7. NEW OR RELOCATED FIRE HYDRANTS SHALL BE LOCATED SO THAT THE HYDRANTS ARE AT LEAST THREE (3) FEET FROM ANY EXISTING OR PROPOSED STORM SEWER, STORM WATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER, AT LEAST THREE (3) FEET, AND PREFERABLY TEN (10) FEET, FROM ANY EXISTING OR PROPOSED VACUUM-TYPE SANITARY SEWER, AT LEAST SIX (6) FEET, AND PREFERABLY TEN (10) FEET, FROM ANY EXISTING OR PROPOSED GRAVITY OR PRESSURE-TYPE SANITARY SEWER OR WASTEWATER FORCE MAIN.
- 8. WHERE AN UNDERGROUND WATER MAIN IS BEING LAID LESS THAN THE REQUIRED MINIMUM HORIZONTAL DISTANCE FROM ANOTHER PIPELINE AND WHERE AN UNDERGROUND WATER MAIN IS CROSSING ANOTHER PIPELINE AND JOINTS IN THE WATER MAIN ARE BEING LOCATED LESS THAN THE REQUIRED MINIMUM DISTANCE FROM JOINTS IN THE OTHER PIPELINE, THE CONTRACTOR SHALL CONSULT THE DESIGN ENGINEER TO OBTAIN APPROVAL OF ANY ALTERNATIVE CONSTRUCTION METHODS PRIOR TO CONSTRUCTION.

NOTES ON UTILITY SEPARATION REQUIREMENTS



- 1 FINAL BACKFILL - CLEAN, WELL GRADED MATERIAL IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACT SPECIFICATIONS. FINAL BACKFILL SHALL BE INSTALLED IN LIFTS NOT EXCEEDING 6 INCHES. LOOSE MEASUREMENT, AND SHALL BE COMPACTED TO AT LEAST 95% (UNPAVED) AND 98% (PAVED) MODIFIED PROCTOR MAXIMUM DRY DENSITY, ASTM D-1557, BY HAND OR MECHANICAL TAMPING.
- 2 INITIAL BACKFILL - CLEAN, WELL GRADED MATERIAL IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACT SPECIFICATIONS. INITIAL BACKFILL SHALL BE INSTALLED IN LIFTS NOT EXCEEDING 6 INCHES. LOOSE MEASUREMENT, AND SHALL BE COMPACTED TO AT LEAST 95% MODIFIED PROCTOR MAXIMUM DRY DENSITY, ASTM D-1557. BACKFILL SHALL EXTEND TO THE TOP OF THE PIPE AFTER COMPACTION. ALL LIFTS SHALL BE COMPACTED BY HAND TAMPING OR AN APPROVED METHOD OF MECHANICAL TAMPING. DEWATERING SHALL CONTINUE UNTIL BACKFILL IS COMPACTED AT LEAST 2 FEET ABOVE PIPE.
- 3 HAUNCHING - CLEAN, WELL GRADED MATERIAL IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACT SPECIFICATIONS. HAUNCHING SHALL BE INSTALLED IN COMPLETELY DEWATERED TRENCHES, IN LIFTS NOT EXCEEDING 4 INCHES. LOOSE MEASUREMENT, AND SHALL BE COMPACTED TO AT LEAST 98% MODIFIED PROCTOR MAXIMUM DRY DENSITY, ASTM D-1557, BY HAND TAMPING. HAUNCHING SHALL BE BROUGHT UP EQUALLY ON BOTH SIDES OF THE PIPE. COMPACT BACKFILL TO MID-PIPE.
- 4 BEDDING - CLEAN, WELL GRADED MATERIAL IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACT SPECIFICATIONS. BEDDING SHALL BE INSTALLED IN COMPLETELY DEWATERED TRENCHES, IN LIFTS NOT EXCEEDING 4 INCHES. LOOSE MEASUREMENT, AND SHALL BE COMPACTED TO AT LEAST 98% MODIFIED PROCTOR MAXIMUM DRY DENSITY, ASTM D-1557, BY HAND TAMPING OR MECHANICAL TAMPING. PROPERLY SHAPED BELL HOLES SHALL BE EXCAVATED IN THE COMPACTED BEDDING TO PERMIT ASSEMBLY OF THE PIPE. SEE SPECIFICATIONS FOR UNSUITABLE MATERIALS EXCAVATION IF REQUIRED. TRENCH BOTTOM IS AT BOTTOM OF PIPE IF UNSUITABLE MATERIAL IS NOT ENCOUNTERED.
- 5 NOTE - NATIVE UNDISTURBED MATERIAL IN COMPLETELY DEWATERED TRENCHES MEETING THE COMPACTION AND MATERIAL REQUIREMENTS FOR COMPACTED BEDDING MATERIAL NEED NOT BE REPLACED OR REWORKED, EXCEPT FOR SHAPING OF BELL HOLES, AND WHERE REFILL IS REQUIRED.
- 6 REFILL - REQUIRED WHERE TRENCH HAS BEEN OVER-EXCAVATED. REFILL SHALL BE INSTALLED IN COMPLETELY DEWATERED TRENCHES, IN LIFTS NOT EXCEEDING 6 INCHES AND SHALL BE COMPACTED TO 98% OF ASTM D-1557 MAX DRY DENSITY, BY HAND OR MECHANICAL TAMPING.

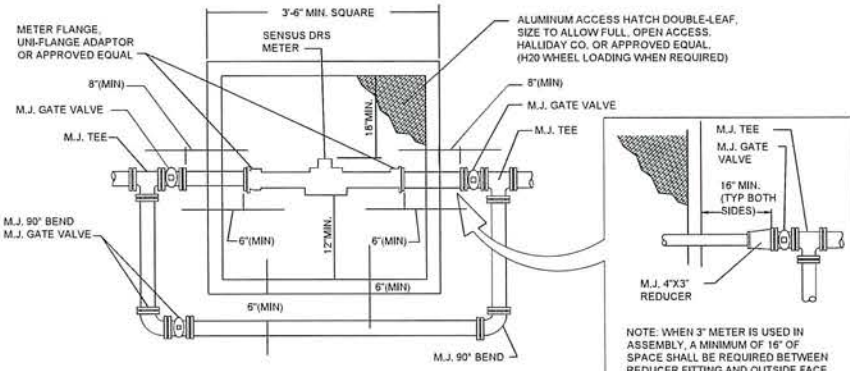
TYPICAL PIPE TRENCH DETAIL (NTS)

LOCATION OF PUBLIC WATER SYSTEM MAINS IN ACCORDANCE WITH F.A.C. RULE 62-555.314

Other Pipe	Horizontal Separation	Crossings (1)	Joint Spacing @ Crossings (Full Joint Centered)
Storm Sewer, Stormwater Force Main, Reclaimed Water (2)	Water Main 3 ft. minimum	Water Main 12 inches is the minimum, except for storm sewer, then 6 inches is the minimum and 12 inches is preferred	Alternate 3 ft. minimum
Vacuum Sanitary Sewer	Water Main 10 ft. preferred 3 ft. minimum	Water Main 12 inches preferred 6 inches minimum	Alternate 3 ft. minimum
Gravity or Pressure Sanitary Sewer, Sanitary Sewer Force Main, Reclaimed Water (4)	Water Main 10 ft. preferred 6 ft. minimum (3)	Water Main 12 inches is the minimum, except for gravity sewer, then 6 inches is the minimum and 12 inches is preferred	Alternate 6 ft. minimum
On-Site Sewage Treatment & Disposal System	10 ft. minimum	---	---

- (1) Water main should cross above other pipe. When water main must be below other pipe, the minimum separation is 12 inches.
- (2) Reclaimed water regulated under Part III of Chapter 62-610, F.A.C.
- (3) 3 ft. for gravity sanitary sewer where the bottom of the water main is laid at least 6 inches above the top of the gravity sanitary sewer.
- (4) Reclaimed water not regulated under Part III of Chapter 62-610, F.A.C.

Disclaimer - This document is provided for your convenience only. Please refer to F.A.C. Rule 62-555.314 for additional construction requirements.

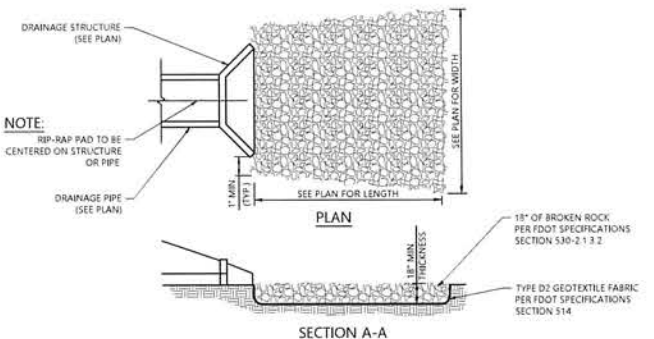


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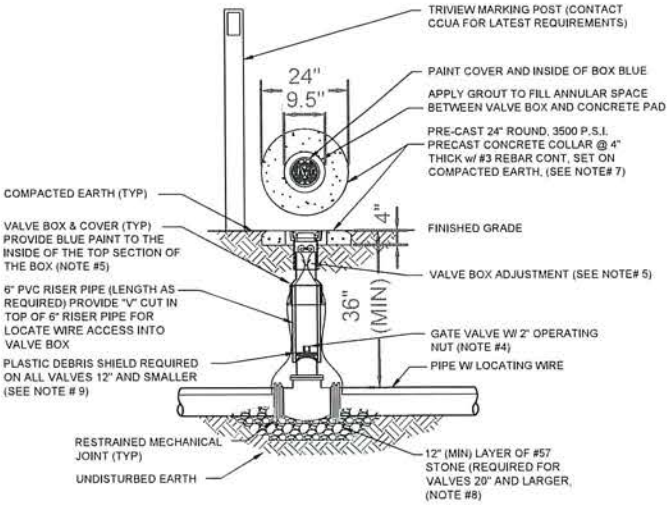
- 1. ALL PIPE TO BE D.I. (MINIMUM 4")
- 2. ALL VALVES & FITTINGS TO BE DUCTILE IRON, (MINIMUM 4")
- 3. MINIMUM LENGTH OF 8 DIAMETERS OF STRAIGHT PIPE TO BE INSTALLED ON INLET SIDE OF METER.
- 4. ALL PIPE AND FITTINGS TO BE SAME SIZE AS METER, (EXCEPT 3" METER SHALL HAVE 4" PIPE AND FITTINGS)
- 5. CONC. BOX SHALL BE A MINIMUM OF 42" DEEP WITH OPEN BOTTOM, PRECAST WITH NOTCH TO ACCOMMODATE PIPE INSTALLED 36" DEEP, INSTALLED ON 12" OF #57 STONE.
- 6. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS OF BOX WITH DIMENSIONS FOR APPROVAL BY CCUA.
- 7. THE COST OF THE METER WILL BE ASSESSED TO DEVELOPER UNDER SEPARATE AGREEMENT. THE METER ONLY WILL BE FURNISHED TO THE CONTRACTOR BY THE CLAY COUNTY UTILITY AUTHORITY AND THE CONTRACTOR SHALL INSTALL THE METER TO COMPLETE THE INSTALLATION SHOWN HEREON.
- 8. PIPES COMING IN AND GOING OUT OF BOX SHALL BE 36" DEEP. CONTRACTOR SHALL BE RESPONSIBLE TO ADJUST THE ELEVATION OF THESE PIPES. USE OF BENDS ARE PERMITTED TO ACHIEVE THIS.
- 9. FOR ANY SIZE WATER AND FIRE LINE METERS NOT LISTED, THE CONTRACTOR SHALL SUBMIT ALL NECESSARY SUBMITTALS TO BE APPROVED BY CCUA.

METER VAULT DIMENSIONS (OVER 8" CONTACT CCUA ENGINEERING DEPARTMENT)			
METER TYPE	3" and 4" VAULT DIMENSIONS	6" VAULT DIMENSIONS	8" VAULT DIMENSIONS
SENSUS TURBINE	4'-0" OUTSIDE 3'-0" INSIDE	4'-4" OUTSIDE 3'-6" INSIDE	4'-6" OUTSIDE 3'-6" INSIDE
SENSUS COMPOUND	4'-0" OUTSIDE 3'-0" INSIDE	4'-6" OUTSIDE 3'-0" INSIDE	4'-6" OUTSIDE 3'-0" INSIDE
SENSUS F2	5'-0" OUTSIDE 4'-0" INSIDE	6'-0" OUTSIDE 5'-0" INSIDE	6'-10" OUTSIDE 5'-0" INSIDE
MACROMETER PROPELLER	4'-0" OUTSIDE 3'-0" INSIDE	4'-6" OUTSIDE 3'-6" INSIDE	4'-6" OUTSIDE 3'-6" INSIDE

METER VAULT - 3" AND LARGER METERS



RIP-RAP PAD
N.T.S.



NOTES

- 1. FOR UNPAVED LOCATIONS, A PRECAST CONCRETE VALVE PAD SHALL BE PROVIDED AND INSTALLED FLUSH WITH GRADE. CONCRETE IS NOT REQUIRED FOR VALVE LOCATED IN THE ROADWAY, UNLESS SHOWN OR NOTED OTHERWISE.
- 2. LOCATING WIRE IS REQUIRED ON ALL PRESSURE PIPING (SEE DETAIL W-44).
- 3. A "V" CUT SHALL BE CARVED IN THE CURB CLOSEST/ADJACENT TO ALL BELOW GRADE VALVES. THE "V" CUT IS TO BE PAINTED GREEN.
- 4. IN PAVED AREAS, INSTALL VALVE AT A DEPTH TO ALLOW A 12" MIN. DISTANCE BETWEEN THE VALVE COVER PLATE AND THE TOP OF THE VALVE OPERATING NUT. OUTSIDE OF PAVED AREAS (GRASS), INSTALL VALVE AT A DEPTH TO ALLOW A 6" MINIMUM DISTANCE BETWEEN THE VALVE COVER AND THE TOP OF THE VALVE OPERATING NUT. OPERATING NUT/STEM EXTENSION SHALL BE PROVIDED (WHERE APPLICABLE) SO THAT THE OPERATING NUT WILL BE NO MORE THAN 30 INCHES BELOW FINISHED GRADE.
- 5. FOR NEW CONSTRUCTION, THE VALVE BOX SHALL BE ADJUSTED TO MIDGRADE TO ALLOW FOR FUTURE BOX ADJUSTMENTS. ROUTE LOCATE WIRES THRU A "V" CUT IN THE TOP OF THE 6" PVC RISER PIPE FOR LOCATE WIRE ACCESS INTO VALVE BOX. THE LOCATE WIRES WITH A 12" LONG PIG-TAIL AT THE TOP SHALL BE CONNECTED TOGETHER WITH A WIRE NUT.
- 6. BRASS IDENTIFICATION TAG INDICATING "WATER", VALVE SIZE, DIRECTION AND TURNS TO OPEN & VALVE TYPE. PROVIDE A 1/4" HOLE IN BRASS TAG AND ATTACH TAG (TWIST WIRE AROUND TAG) TO THE END OF THE LOCATE WIRE. TAGS ARE NOT REQUIRED ON VALVES INSTALLED ON FIRE HYDRANT BRANCH LINES.
- 7. IN LIEU OF PRECAST CONCRETE PAD, A 6" THICK X 24" (ROUND OR SQUARE) POURED CONCRETE PAD W/ #4 REBAR AROUND PERIMETER, MAY BE USED.
- 8. GRAVEL SHALL BE PROVIDED UNDER ALL VALVES 20" AND LARGER. THE MINIMUM VERTICAL LIMIT OF GRAVEL IS 12" UNDER THE VALVE UP TO 1/3 THE OVERALL HEIGHT OF THE VALVE.
- 9. FOR VALVES 12 INCH AND SMALLER, PROVIDE A WHITE OR BLACK PLASTIC DEBRIS SHIELD WHICH INSTALLS BELOW THE OPERATING NUT. THIS SHIELD SHALL CENTER THE RISER PIPE BOX OVER THE OPERATING NUT AND MINIMIZE INFILTRATION. SHIELD SHALL BE BY A.C. BOX/LOK OR APPROVED EQUAL.

WATER VALVE INSTALLATION DETAIL



NOT LOCATIONS OF PUBLIC WATER MAINS AND SEWERS SHALL BE SHOWN ON THE PLANS AND IN THE FIELD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF ALL UTILITIES WHICH ARE NOT SHOWN ON THE PLANS AND IN THE FIELD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF ALL UTILITIES WHICH ARE NOT SHOWN ON THE PLANS AND IN THE FIELD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF ALL UTILITIES WHICH ARE NOT SHOWN ON THE PLANS AND IN THE FIELD.

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SECTION 05, TYP 35, RANGE 31W
10295 SORRENTO ROAD
PENSACOLA
ESCAMBIA COUNTY, FLORIDA

TAKE 5 EXPRESS OIL CHANGE
DRIVEN BRANDS
CONSTRUCTION PLANS
DETAILS

DATE 11/20/2023
2023-09-03 ESCAMBIA COUNTY LIFE PLAN COMMENTS

REVISIONS

DRAWN BY MJC/WLC
CHECKED BY KP
PROJECT MANAGER KSH
JOB # 23002956
FILE CODE #
SHEET NO. C520



NOT A LOCATION OF EXISTING UTILITIES
UTILITIES ARE SHOWN FOR INFORMATION ONLY
THE CONTRACTOR SHALL VERIFY THE LOCATION
OF ALL UTILITIES PRIOR TO ANY
CONSTRUCTION WORK AND SHALL BE RESPONSIBLE
FOR ANY DAMAGE TO UTILITIES. THE CONTRACTOR
SHALL BE RESPONSIBLE FOR ANY DAMAGE TO
UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE
FOR ANY DAMAGE TO UTILITIES.

NOTICE
CONSTRUCTION SITE SAFETY IS THE SOLE
RESPONSIBILITY OF THE CONTRACTOR. THE
OWNER AND ENGINEER SHALL NOT BE
EXTENDED TO ASSUME ANY RESPONSIBILITY FOR
SAFETY OF THE AREA OF PERSONS ENGAGED IN
THE WORK OF ANY MAJOR STRUCTURES OR
ANY OTHER PERSONS.

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SECTION 05, TYP 35, RANGE 31W
10295 SORRENTO ROAD
PENSACOLA
FLORIDA
ESCAMBIA COUNTY, FLORIDA

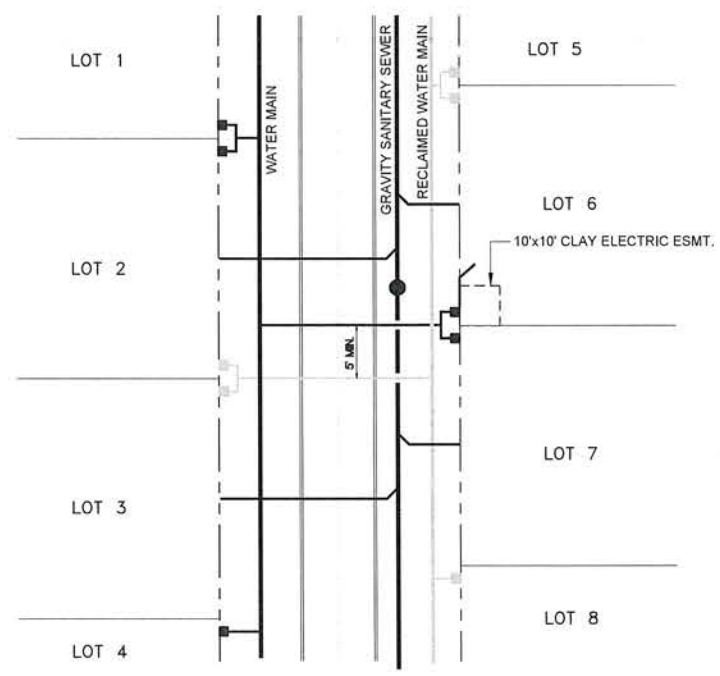
TAKE 5 EXPRESS OIL CHANGE
DRIVEN BRANDS
CONSTRUCTION PLANS
DETAILS

DATE 11/20/2023
2023-05-03 ESCAMBIA COUNTY SITE
PLAN COMMENTS

REVISIONS

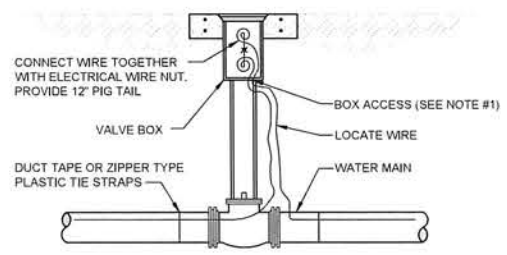
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JOB # 23002956
FILE CODE #
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CAD FILE - C51.DETAILS
NOT-BUILD-FOR-CONSTRUCTION

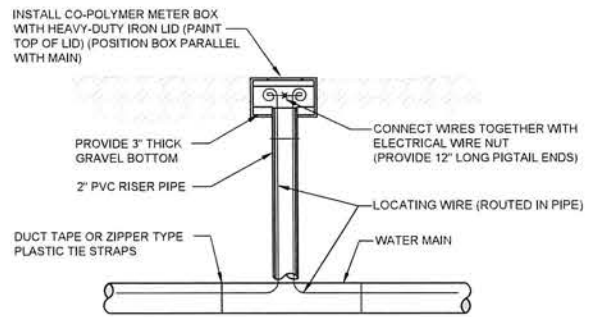


TYPICAL WATER AND SEWER SERVICE LOCATION PLAN

- 1.) ALL WATER AND RECLAIMED DOUBLE SERVICES ON PROPERTY LINE.
- 2.) ANY SINGLE WATER OR RECLAIMED SERVICE LINES ON LOT LINE.
- 3.) ALL SEWER SERVICES ARE TO CENTER OF LOTS.
- 4.) IF FITTINGS ARE REQUIRED TO ACHIEVE 5'-0" SEPARATION BETWEEN THE RECLAIMED AND POTABLE WATER SERVICE LATERALS THEN ASBUILT TIE LOCATIONS WILL BE REQUIRED FOR THE SERVICE FITTINGS. THE OFFSET REQUIRED TO ACHIEVE THE SEPARATION SHALL OCCUR OUTSIDE OF THE PAVED ROADWAY.
- 5.) POTABLE AND RECLAIMED WATER SERVICE LINES SHALL ONLY BE DEEP ENOUGH TO CLEAR THE BOTTOM OF THE UNDERDRAIN TRENCH. MINIMUM COVER SHALL BE MAINTAINED IN ALL CASES.



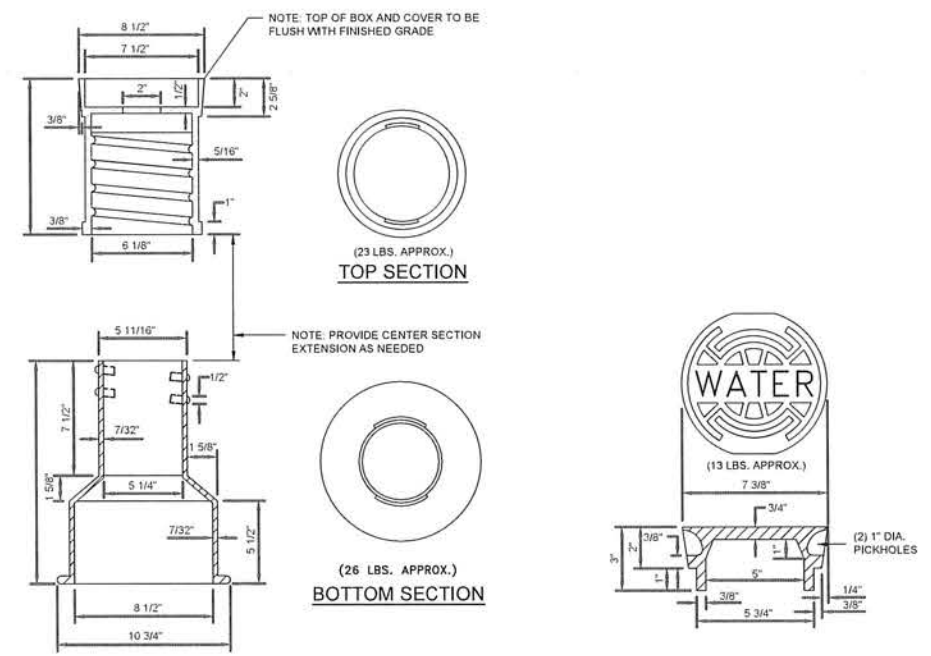
LOCATE WIRE BOX UTILIZING VALVE BOX



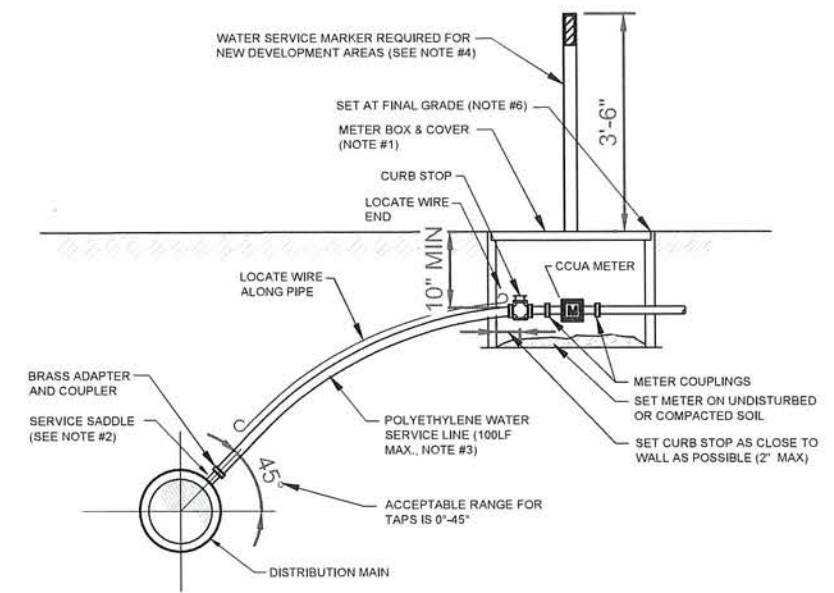
LOCATE WIRE BOX UTILIZING METER BOX

- NOTES
1. LOCATE WIRE SHALL ENTER THE VALVE BOX THROUGH A "Y" CUT IN THE 6" PVC RISER PIPE.

LOCATE WIRE BOX



VALVE BOX AND COVER



- NOTES
1. SEE CCUA APPROVED MATERIALS MANUAL AND SYSTEM DETAILS FOR REQUIREMENTS.
 2. SINGLE BAND SADDLES MAYBE UTILIZED ON NEW 1\"/>
 3. NO OPEN CUT UNDER ROADWAY PAVING ALLOWED UNLESS THE ROADWAY IS BEING RECONSTRUCTED OR IF DIRECTED OTHERWISE BY CCUA. CONSTRUCT POLY LINE WITH 36\"/>
 4. INSTALL PVC PLUG IN ALL CURB STOPS IF WATER SERVICE IS "NOT IN USE" (I.E. IF NO METER IS INSTALLED). IN ADDITION, INSTALL A 6\"/>
 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF THE METER OR ELECTRONIC DEVICES IF DAMAGED BY THE CONTRACTOR DURING THE CONSTRUCTION PERIOD.
 6. METER BOX AND TOP SHALL BE CLEAR OF ALL DEBRIS TO ALLOW FULL ACCESS TO BOX (I.E., NO DIRT, TRASH OR OTHER DEBRIS PLACED ON TOP OF BOX).
 7. LOCATE WIRING REQUIRED ON ALL SERVICES 10' OR GREATER IN LENGTH / OFFSET GREATER THAN 2.0'.

WATER SERVICE DETAIL- 2" AND SMALLER METER

NEW SHEET ADDED

PVC PIPE RESTRAINT NOTES

- THIS SCHEDULE SHALL BE UTILIZED ON ALL WATER, SEWER FORCE MAIN OR RECLAIMED WATER SYSTEMS. ALL FITTINGS SHALL BE RESTRAINED TO LENGTHS INDICATED ON THIS SCHEDULE, AT A MINIMUM.
- ASSUMPTIONS: PVC PIPE, SAFETY FACTOR=1.5, TEST PRESSURE=150PSI, SOIL=GM OR SM, TRENCH TYPE 3, DEPTH OF COVER=30 INCHES FOR 20" AND SMALLER PIPE SIZE OR 36 INCHES FOR 24" AND LARGER PIPE SIZE.
- BENDS AND VALVES: SHALL BE RESTRAINED ON EACH SIDE OF FITTING.
- VERTICAL OFFSETS: ARE APPROX. 3 FEET COVER ON TOP AND APPROX. 8 FEET COVER ON BOTTOM. PER THE DETAILS, L_u IS THE RESTRAINED LENGTH FOR THE UPPER (TOP) LEVEL. L_l IS THE RESTRAINED LENGTH FOR THE LOWER (DEEPER) LEVEL. ASSUME 45 DEGREE BENDS.
- TEES: TOTAL LENGTH BETWEEN FIRST JOINTS OR RESTRAINED LENGTH ON EITHER SIDE OF TEE (RUN) SHALL BE A TOTAL DISTANCE OF 30 FEET (MIN). SEE SCHEDULE ABOVE FOR RESTRAINT LENGTH ON TEE "BRANCH" LINE.
- HDPE TO PVC TRANSITIONS: THE PVC PIPE SIDE SHALL BE RESTRAINED 35 FT (MIN).
- THE INSTALLATION OF BELL HARNESS RESTRAINTS AT PVC JOINTS SHALL BE COMPLETED PER THE MANUFACTURER'S RECOMMENDATION, WHICH INCLUDES NOT OVER TIGHTENING THE PARALLEL RODS/NUTS. THESE NUTS SHOULD ONLY BE SNUG TIGHT. THE HOME MARKS ON THE PIPE SHOULD ALWAYS BE VISIBLE AFTER THE RESTRAINT IS INSTALLED. OVERHOMING THE JOINT MAY CAUSE A FAILURE AT THE BELL RESULTING IN A SERVICE OUTAGE.

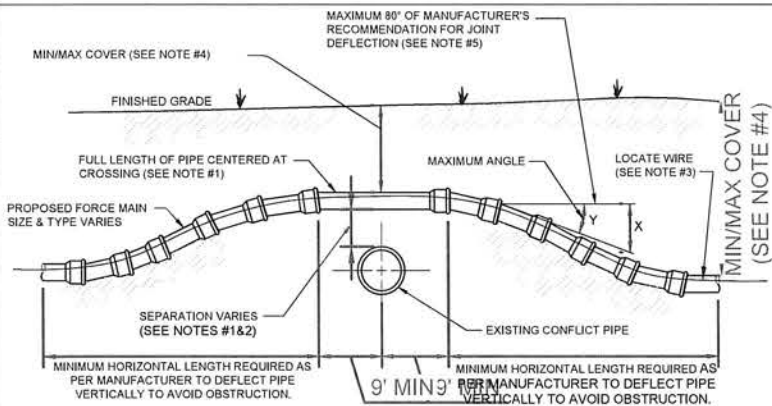
NOMINAL PIPE SIZE (IN.)	HORIZONTAL BENDS				VERTICAL OFFSETS 45° BENDS (SEE NOTE 4)		VALVES OR DEAD ENDS
	90° BENDS L (FT.)	45° BENDS L (FT.)	22.5° BENDS L (FT.)	11.25° BENDS L (FT.)	UPPER L (FT.)	LOWER L (FT.)	
4	20	8	4	2	20	3	50
6	28	10	5	2	28	4	20
8	36	14	6	3	36	5	90
10	40	18	8	4	45	6	110
12	50	20	9	4	52	8	120
14	56	23	10	5	60	9	140
16	60	26	11	6	67	10	160
18	69	29	12	6	74	12	180
20	75	32	13	7	80	13	195
24	76	33	15	7	81	14	200
30	88	36	18	9	97	16	235
36	100	40	20	10	110	20	270
42	115	48	23	11	125	24	300
48	125	52	25	12	140	30	340

SIZE (IN.)	L (FT.)
6x4	35
8x6	35
8x4	65
10x8	35
10x6	65
12x10	35
12x8	65
16x12	65
16x10	95
20x18	35
20x16	65
20x12	120
24x20	65
24x18	95
24x16	120
30x24	80
30x20	150
36x30	80
36x24	150
42x36	80
42x30	150
48x42	80
48x36	150

TEES SEE NOTE 5		
RUN SIZE (IN.)	BRANCH SIZE (IN.)	L (FT.)
4	4	F.O.
4	6	10
4	4 < LESS	F.O.
8	8	30
8	6 < LESS	F.O.
10	10	48
10	8	14
10	6 < LESS	F.O.
12	12	65
12	10	35
12	8 < LESS	F.O.
16	16	100
16	12	40
16	10 < LESS	F.O.
20	20	130
20	16	80
20	12 < LESS	F.O.
24	24	130
24	20	90
24	16	40
24	12 < LESS	F.O.
30	30	140
30	24	80
30	20	50
30	16 < LESS	F.O.
36	36	180
36	30	120
36	24	50
36	20 < LESS	F.O.
42	42	220
42	36	160
42	30	80
42	24	40
42	20 < LESS	F.O.
48	48	250
48	42	180
48	36	90
48	30	40
48	24 < LESS	F.O.

F.O. = FITTING ONLY

PVC PIPE RESTRAINT JOINT SCHEDULE



CASE "A" CROSSING

NOTES

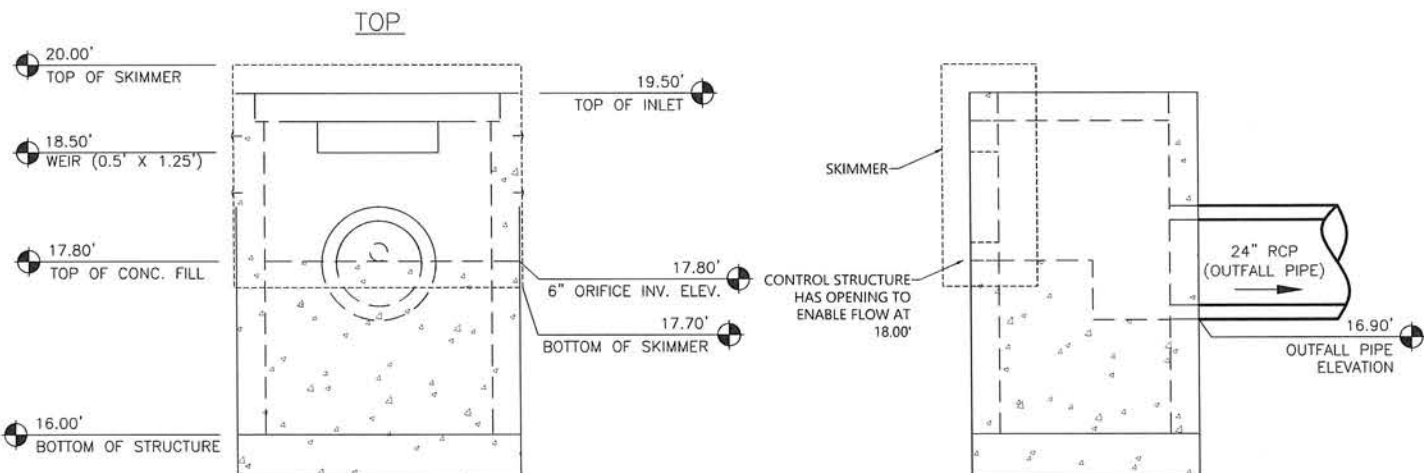
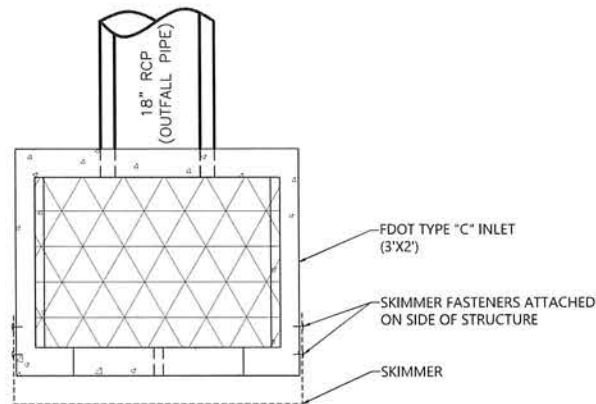
- A FULL LENGTH OF PIPE SHALL BE CENTERED OVER EXISTING UTILITY MAIN TO PROVIDE MAXIMUM JOINT SPACING FOR ALL CROSSING.
- ALL BENDS TO BE RESTRAINED IN BOTH DIRECTIONS PER CCUA REQUIREMENTS TO WITHSTAND 150 P.S.I. PRESSURE TEST.
- LOCATING WIRE REQUIRED.
- THE COVER OVER ALL PIPING SHALL BE MINIMUM OF 36" (PAVED AND UNPAVED) AND MAXIMUM OF 84" UNLESS OTHERWISE APPROVED BY CCUA. THE SOILS BETWEEN THE NEW MAIN AND THE CONFLICT PIPE SHALL BE COMPACTED TO 98% OF THE MAXIMUM DENSITY AS DETERMINED BY THE LABORATORY MODIFIED PROCTOR TEST ASTM D 1557.
- CCUA ONLY ALLOWS 80% OF THE PIPE MANUFACTURER'S RECOMMENDATION FOR JOINT DEFLECTION. BENDING THE PIPE BARREL IS NOT ALLOWED. UNLESS OTHERWISE APPROVED BY CCUA. THE MAXIMUM ARE LISTED IN TABLE BELOW. ONLY MANUAL FORCE CAN BE UTILIZED TO OBTAIN THESE JOINT DEFLECTION. ALL OFFSETS ARE BASED ON MINIMUM 20LF PIPE LENGTH.

MAXIMUM ALLOWED OFFSET FOR PIPE BY JOINT DEFLECTION

PVC PIPE	(X)	(Y)	RESULTING RADIUS OF CURVE WITH 20FT. LENGTHS
PIPE SIZE (IN.)	MAX. OFFSET (IN.)	ANGLE AT ONE BELL	
2	30	7"	158 FT
4	10	2.4"	480 FT
6	10	2.4"	480 FT
8	10	2.4"	480 FT
10	10	2.4"	480 FT
12	8.5	2"	564 FT
14 - 24	5	1.2"	960 FT
30 - 48	3.25	0.8"	1477 FT

DUCTILE IRON PIPE (Mechanical Joint)	(X)	(Y)	RESULTING RADIUS OF CURVE WITH 20FT. LENGTHS
PIPE SIZE (IN.)	MAX. OFFSET (IN.)	ANGLE AT ONE BELL	
-	-	-	-
4	27	6.5"	177 FT
6	24	5.7"	200 FT
8 - 12	17.5	4.2"	273 FT
14 - 16	12	2.9"	400 FT
18 - 20	10	2.4"	477 FT
24 - 30	8	1.9"	600 FT
36	7	1.7"	687 FT
42 - 48	6.7	1.6"	716 FT

ADJUSTMENT OVER EXISTING UTILITIES PIPE JOINT DEFLECTION



CONTROL STRUCTURE DETAIL FDOT TYPE C DETAIL (425-052)



THE LOCATION OF EXISTING UTILITIES, STRUCTURES, AND OTHER FEATURES SHOWN ON THIS PLAN ARE FOR INFORMATION ONLY. THE USER OF THIS PLAN SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTH OF ALL UTILITIES AND STRUCTURES PRIOR TO CONSTRUCTION. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.

NOTICE: CONSTRUCTION OF THIS PROJECT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.

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DETAILS

DATE 11/20/2023

2025-05-01 ESCAMBIA COUNTY SITE PLAN COMMENTS

REVISIONS

DRAWN BY MJC/WJC
CHECKED BY KP
PROJECT MANAGER KSH
JOB # 23002956
FILE CODE #4
SHEET NO. C522

NEW SHEET ADDED

NOT ISSUED FOR CONSTRUCTION
CAD FILE C510 DETAILS