

CONSTRUCTION PLANS FOR MARY ANNETTA ESTATES

A 45 LOT PRIVATE RESIDENTIAL SUBDIVISION DEVELOPMENT IN
SECTION 11, TOWNSHIP 1 SOUTH, RANGE 31 WEST
ESCAMBIA COUNTY, FLORIDA
ZONED: MDR FLU: MU-U

1. ALL DISTURBED AREAS WHICH ARE NOT PAVED ARE TO BE STABILIZED WITH SEEDING, FERTILIZER AND MULCH, HYDROSEED AND/OR SOD. PONDS AND AND SWALES TOPS AND SIDES SHALL BE SODDED. SEEDED AREAS SHALL INCLUDE A BAHIA MIX TO ENSURE GROWTH DURING WINTER MONTHS. SEED IN ACCORDANCE WITH FDOT SECTION 570 AND STANDARD INDEX 105.
2. SEDIMENT SHALL BE RETAINED ON THE SITE OF DEVELOPMENT.
3. CONTRACTOR SHALL CLEAN OUT ACCUMULATED SILT, AND STABILIZE POND(S) AT END OF CONSTRUCTION WHEN ALL DISTURBED AREAS HAVE BEEN STABILIZED.
4. EROSION SHALL BE CONTROLLED BY THE USE OF SYNTHETIC (IN STATE R/W) HAY BALE BARRIER/SILT FENCE AS SHOWN ON PLANS AND SHALL BE SETUP PRIOR TO COMMENCING CONSTRUCTION. THE EROSION CONTROL BARRIER SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION BY THE CONTRACTOR. AFTER PLACEMENT OF THE EROSION CONTROL BARRIER, THE RETENTION AREA IS TO BE CONSTRUCTED. UPON COMPLETION OF THE PROJECT, THE RETENTION AREA SHALL BE CLEANED OF SILT, STABILIZATION OF ALL DISTURBED AREAS SHALL BE ACCOMPLISHED, AND THE RETENTION AREA IS TO BE RECONFIGURED TO DESIGN CROSS-SECTION, AND GRASSED.

GENERAL NOTES

1. ALL WORK SHALL COMPLY WITH SPECIFICATIONS AND APPLICABLE STANDARDS ESTABLISHED BY ESCAMBIA COUNTY, ECUA AND FDEP. WHERE THESE SPECIFICATIONS AND COUNTY STANDARDS DEViate, THE MORE STRINGENT REQUIREMENTS SHALL PREVAIL UNLESS APPROVED BY THE ENGINEER.
2. THE GENERAL CONTRACTOR SHALL COORDINATE THE WORK OF THE UTILITY SUBCONTRACTORS TO INSURE THAT ALL UTILITY INSTALLATIONS PROCEED IN A TIMELY MANNER AND TO PREVENT CONFLICTS IN THE INSTALLATION OF THE WATER, SEWER, GAS, ELECTRICAL POWER, CABLE, AND TELEPHONE LINES.
3. ALL CONDITIONS AND STIPULATIONS OF THE CONSTRUCTION PERMITS AND APPROVALS ISSUED BY ESCAMBIA COUNTY, THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION AND ECUA SHALL BE COMPLIED IN EVERY WAY.

UTILITY WORK

1. ALL WORK SHALL COMPLY WITH APPLICABLE STANDARDS AND CODES ESTABLISHED BY THE ECUA, ESCAMBIA COUNTY AND THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION AND WRITTEN SPECIFICATIONS.
2. THE UTILITY CONTRACTOR SHALL MAKE CONNECTIONS TO THE SANITARY SEWER AND STORM DRAINAGE SYSTEM AS SHOWN AND SHALL VERIFY LOCATIONS AND ELEVATIONS OF ALL UTILITY LINES PRIOR TO BEGINNING WORK. THE UTILITY CONTRACTOR SHALL INCLUDE THE COST OF PROTECTION AND/OR RELOCATION OF OTHER UTILITIES IN HIS BID AND SHALL COORDINATE HIS WORK WITH OTHER UTILITY SUB-CONTRACTORS TO PREVENT CONFLICTS WITH OTHER UTILITY LINES.
3. "AS-BUILT" DRAWINGS SHOWING WATERLINES AND FORCEMAINS, FITTINGS, VALVES, METERS, SERVICE LATERAL TAPS AND STUB-OUTS, MANHOLES, FIRE HYDRANTS, ETC. LOCATIONS WITH MEASUREMENTS IN ACCORDANCE WITH THE LATEST ECUA ENGINEERING MANUAL (SECTION 4000) SHALL BE FURNISHED TO THE ENGINEER PRIOR TO ACCEPTANCE.
4. ECUA PERMIT SHALL BE REQUIRED PRIOR TO CP APPROVAL. THE USE OF THESE LOW PRESSURE SYSTEMS HAS TO BE APPROVED BY THE COUNTY ENGINEER.

1. THE PROJECT ENGINEER (ENGINEER OF RECORD) SHALL PROVIDE TO ESCAMBIA COUNTY "AS-BUILT" RECORD DRAWINGS FOR VERIFICATION AND APPROVAL BY ESCAMBIA COUNTY ONE WEEK PRIOR TO REQUESTING A FINAL INSPECTION, AND PROVIDE "AS-BUILT" CERTIFICATION THAT THE PROJECT CONSTRUCTION ADHERES TO THE PERMITTED PLANS AND SPECIFICATIONS. THE "AS-BUILT" CERTIFICATION AND THE "AS-BUILT" RECORD DRAWINGS MUST BE SIGNED, SEALED AND DATED BY A REGISTERED FLORIDA PROFESSIONAL ENGINEER.

2. THE DEVELOPER/CONTRACTOR SHALL INSTALL PRIOR TO THE START OF CONSTRUCTION AND MAINTAIN DURING CONSTRUCTION ALL SEDIMENT CONTROL MEASURES AS REQUIRED TO RETAIN ALL SEDIMENTS ON THE SITE. IMPROPER SEDIMENT CONTROL MEASURES MAY RESULT IN CODE ENFORCEMENT VIOLATION.

3. RETENTION/DETENTION AREAS SHALL BE SUBSTANTIALLY COMPLETE PRIOR TO ANY CONSTRUCTION ACTIVITIES THAT MAY INCREASE STORMWATER RUNOFF RATES. THE CONTRACTOR SHALL CONTROL STORMWATER DURING ALL PHASES OF CONSTRUCTION AND TAKE ADEQUATE MEASURES TO PREVENT THE EXCAVATED POND FROM BLINDING DUE TO SEDIMENTS.

4. DEVELOPER/CONTRACTOR/HOME OWNERS ASSOCIATION SHALL RESHAPE PER PLAN SPECIFICATIONS, CLEAN OUT ACCUMULATED SILT, AND STABILIZE POND(S) AT THE END OF CONSTRUCTION WHEN ALL DISTURBED AREAS HAVE BEEN STABILIZED AND AT THE END OF THE 2 YEAR COMPLIANCE PERIOD.

5. CONTRACTOR SHALL MAINTAIN RECORD DRAWINGS DURING CONSTRUCTION WHICH SHOW "AS-BUILT" CONDITIONS OF ALL WORK INCLUDING PIPING, DRAINAGE STRUCTURES, TOPO OF POND(S), OUTLET STRUCTURES, DIMENSIONS, ELEVATIONS, GRADING ETC. RECORD DRAWINGS SHALL BE PROVIDED TO THE ENGINEER OF RECORD PRIOR TO REQUESTING FINAL INSPECTION.

6. THE OWNER OR HIS AGENT SHALL ARRANGE/SCHEDULE WITH THE COUNTY A FINAL INSPECTION OF THE DEVELOPMENT UPON COMPLETION AND ANY INTERMEDIATE INSPECTIONS AT (850) 595-3434. AS-BUILT CERTIFICATION IS REQUIRED PRIOR TO REQUEST FOR FINAL INSPECTION/APPROVAL.

7. CONTRACTOR TO NOTIFY SUNSHINE ONE UTILITIES TWO FULL BUSINESS DAYS IN ADVANCE (EXCLUDING WEEKENDS AND HOLIDAYS) PRIOR TO DIGGING WITHIN R/W; 1-800-432-4770.

8. ALL ASPECTS OF THE STORMWATER/DRAINAGE COMPONENTS AND/OR TRANSPORTATION COMPONENTS SHALL BE COMPLETED PRIOR TO REQUESTING A FINAL INSPECTION.

9. NO DEVIATIONS OR REVISIONS FROM THESE PLANS BY THE CONTRACTOR SHALL BE ALLOWED WITHOUT PRIOR APPROVAL FROM BOTH THE DESIGN ENGINEER AND THE ESCAMBIA COUNTY. ANY DEVIATIONS MAY RESULT IN DELAYS IN COUNTY ACCEPTANCE OF IMPROVEMENTS.

10. TO COMPLY WITH NPDES/NWFWMD REQUIRMENTS, ALL EROSION CONTROL MEASURES SHALL BE INSPECTED AFTER EACH 1/2" RAINFALL EVENT OR AT LEAST WEEKLY. THE CONTRACTOR SHALL DOCUMENT SUCH INSPECTIONS AND EROSION CONTROL MAINTENANCE EFFORTS; INSPECTION RECORDS SHALL BE PROVIDED TO THE NPDES/NWFWMD PERMIT APPLICANT FOR PROPER REPORTING TO FDEP.

11. CONTRACTOR IS REQUIRED TO VISIT THE SITE AND FAMILIARIZE HIM/HERSELF WITH THE PROJECT PRIOR TO BIDDING.

12. CONTRACTOR BIDS SHOULD INCLUDE CLEARING AND GRUBBING OF THE PROPOSED R/W (AS WELL AS ANY OFFSITE AREAS NECESSARY FOR CONSTRUCTION OF PROPOSED IMPROVEMENTS) INCLUDING REMOVAL OF NON-HERITAGE TREES.

13. THE CONTRACTOR SHALL NOTIFY THE COUNTY DESIGNEE AND/OR COUNTY INSPECTOR 48 HOURS PRIOR TO INITIATION OF CONSTRUCTION.

NOVEMBER 2021

OWNER:
SUNRISE PROPERTIES LLC
2328 E LAKEVIEW AVE
PENSACOLA, FL 32503
P: (850)-602-1811

DEVELOPER:
MARY ANNETTA ESTATES, LLC
G. KEVIN DUNNAM
2702 E. DESOTO STREET
PENSACOLA, FL 32503
P: (850)-602-1811

SURVEYOR:
MERRILL PARKER SHAW, INC.
4928 N. DAVIS HWY
PENSACOLA, FL 32503
P: (850)-478-4923
F: (850)-478-4924

ENGINEER:
HAMMOND ENGINEERING, INC.
3802 NORTH "S" STREET
PENSACOLA, FL 32505
P: (850) 434-2603
F: (850) 434-4650

INDEX OF DRAWINGS:

- C1-COVER
- C2-DIMENSION & STAKING MASTER PLAN
- C3-EROSION CONTROL PLAN
- C4-EROSION CONTROL NOTES
- C5-GRADING PLAN
- C5A-WELLHEAD PROTECTION PLAN
- C6-UTILITY MASTER PLAN
- C7-C8-PLAN & PROFILES: ONSITE IMPROVEMENTS
- C9-PLAN & PROFILE: OFFSITE IMPROVEMENTS
- C10-STORMWATER PLAN & PROFILES
- C11-ROADWAY CROSS SECTIONS
- C12 STORMWATER POND DETAILS
- C13-STORMWATER DETAILS
- C14-CONSTRUCTION DETAILS

1. EXISTING UTILITIES HAVE BEEN SHOWN ON PLANS FROM BEST AVAILABLE INFORMATION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION & PROTECTING ALL UTILITIES INCLUDING THOSE NOT SHOWN.

2. UTILITIES REQUIRING RELOCATION SHALL BE COORDINATED WITH THE APPROPRIATE UTILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING UTILITY RELOCATION.

3. GULF POWER CO. MANHOLES AND VAULTS, SOUTHERN BELL MANHOLES TO BE ADJUSTED BY THE APPROPRIATE UTILITY, AND THIS WORK SHALL BE COORDINATED BY THE CONTRACTOR.

4. FLORIDA STATE STATUTE 553.851 REQUIRES THAT ALL EXCAVATORS NOTIFY GAS COMPANIES OF THEIR INTENTION TO PERFORM ANY EXCAVATION AT LEAST FORTY-EIGHT (48) HOURS (EXCLUDING SAT.,SUN. & HOLIDAYS) PRIOR TO BEGINNING WORK.

ECUA Engineering Manual Reference Note*
*Note shall be inserted in the upper right corner of the sheet.
*Applicable only to ECUA infrastructure to be constructed in public RTN or in utility easement. Not to be applied to private water/sewer facilities on private property (see Building Code).

A. ECUA Engineering Manual Incorporated by Reference
The ECUA Engineering Manual, dated December 18, 2014, along with Update #1 dated September 1, 2016 (hereinafter "Manual"), located at www.ecua.org, is hereby incorporated by reference into this Project's official contract documents as if fully set forth therein. It is the Contractor's responsibility to be knowledgeable of the Manual's contents and to construct the Project in accordance with the Manual. The Contractor shall provide its employees access to the Manual at all times, via Project site or office, via digital or paper format. In the event of a conflict between the Manual and Plans, Contractor shall consult Engineer of Record for proper resolution.

B. Additional Documents (to be completed by the Engineer of Record)
Does this Project have additional technical specifications or construction details that supplement and/or supersede the Manual listed above? **X** YES **NO** . If yes, Contractor shall construct Project in accordance with said documents as listed and located below:

Document Name	Document Type	Location
	Specification	Detail
1/2" - 1/2" LOW PRESSURE SEWER SERVICE	X	X

*Project Manuals used only with ECUA CIP Projects

C. Engineer of Record Responsibilities
The Engineers of Record (EORs) that have affixed their seals and signatures on these plans warrant that the portions of the plans have been designed in accordance with the Manual (unless otherwise directed by the ECUA Project Engineer). The EORs shall be knowledgeable of the Manual's contents and shall assume responsibility for its use on this Project.

1. CONTRACTOR SHALL NOTIFY THE ECUA, FDOT, NWFWMD, THE ESCAMBIA COUNTY ENGINEER AND PROJECT ENGINEER OF RECORD AT LEAST 72 HOURS PRIOR TO THE COMMENCEMENT OF THIS PROJECT.
2. PROPERTY OBSTRUCTIONS WHICH ARE TO REMAIN IN PLACE, SUCH AS BUILDINGS, SEWER, STORM DRAINS, WATER OR GAS PIPES, ELECTRICAL CONDUITS, POLES, WALLS, POSTS, ETC., ARE TO BE CAREFULLY PROTECTED AND ARE NOT TO BE DISPLACED, UNLESS NOTED.
3. THE CONTRACTOR SHALL NOTIFY THE SUPERINTENDENTS OF THE WATER, GAS, SEWER, CABLE TV, TELEPHONE AND POWER COMPANIES 10 DAYS IN ADVANCE, THAT HE INTENDS TO START WORK IN A SPECIFIC AREA. THE OWNER DISCLAIMS ANY RESPONSIBILITY FOR THE SUPPORT AND PROTECTION OF SEWERS, DRAINS, WATER PIPES, GAS PIPES, CONDUITS OF ANY KIND, UTILITIES OR OTHER STRUCTURES OWNED BY THE CITY, COUNTY, STATE OR BY PRIVATE OR PUBLIC UTILITIES LEGALLY OCCUPYING ANY STREET, ALLEY, PUBLIC PLACE OR RIGHT-OF-WAY.
4. LOCATION OF EXISTING UTILITIES SHOWN ON PLANS ARE APPROXIMATE ONLY AND IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATION BEFORE CONSTRUCTION. FAILURE OF THE PLANS TO SHOW THE EXISTENCE OF ANY UNDERGROUND UTILITIES, STRUCTURES, ETC., SHALL NOT RELIEVE THE CONTRACTOR FROM THE RESPONSIBILITY OF LOCATING, PRESERVING AND PROTECTING SAID UTILITY OR STRUCTURES.
5. CONTRACTOR SHALL DISPOSE OF BY HAULING AWAY ALL EXCESS MATERIAL.
6. CONTROL OF SEDIMENTATION AND EROSION SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
7. P.V.C. PIPE FOR WATER TO BE AWWA C 900, DR 25.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR THE SEEDING AND MULCHING AND/OR SODDING OF STREET AND ROAD SHOULDER AREAS IN ACCORDANCE WITH REQUIREMENTS OF FDOT SPECIFICATIONS AND APPLICABLE COUNTY STANDARDS.
9. WATER SUPPLY FACILITIES, INCLUDING MAINS, SHALL BE INSTALLED, CLEANED, DISINFECTED AND BACTERIOLOGICALLY CLEARED FOR SERVICE IN ACCORDANCE WITH THE LATEST APPLICABLE AWWA STANDARDS AND COORDINATED WITH ECUA.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR AND COMPLY WITH ANY TESTING REQUIRED BY THE LOCAL GOVERNING AGENCY IN ADDITION TO THE TESTING REQUIREMENTS OUTLINED IN THE SPECIFICATIONS.
11. GRADING AROUND TREES WHICH ARE TO REMAIN SHALL BE AWAY FROM THE TREE IN A MANNER TO CAUSE NO DAMAGE TO THE TREE.
12. RELOCATION OF THE OBSTRUCTIONS OWNED BY PRIVATE PROPERTY OWNER, SUCH AS MAILBOXES, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR WHO MUST COORDINATE WITH THE PROPERTY OWNER.
13. AS PER ESCAMBIA COUNTY LDC DSM 2-1/6(D), NO STREETS OR ROADS UNDER THE TWO YEAR COMPLIANCE PERIOD WILL BE ALLOWED TO BE OPEN CUT, OR JACK-AND-BORE. CONDUITS ARE TO BE INSTALLED FOR ALL UTILITY ROADWAY CROSSINGS PRIOR TO FINAL PLAT APPROVAL.

PROJECT
LOCATION

DRAINAGE FEE

Imperv. Surf. 33,536 Sq ft
Stormwater Ret. 0.10% (F)
Total Drainage Fee \$167.68
Pond Maint. Fee: PRIVATE

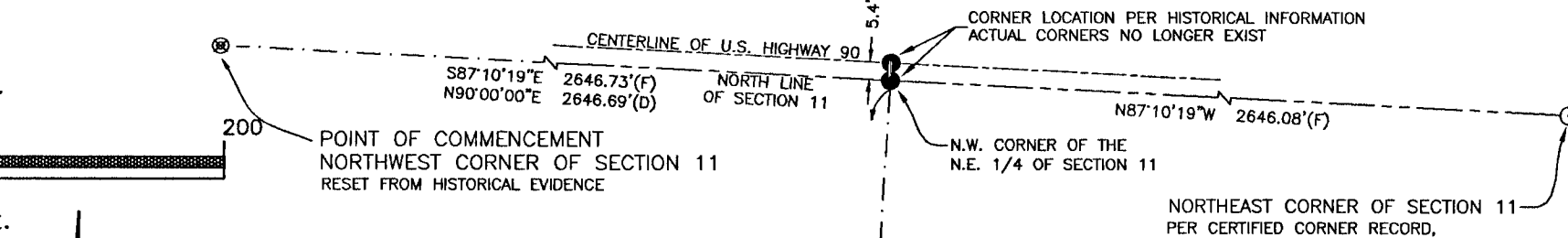
Approved: Hammond 12-1-21
Designee Date

This document has been reviewed in accordance with requirements of applicable Escambia County Regulations and Ordinances and does not in any way relieve the submitting Architect, Engineer, Surveyor, or other signatory from responsibility of details as drawn.

GRAPHIC SCALE



(IN FEET)
1 inch = 1500 ft.



NOTE: NO EXISTING HERITAGE
TREES ON-SITE

NOTE: THERE ARE NO EXISTING HERITAGE TREES LOCATED ON-SITE.

NOTE: LAND CLEARING/TREE REMOVAL IS LIMITED TO ANY NON-HERITAGE TREE LOCATED WITHIN PROPOSED RIGHTS-OF-WAY, EASEMENTS, OR PARCELS DEDICATED FOR UTILITY, DRAINAGE OR ACCESS ACCORDING TO COUNTY APPROVED SUBDIVISION CONSTRUCTION PLANS.

NOTE: LOT CLEARING ACTIVITIES INCLUDING TREE REMOVAL ON RESIDENTIAL LOTS SHALL NOT PROCEED WITHOUT BUILDING PERMITS FOR THESE LOTS EXCLUDING CLEARING REQUIRED FOR CONSTRUCTION OF CONVEYANCE SWALES OR DRAINAGE FEATURES DESIGNATED AS THE DEVELOPERS RESPONSIBILITY.

NOTE: LAND DISTURBANCE ACTIVITIES SUCH AS CLEARING, CUTTING, EXCAVATING, FILLING OR PLACEMENT OF FILL MATERIALS ON THE INDIVIDUAL RESIDENT LOTS, PROTECTED TREE REMOVAL, GRADING OF LAND, OR ANY OTHER ACTIVITY THAT ALTERS LAND TOPOGRAPHY OR VEGETATIVE COVER SHALL ONLY BE ALLOWED AFTER ISSUANCE OF AN ESCAMBIA COUNTY BUILDING PERMITS FOR THE INDIVIDUAL DWELLINGS.

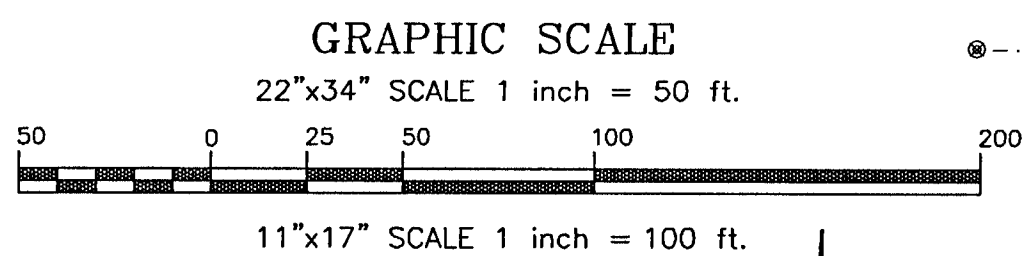
NOTE: THE LAND SHALL REMAIN VEGETATED (TREES INCLUDED, NO FILL MATERIALS PLACED ONSITE, GRADING, EXCAVATING, ETC.) UNTIL SUCH TIME AS PLAN APPROVAL &/OR PROPER PERMITTING ALLOWS FOR SUCH, PER CODE.

NOTE: ALL TREE REMOVAL, LAND CLEARING, PLACEMENT OF
FILL, "LAND DISTURBING ACTIVITIES", ETC. SHALL BE
PERMITTED OR OTHERWISE APPROVED BY THE COUNTY PRIOR
TO INITIATION.

NOTE: PROTECTED TREES SHALL REMAIN ONSITE AND ANY PROPOSED LAND CLEARING/ "LAND DISTURBING ACTIVITIES", INCLUDING THE PLACEMENT OF FILL/ FILL MATERIALS, GRADING, EXCAVATING, ETC. SHALL NOT OCCUR UNTIL SUCH TIME AS APPROPRIATE PERMIT(S) ARE ISSUED FOR SUCH SITE WORK.

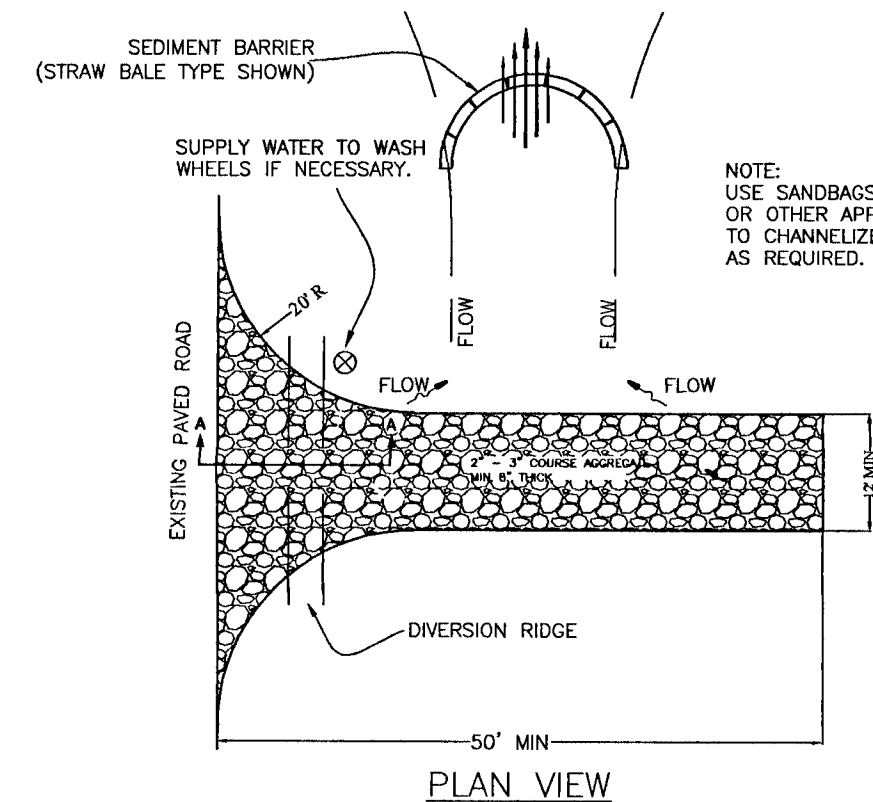
STAMMOND JR., P.
 LICENSE
 No. 5454
 STATE OF
 FLORIDA
 PROFESSIONAL ENGINEER
 12/11

PROJECT NO:	20-086
SHEET:	02
DRAWN BY:	CY
DESIGNED BY:	TGH/ARS
CHECKED BY:	TGH
DATE:	OCTOBER 2021
SCALE:	AS SHOWN
NOT RELEASED FOR CONSTRUCTION	
BY:	DATE:



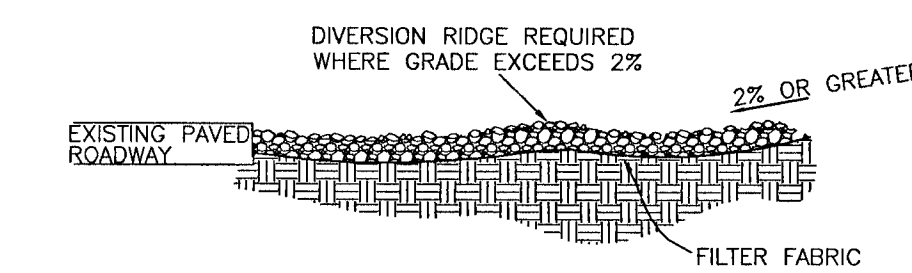
- NOTES:
- 1/2" CAPED IRON ROD, NUMBERED 7174 (PLACED)
 - 5/8" CAPED IRON ROD, NUMBERED 5863 (FOUND)
 - 1/2" CAPED IRON ROD, NUMBERED 7312 (FOUND)
 - 1/2" CAPED IRON ROD, NUMBERED 1748 (FOUND)
 - 1" IRON PIPE, UNNUMBERED (FOUND)
 - 5/8" CAPED IRON ROD, "SHOULDER" (FOUND)
 - 1/2" IRON ROD, UNNUMBERED (FOUND)
 - 5/8" IRON ROD, UNNUMBERED (FOUND)
 - NAIL AND DISK, UNNUMBERED (PER CCR)
 - 4"x4" CONCRETE MONUMENT, UNNUMBERED (PER CCR)
 - 6" ROUND CONCRETE MONUMENT, UNNUMBERED (FOUND)
 - NAIL IN ASPHALT, UNNUMBERED (FOUND)
 - NAIL AND DISK, NUMBER 7174 (SET)
 - DEED INFORMATION
 - FIELD INFORMATION
 - OFFICIAL RECORDS
 - POWER POLE
 - QUIET ANCHOR
 - OVERHEAD ELECTRIC
 - 4" CHAIN LINK FENCE
 - 6" CHAIN LINK FENCE
 - WOOD FENCE
 - WIRE FENCE
 - MAIL BOX
 - APPROX. WELL HEAD PROTECTION LIMIT
 - DENOTES LIMITS OF CLEARING AND GRADING ACTIVITIES

NOTE:
CONTRACTOR TO COORDINATE
WITH GULF POWER FOR
REMOVAL AND RELOCATION OF
EXISTING POWER POLES.

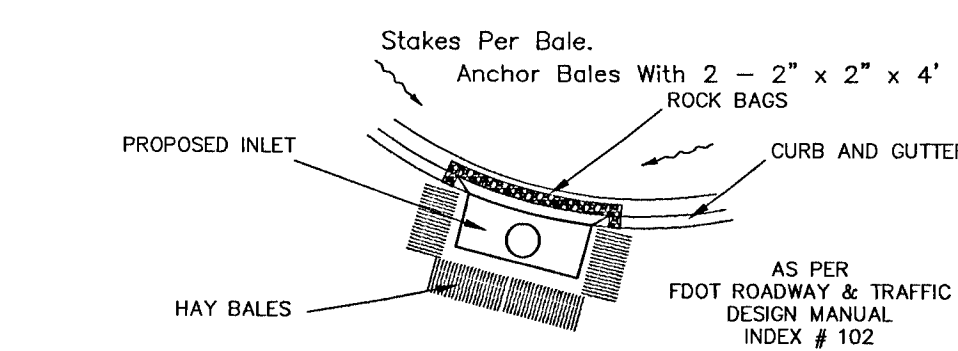


- NOTES:
- THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
 - WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
 - WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.
- Off-site vehicle tracking of sediments and the generation of dust shall be minimized. A stabilized construction access road shall be utilized to reduce off-site tracking. Off-site sediment removal should be conducted at a frequency necessary to minimize impacts. Vehicle wash area should be considered if off-site tracking becomes excessive.

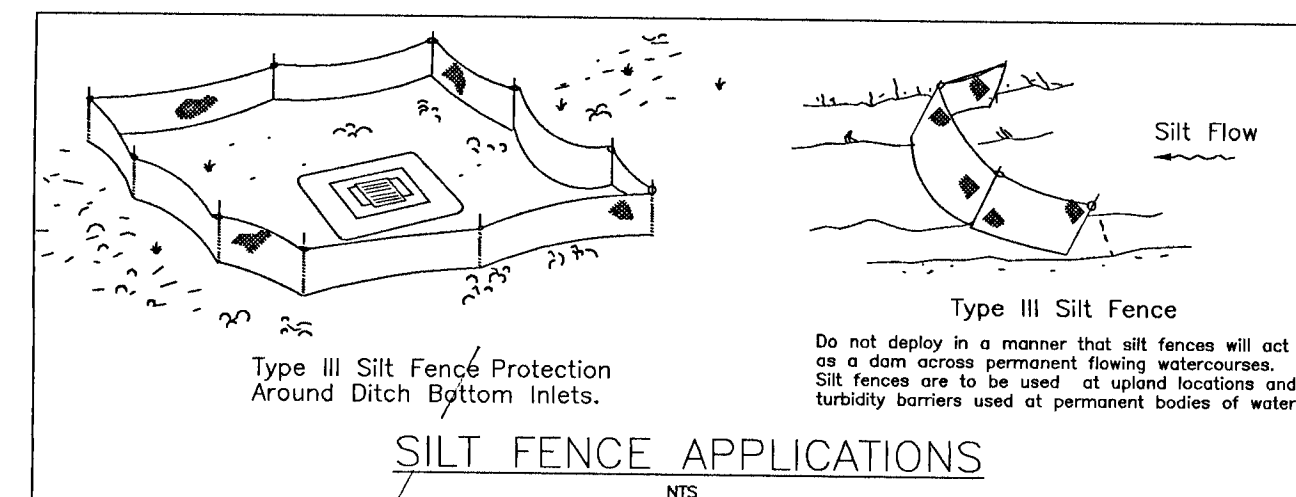
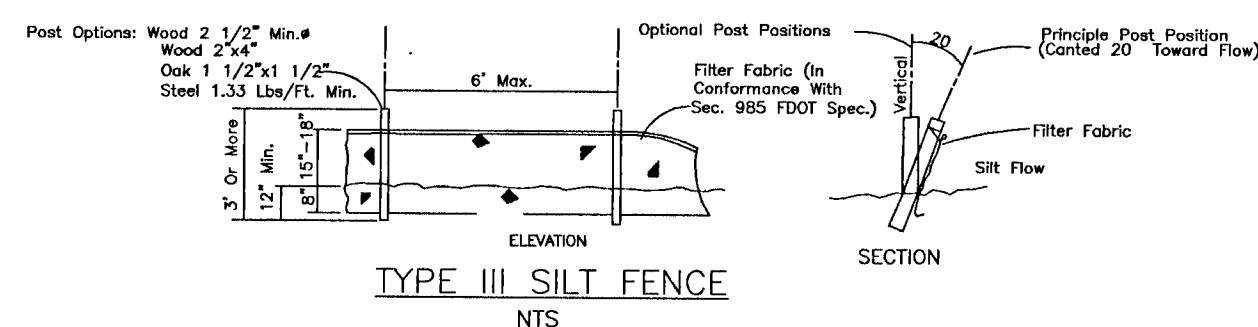
TEMPORARY GRAVEL CONSTRUCTION ENTRANCE TO BE CONSTRUCTED AT ALL DESIGNATED CONSTRUCTION ENTRANCES AND EXITS.



SECTION A-A
TEMPORARY GRAVEL
CONSTRUCTION ENTRANCE



SILT SAVER FRAME AND
FILTER ASSEMBLY
NTS
TYPICAL ALL ROADSIDE INLETS
(DOUBLE A & TYPE A)



INSTALL TYPE III SILT FENCE
ALONG PROPOSED UTILITY
EASEMENT

INSTALL SILT SAVER FRAME
AND FILTER ASSEMBLY. TYP.
ALL CURB INLETS

INSTALL TYPE III SILT FENCE
ALONG PROPOSED UTILITY
EASEMENT

INSTALL TEMPORARY
GRAVEL CONSTRUCTION
ENTRANCE

EXISTING UTILITY POLES
AND OVERHEAD ELECTRIC
TO BE RELOCATED

7 YEAR
WELL HEAD
PROTECTION
AREA

EXISTING
MAILBOXES TO
BE REMOVED

NOTE: THERE ARE NO EXISTING HERITAGE TREES LOCATED ON-SITE.

NOTE: LAND CLEARING/TREE REMOVAL IS LIMITED TO ANY NON-HERITAGE TREE LOCATED WITHIN PROPOSED RIGHTS-OF-WAY, EASEMENTS, OR PARCELS DEDICATED FOR UTILITY, DRAINAGE OR ACCESS ACCORDING TO COUNTY APPROVED SUBDIVISION CONSTRUCTION PLANS.

NOTE: LOT CLEARING ACTIVITIES INCLUDING TREE REMOVAL ON RESIDENTIAL LOTS SHALL NOT PROCEED WITHOUT BUILDING PERMITS FOR THESE LOTS EXCLUDING CLEARING REQUIRED FOR CONSTRUCTION OF CONVEYANCE SWALES OR DRAINAGE FEATURES DESIGNATED AS THE DEVELOPERS RESPONSIBILITY.

NOTE: LAND DISTURBANCE ACTIVITIES SUCH AS CLEARING, CUTTING, EXCAVATING, FILLING OR PLACEMENT OF FILL MATERIALS ON THE INDIVIDUAL RESIDENT LOTS, PROTECTED TREE REMOVAL, GRADING OF LAND, OR ANY OTHER ACTIVITY THAT ALTERS LAND TOPOGRAPHY OR VEGETATIVE COVER SHALL ONLY BE ALLOWED AFTER ISSUANCE OF AN ESCAMBIA COUNTY BUILDING PERMITS FOR THE INDIVIDUAL DWELLINGS.

NOTE: THE LAND SHALL REMAIN VEGETATED (TREES INCLUDED, NO FILL MATERIALS PLACED ON-SITE, GRADING, EXCAVATING, ETC.) UNTIL SUCH TIME AS PLAN APPROVAL &/OR PROPER PERMITTING ALLOWS FOR SUCH, PER CODE.

NOTE: ALL TREE REMOVAL, LAND CLEARING, PLACEMENT OF FILL, LAND DISTURBING ACTIVITIES, ETC. SHALL BE PERMITTED OR OTHERWISE APPROVED BY THE COUNTY PRIOR TO INITIATION.

NOTE: PROTECTED TREES SHALL REMAIN ON-SITE AND ANY PROPOSED LAND CLEARING/ LAND DISTURBING ACTIVITIES, INCLUDING THE PLACEMENT OF FILL/ FILL MATERIALS, GRADING, EXCAVATING, ETC. SHALL NOT OCCUR UNTIL SUCH TIME AS APPROPRIATE PERMIT(S) ARE ISSUED FOR SUCH SITE WORK.

INSTALL TYPE III SILT FENCE
ALONG PROPOSED POND

NOTE: CONSTRUCTION PLAN APPROVAL IS REQUIRED TO DOCUMENT THE DESIGN OF INFRASTRUCTURE TO ADEQUATELY SERVE THE CREATED LOTS.

NOTE: INFRASTRUCTURE CAPACITIES WILL BE APPROVED UPON FINAL DEVELOPMENT PLAN APPROVAL. THE CONSTRUCTION PLAN APPROVAL ALLOWS THE CONSTRUCTION OF THE SUBDIVISION INFRASTRUCTURE TO PROCEED, BUT IT DOES NOT ALLOW DEVELOPMENT ON THE INDIVIDUAL SUBDIVISION LOTS, AS SUCH, ALL LAND DISTURBANCE ACTIVITIES (SUCH AS CLEARING, CUTTING, EXCAVATING, FILLING OR PLACEMENT OF FILL MATERIALS, REMOVAL OF PROTECTED TREES, GRADING OF LAND, OR ANY OTHER ACTIVITY THAT ALTERS LAND TOPOGRAPHY OR VEGETATIVE COVER ON THE INDIVIDUAL RESIDENT LOTS (OR OTHER AREAS NOT DESIGNATED FOR INFRASTRUCTURE), SHALL ONLY BE ALLOWED AFTER ISSUANCE OF AN ESCAMBIA COUNTY BUILDING PERMIT FOR THE INDIVIDUAL DWELLINGS OR OTHER APPLICABLE PERMITS OR APPROVALS.

NOTE: ON SITES > 1 ACRE, IF > 1 CONTIGUOUS ACRE IS DECLARED, A GROUND COVER SUFFICIENT TO PREVENT EROSION SHOULD BE PLANTED OR OTHERWISE STABILIZED WITHIN 10 WORKING DAYS ON THE PORTION OF THE SITE UPON WHICH FURTHER ACTIVE CONSTRUCTION WILL NOT BE UNDERTAKEN WITHIN 90 DAYS.

NOTE: ALL WORK SHALL BE DONE IN ACCORDANCE TO THE PROJECT SPECIFICATIONS, WHERE SPECIFICATIONS OVERLAP (WATER, SEWER, ETC.), THE CONTRACTOR SHALL COMPLY WITH THE MOST STRINGENT SPECIFICATION.

NOTE: TO COMPLY WITH NPDES REQUIREMENTS, EROSION CONTROL MEASURES SHALL BE INSPECTED AFTER EACH 1/2" RAINFALL EVENT OR AT LEAST WEEKLY. THE CONTRACTOR SHALL DOCUMENT SUCH INSPECTIONS AND EROSION CONTROL MAINTENANCE EFFORTS; INSPECTION RECORDS SHALL BE PROVIDED TO THE NPDES PERMIT APPLICANT FOR PROPER REPORTING TO FDEP.

- NOTES:
- CONTRACTOR SHALL MAINTAIN AND INSPECT EROSION CONTROL DEVICES IN ACCORDANCE TO THE STORMWATER POLLUTION PREVENTION PLAN.
 - CONSTRUCTION ACTIVITIES ARE LIMITED TO ROADS, PONDS, AND EASEMENTS.
 - THE PROPOSED POND SHALL BE UTILIZED FOR STORMWATER DETENTION AND TEMPORARY SEDIMENT.
 - THE PROPOSED POND SHALL BE CONSTRUCTED FOLLOWING CLEARING AND GRUBBING OF R/W'S EASEMENTS ETC.
 - ALL DRAINAGE EASEMENTS, PUBLIC AND PRIVATE, SHALL REMAIN UNOBSTRUCTED.

EROSION CONTROL NOTES

A HEALTHY GROWTH OF GRASS WITHIN THE DISTURBED RIGHT-OF-WAY AREAS IS REQUIRED PRIOR TO COUNTY APPROVAL/ACCEPTANCE. IF TIME CONSTRAINTS EXIST DURING THE FINAL PLAN APPROVAL AND ACCEPTANCE PROCESS, A MINIMUM OF TWO STRIPS OF SOD (MINIMUM 2' WIDE) BEHIND THE BACK OF CURB WITH ALL OTHER DISTURBED AREAS SEEDED/MULCHED/FERTILIZED WILL BE ACCEPTABLE.

SAG FILTERS IN CURB THROATS ARE NOT AN ALLOWABLE SEDIMENT CONTROL METHOD.

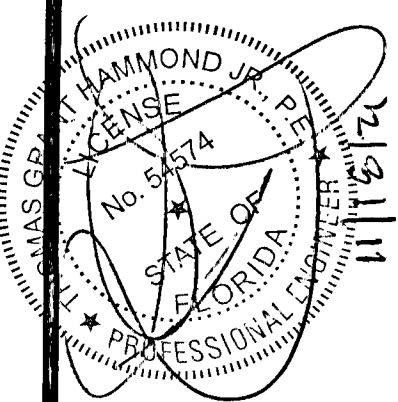
NOTE: NO EXISTING HERITAGE TREES ON-SITE

NOTES:

- CONTRACTOR RESPONSIBLE FOR SECURING NPDES NOI PERMIT AS WELL AS OBTAINING AND IMPLEMENTING A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) AS PER FDEP STANDARDS.
- THE EROSION AND SEDIMENT CONTROL RULES ARE PERFORMANCE ORIENTED. THAT IS, THE MEASURES USED AT A CONSTRUCTION SITE MUST BE EFFECTIVE IN CONTROLLING EROSION AND PREVENTING OFF-SITE SEDIMENTATION FOR THE SITE TO BE IN COMPLIANCE. FOLLOWING AN APPROVED PLAN AND INSTALLING THE CONTROL MEASURES MAY NOT BE ENOUGH FOR A SITE TO BE IN COMPLIANCE WITH THE RULES. IF EROSION AND OFF-SITE SEDIMENTATION OCCUR, THE CONTRACTOR WILL BE RESPONSIBLE FOR INSTALLING ADDITIONAL MEASURES TO CORRECT ANY PROBLEM ASSOCIATED WITH COMPLIANCE OF THE NPDES PERMIT OR ANY OTHER PERMIT REQUIRED FOR THE SITE CONSTRUCTION. THE CONTRACTOR WILL ALSO BE COMPLETELY RESPONSIBLE FOR ANY FINES LEVIED BY ANY GOVERNING AGENCY ON THE PROJECT DURING CONSTRUCTION.

- EROSION CONTROL MEASURES SHOWN ARE MINIMUM REQUIREMENTS ONLY. CONTRACTOR SHALL REINFORCE AND/OR ADD ADDITIONAL MEASURES AS CONDITIONS WARRANT AND/OR AS DIRECTED BY THE PROPER REGULATORY AUTHORITIES.

HAMMOND ENGINEERING, INC.
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ALABAMA AUTHORIZATION NO. 3277
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CONSTRUCTION PLANS
FOR
MARY ANNETTA
ESTATES
EROSION CONTROL
PLAN
FLORIDA

DRAWN BY: TGH/ARS
DESIGNED BY: TGH/ARS
CHECKED BY: TGH
DATE: OCTOBER 2021
SCALE: AS SHOWN
NOT RELEASED FOR
CONSTRUCTION
BY: DATE:

PROJECT NO: 20-086

SHEET: 03

Site Description

The proposed Mary Annetta Estates is located on the east side of Eight Mile Creek Rd just north of the Interstate 10/Eight Mile Creek Rd intersection in Escambia, Florida. The site is in section 11, Township 1 South, Range 31 West, Escambia County, Florida.

The site is 10.69 acres in size and currently stands vacant and undeveloped. There are no jurisdictional wetlands located on the site. The area to be disturbed by the construction of this project encompasses the proposed R/W, drainage/access easements, utility easements and pond parcel. Currently, runoff flows from the southwest side of the site.

The approximate latitude and longitude of the site discharge point are: 30°31'46.45"N, 87°19'17.07"W. The proposed improvements include the construction of paved roads, a stormwater pond, stormwater piping, potable water piping, and sanitary sewer improvements.

Erosion and Sedimentation Controls

Erosion and sedimentation from the construction site shall be controlled at all times using Best Management Practices (BMPs). Perimeter controls shall be installed prior to clearing activities or any construction activity that disturbs soils. Installation of those controls may be staged to correspond with the clearing and construction schedule. Immediate after clearing activities appropriate controls shall be installed to limit and minimize the velocity of stormwater runoff over unprotected soils. Temporary BMPs shall be used as necessary inside the the perimeter controls as the construction progresses. Perimeter controls shall be actively maintained until final stabilization of those portions of the site uphill of the perimeter controls. Temporary controls shall be removed when stabilization is achieved or when necessary for the next stage of construction. Controls shall be consistent with the performance standards for erosion and sedimentation control as set forth in Section 62–40.432 F.A.C.

Stabilization and Structural Practices

Stabilization practices may include, but not limited to, temporary seeding, mulching, geotextiles, permanent sod and preservation of existing vegetation. Preservation of the existing vegetation should always be the first choice BMP. Where disturbed soils are to remain for extended periods, temporary seeding should be considered prior to final sod stabilization. A record shall be maintained of the dates when major grading activities occur, when construction activities temporarily or permanently cease on a portion of the site and when stabilization measures are initiated. Stabilization measures shall be initiated as soon as practicable, but in no case more than 14 days, in those areas of the site where construction activities have temporarily or permanently ceased.

Structural practices shall divert flows from exposed soils, store flows, retain sediment on–site, or otherwise limit runoff and the discharge of pollutants from exposed areas of the site. Such practices may include, but not limited to, silt fences, earth dikes, diversion swales, sediment traps, check dams, subsurface drains, pipe slope drains, level spreaders, storm drain inlet protection, rock outlet protection, reinforced soil retaining systems and temporary or permanent sediment basins.

Stormwater Management

A single row of type III silt fence shall be installed along the proposed utility easements, drainage/access easements and boundary of stormwater pond parcel, prior to any activity that disturbs soils.

After clearing activities, silt fences and hay bales shall be installed, as necessary, uphill of the perimeter controls to reduce runoff velocities and the potential for excessive erosion. Prior to any major grading activity, the stormwater detention basin shall be constructed.

As the grading activities progress, a depressed area shall be constructed around inlets surrounded by hay bales for inlet protection. These depressed areas shall act as sediment basins. Runoff from uphill areas shall be directed to these inlets, where feasible, by diversion swales.

These swales may require temporary seeding and check dams to minimize velocities and avoid excessive erosion. As the construction progresses, each installed storm inlet shall be protected by hay bales.

Rip–rap or similar velocity control is to be used, as necessary, at the outfalls from the stormwater management system for velocity dissipation prior to discharge off–site. Silt fences, and haybales if necessary, shall be installed across the outfalls until final stabilization is achieved. Erosion control facilities shall actively maintained throughout the course of construction and shall remain until final stabilization is achieved and acceptance by the owner.

Controls for Other Potential Pollutants

A materials management area shall be designated on–site for protected storage of chemicals, solvents, fertilizers and other potentially toxic materials. Storage areas can become a major source of risk due to possible mishandling of materials and accidental spills. An inventory should be compiled and maintained of the storage area and the site. Special care should be taken to identify any materials that have the potential to come into contact with stormwater.

Petroleum products such as oil gasoline, lubricants and asphaltic substances should be handled carefully to minimize their exposure to stormwater. These management practices should be used to reduce the risks of using petroleum products:

- * Have equipment available to contain and clean up petroleum spills in fuel storage areas or on board maintenance and fueling vehicles.
- * Where possible, store petroleum products and fuel vehicles in covered areas and construct dikes to contain any spills.
- * Contain and clean up petroleum spills immediately.
- * Perform preventative maintenance for on–site equipment to prevent leakage.
- * Apply asphaltic substances properly according to the manufacturer's instructions.

Hazardous products including, but not limited to, paints, acids for cleaning masonry surfaces, cleaning solvents, chemical additives used for soil stabilization, and concrete curing compounds should be properly handled. These practices will help avoid pollution of stormwater by these materials:

- * Keep equipment to contain and clean up spills of hazardous materials in the areas where the materials are stored.
- * Contain and clean up spills immediately after they occur.
- * Keep materials in a dry, covered area.
- * Store materials in the original manufacturer's containers whenever possible, because special handling instructions usually are printed on the containers.

Pesticides include insecticides, rodenticides, and herbicides that are commonly used on construction sites. These management practices will reduce the amounts of pesticides that could contact stormwater:

- * Handle pesticides as infrequently as possible.
- * Store materials in the original manufacturer's containers whenever possible, because special handling instructions usually are printed on the containers.
- * Observe all applicable federal, state and local regulations when using, handling, or disposing of pesticides.
- * Store pesticides in a dry, covered area.
- * Provide curbs or dikes to contain spills.
- * Have measures on site to contain and clean up spills.
- * Strictly follow recommended application rates and methods.

Fertilizers and detergents usually contain nutrients that can be a major source of pollution in stormwater. These practices should be used to reduce the risks of nutrient pollution:

- * Limit the application of fertilizers to the minimum area and the minimum recommended amounts.
- * Reduce exposure of nutrients to stormwater runoff by working the fertilizer into the soil to a depth of 4 to 6 inches.
- * Apply fertilizer more frequently, but at lower application rates.
- * Limit hydreseeding in which lime and fertilizers are applied to the ground surface in one application.
- * Implement good erosion and sediment control to help reduce the amount of fertilizer lost as a result of erosion.
- * Limit the use of detergents on the site. Wash water containing detergents should not be discharged to the stormwater management system.
- * Apply fertilizer and use detergents only in the recommended manner and amounts.

Proper management and disposal of building materials and other construction site wastes are an essential part of pollution prevention. Construction wastes include surplus or refuse building materials as well as hazardous wastes. Management practices for these wastes include trash disposal, recycling, material handling, and spill prevention and clean up. These practices should provide for proper disposal of construction wastes:

- * Designate a waste disposal area on the site.
- * Provide an adequate number of containers with lids or covers that can be placed over the container prior to rainfall. Locate containers in covered areas, where possible.
- * Arrange for scheduled waste pick up. Adjust waste collection schedule as necessary to prevent overflow of the containers.
- * Ensure that construction waste is collected, removed, and disposed of only at authorized disposal areas in compliance with applicable State and/or local waste disposal regulations.

Offsite vehicle tracking of sediments and the geration of dust shall be minimized. A stabilized construction access road shall be utilized to reduce off–site tracking. Off–site sediment removal should be conducted at a frequency necessary to minimize impacts. Vehicle wash area should be considered if off–site tracking becomes excessive.

The construction site must have temporary sanitary sewer facilities for on–site personnel. Portable facilities may be utilized throughout the site. Licensed domestic waste haulers must be contracted to regularly remove the sanitary wastes and to maintain the facilities in good working order. The temporary construction trailer may have sanitary sewer facilities with a holding tank. A licensed domestic waste hauler shall also service this facility. An on–site septic system for the construction trailer in not allowed. Temporary sanitary sewer facilities shall be permitted by the local building department in accordance with applicable State and local regulations.

Controls of pollutants shall be maintained throughout construction period and until final stabilization is achieved. Qualified personnel shall inspect all points of discharge and all disturbed areas of the construction site that have not been finally stabilized, areas used for storage of materials that are exposed to precipitation, structural controls, and locations where vehicles enter or exit the site at least once every seven calendar days and within 24 hours of the end of every storm event that produces at least 0.25 inches of rainfall. Where sites have been finally stabilized, such inspection shall be conducted at least once every month until a Notice of Termination has been submitted.

- * Stabilization Measures – Disturbed areas and areas used for storage of materials that are exposed to precipitation shall be inspected for evidence of or the potential for, pollutants leaving the site. The inspection should reveal whether the area was stabilized correctly, whether there has been damage to the area since it was stabilized, and what should be done to correct any problems.
- * Structural Controls – Silt fences, hay bales and other erosion control measures shall be inspected regularly for proper positioning, anchoring, and effectiveness in trapping sediments. The inspection should reveal whether the control was installed correctly, whether there has been damage to the control since installation, and what should be done to correct any problems. Sediment should be removed from the uphill side of the silt fence and the fence should be reconstructed as necessary. Hay bales shall be added or replaced as necessary to provide effective control.
- * Discharge Points – Discharge points shall be inspected to determine whether erosion control measures are effective in preventing significant amounts of pollutants from leaving the site. Silt fences and hay bales shall be maintained or replaced as necessary. The inspection should reveal whether the on– site BMPs are effective, and what should be done to increase the effectiveness.
- * Construction Entrances – Locations where vehicles enter or exit the site shall be inspected for evidence of off–site sediment tracking. The inspection should reveal whether the stabilization of the construction entrance is effective, and what should be done to increase the effectiveness.
- * Areas Used for Storage of exposed Materials – These are locations where construction materials (including excavated soils) are stored. The inspection should reveal the potential for excessive erosion and sedimentation, and what actions should be implemented to reduce the risks of pollution.

Based on the result of the inspection, all maintenance operations needed to assure proper function of all controls, BMPs, practices or measures identified in this Plan shall be done in a timely manner, but in no case later than 7 calendar days following the inspection.

A Report summarizing the scope of each inspection, name(s) and qualifications of personnel making the inspection, the date(s) of the inspection, major observations related to the implementation of the stormwater pollution prevention plan, and modifications to the stormwater pollution prevention plan shall be prepared and retained as part of the stormwater pollution prevention plan for at least three years from the date that the site is finally stabilized. Such report shall identify any incidence of non–compliance.

Contractor Requirements

The contractor must have technical expertise in erosion prevention and sediment control. The contractor must at all time maintain erosion control methods that prevent any violation of the NPDES program.

Faulty Installation and/or Poor Maintenance

Most noncompliance occurs because measures were not installed correctly or maintained properly, or both. Determining the reason why the measures are failing requires technical knowledge about the devices and how to construct them properly. Contractors failure to control erosion, sedimentation or turbidity both onsite and offsite is not acceptable. Failure to do so may result in possible fines and/or termination from the site without payment for construction progress.

Compliance

Remember that the goal of the program is to prevent accelerated erosion and off–site sedimentation. As the contractor, you are the first person to determine if the performance standards and intent of the rule are being met. You are the key person in ensuring that the construction site is evaluated fairly and consistently and that you keep the site in compliance.

The erosion and sediment control rules are performance oriented. That is, the measures used at a construction site must be effective in controlling erosion and preventing off–site sedimentation for the site to be in compliance. Following an approved plan and installing the control measures may not be enough for a site to be in compliance with the rules. If erosion and off–site sedimentation occur, the contractor will be responsible for installing additional measures to correct any problem associated with compliance of the NPDES permit or any other permit required for the site construction. The contractor will also be completely responsible for any fines levied by any governing agency on the project during construction.

The rules are also flexible, allowing the contractor to decide the most economical and effective means of erosion control. This encourages the use of innovative techniques and specifically designed erosion control systems. The contractor is the key individual in making this kind of performance based rule work because the contractor is the first person to recognize performance failures and remedy the problems.

The contractor's job is to:

1. Determine that an erosion and sediment control plan for the site has been approved.
2. Determine that all specified practices have been installed and are being maintained according to the plan.
3. Determine that both on–site and off–site sedimentation, erosion or turbidity is being prevented. If the contractor finds deficiencies, appropriate action must be taken to attain compliance.

Control of non–stormwater discharges

It is expected that the following non–stormwater discharges may occur from the site during construction period: water from water line flushing, pavement wash water (where no spills or leaks of toxic or hazardous materials have occurred), and uncontaminated groundwater (from dewatering excavation). If said discharges do occur, they will be directed to the temporary sediment basin prior to discharge. Turbid water from the stormwater pond shall not be pumped directly into either of the receiving waters. Any pumped water from the stormwater pond shall be treated so as to not allow a discharge of polluted stormwater. Treatment can include silt fences, settling ponds, the proper use of flocculating agents or other appropriate means.

DRAWN BY: EY		DESIGNED BY: TCHARS		CHECKED BY: TGH		DATE: OCTOBER 2021		SCALE: AS SHOWN		NOT RELEASED FOR CONSTRUCTION		BY:		DATE:									
CONSTRUCTION PLANS FOR		MARY ANNETTA ESTATES		EROSION CONTROL NOTES		FLORIDA		ESCAMBIA COUNTY		FLORIDA		PROJECT NO: 20-086		SHEET: C4									
HAMDON ENGINEERING, INC. FLORIDA AUTHORIZATION NO. 9130 ALABAMA AUTHORIZATION NO. 3277 3802 NORTH "S" STREET PENSACOLA, FLORIDA 32505 850 434-2603 FAX 850-434-2650 TOM@BELANDDESIGN.COM												REVISIONS		DATE		NO.		1. 9/1/2021 2. 9/7/2021 3. 9/28/2021 4. 10/07/2021 5. 10/25/2021		AS PER ECIA REVIEW COMMENTS AS PER ESCAMBIA COUNTY DRC REVIEW REVISED PLANS IN AREA OF MONUMENTED OVERLAP ALONG SOUTH BOUNDARY REVISED PLANS FOR NEW BOUNDARY SURVEY DATA WITH LEGAL DESCRIPTION AS PER DRC STORMWATER SECONDARY REVIEW		THIS DRAWING IS THE PROPERTY OF HAMDON ENGINEERING, INC. AND IS NOT TO BE REPRODUCED IN WHOLE OR IN PART. IT IS NOT TO BE USED ON ANY OTHER PROJECT AND IS TO BE RETURNED UPON REQUEST.	

11"x17" SCALE 1 inch = 100 ft.

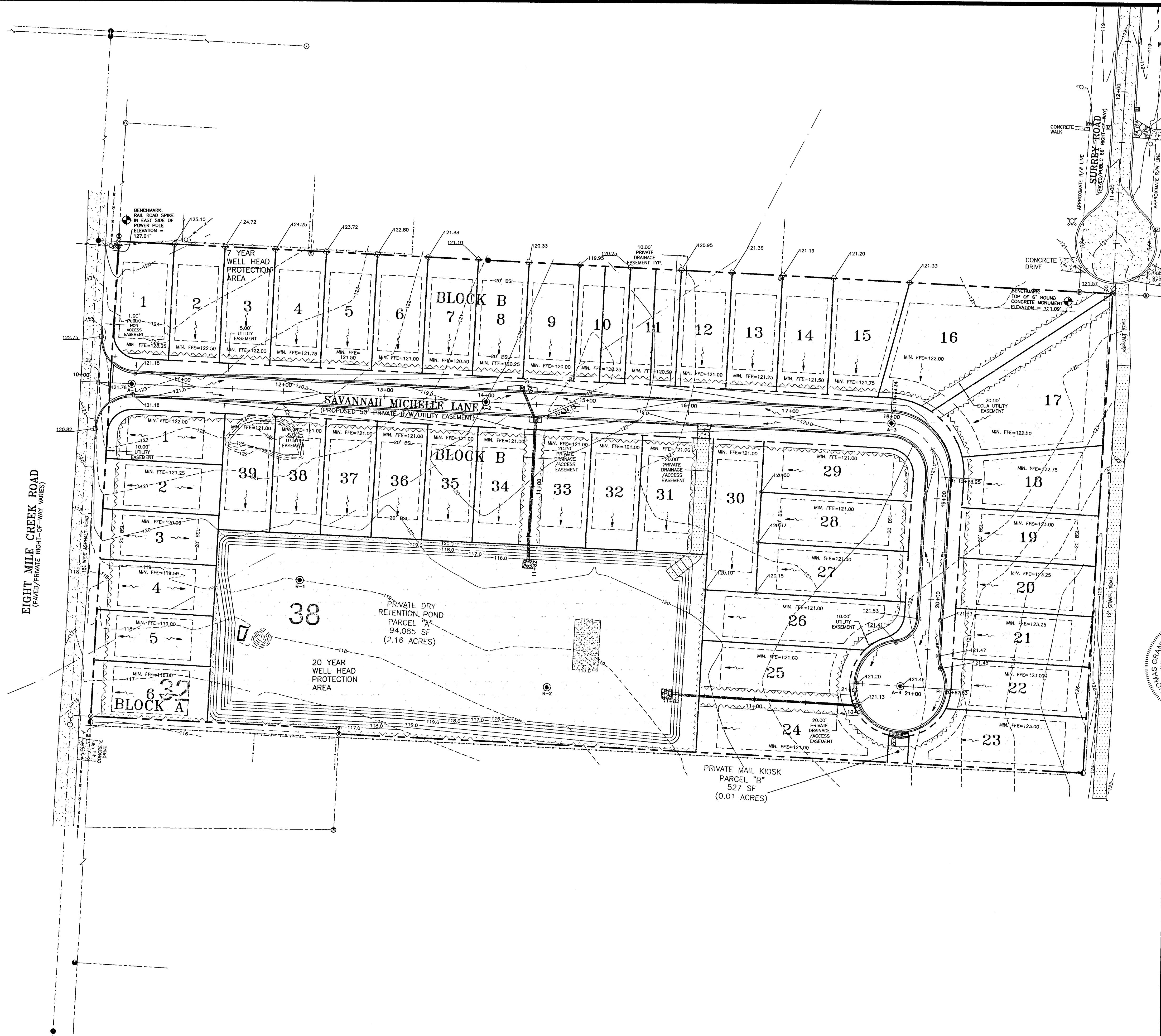
- ⊗ - 1/2" CAPED IRON ROD, NUMBERED 7174 (PLACED)
- - 1/2" CAPED IRON ROD, NUMBERED 7183 (FOUND)
- ⊗ - 1/2" CAPED IRON ROD, NUMBERED 7312 (FOUND)
- ⊗ - 1/2" CAPED IRON ROD, NUMBERED 7748 (FOUND)
- ⊗ - 1" IRON PIPE, UNNUMBERED (FOUND)
- ⊗ - 5/8" CAPED IRON ROD, "SHONTZ" (FOUND)
- ⊗ - 1/2" IRON ROD, UNNUMBERED (FOUND)
- ⊗ - 5/8" IRON ROD, UNNUMBERED (FOUND)
- ⊗ - NAIL AND DISK, UNNUMBERED (PER CCR)
- - 4"X4" CONCRETE MONUMENT, UNNUMBERED (PER CCR)
- ⊗ - 6" ROUND CONCRETE MONUMENT, UNNUMBERED (FOUND)
- ⊗ - NAIL IN ASPHALT, UNNUMBERED (FOUND)

APPROX. WELL HEAD PROTECTION LIMIT

DENOTES WELLHEAD
PROTECTION AREA, 7-YEAR
TIME OF TRAVEL CONTOUR

DENOTES WELLHEAD
PROTECTION AREA, 20-YEAR
TIME OF TRAVEL CONTOUR

WELLHEAD PROTECTION NOTE: THE SUBJECT PARCEL FALLS WITHIN THE TRAVEL TIME CONTOURS OF PROTECTED (POTABLE) WELLHEADS. CONTRACTORS SHALL BE RESPONSIBLE FOR REPORTING SPILLS OF POTENTIALLY HAZARDOUS SUBSTANCES (I.E. GASOLINE, DIESEL FUEL, HYDRAULIC FLUID, CLEANING PRODUCTS, CHEMICALS, ETC.) TO THE APPROPRIATE STATE/FEDERAL WATERING POINT (1-800-320-0519) AND LOCAL (ECUADOR) EMERALD COAST UTILITIES AUTHORITY (850) 476-5110 AND ESCAMBA COUNTY HEALTH DEPARTMENT/ENVIRONMENTAL HEALTH 595-6712 AGENCIES.



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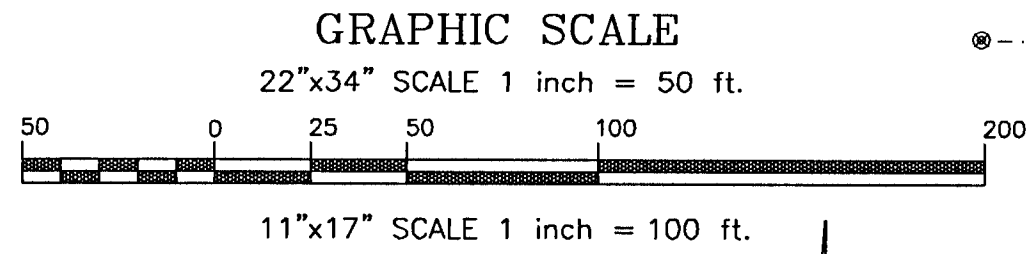
CONSTRUCTION PLANS FOR
MARY ANNETTA ESTATES
WELLHEAD PROTECTION PLAN
SCAMBIA COUNTY FLORIDA

SCAMBA COUNTY FLORIDA

DRAWN BY: CY
DESIGNED BY: TGH/ARS
CHECKED BY: TGH
DATE: OCTOBER 2021
SCALE: AS SHOWN
NOT RELEASED FOR CONSTRUCTION
BY: DATE:

PROJECT NO: 30-086

SHEET: C5A



- NOTES:
- 1/2" CAPED IRON ROD, NUMBERED 7174 (PLACED)
 - 5/8" CAPED IRON ROD, NUMBERED 5863 (FOUND)
 - 1/2" CAPED IRON ROD, NUMBERED 7312 (FOUND)
 - 1/2" CAPED IRON ROD, NUMBERED 1748 (FOUND)
 - 1" IRON PIPE, UNNUMBERED (FOUND)
 - 5/8" CAPED IRON ROD, "SHOULDER" (FOUND)
 - 1/2" IRON ROD, UNNUMBERED (FOUND)
 - 5/8" IRON ROD, UNNUMBERED (FOUND)
 - NAIL AND DISK, UNNUMBERED (PER CCR)
 - 4"x4" CONCRETE MONUMENT, UNNUMBERED (PER CCR)
 - 6" ROUND CONCRETE MONUMENT, UNNUMBERED (FOUND)
 - NAIL IN ASPHALT, UNNUMBERED (FOUND)
 - NAIL AND DISK, NUMBER 7174 (SET)
 - DEED INFORMATION
 - FIELD INFORMATION
 - OFFICIAL RECORDS
 - POWER POLE
 - GUY AND/OR
 - OVERHEAD ELECTRIC
 - CHAIN LINK FENCE
 - WOOD FENCE
 - WIRE FENCE
 - MAIL BOX
 - APPROX. WELLHEAD PROTECTION LIMIT

UTILITIES NARRATIVE:

POTABLE WATER:
AFTER RECEIVING ERP, ECUA AND ESCAMBIA COUNTY APPROVALS, THE DEVELOPER PLANS TO CONNECT TO EXISTING, ADJACENT SYSTEM OF ECUA, CONSTRUCTING ALL NECESSARY UNDERGROUND WATER MAINS, VALVES AND FIRE HYDRANTS TO SERVE THIS DEVELOPMENT. UPON COMPLETION, THE ENTIRE SYSTEM WILL THEN BE TURNED OVER TO ECUA FOR ACCEPTANCE AND MAINTENANCE.

SANITARY SEWER:
AFTER RECEIVING ERP, ECUA AND ESCAMBIA COUNTY APPROVALS, THE DEVELOPER PLANS TO CONNECT TO THE EXISTING, ADJACENT SYSTEM OF ECUA, CONSTRUCTION OF PRIVATE LOW PRESSURE SYSTEMS TO SERVE THIS DEVELOPMENT. UPON COMPLETION, THE ENTIRE SYSTEM LOCATED WITHIN THE RIGHTS OF WAYS AND EASEMENTS WILL BE TURNED OVER TO ECUA FOR ACCEPTANCE AND MAINTENANCE. PRIVATE GRINDER STATIONS SHALL BE MAINTAINED BY THE HOME OWNERS.

STORM SEWER:
AFTER RECEIVING ERP AND ESCAMBIA COUNTY APPROVALS, THE DEVELOPER PLANS TO CONSTRUCT ALL NECESSARY STORMWATER MANHOLES, PIPES AND STORMWATER PONDS TO SERVE THIS DEVELOPMENT. THE ENGINEER WILL DESIGN THE STORM DRAINAGE SYSTEM TO COMPLY WITH ESCAMBIA COUNTY SUBDIVISION AND STORMWATER ORDINANCES. UPON COMPLETION, THE ENTIRE SYSTEM WILL REMAIN PRIVATELY OWNED AND MAINTAINED.

ELECTRIC, GAS, TELEPHONE & TV CABLE:
THESE SERVICES TO BE INSTALLED AND MAINTAINED BY THE APPROPRIATE UTILITY COMPANY.

NOTES:
ALL PROPOSED UNDERGROUND UTILITIES WITHIN R/W'S OR UTILITY CONDUIT FOR ROAD CROSSINGS SHALL BE INSTALLED PRIOR TO PAVING. NO STREETS OR ROADS UNDER THE TWO (2) YEAR WARRANTY SHALL BE ALLOWED TO BE OPEN-CUT, OR JACK-AND-BORED, TO ACCOMPLISH THIS REQUIREMENT. COMMON TRENCHING IS REQUIRED WHENEVER POSSIBLE. IF COMMON TRENCHING IS NOT A FEASIBLE OPTION, THE DEVELOPER SHALL INSTALL CONDUIT FOR THE UTILITY NOT PARTICIPATING IN THE COMMON TRENCHING FOR ALL ROAD CROSSINGS AND THE UTILITY COMPANY WILL BE REQUIRED TO USE THE CONDUIT. THIS SHALL REQUIRE PLANNING BETWEEN THE DEVELOPER AND THE UTILITY.

ROUGH GRADE OF RIGHT-OF-WAY MUST BE ESTABLISHED PRIOR TO COMMON TRENCH UTILITY INSTALLATION TO ENSURE UTILITIES ARE INSTALLED AT MINIMUM AND MAXIMUM DEPTHS. A MINIMUM 30" OF COVER IS REQUIRED OVER ALL UTILITIES. THIS DIMENSION SHALL BE MEASURED FROM PROPOSED GRADE IF ROAD IS IN FILL AND MEASURED FROM TOP OF CURB IF ROAD IS IN CUT.

THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR RECORD AT LEAST TWO WEEKS PRIOR TO PLACEMENT OF BASE MATERIAL TO ASSIST IN THE COORDINATION OF ALL OTHER UNDERGROUND UTILITIES.

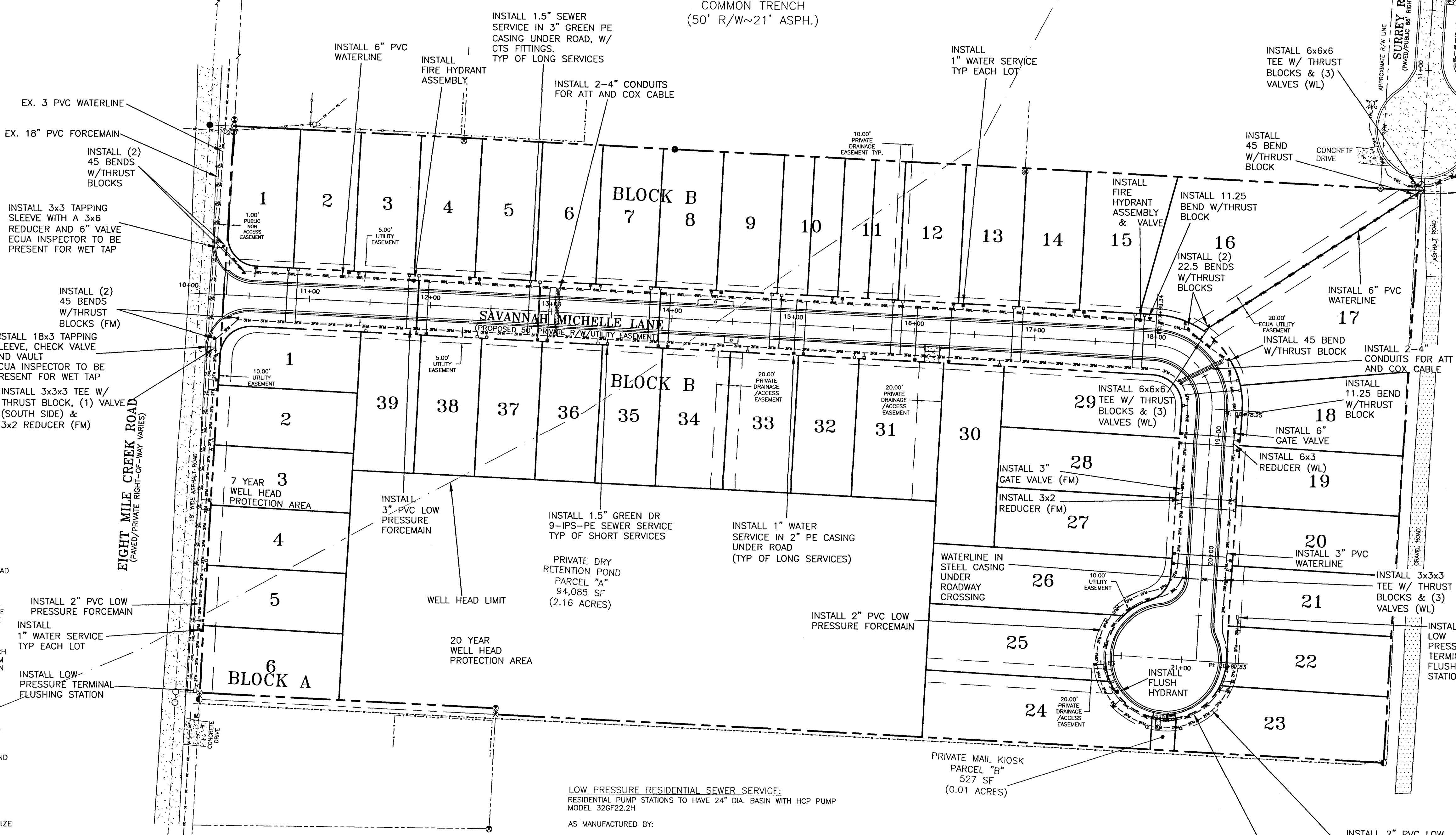
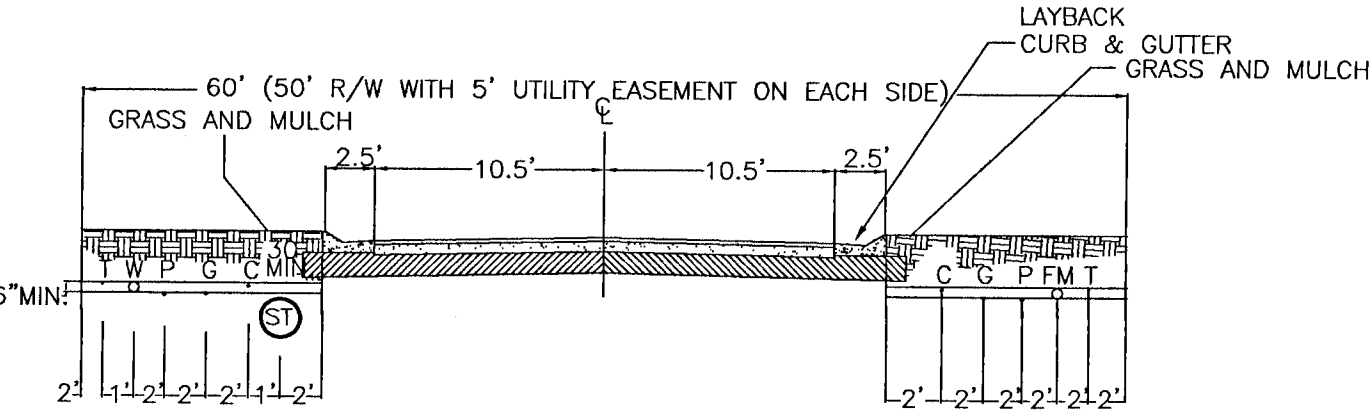
CONTRACTOR TO INSTALL WATER SERVICES FOR EACH LOT, OPPOSITE THE PROPERTY CORNER THAT GULF POWER HAS PROPOSED POWER TRANSFORMERS.

PROPOSED WATERLINES AND FORCE MAIN SHALL HAVE A MINIMUM COVER OF 30" AND A MAXIMUM COVER OF 36" BELOW PROPOSED FINISHED GRADE UNLESS NOTED OTHERWISE.

CONTRACTOR SHALL INSTALL EACH UTILITY SERVICE IN THE LOCATION AS SHOWN IN THE COMMON TRENCH DETAIL.

ELECTRIC/PHONE/CABLE/GAS STRUCTURES INSTALLED WITHIN DRAINAGE/ACCESS EASEMENTS SHALL BE LOCATED ALONG THE BOUNDARY OF THE EASEMENT TO MAXIMIZE CLEAR ACCESS FOR MAINTENANCE EQUIPMENT.

NOTE: 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 VACUUM-TYPE SANITARY SEWER. REFERENCE ECUA DETAIL D-64 (WATER/SEWER SEPARATION)



LOW PRESSURE RESIDENTIAL SEWER SERVICE:
RESIDENTIAL PUMP STATIONS TO HAVE 24" DIA. BASIN WITH HCP PUMP MODEL 32G22.2H

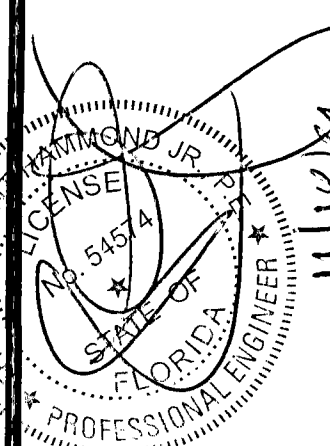
AS MANUFACTURED BY:
HCP PUMPS AMERICA, INC.
1723 INDUSTRIAL PKWY
FOLEY, AL 36635
P: 251-943-8080
F: 205-763-3002
WWW.HCPPUMPSOFAMERICA.COM
OR APPROVED EQUAL

NOTE:
PRIVATE GRINDER PUMP STATIONS LOCATED ON EACH RESIDENTIAL LOT SHALL BE MAINTAINED BY THE HOMEOWNERS

NOTE:
PER ECUA, GRINDER PUMPS SHALL PROVIDE A MINIMUM OF 21 GPM AT 50 PSI.

NOTE: THE SUBJECT PARCEL FALLS WITHIN THE TRAVEL TIME CONTOURS OF PROTECTED (POTABLE) WELLHEADS. CONTRACTORS SHALL BE RESPONSIBLE FOR REPORTING SPILLS OF POTENTIALLY HAZARDOUS SUBSTANCES (I.E. GASOLINE, DIESEL FUEL, HYDRAULIC FLUID, CLEANING PRODUCTS, CHEMICALS, ETC.) TO THE APPROPRIATE STATE (FDEP STATE WARNING POINT 1-800-320-0519) AND LOCAL (ECUA- EMERALD COAST UTILITIES AUTHORITY (850) 476-5110 AND ESCAMBIA COUNTY HEALTH DEPARTMENT/ENVIRONMENTAL HEALTH 595-6712) AGENCIES.

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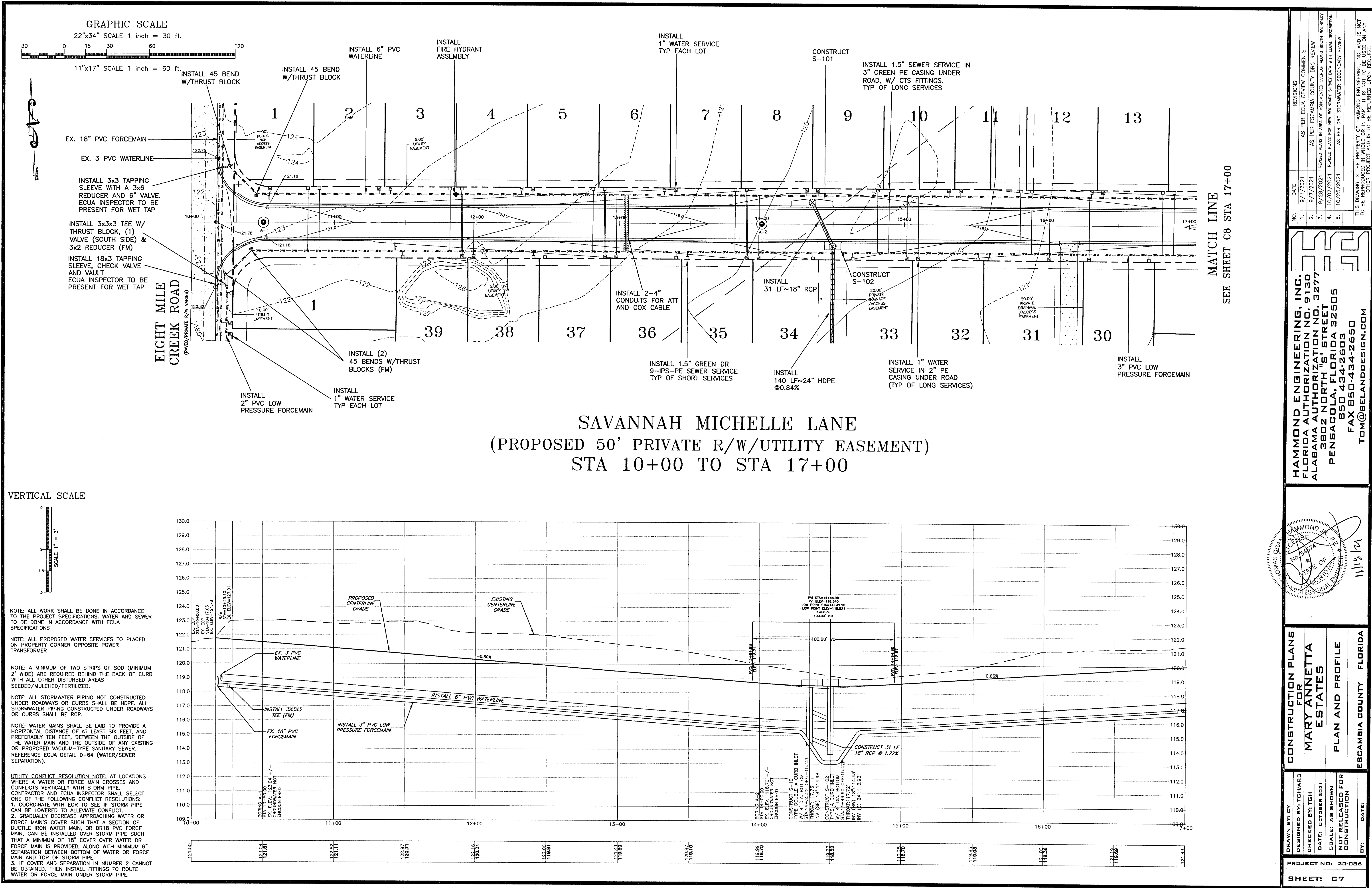


CONSTRUCTION PLANS FOR
MARY ANNETTA
ESTATES
UTILITY MASTER
PLAN
FLORIDA

DRAWN BY: TGH
DESIGNED BY: TGH
CHECKED BY: TGH
DATE: OCTOBER 2021
SCALE: AS SHOWN
NOT RELEASING FOR CONSTRUCTION
BY: DATE:

PROJECT NO: 20-086

SHEET: 06



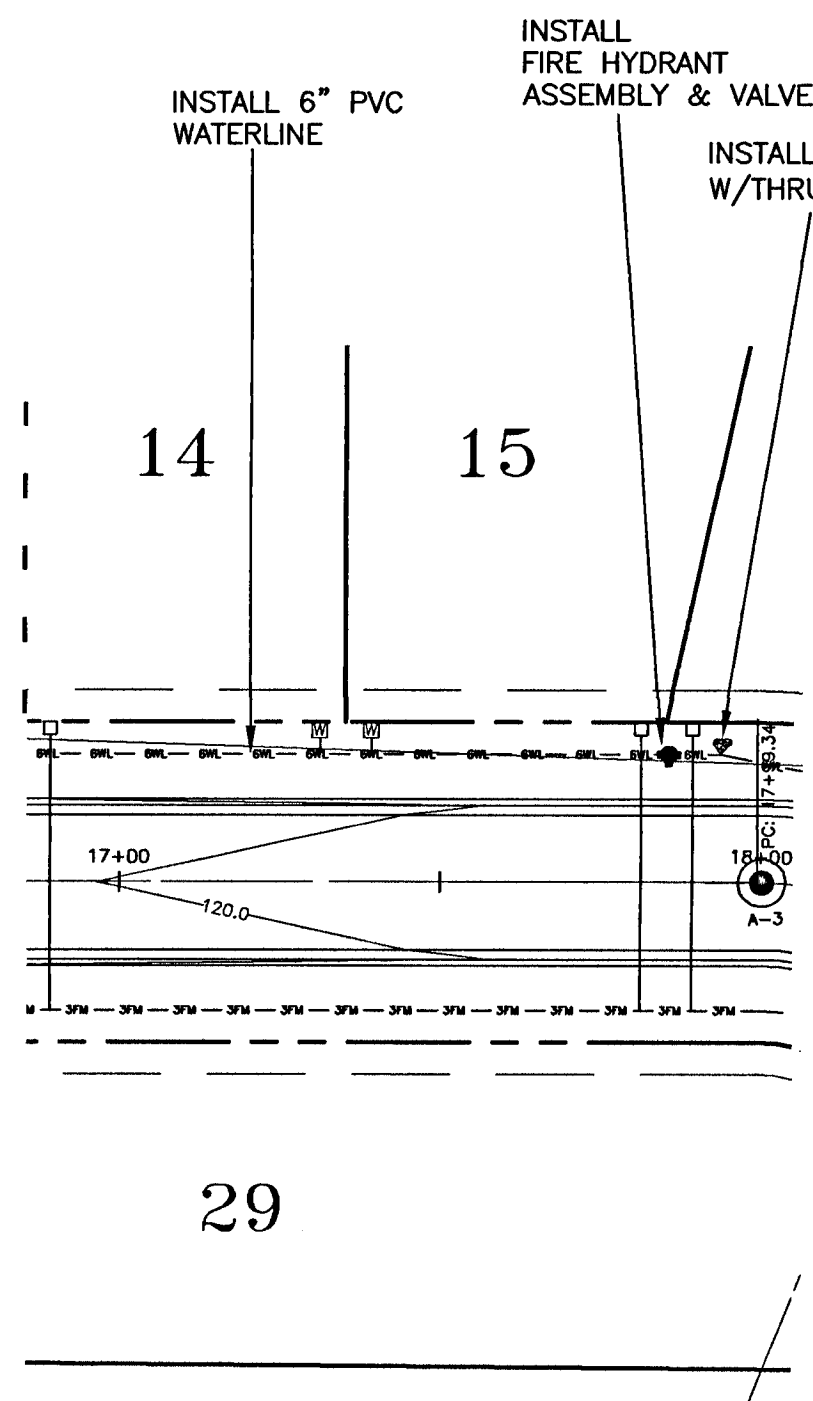


Figure 1 shows a vertical scale bar. The scale has markings at 1.5, 0, and 3. The scale is labeled "SCALE 1" = 3".

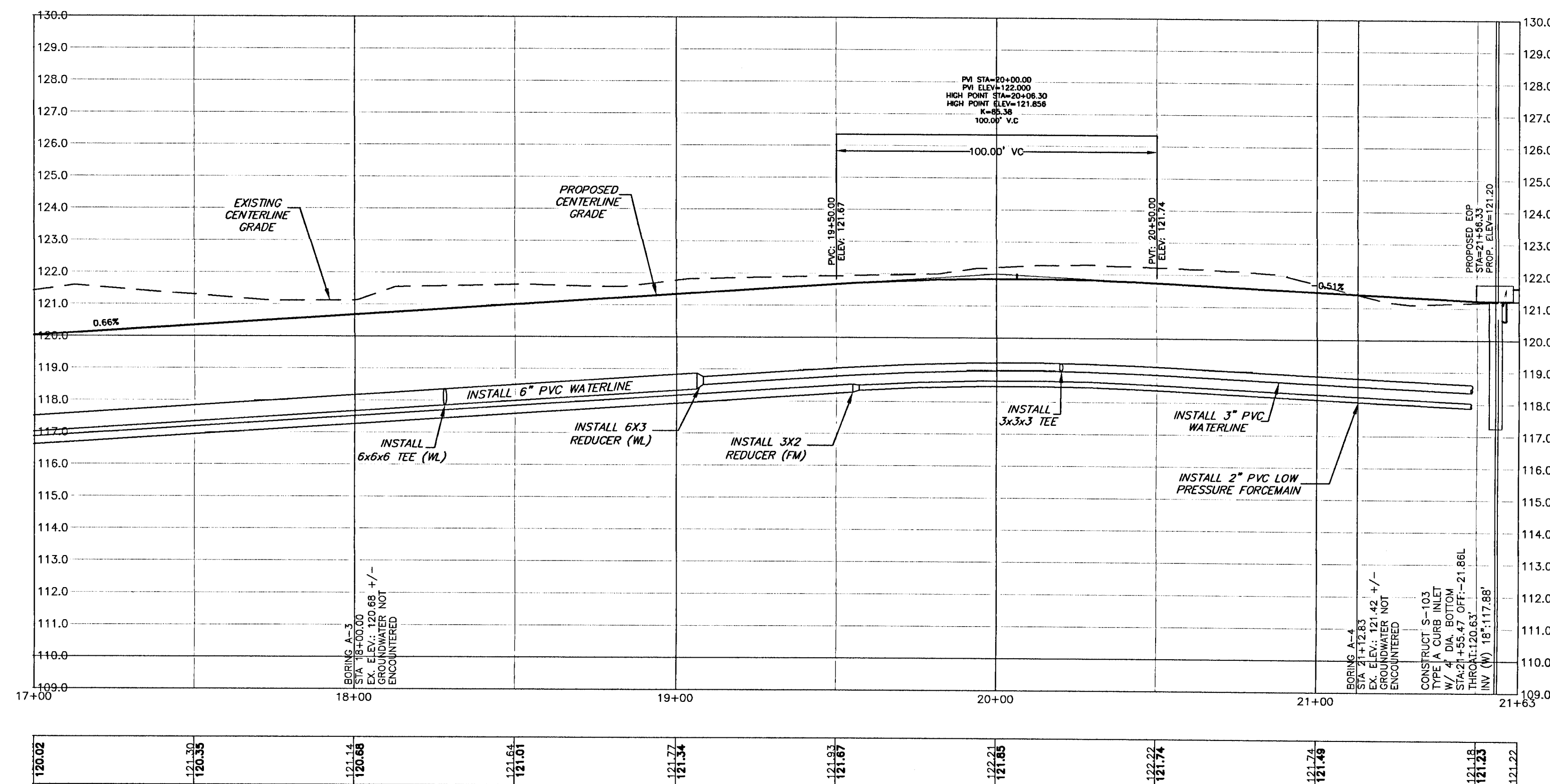
UTILITY CONFLICT RESOLUTION NOTE: AT LOCATIONS WHERE A WATER OR FORCE MAIN CROSSES AND CONFLICTS VERTICALLY WITH STORM PIPE, CONTRACTOR AND ECUA INSPECTOR SHALL SELECT THE DEEPEST UTILITY TO REMAIN IN PLACE.

1. COORDINATE WITH EOR TO SEE IF STORM PIPE CAN BE LOWERED TO ALLEVIATE CONFLICT.

2. IF THE DEEPEST UTILITY IS A WATER OR FORCE MAIN'S COVER SUCH THAT A SECTION OF DUCTILE IRON WATER MAIN, OR DR18 PVC FORCE MAIN, CAN BE INSTALLED OVER STORM PIPE SUCH THAT A MINIMUM OF 18" COVER OVER WATER OR FORCE MAIN IS PROVIDED.

3. IF THE DEEPEST UTILITY IS A STORM PIPE, SEPARATION BETWEEN BOTTOM OF WATER OR FORCE MAIN AND TOP OF STORM PIPE.

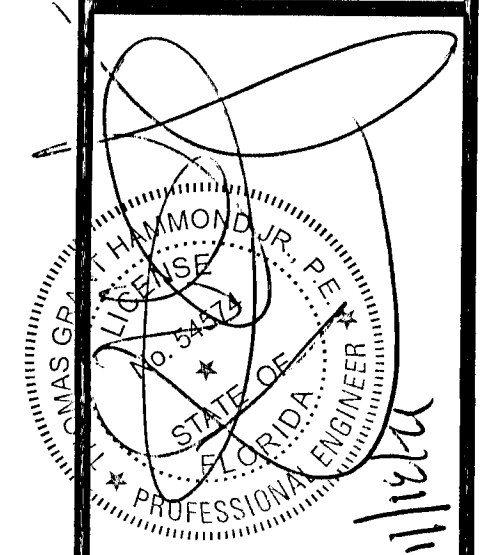
4. IF COVER AND SEPARATION IN NUMBER 2 CANNOT BE MET, THEN THE INSTALLATIONS TO ROUTE WATER OR FORCE MAIN UNDER STORM PIPE.



NO.	DATE	REVISIONS
1.	9/1/2021	AS PER ECIA REVIEW COMMENTS
2.	9/7/2021	AS PER ESCAMBA COUNTY DRC REVIEW
3.	3/28/2021	REVISED PLANS IN AREA OF MONUMENTED ORCHARD ALONG SOUTH BOUNDARY
4.	10/07/2021	REVISED PLANS FOR NEW BOUNDARY SURVEY DATA WITH LEGAL DESCRIPTION
5.	10/25/2021	AS PER DRC STORMWATER SECONDARY REVIEW

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HAMMOND ENGINEERING, INC.
FLORIDA AUTHORIZATION NO. 9130
ALABAMA AUTHORIZATION NO. 3277
3802 NORTH "S" STREET
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TOM@SELANDESIGN.COM

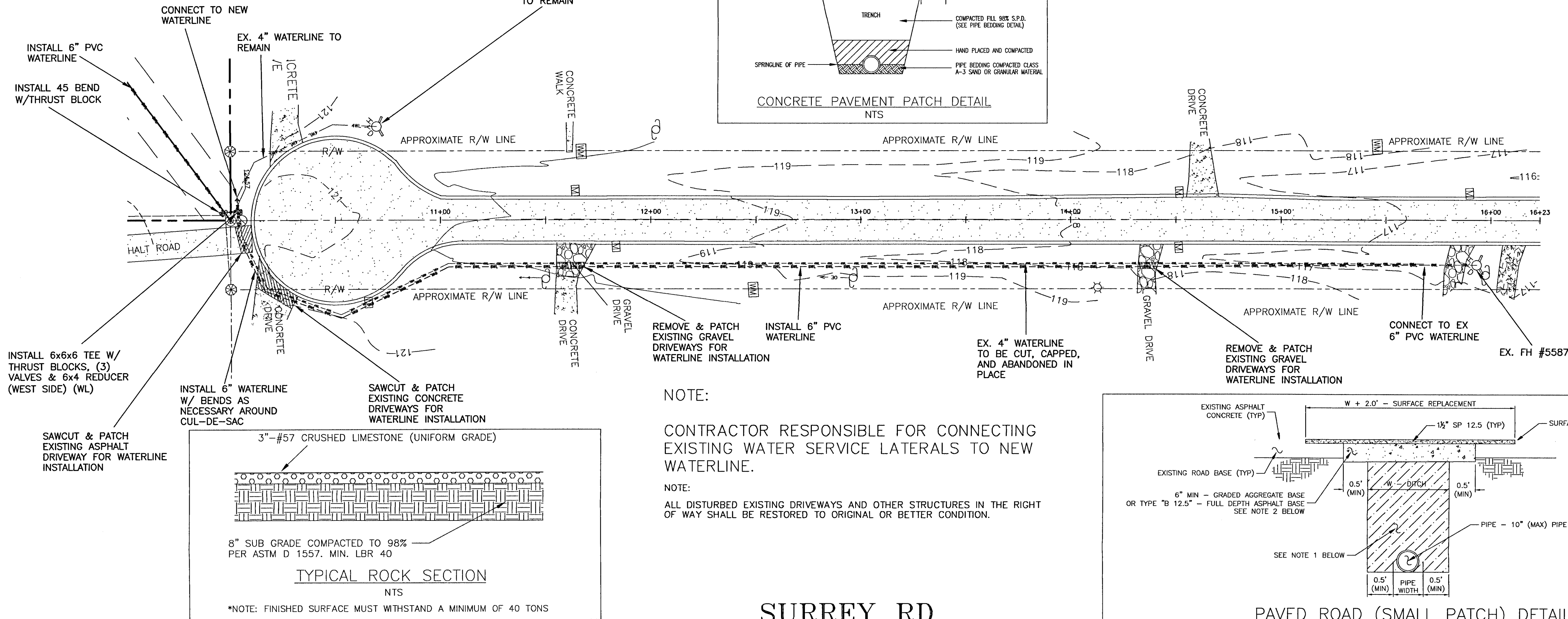
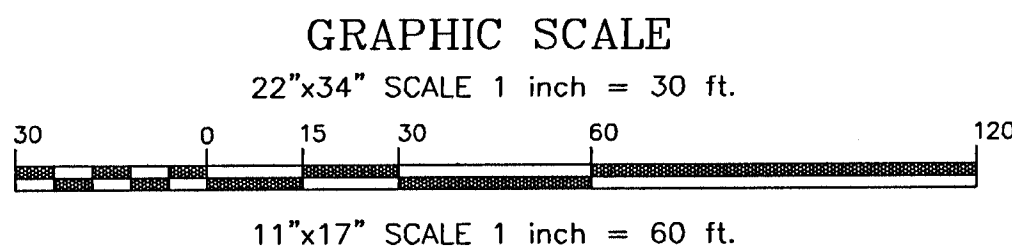


CONSTRUCTION PLANS FOR	MARY ANNETTA ESTATES	PLAN AND PROFILE	SCAMBIA COUNTY FLORIDA
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DRAWN BY: CY
DESIGNED BY: TGH/ARS
CHECKED BY: TGH
DATE: OCTOBER 2021
SCALE: AS SHOWN
NOT RELEASED FOR CONSTRUCTION
BY: DATE:

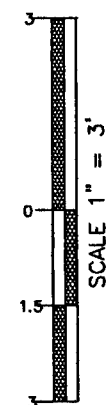
PROJECT NO: 20-086

SHEET: C8



SURREY RD
(66' R/W)
STA 10+00 TO STA 16+23

VERTICAL SCALE

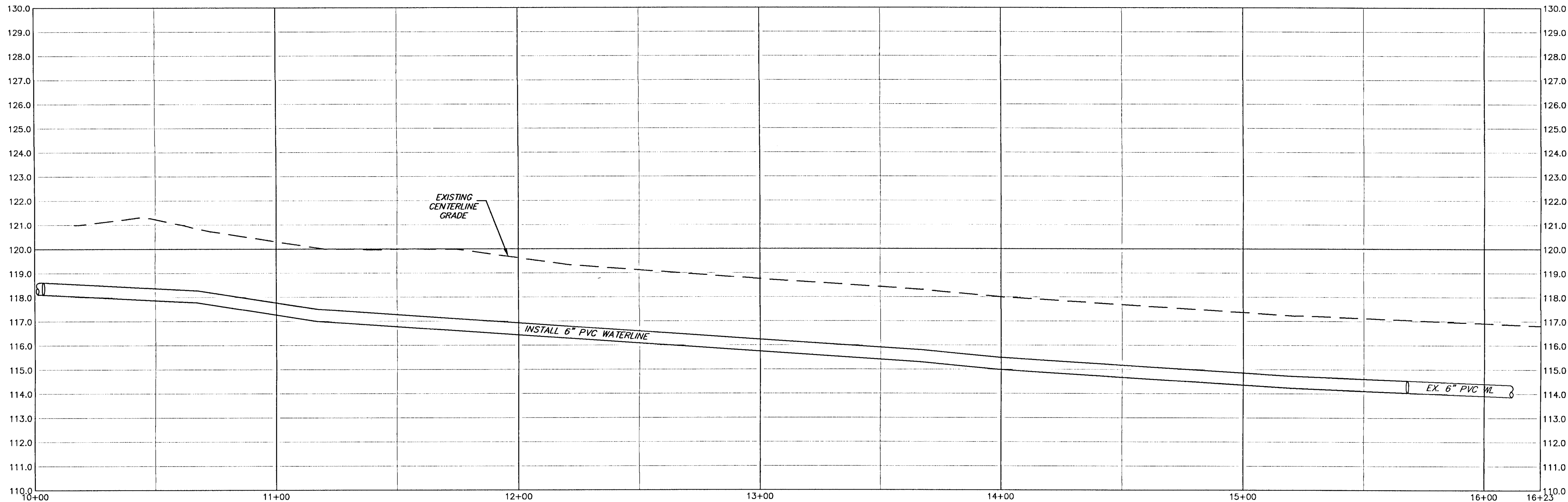


EROSION CONTROL NOTES:

- CONTRACTOR TO IMPLEMENT BMPs AS NECESSARY THROUGHOUT CONSTRUCTION
- THE EROSION AND SEDIMENT CONTROL RULES ARE PERFORMANCE ORIENTED. THAT IS, THE MEASURES USED AT A CONSTRUCTION SITE MUST BE EFFECTIVE IN CONTROLLING EROSION AND PREVENTING OFF-SITE SEDIMENTATION FOR THE SITE TO BE IN COMPLIANCE. FOLLOWING AN APPROVED PLAN AND INSTALLING THE CONTROL MEASURES MAY NOT BE ENOUGH FOR A SITE TO BE IN COMPLIANCE WITH THE RULES. IF EROSION AND OFF-SITE SEDIMENTATION OCCUR, THE CONTRACTOR WILL BE RESPONSIBLE FOR INSTALLING ADDITIONAL MEASURES TO CORRECT ANY PROBLEM ASSOCIATED WITH COMPLIANCE OF THE NPDES PERMIT OR ANY OTHER PERMIT REQUIRED FOR THE SITE CONSTRUCTION. THE CONTRACTOR WILL ALSO BE COMPLETELY RESPONSIBLE FOR ANY FINES LEVIED BY ANY GOVERNING AGENCY ON THE PROJECT DURING CONSTRUCTION.

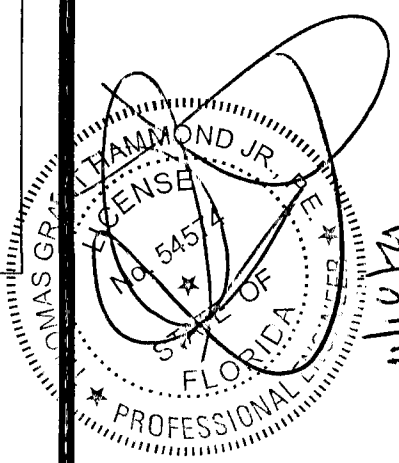
NOTES:

- ALL WATER DISTRIBUTION SYSTEM WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST ECUA DESIGN STANDARDS, ALL APPLICABLE LOCAL AND STATE REGULATORY RULES AND REGULATIONS, AND OTHER APPLICABLE ECUA RULES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CITY OR COUNTY RIGHT-OF-WAY (R/W) PERMITS FOR WORK IN THE CITY R/W, COUNTY R/W OR A FDOT PERMIT FOR WORK IN THE FDOT R/W.
- THE CONTRACTOR SHALL CONTACT ECUA'S FIELD INSPECTOR A MINIMUM 48 HOURS PRIOR TO INITIATING THE WATER DISTRIBUTION SYSTEM WORK, INCLUDING ALL UTILITY MAIN TAPS BY THE CONSTRUCTOR.
- THE MINIMUM HORIZONTAL AND VERTICAL SEPARATION REQUIREMENTS FOR WATER LINES SHALL CONFORM TO THE LATEST ECUA AND FDEP RULES.
- WATER LINES SHALL BE DESIGNED TO PROVIDE A MINIMUM OF 30 INCHES OR A MAXIMUM OF 36 INCHES OF COVER BELOW THE PROPOSED FINISHED GRADE. DEVIATIONS FROM THE REQUIRED MINIMUM OR MAXIMUM COVER MAY BE ALLOWED WHERE CONDITIONS REQUIRE, SUBJECT TO PRIOR APPROVAL OF ECUA.
- THE CONTRACTOR SHALL MINIMIZE SERVICE INTERRUPTIONS TO EXISTING ECUA CUSTOMERS. IF ECUA APPROVES A SERVICE INTERRUPTION, THEN THE CONTRACTOR WILL BE RESPONSIBLE FOR COORDINATING THE NOTIFICATION OF IMPACTED CUSTOMERS IN ACCORDANCE WITH THE LATEST ECUA RULES.
- LANDSCAPING TO BE REPAIRED/REPLACED TO MATCH EXISTING CONDITIONS.
- ALL DISTURBED EXISTING DRIVEWAYS AND OTHER STRUCTURES IN THE RIGHT OF WAY SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION.
- CONTRACTOR TO COORDINATE DRIVEWAY CUT AND REPAIR WITH HOMEOWNER
- ALL DISTURBED AREAS IN R/W TO BE SODDED.



REVISIONS		REVIEW COMMENTS	
NO.	DATE	AS PER ECUA	AS PER ECUA
1.	9/1/2021	AS PER ESCAMBIA COUNTY DRC REVIEW	AS PER ESCAMBIA COUNTY DRC REVIEW
2.	9/7/2021	REVISED PLANS IN AREA OF MONUMENTED OVERLAP ALONG SOUTH BOUNDARY	REVISED PLANS IN AREA OF MONUMENTED OVERLAP ALONG SOUTH BOUNDARY
3.	9/28/2021	REVISED PLANS FOR NEW BOUNDARY SURVEY DATA WITH LEGAL DESCRIPTION	REVISED PLANS FOR NEW BOUNDARY SURVEY DATA WITH LEGAL DESCRIPTION
4.	10/01/2021	AS PER DRC STORMWATER SECONDARY REVIEW	AS PER DRC STORMWATER SECONDARY REVIEW
5.	10/25/2021		

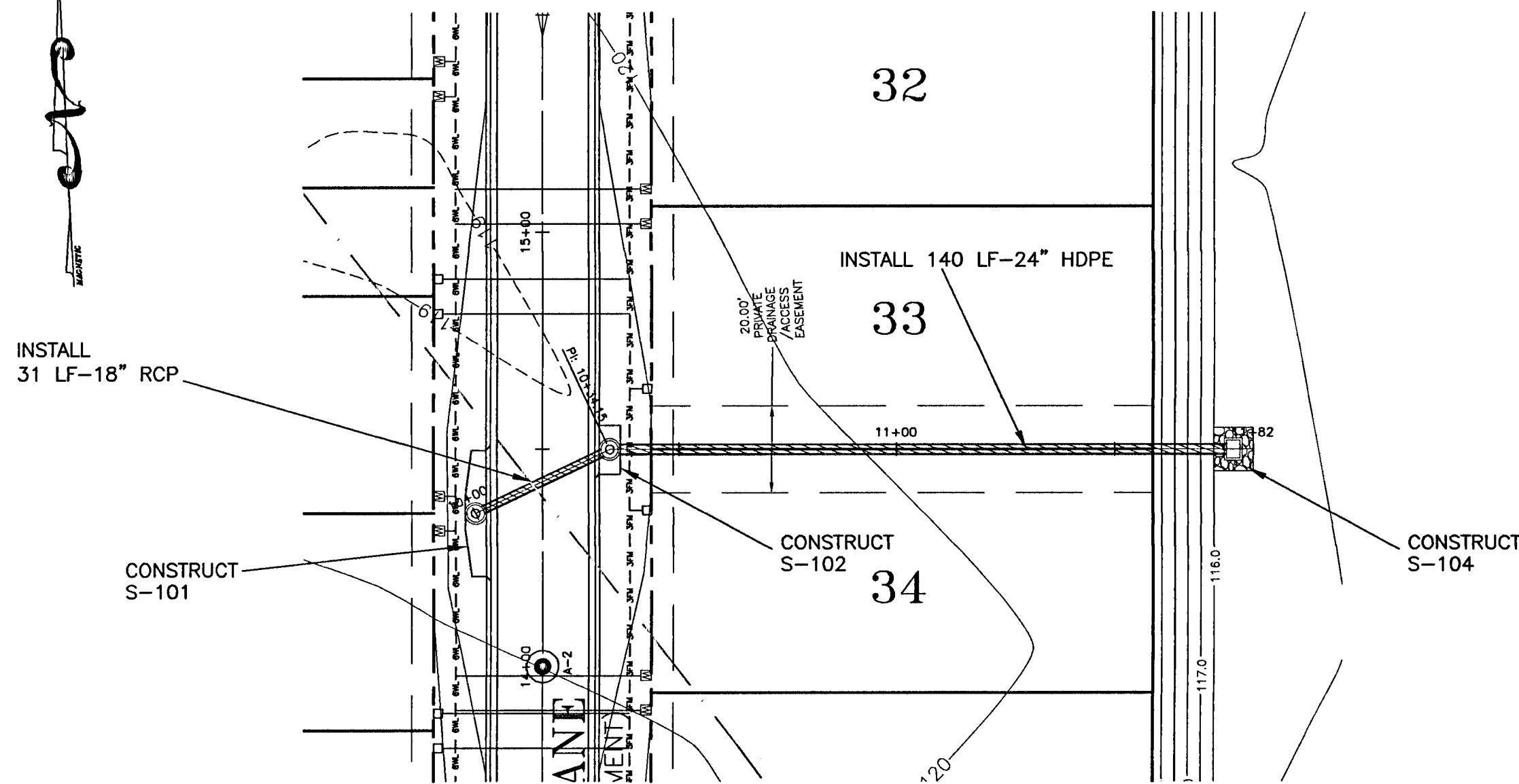
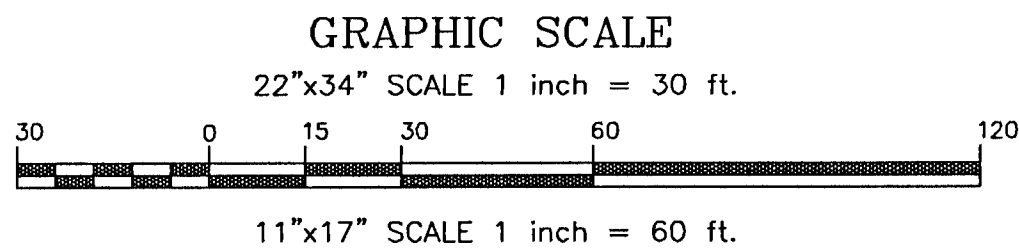
HAMMOND ENGINEERING, INC.
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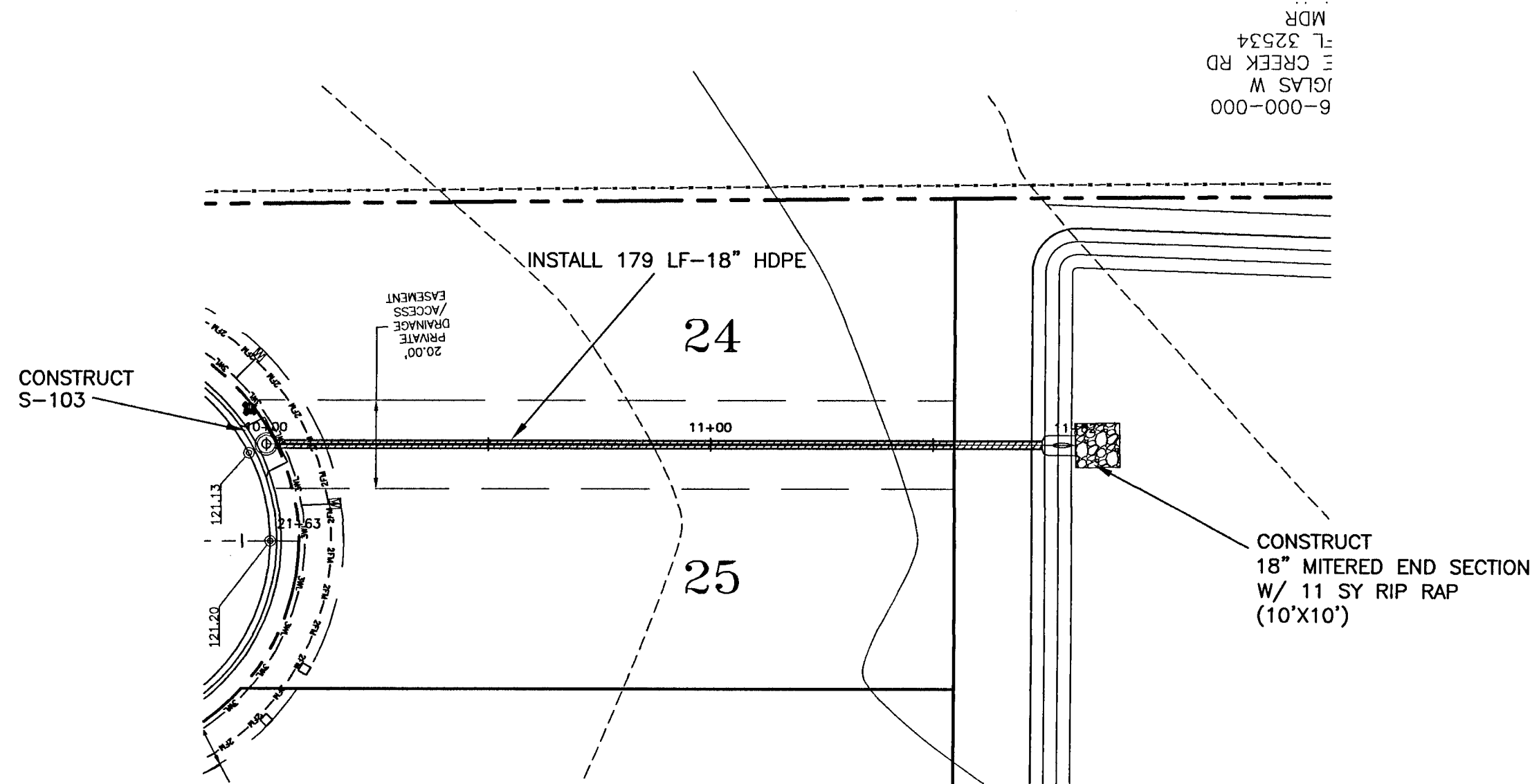
CONSTRUCTION PLANS FOR
MARY ANNETTA
ESTATES
PLAN AND PROFILE
OFFSITE IMPROVEMENTS
ESCAMBIA COUNTY FLORIDA

DRAWN BY: TGH/ARS
DESIGNED BY: TGH/ARS
CHECKED BY: TGH
DATE: OCTOBER 2021
SCALE: AS SHOWN
NOT RELEASED FOR
CONSTRUCTION
BY: DATE:

PROJECT NO: 20-086
SHEET: C9

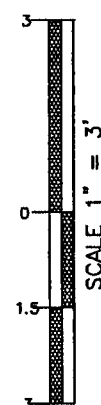


STORM LINE A-1



STORM LINE B-1

VERTICAL SCALE



NOTE: ALL WORK SHALL BE DONE IN ACCORDANCE TO THE PROJECT SPECIFICATIONS. WATER AND SEWER TO BE DONE IN ACCORDANCE WITH ECUA SPECIFICATIONS

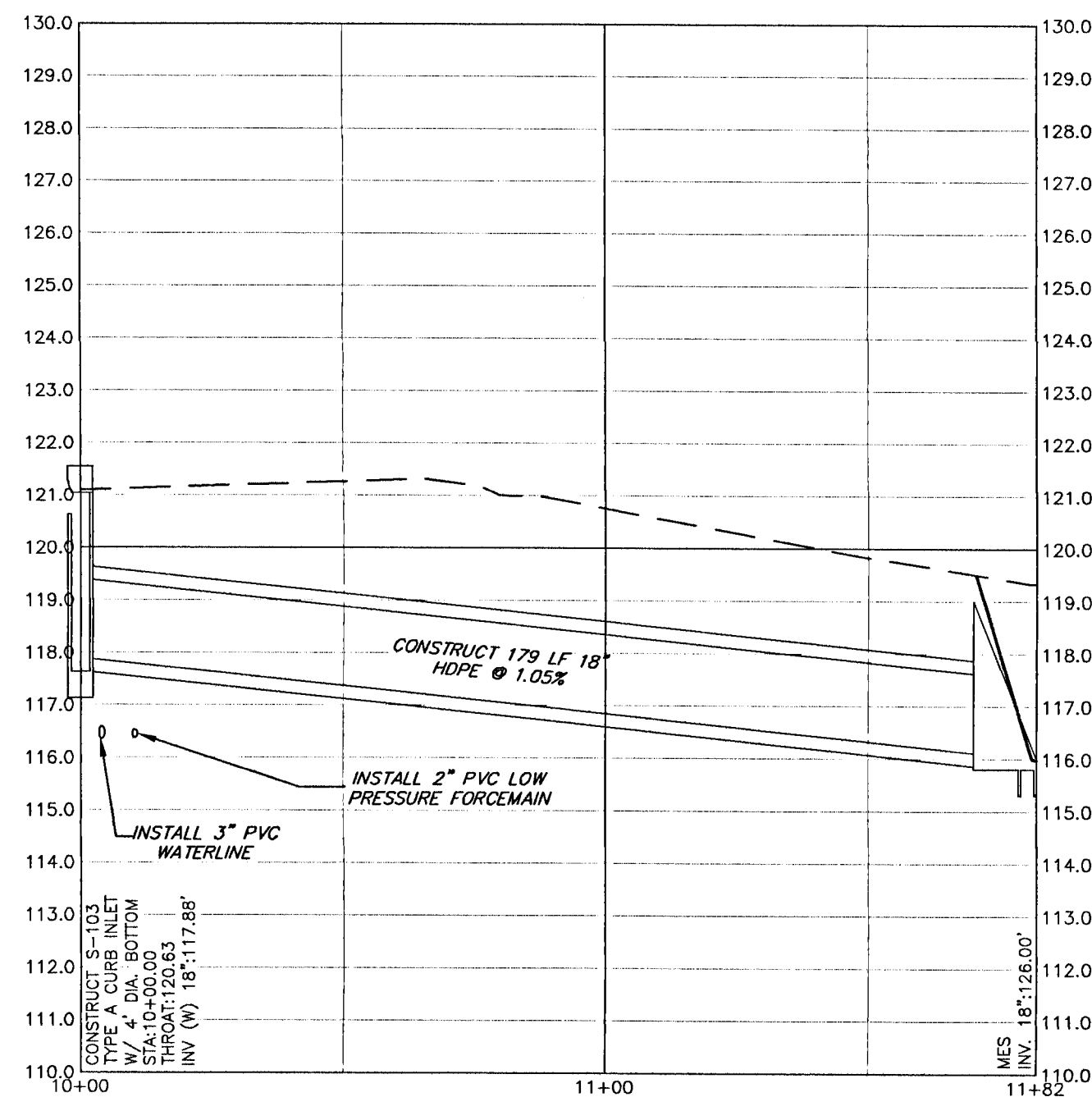
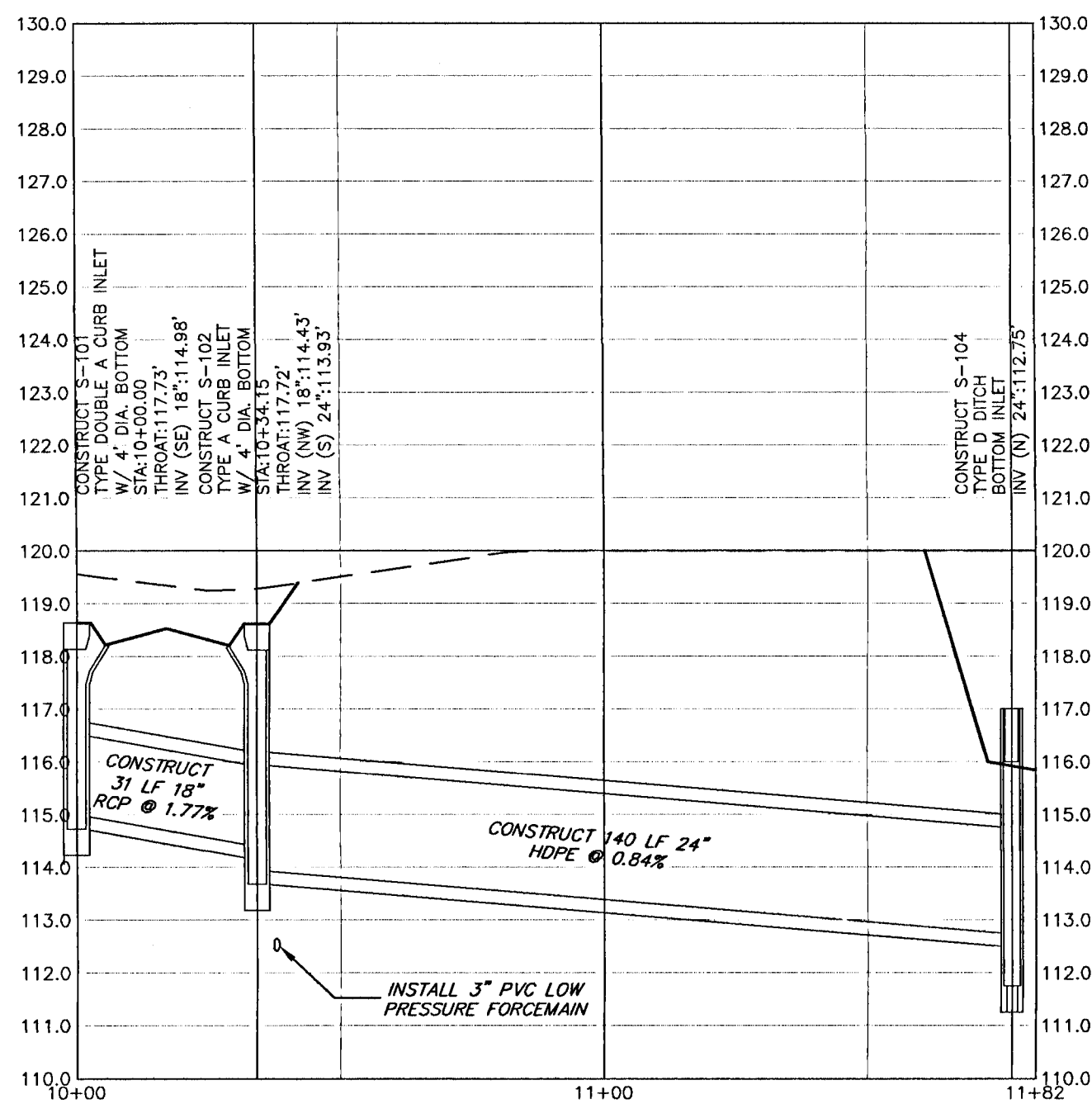
NOTE: ALL PROPOSED WATER SERVICES TO PLACED ON PROPERTY CORNER OPPOSITE POWER TRANSFORMER

NOTE: A MINIMUM OF TWO STRIPS OF SOD (MINIMUM 2' WIDE) ARE REQUIRED BEHIND THE BACK OF CURB WITH ALL OTHER DISTURBED AREAS SEEDED/MULCHED/FERTILIZED.

NOTE: ALL STORMWATER PIPING NOT CONSTRUCTED UNDER ROADWAYS OR CURBS SHALL BE HDPE. ALL STORMWATER PIPING CONSTRUCTED UNDER ROADWAYS OR CURBS SHALL BE RCP.

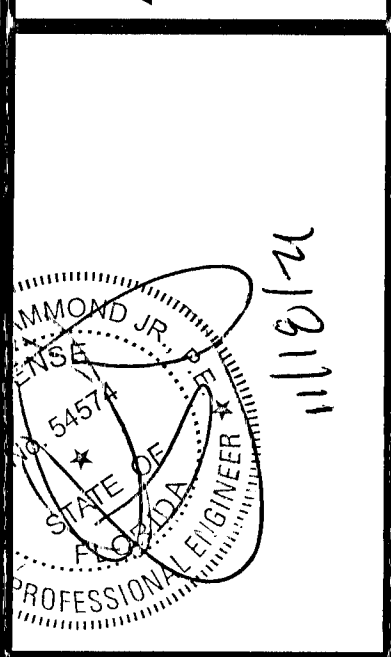
NOTE: WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST SIX FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED VACUUM-TYPE SANITARY SEWER. REFERENCE ECUA DETAIL D-64 (WATER/SEWER SEPARATION).

UTILITY CONFLICT RESOLUTION NOTE: AT LOCATIONS WHERE A WATER OR FORCE MAIN CROSSES AND CONFLICTS VERTICALLY WITH STORM PIPE, CONTRACTOR AND ECUA INSPECTOR SHALL SELECT ONE OF THE FOLLOWING CONFLICT RESOLUTIONS:
1. COORDINATE WITH EOR TO SEE IF STORM PIPE CAN BE LOWERED TO ALLEVIATE CONFLICT.
2. GRADUALLY DECREASE APPROACHING WATER OR FORCE MAIN'S COVER SUCH THAT A SECTION OF DUCTILE IRON WATER MAIN, OR DR18 PVC FORCE MAIN, CAN BE INSTALLED OVER STORM PIPE SUCH THAT A MINIMUM OF 18" COVER OVER WATER OR FORCE MAIN IS PROVIDED, ALONG WITH MINIMUM 6" SEPARATION BETWEEN BOTTOM OF WATER OR FORCE MAIN AND TOP OF STORM PIPE.
3. IF COVER AND SEPARATION IN NUMBER 2 CANNOT BE OBTAINED, THEN INSTALL FITTINGS TO ROUTE WATER OR FORCE MAIN UNDER STORM PIPE.



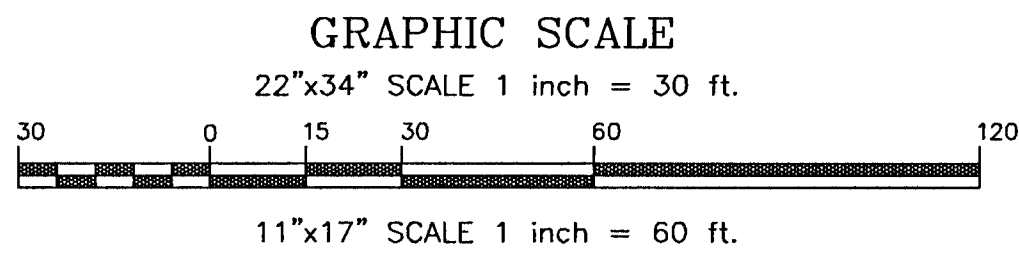
REVISIONS	
NO.	DATE
1.	9/7/2021
2.	9/7/2021
3.	9/28/2021
4.	10/07/2021
5.	10/25/2021

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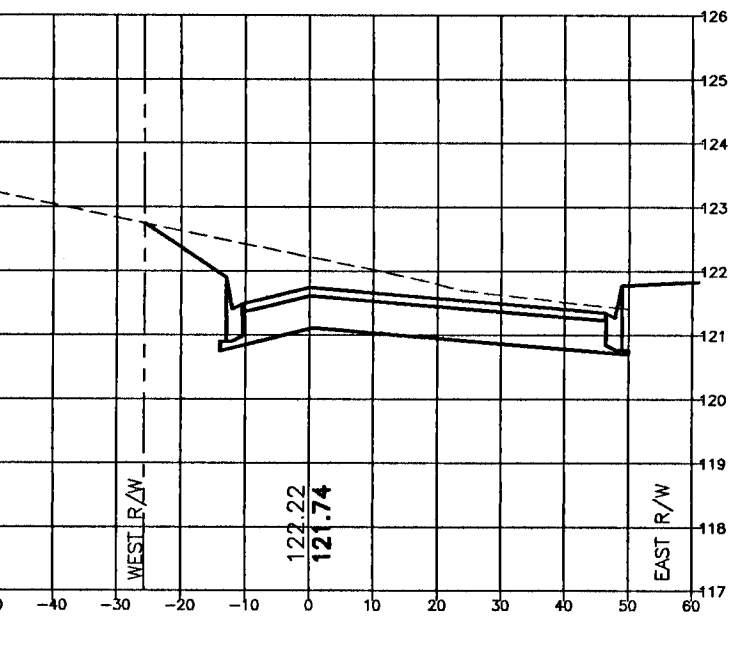
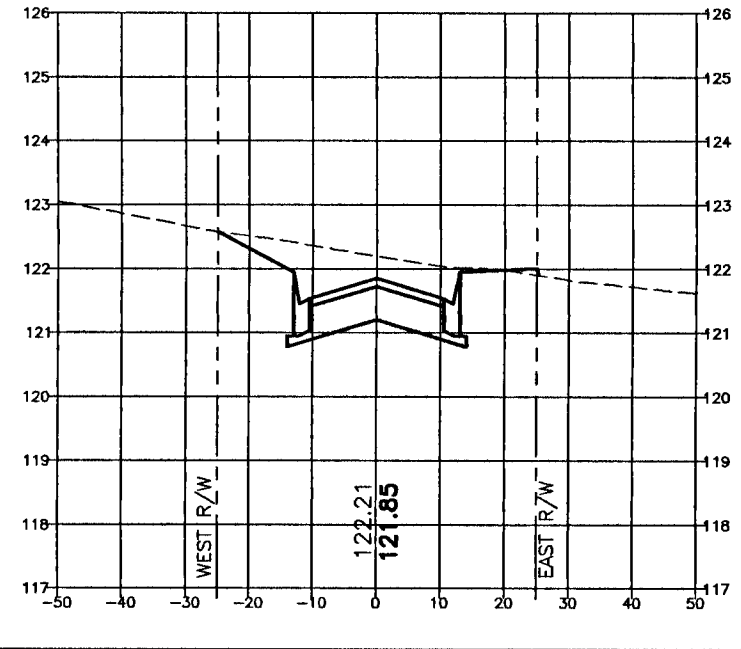
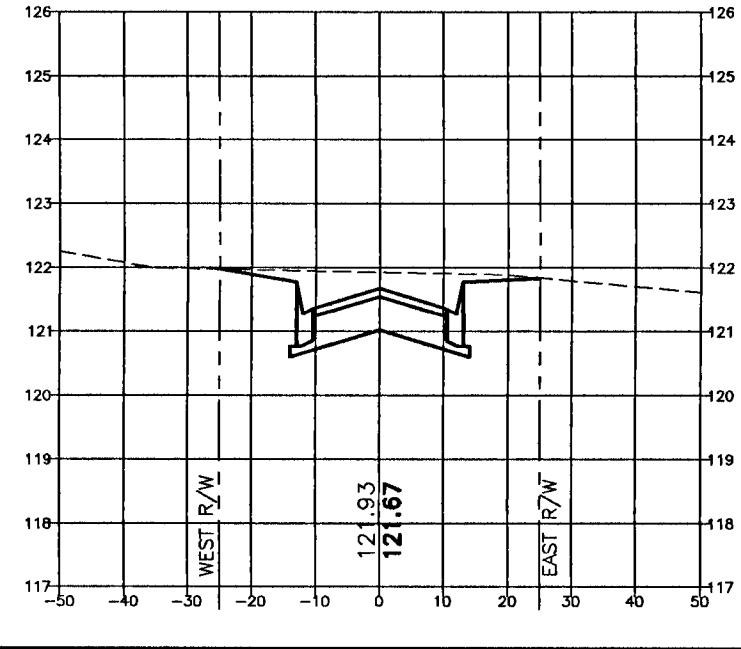
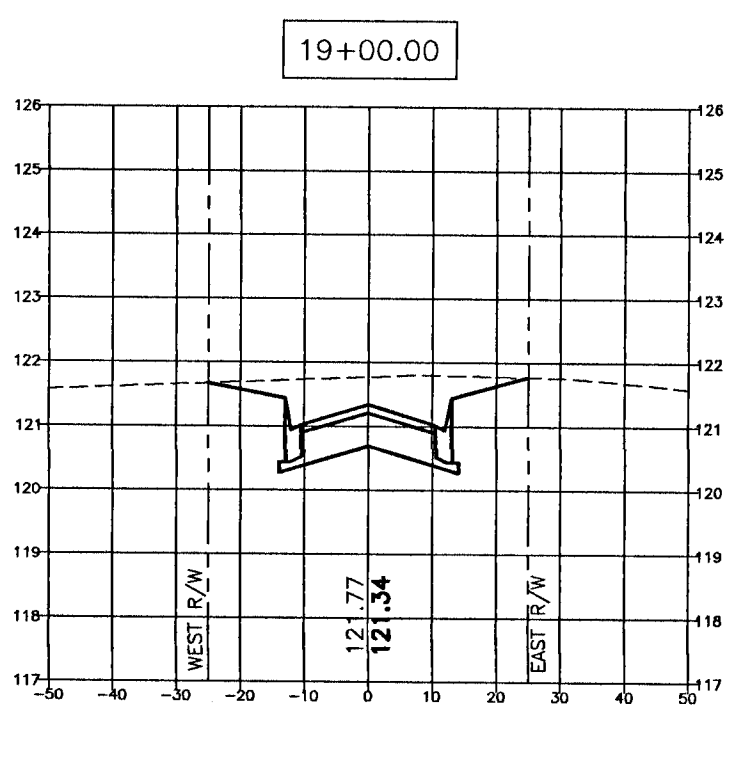
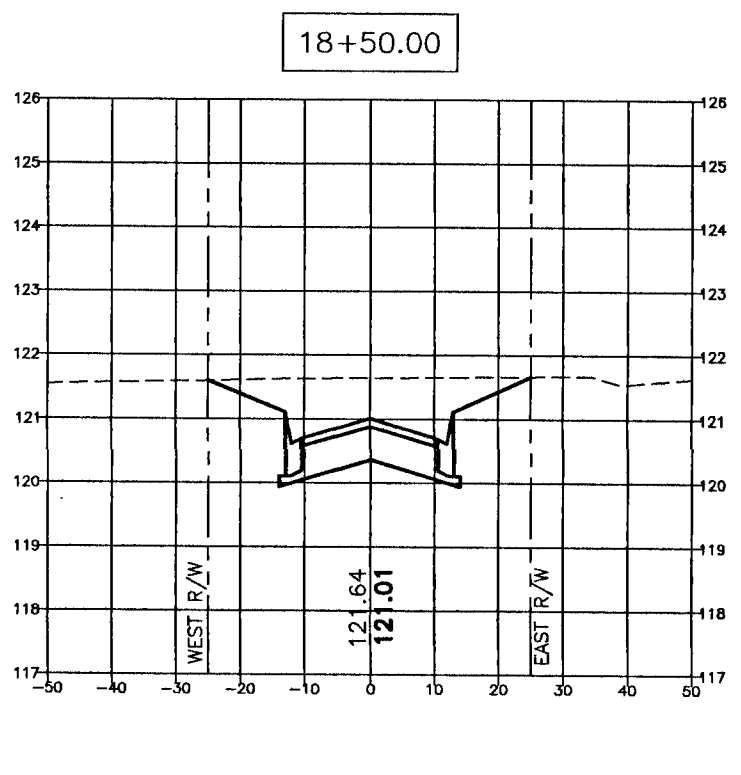
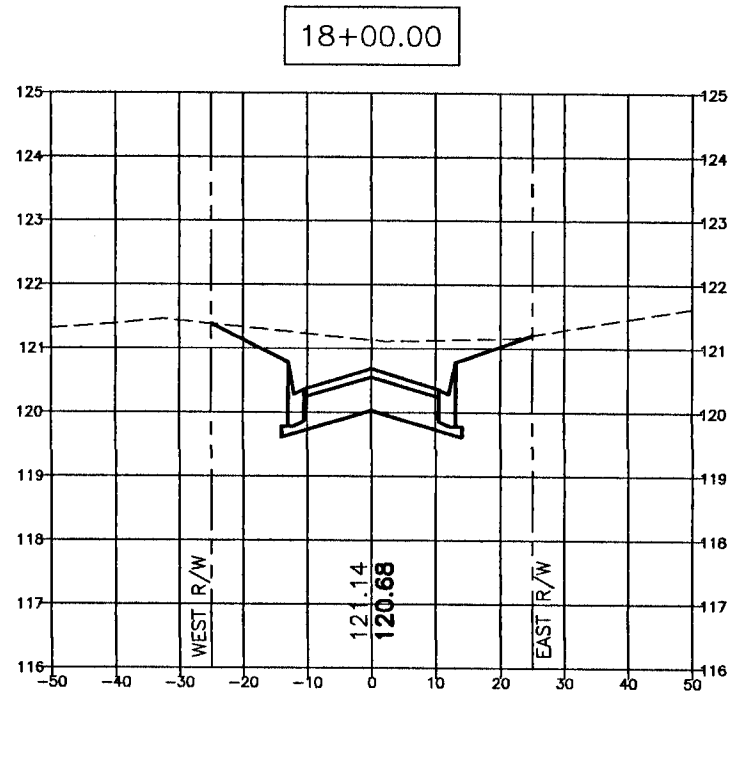
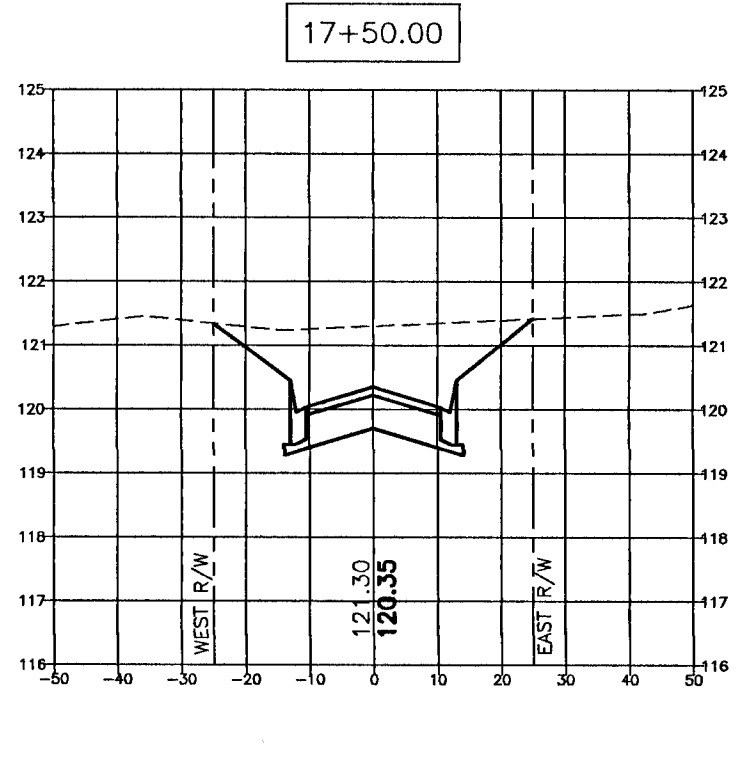
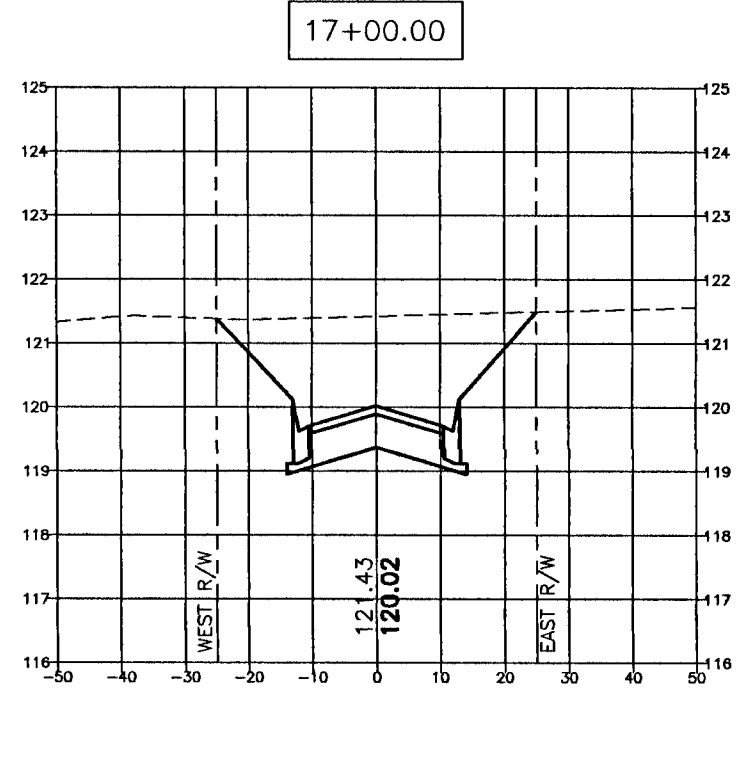
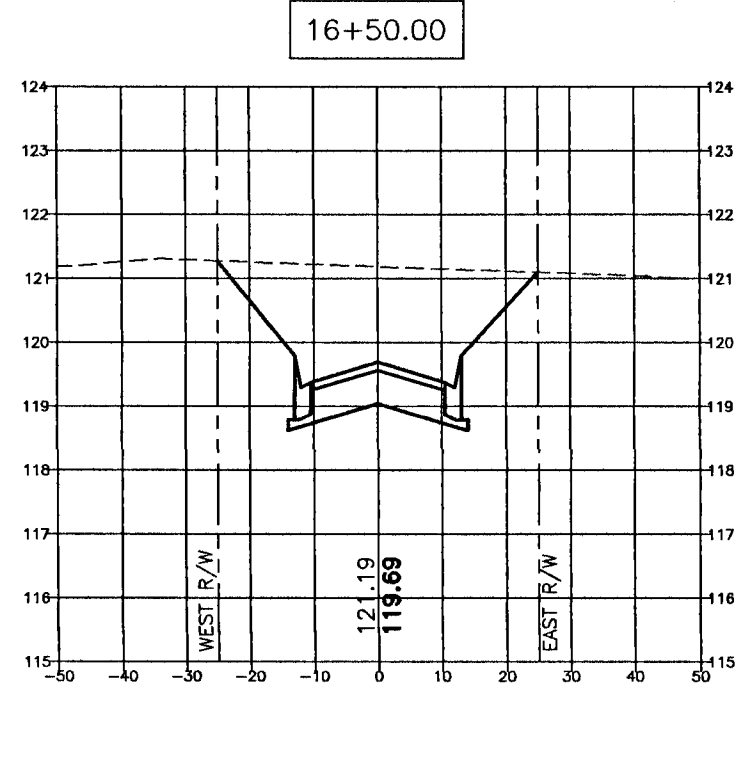
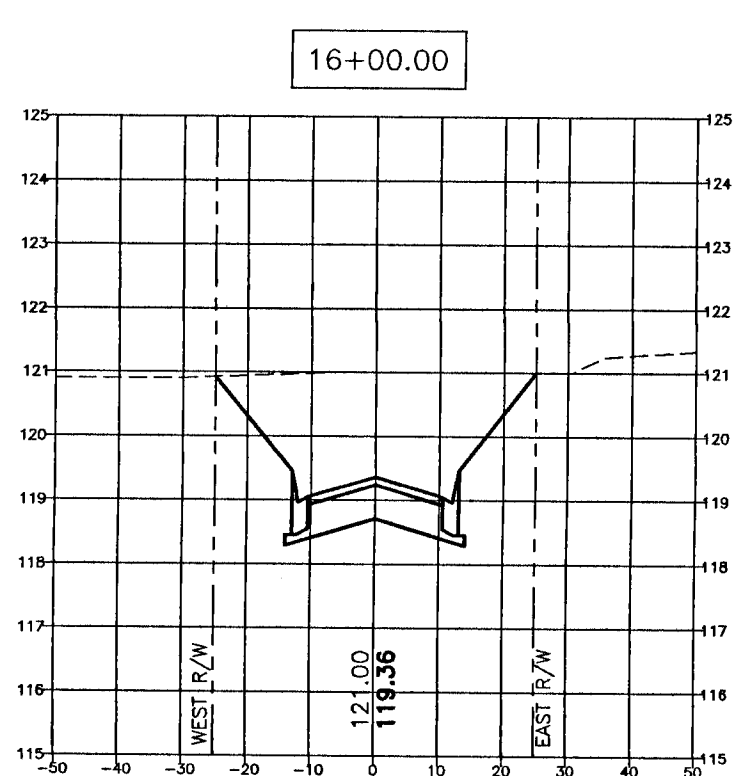
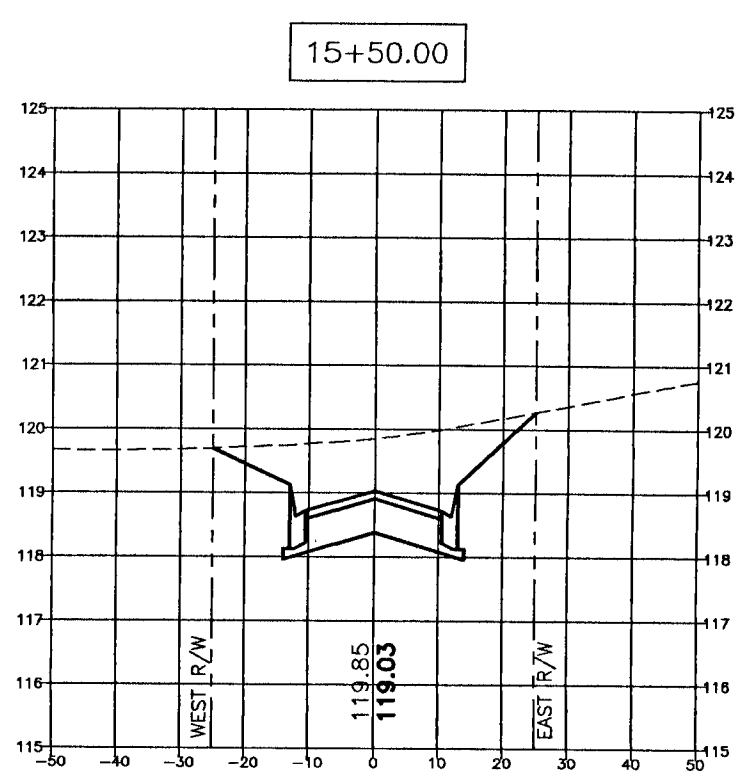
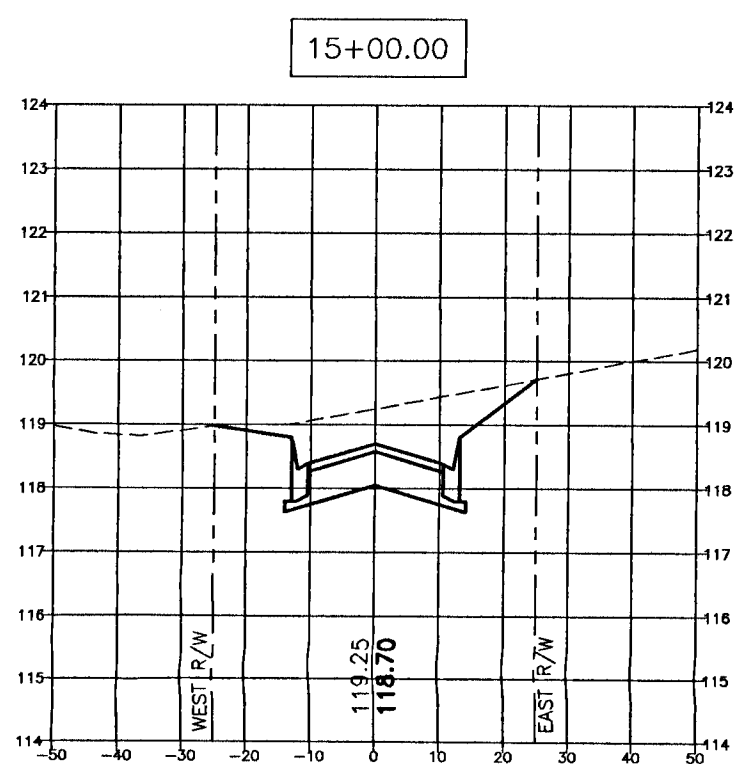
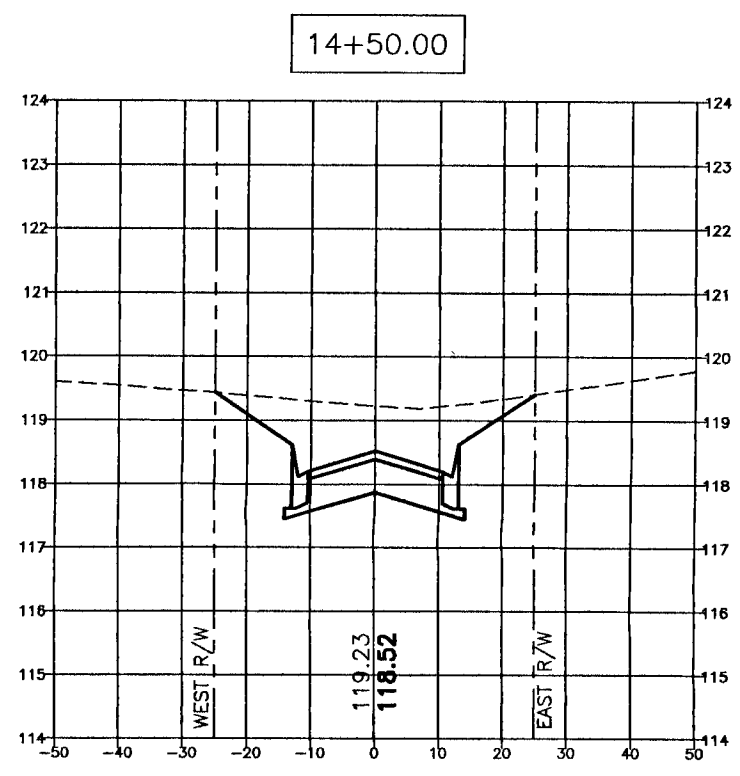
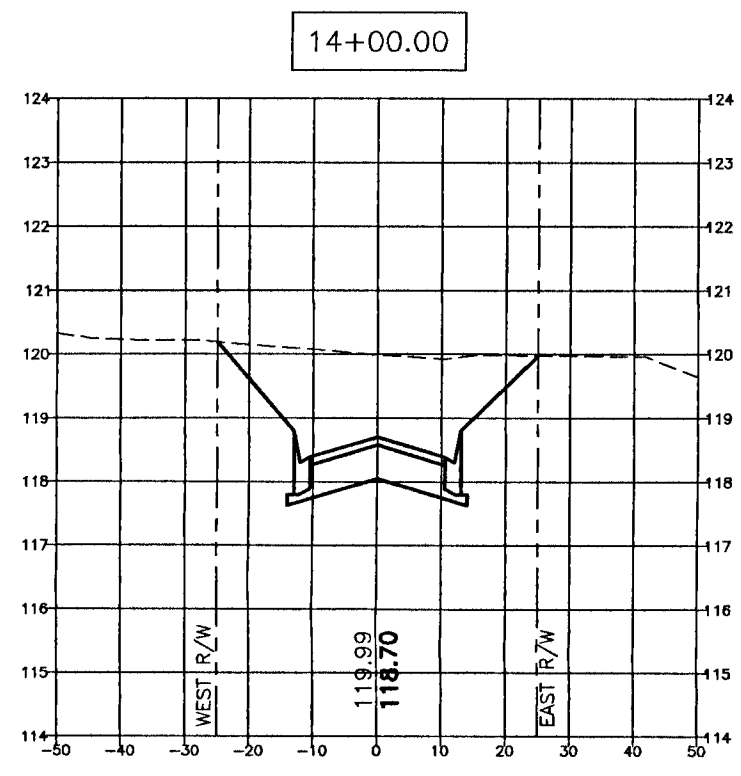
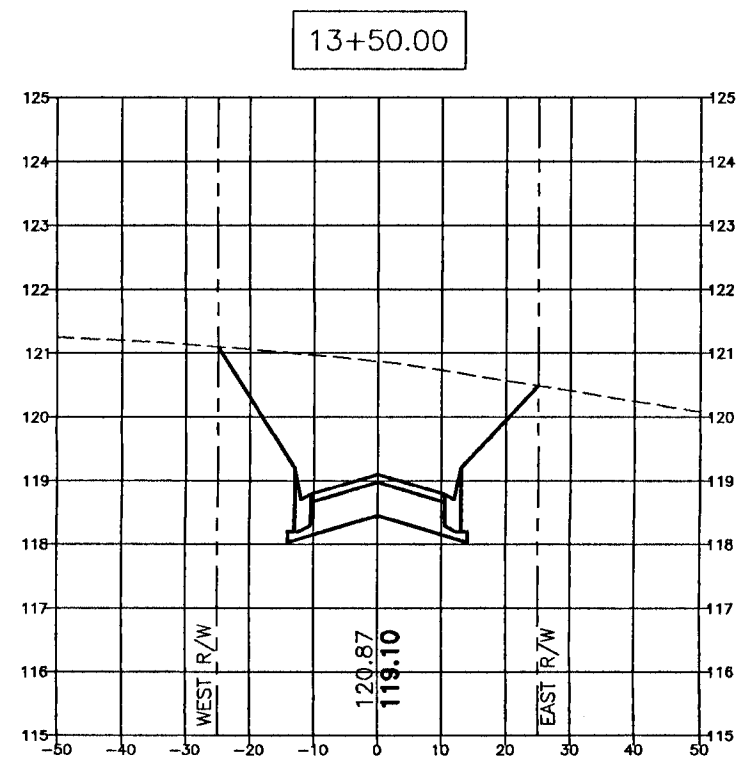
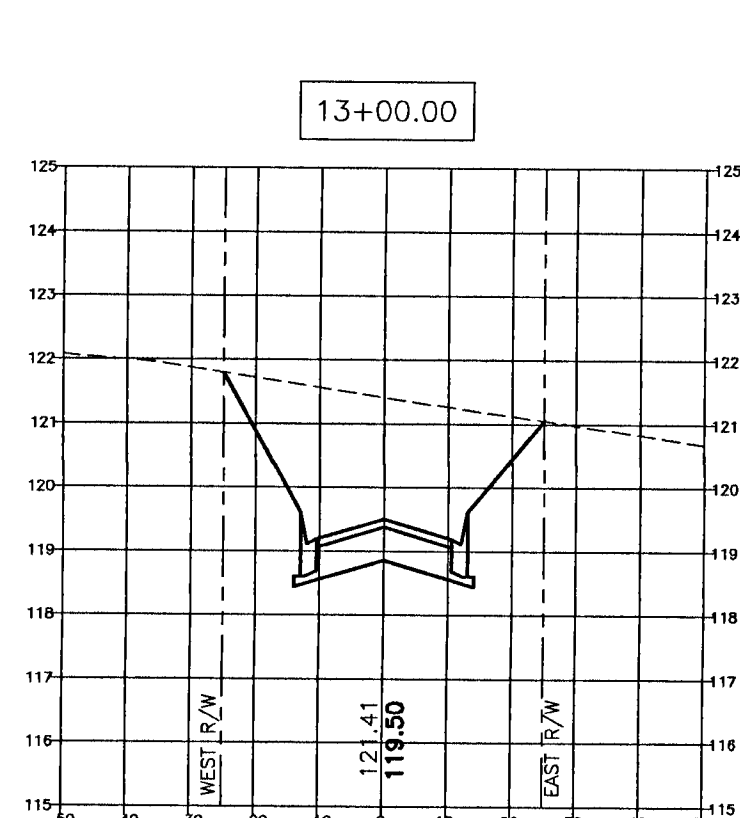
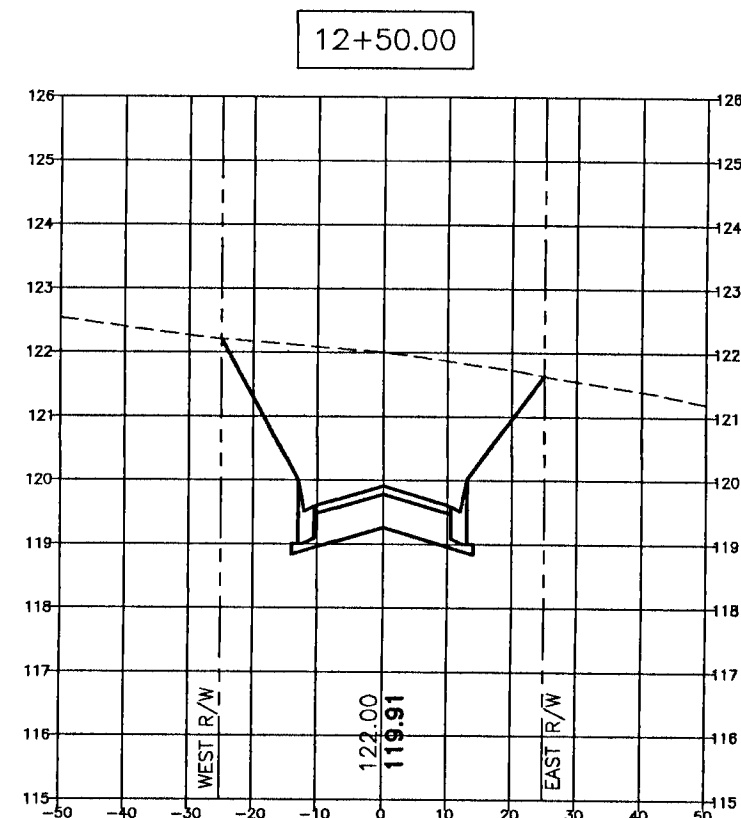
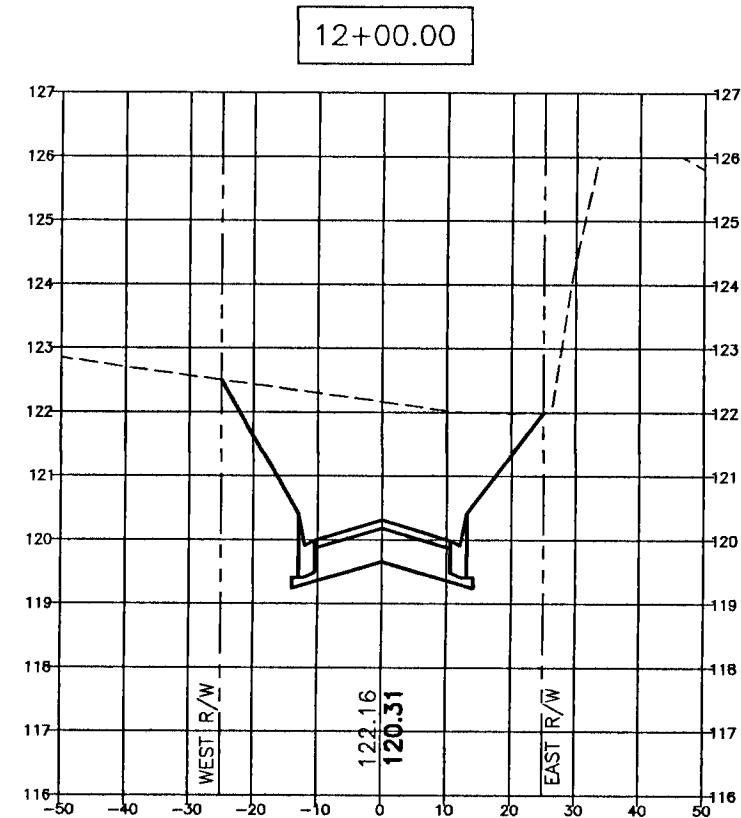
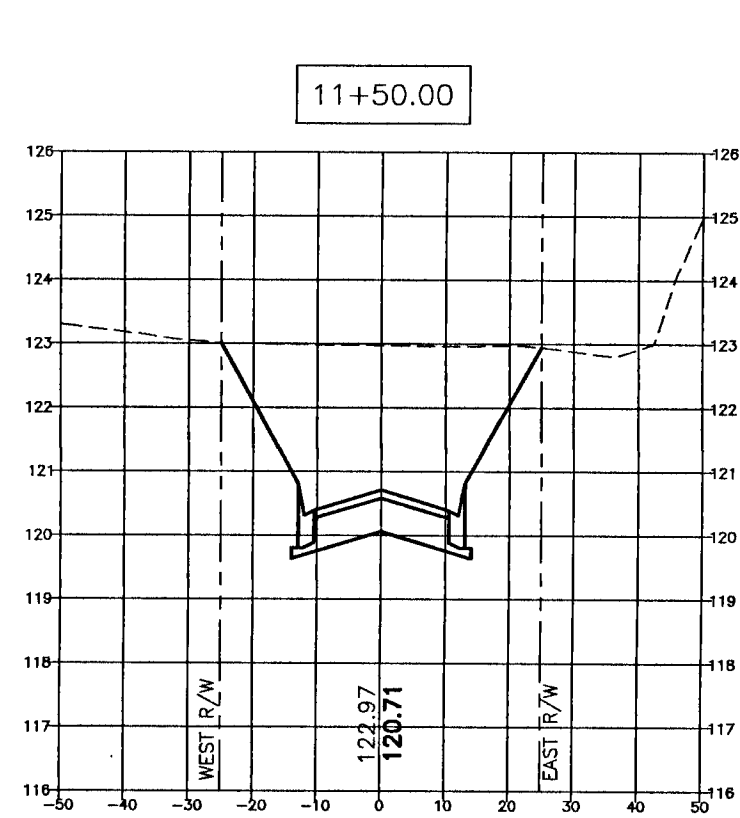
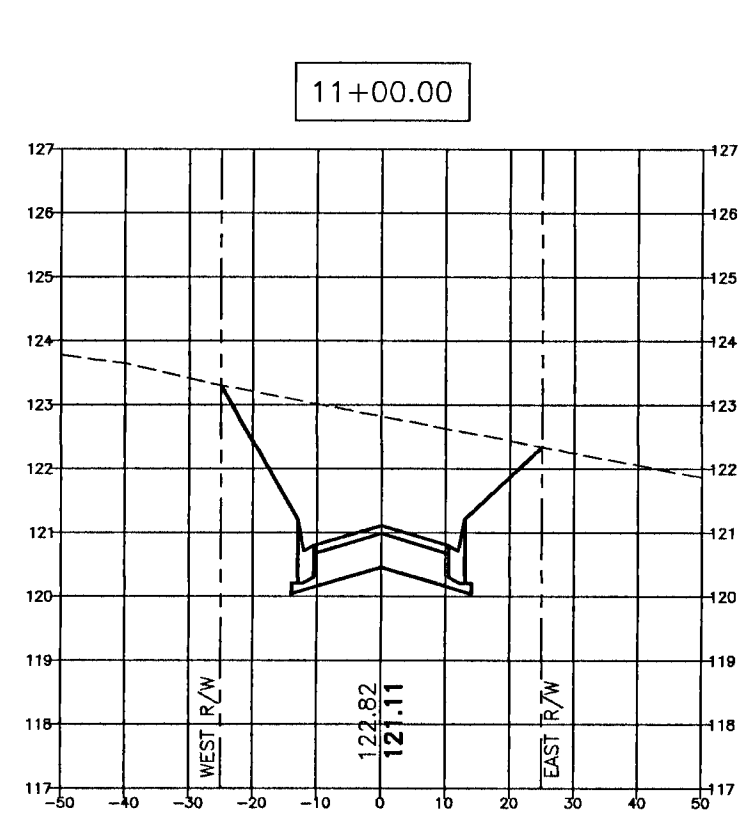
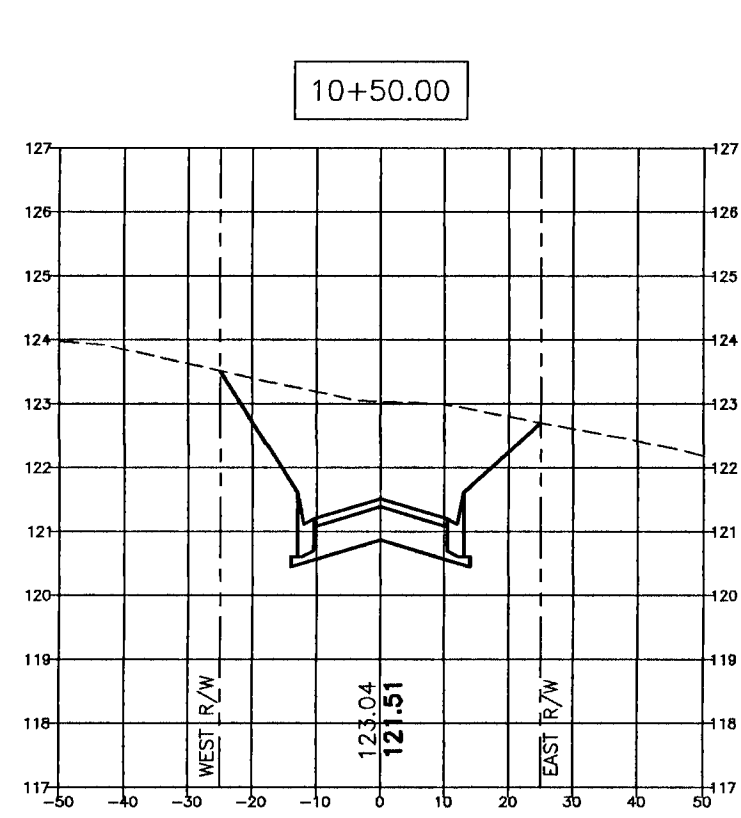
CONSTRUCTION PLANS
MARY ANNETTA
ESTATES
STORMWATER
PLAN AND PROFILE
ESCAMBIA COUNTY FLORIDA

DRAWN BY: CY	DESIGNED BY: TGH/ARB
CHECKED BY: TGH	DATE: OCTOBER 2021
SCALE: AS SHOWN	NOT RELEASED FOR CONSTRUCTION
BY:	DATE:
PROJECT NO: 20-086	
SHEET: C10	

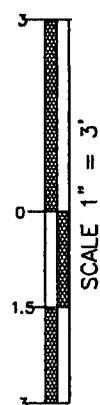


SAVANNAH MICHELLE LANE
(PROPOSED 50' PRIVATE R/W/UTILITY EASEMENT)

EXISTING GRADE
PROPOSED GRADE



VERTICAL SCALE



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CONSTRUCTION PLANS
FOR
MARY ANNETTA
ESTATES
CROSS SECTIONS
FLORIDA
ESCAMBIA COUNTY

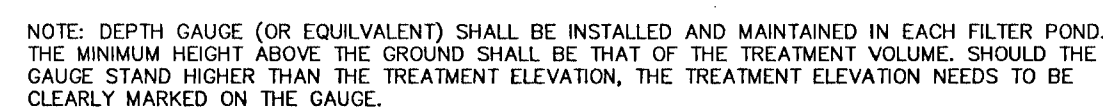
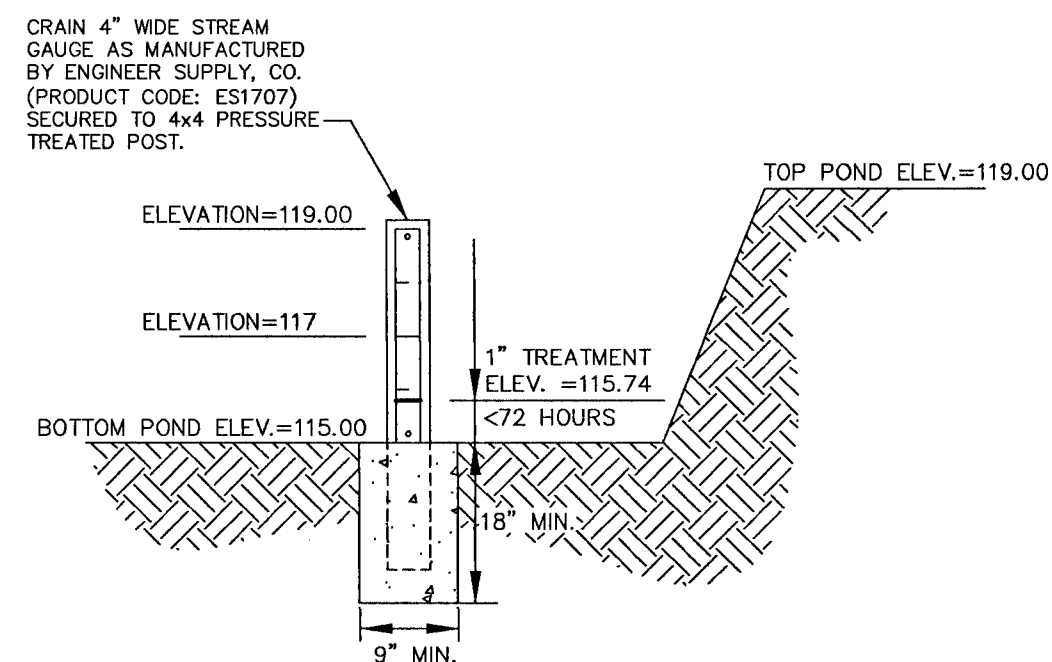
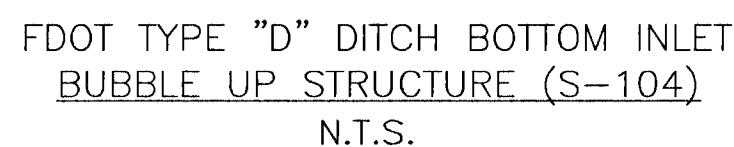
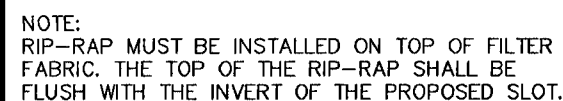
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DESIGNED BY: TGHARS
CHECKED BY: TGH
DATE: OCTOBER 2021
SCALE: AS SHOWN
NOT RELEASED FOR
CONSTRUCTION
PROJECT NO: 20-088
SHEET: C 11

REVISIONS		NO.	DATE	AS PER EQUA REVIEW COMMENTS
1.	9/1/2021	1.	9/1/2021	AS PER ESCAMBIA COUNTY DRC REVIEW
2.	9/28/2021	2.	9/28/2021	REVISED PLANS IN AREA OF MONUMENTED OVERLAP ALONG SOUTH BOUNDARY
3.	10/07/2021	3.	10/07/2021	REVISED PLANS FOR NEW BOUNDARY SURVEY DATA WITH LEGAL DESCRIPTION
4.	10/25/2021	4.	10/25/2021	AS PER DRC STORMWATER SECONDARY REVIEW

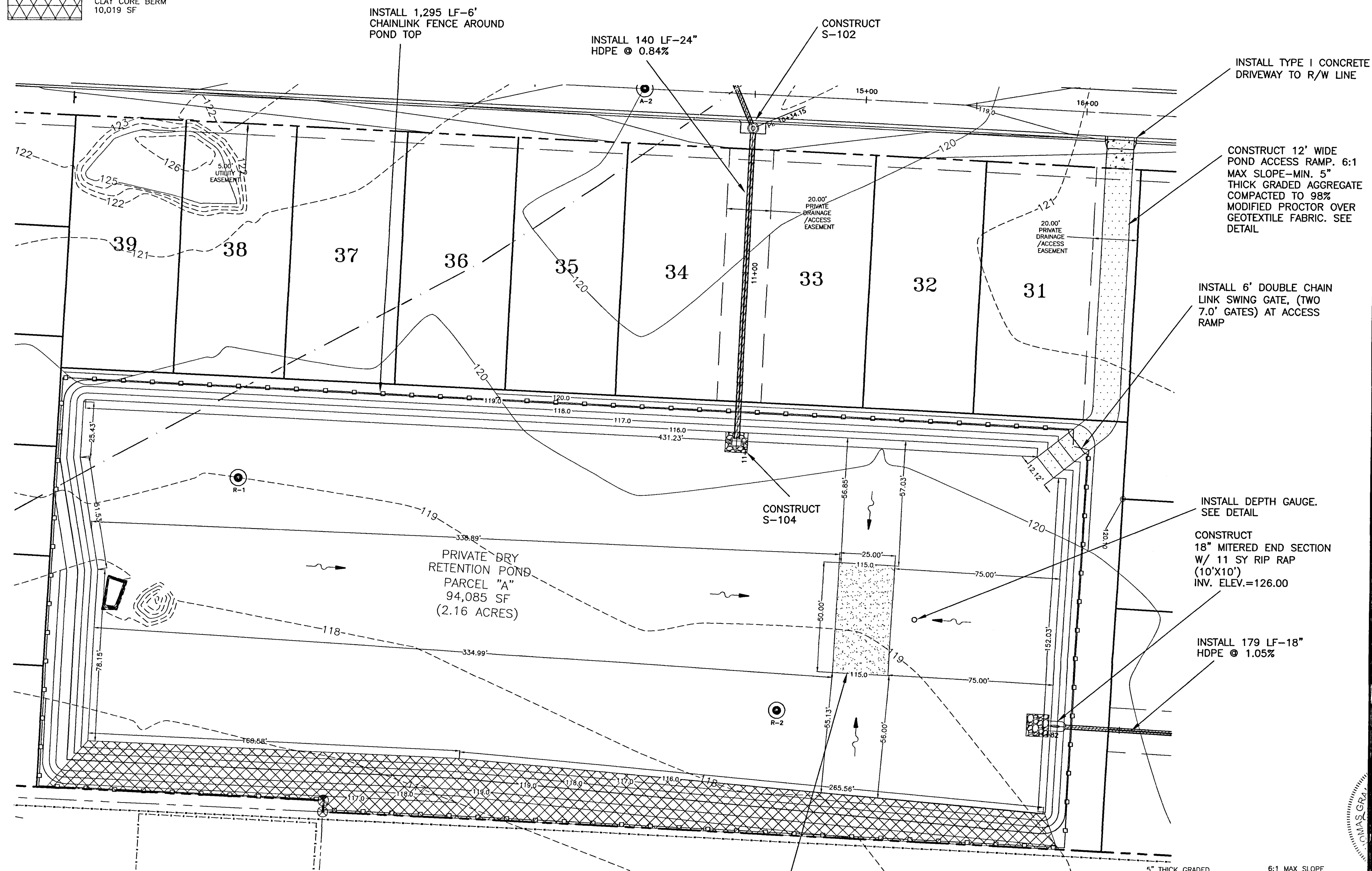
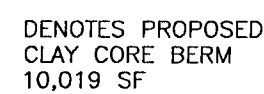


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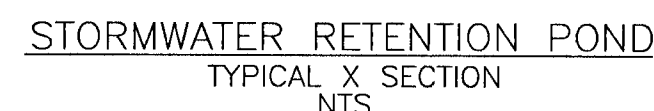
12/01/11



DEPTH GAUGE DETAIL
N.T.S.



TYPICAL GRAVEL POND ACCESS SECTION



NOTE 1: CONTRACTOR TO EXCAVATE SAND CHIMNEY TO ELEVATION 104.50. CONTACT ENGINEER OF RECORD BEFORE BACK FILL PROCEDURE W/CLEAN SAND HAVING A MINIMUM PERMEABILITY RATE OF 1×10^{-7} CM/SEC. AND CONTAINING LESS THAN .5% FINES.

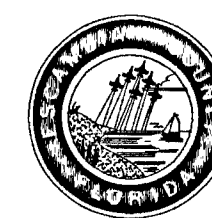
NOTE 2: A REGISTERED GEOTECHNICAL PROFESSIONAL MUST VERIFY ON SITE THE REMOVAL OF THE EXISTING LESS PERMEABLE MATERIAL FOUND AT THE PROPOSED CHIMNEY BOTTOM AND THAT THE BOTTOM OF THE PROPOSED SAND CHIMNEY IS EXCAVATED TO THE SPECIFIED ELEVATION AND KEYED INTO THE MORE PERMEABLE STRATA LOCATED FROM ELEVATION 107.0 TO 89.0 BACKFILL PROCEDURES SHOULD NOT COMMENCE UNTIL SAID REGISTERED PROFESSIONAL HAS SIGNED OFF.

NOTE 3: DO NOT SOD SAND CHIMNEY!!!

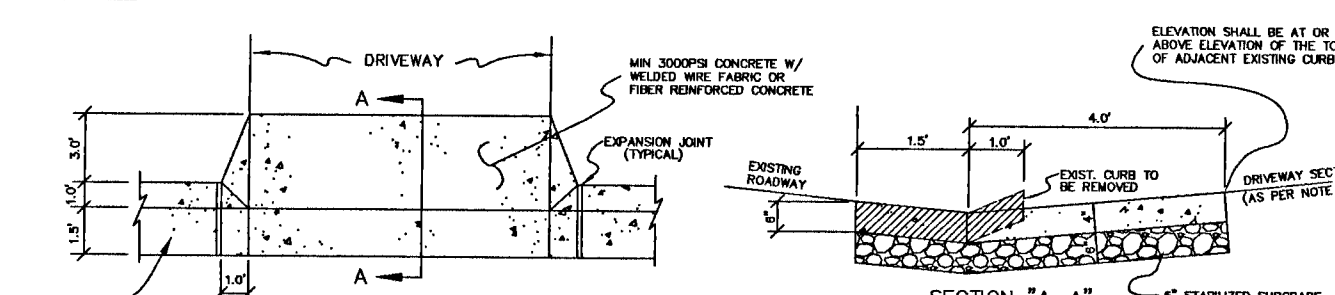
A REGISTERED GEOTECHNICAL PROFESSIONAL MUST VERIFY AND APPROVE THE MATERIAL UTILIZED FOR THE SAND CHIMNEY PRIOR TO INSTALLATION OF THE MATERIAL. A COPY OF THE TESTING RESULTS VERIFYING THE ABOVE REFERENCED SPECIFICATIONS MUST BE SENT TO THE ENGINEER OF RECORD

NOTES: TYPICAL DRIVEWAY CONNECTION STANDARDS
FOR EXISTING ROADWAY CONDITIONS

- NOTES:** FOR EXISTING ROADWAY CONDITIONS
1. ALL MATERIALS AND LABOR FOR INSTALLATION WILL BE THE RESPONSIBILITY OF THE PROPERTY OWNER.
 2. DRIVEWAYS ABUTTING PAVED ROADS SHALL BE 1-1/2" ASPHALT WITH 6" STABILIZED SUBGRADE OR 4" TO 6" TO CONCRETE WITH 4" STABILIZED SUBGRADE - 95% COMPACTION (MODIFIED PROCTOR) WITH LBR 40 BETWEEN EDGE OF ROADWAY AND 1/4" LINE.
 3. DRIVEWAYS ABUTTING A DIRT ROAD SHALL BE MILLED ASPHALT, GRADED AGGREGATE BASE, OR WASHED CONCRETE (4" IN DEPTH) ON THE COUNTY MAINTAINED PORTION OF DRIVEWAY.
 4. IF NECESSARY, REFER TO F.D.O.T. INDEX DETAILS AS REFERENCED BELOW.
 5. RADIUS OR FLARE IS ACCEPTABLE FOR TYPE B OR TYPE II CONNECTIONS.
 6. DRIVEWAYS WITHIN PROPERTY BOUNDARY SHALL PROVIDE A MINIMUM OF 2 PARKING SPACES.
 7. TYPICAL DRIVEWAY SECTIONS ARE TO BE 12" WIDE MINIMUM.



TYPE 1 CURB CUT DRIVEWAY FOR COUNTY TYPE "B" LAYBACK CURBS.




NOTES:

1.) SEE STANDARD COUNTY CURB DETAILS FOR REFERENCE.
2.) SEE F.D.O.T. INDEX NO. 515 FOR OTHER CONNECTIONS.

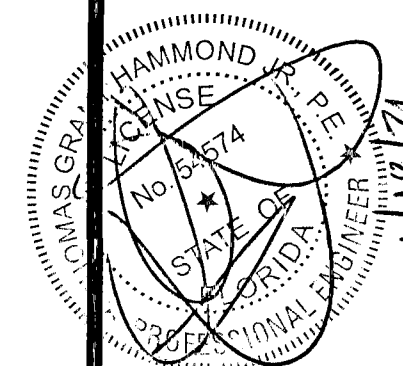
* FOR OTHER TYPE CURBS DIMENSIONS MAY BE ADJUSTED TO FIT

REVISIONS		DATE	NO.
AS PER EQUA REVIEW COMMENTS	1.	9/1/2021	1.
AS PER ESCAMBA COUNTY DRC REVIEW	2.	9/7/2021	2.
REVISED PLANS IN AREA OF MONUMENTED OVERLAY ALONG SOUTH BOUNDARY	3.	9/28/2021	3.
REVISED PLANS FOR NEW SURVEY DATA WITH LOCAL DESCRIPTION	4.	10/7/2021	4.
AS PER DRC STORMWATER SECONDARY REVIEW	5.	10/25/2021	5.

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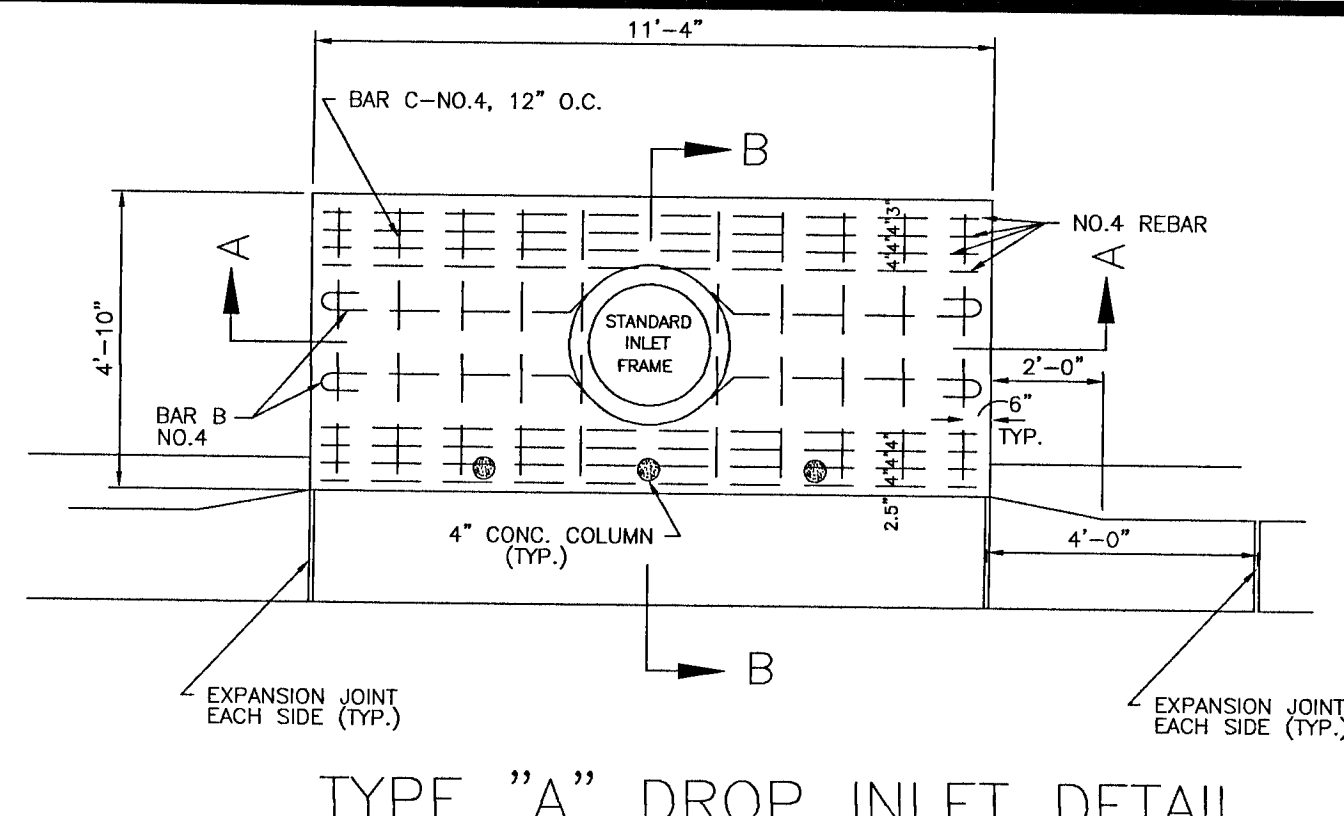
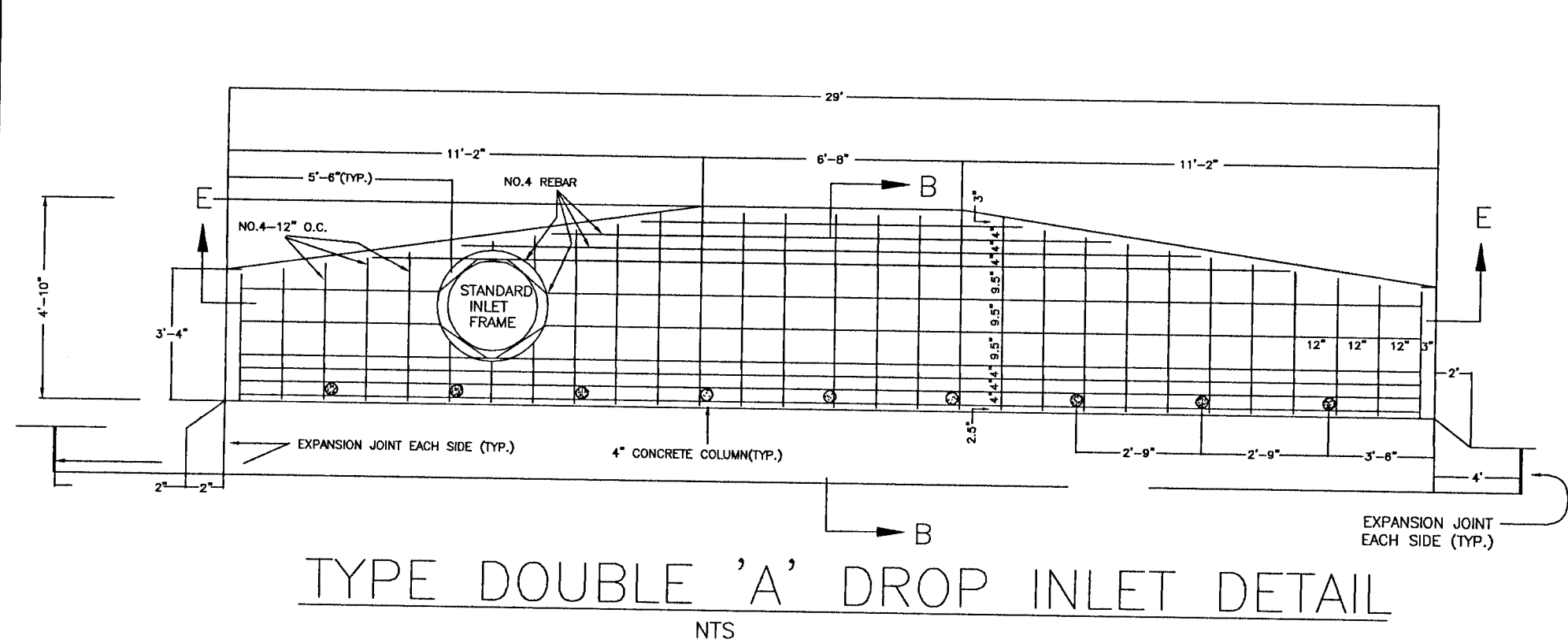


CONSTRUCTION PLANS FOR
MARY ANNETTA ESTATES
STORMWATER POND DETAILS
SCAMBA COUNTY FLORIDA

DRAWN BY: CY
DESIGNED BY: TGH/ARS
CHECKED BY: TGH
DATE: OCTOBER 2021
SCALE: AS SHOWN
NOT RELEASED FOR
CONSTRUCTION
BY: DATE:

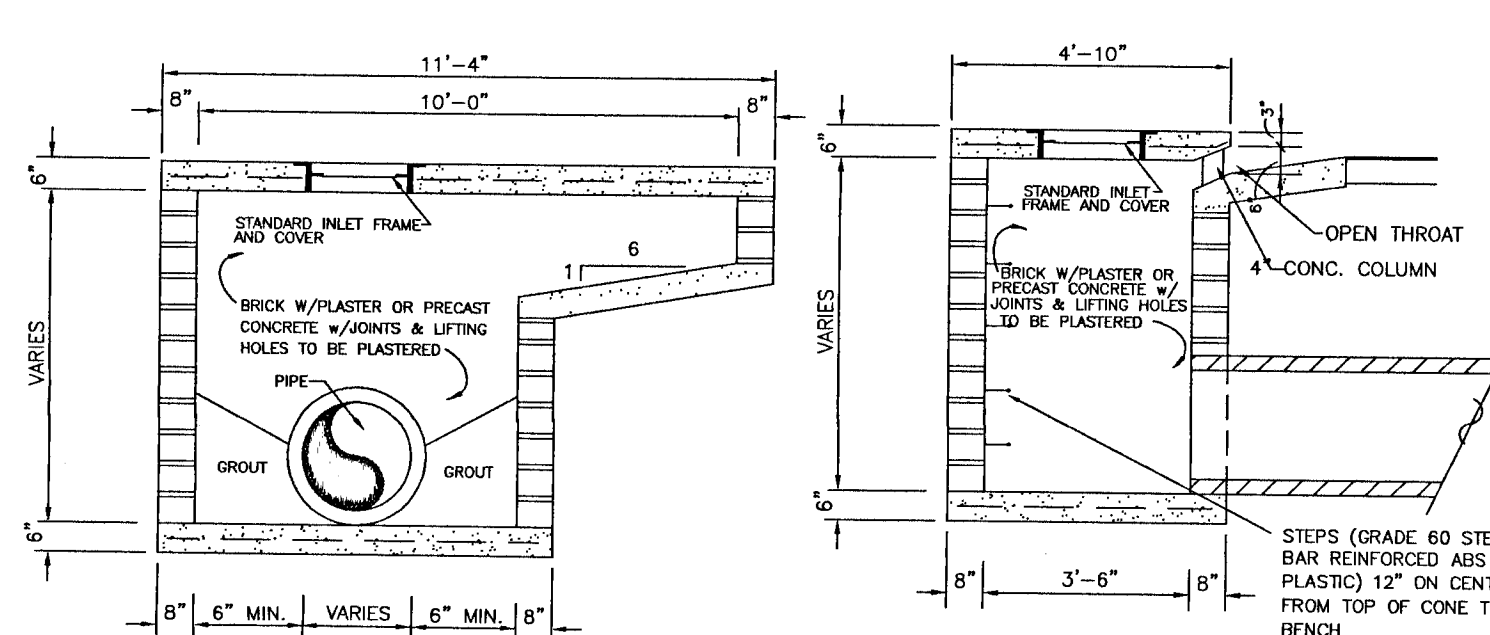
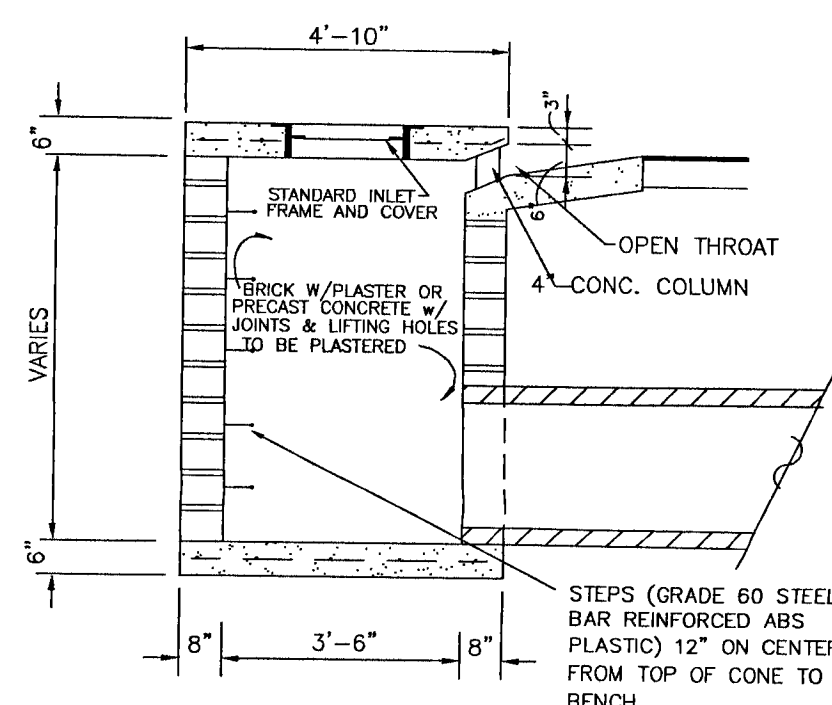
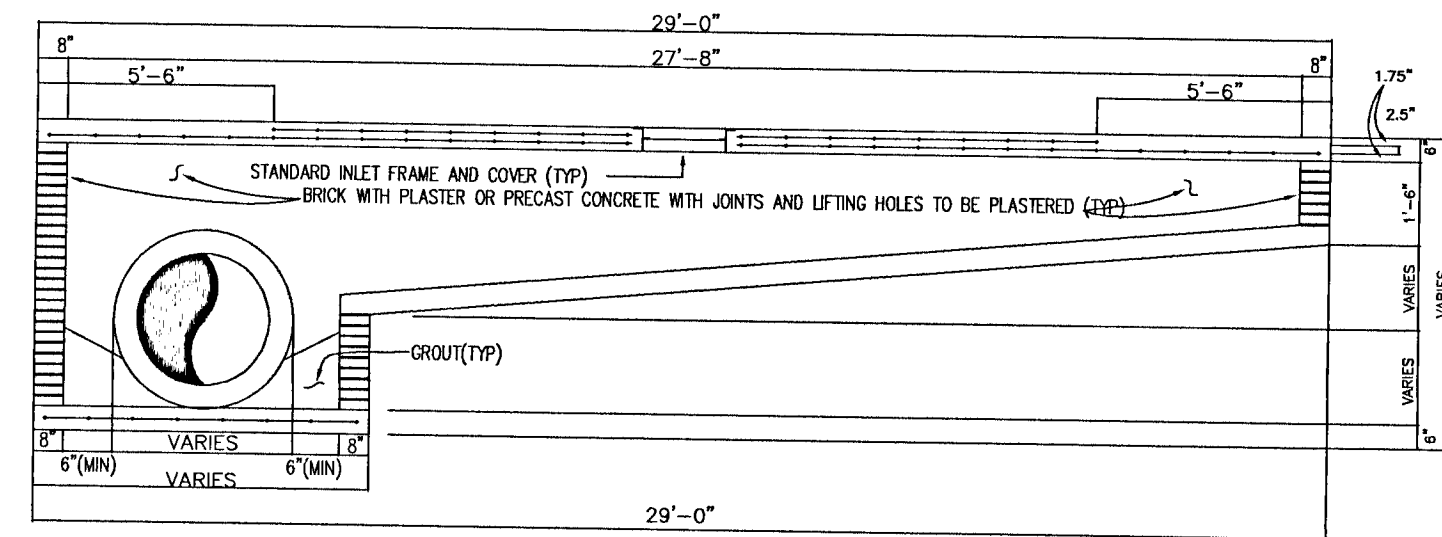
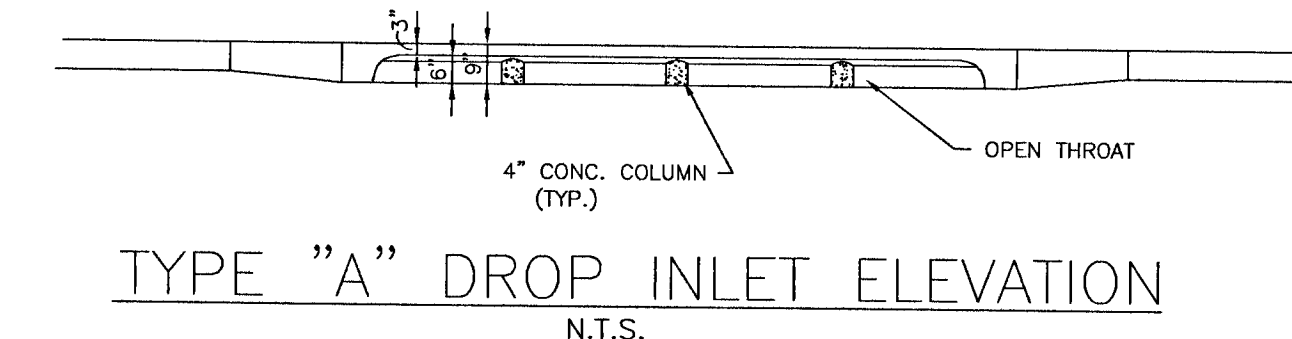
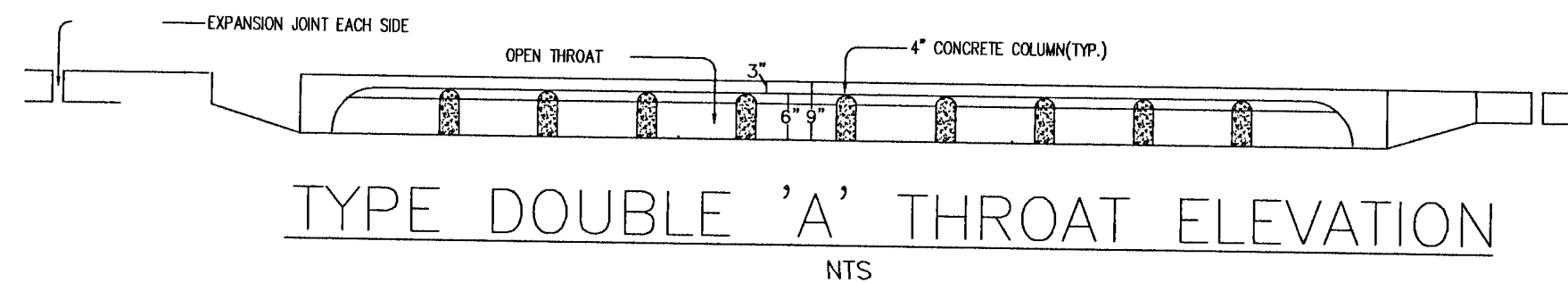
PROJECT NO: 20-086

SHEET: C 12



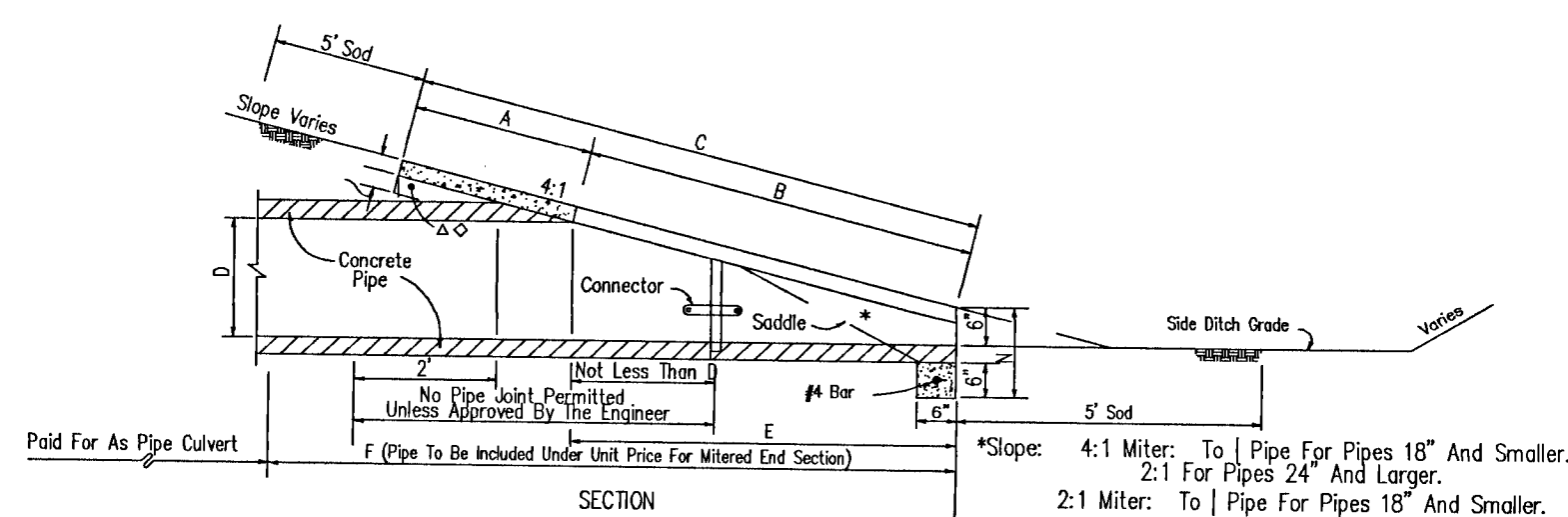
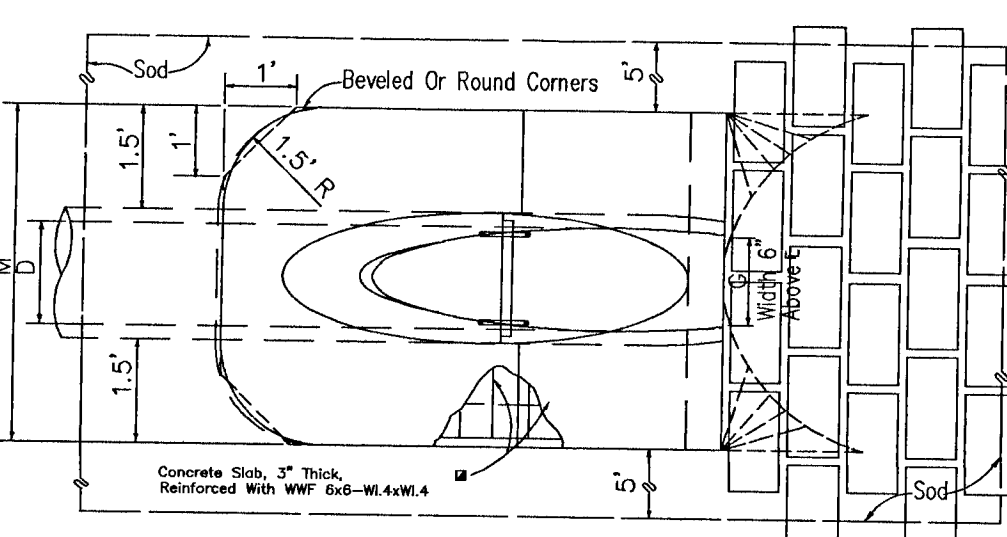
NOTE: MITERED END SECTIONS TO BE INSTALLED IN ACCORDANCE WITH LATEST FDOT DESIGN STANDARDS INDEX NO. 273 AT 1:4 SLOPE. PIPE LENGTH (F) TO BE RCP AND SHOULD BE INCLUDED UNDER THE UNIT PRICE FOR THE MITERED END SECTION. CONCRETE COLLAR TO BE INSTALLED FOR HDPE/RCP CONNECTIONS.

NOTE: ALL STORMWATER STRUCTURES DEEPER THAN 4' ARE TO HAVE STEPS 12" O.C. EXTENDING TO THE BOTTOM OF THE STRUCTURE.



SECTION B-B NTS

SECTION A-A NTS



DIMENSIONS AND QUANTITIES													
D	X	A	B	C	E	F	G	H	I	J	K	L	M
4:1 Slope	18"	2'-10"	2.36'	5.12'	7.48'	5.03'	9'	1.41'	4.92'	7.75'	10.58'	13.42'	1.21'
4:1 Slope	24"	3'-5"	2.53'	7.18'	9.71'	7.03'	11'	1.73'	5.50'	8.92'	12.33'	15.75'	1.25'
4:1 Slope	30"	4'-3"	2.70'	9.25'	11.95'	9.03'	13'	2.00'	6.08'	10.33'	14.58'	18.83'	1.29'

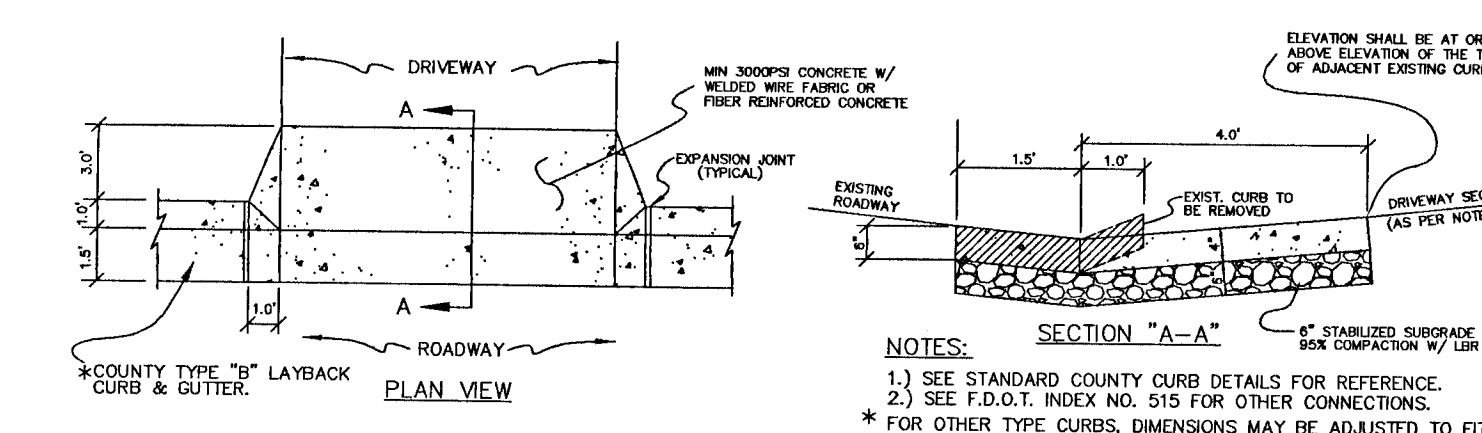
SINGLE ROUND CONCRETE PIPE
 B E
 6.42' 6.25'
 10.40' 10.10'
 Dimensions permitted to allow use of 12" standard pipe lengths.
 Dimensions permitted to allow use of 12" standard pipe lengths.
 Concrete slab shall be deepened to form bridge across crown of pipe. See section.

CROSS DRAIN MITERED END SECTION

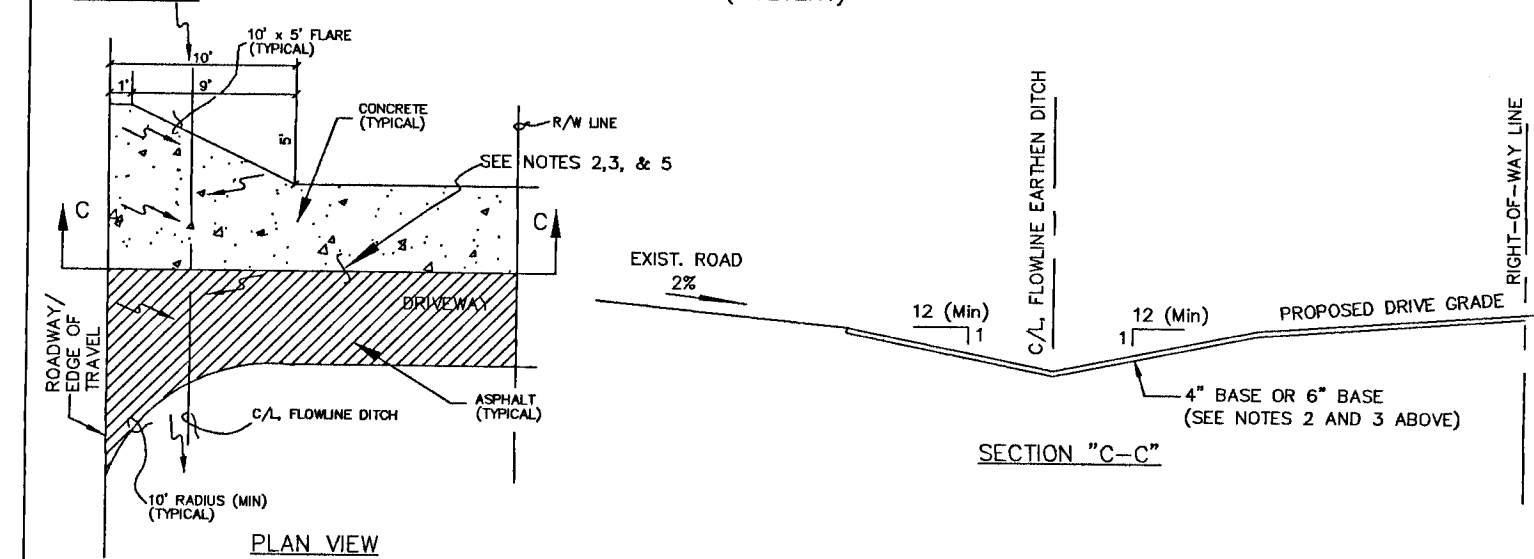
NOTE: MITERED END SECTIONS TO BE INSTALLED IN ACCORDANCE WITH LATEST FDOT DESIGN STANDARDS INDEX NO. 273 AT 1:4 SLOPE. PIPE LENGTH (F) TO BE RCP AND SHOULD BE INCLUDED UNDER THE UNIT PRICE FOR THE MITERED END SECTION. CONCRETE COLLAR TO BE INSTALLED FOR HDPE/RCP CONNECTIONS.

- TYPICAL DRIVEWAY CONNECTION STANDARDS FOR EXISTING ROADWAY CONDITIONS**
- NOTES:
- ALL MATERIALS AND LABOR FOR INSTALLATION WILL BE THE RESPONSIBILITY OF THE PROPERTY OWNER.
 - DRIVEWAYS ABUTTING PAVED ROADS SHALL BE 1-1/2" ASPHALT WITH 6" STABILIZED SUBGRADE OR 4" TO 6" CONCRETE WITH 4" STABILIZED SUBGRADE ~ 95% COMPACTION (MODIFIED PROCTOR) WITH LBR 40 BETWEEN EDGE OF ROADWAY AND R/W LINE.
 - DRIVEWAYS ABUTTING A DIRT ROAD SHALL BE MILLED ASPHALT, GRADED AGGREGATE BASE, OR WASHED CONCRETE (4" IN DEPTH) ON THE COUNTY MAINTAINED PORTION OF DRIVEWAY.
 - IF NECESSARY, REFER TO F.D.O.T. INDEX DETAILS AS REFERENCED BELOW.
 - RADIUS OR FLARE IS ACCEPTABLE FOR TYPE II OR TYPE III CONNECTIONS.
 - DRIVEWAYS WITHIN PROPERTY BOUNDARY SHALL PROVIDE A MINIMUM OF 2 PARKING SPACES.
 - TYPICAL DRIVEWAY SECTIONS ARE TO BE 12' WIDE MINIMUM.

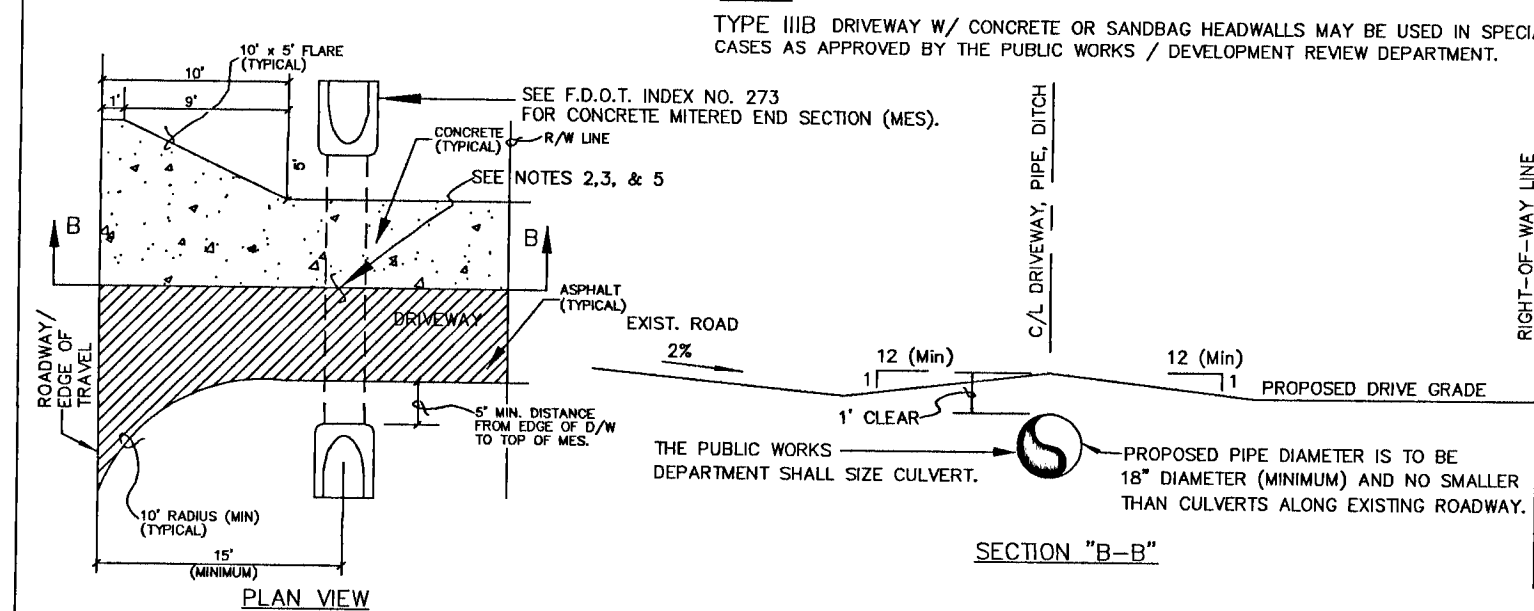
TYPE I CURB CUT DRIVEWAY FOR COUNTY TYPE "B" LAYBACK CURBS.



TYPE II DIPPED DRIVEWAY WITHOUT CROSS PIPE (CULVERT)



TYPE III-A CROSS PIPE (CULVERT) DRIVEWAY



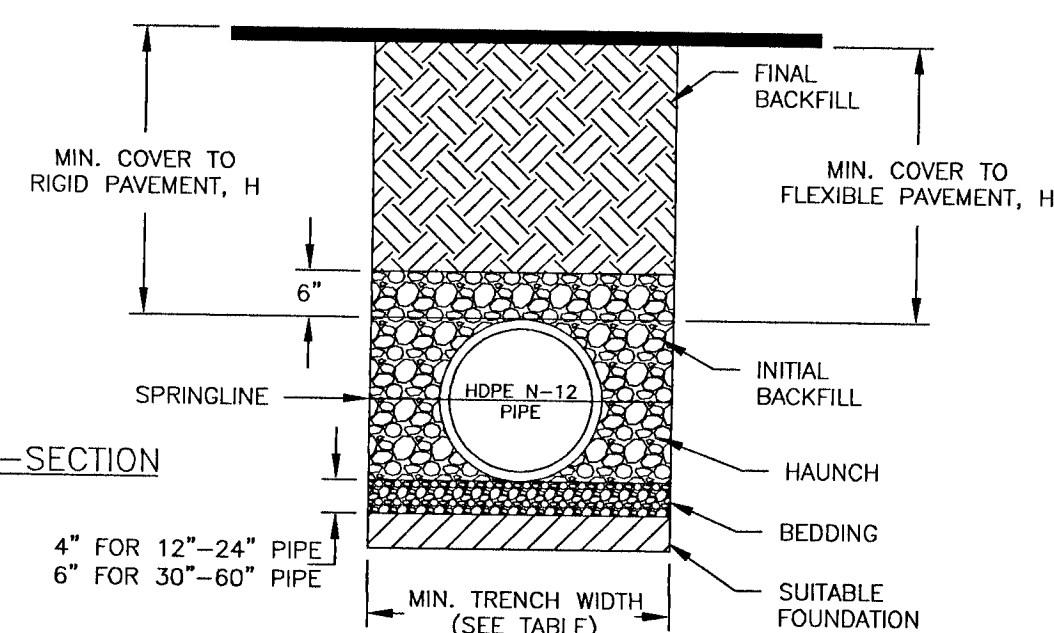
TYPE IV SPECIAL DRIVEWAY CONNECTION

TYPE IV-A REQUIRES A F.D.O.T. CONNECTION PERMIT (PROVIDE APPROVED F.D.O.T. PERMIT TO OBTAIN COUNTY APPROVAL). REFER TO INDEX NO. 515 AND CONTACT F.D.O.T. AT (850) 981-3000. MAY REQUIRE PLANS PREPARED BY A FLORIDA REGISTERED PROFESSIONAL ENGINEER (P.E.).

TYPE IV-B SPECIAL INNOVATIVE CONNECTION AS DESIGNED BY A FLORIDA REGISTERED PROFESSIONAL ENGINEER (P.E.) AND AS APPROVED BY THE APPROPRIATE PUBLIC WORKS / DEVELOPMENT REVIEW STAFF.

REVIEWED SEPT. 15, 2009

TYPICAL TRENCH CROSS-SECTION (N.T.S.)



NOTES:

- ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS", LATEST EDITION
- MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL, WHEN REQUIRED.
- FOUNDATION: WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER. AS AN ALTERNATIVE, AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.
- BEDDING: SUITABLE MATERIAL SHALL BE CLASS I, II OR III. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. UNLESS OTHERWISE NOTED BY THE ENGINEER, MINIMUM BEDDING THICKNESS SHALL BE 4" (100mm) FOR 4"-24" (100mm-600mm); 6" (150mm) FOR 30"-60" (750mm-900mm).
- INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE CLASS I, II OR III IN THE PIPE ZONE EXTENDING NOT LESS THAN 6' ABOVE CROWN OF PIPE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. MATERIAL SHALL BE INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.
- MINIMUM COVER: MINIMUM COVER, H, IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) IS 12" FROM THE TOP OF PIPE TO GROUND SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOATION. FOR TRAFFIC APPLICATIONS, MINIMUM COVER, H, IS 12" UP TO 48" DIAMETER PIPE AND 24" OF COVER FOR 54"-60" DIAMETER PIPE, MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT.

RECOMMENDED MINIMUM TRENCH WIDTHS

PIPE DIA.	MIN. TRENCH WIDTH
4"	21"
6"	23"
8"	26"
10"	28"
12"	30"
15"	34"
18"	39"
24"	48"
30"	56"
36"	64"
42"	72"
54"	88"
60"	96"

MINIMUM RECOMMENDED COVER BASED ON VEHICLE LOADING CONDITIONS

PIPE DIA.	H-25	HEAVY CONSTRUCTION (75T AXLE LOAD) **
12"-48"	12"	48"
54"-60"	24"	60"

* VEHICLES IN EXCESS OF 75T MAY REQUIRE ADDITIONAL COVER

MINIMUM RECOMMENDED COVER BASED ON RAILWAY LOADING CONDITIONS

PIPE DIA.	COOPER E-80**
UP TO 24"	24"
30"-36"	36"
42"-60"	48"

** COVER IS MEASURED FROM TOP OF PIPE TO BOTTOM OF RAILWAY TIE.
 *** E-80 COVER REQUIREMENTS, ARE ONLY APPLICABLE TO ASTM F 2306 PIPE.

HDPE PIPE-TYPICAL TRENCH INSTALLATION DETAIL

NOT TO SCALE

NO.	DATE	REVISIONS
1.	9/1/2021	AS PER ECUA REVIEW COMMENTS
2.	9/7/2021	AS PER ESCAMBIA COUNTY DRC REVIEW
3.	9/28/2021	REVISED PLANS IN AREA OF MONUMENTED OVERLAP ALONG SOUTH BOUNDARY
4.	10/07/2021	REVISED PLANS FOR NEW BOUNDARY SURVEY DATA WITH LEGAL DESCRIPTION
5.	10/25/2021	AS PER DRC STORMWATER SECONDARY REVIEW

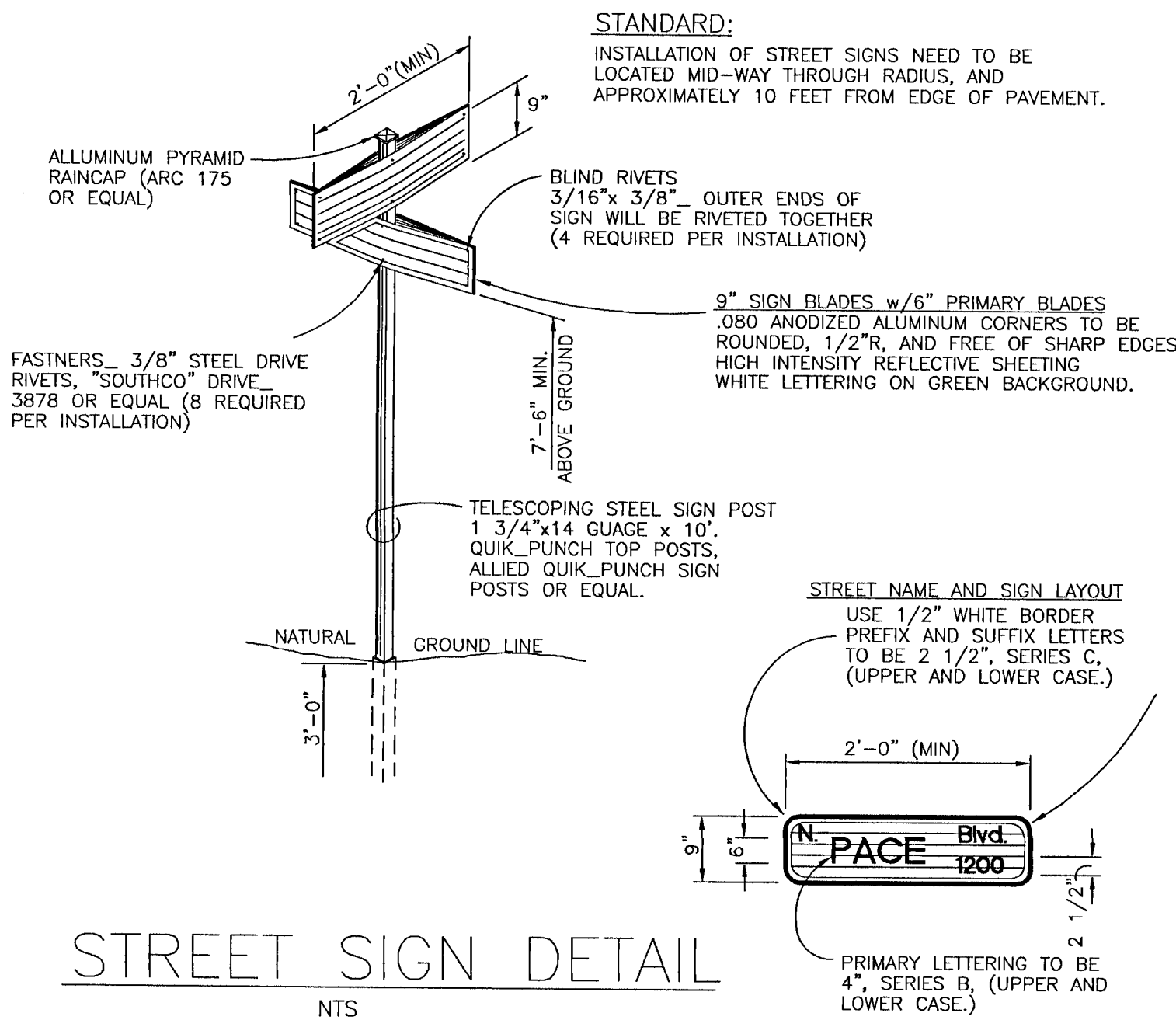
HAMMOND ENGINEERING, INC.
 FLORIDA AUTHORIZATION NO. 9130
 ALABAMA AUTHORIZATION NO. 3277
 3802 NORTH "S" STREET
 PENSACOLA, FLORIDA 32505
 B50 434-2603
 FAX 850-434-2650
 TOM@SELANDESIGN.COM

PROFESSIONAL ENGINEER
 NO. 5474
 STATE OF FLORIDA

CONSTRUCTION PLANS FOR
 MARY ANNETTA
 ESTATES
 STORMWATER DETAILS
 ESCAMBIA COUNTY FLORIDA

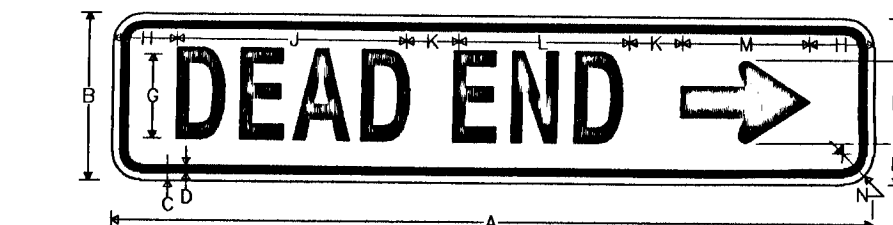
DRAWN BY: TGH/ARS
 DESIGNED BY: TGH/ARS
 CHECKED BY: TGH
 DATE: OCTOBER 2021
 SCALE: AS SHOWN
 NOT RELEASED FOR CONSTRUCTION
 BY: DATE:

PROJECT NO: 20-086
 SHEET: C13

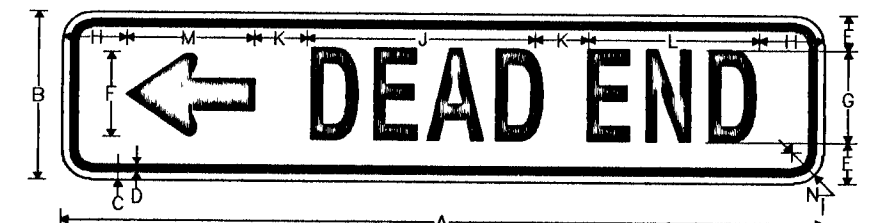


STREET SIGN DETAIL

NOTE: STREET SIGN AT INTERSECTION SAVANNAH MICHELLE LN AND EIGHT MILE CREEK RD TO HAVE CO-MOUNTED DEAD END (W14-1AL) SIGN.



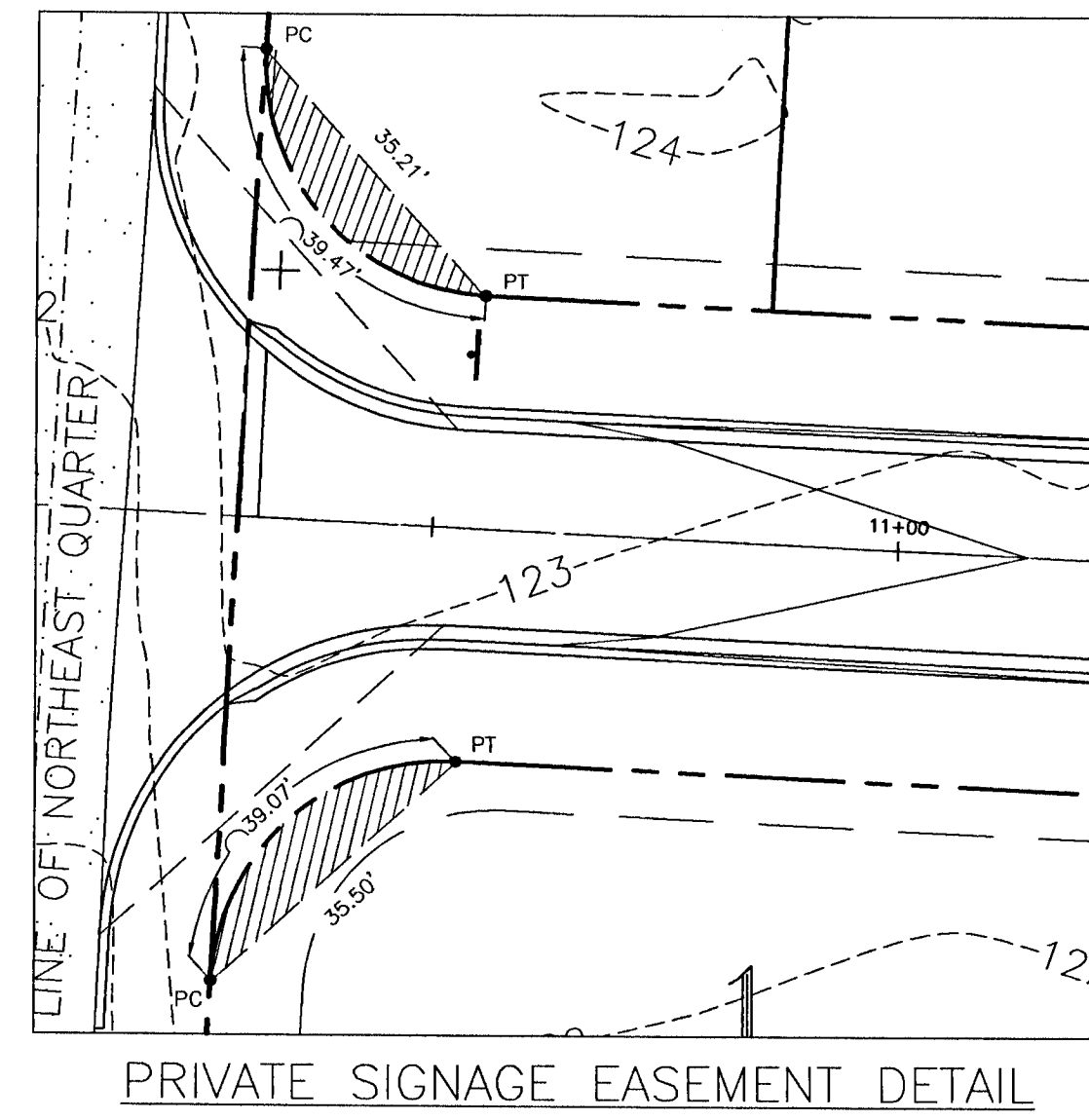
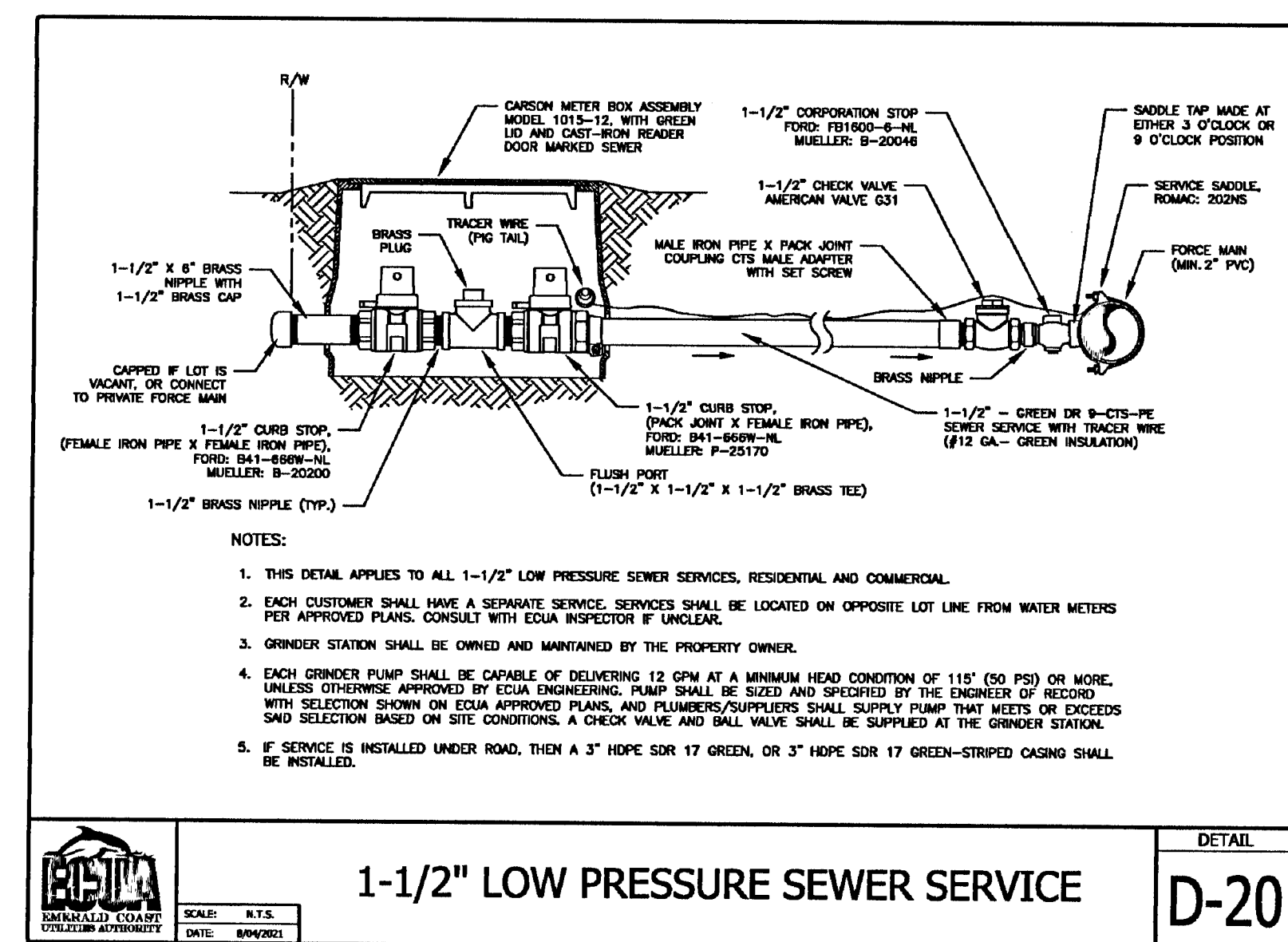
W14-1AL
DEAD END
(DIRECTIONAL)



W14-1AL
DEAD END
(DIRECTIONAL)

A	B	C	D	E	F	G	H	J	K	L	M	N
24	6	0.375	0.375	1.5	3	38	2.033	6.573	2	4.862	4.5	1.5
36	8	0.375	0.375	2	4	4C	3.057	9.804	2.5	8.083	6	1.5

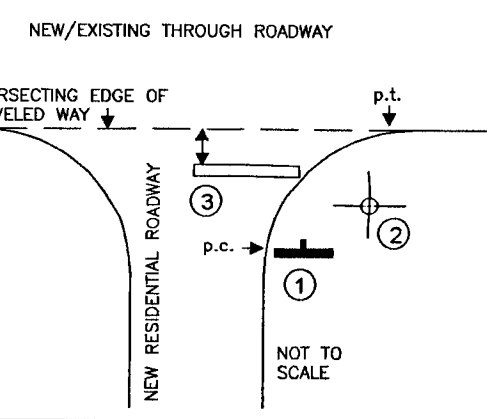
COLORS: LEGEND BORDER - BLACK
BACKGROUND - YELLOW (RETROREFLECTIVE)



- GENERAL NOTES**
- ALL SIGN INSTALLATIONS MUST COMPLY WITH THE LATEST MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.) SPECIFICATIONS.
 - ALL PAVEMENT MARKINGS MUST BE THERMOPLASTIC AND COMPLY WITH SECTION 711 OF F.D.O.T.'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
 - STOP BAR APPLICATION IS NOT REQUIRED AT THE INTERSECTION OF TWO RESIDENTIAL ROADWAYS AND/OR ROADWAYS LOCATED WITHIN INTERIORS OF A SUBDIVISION UNLESS SPECIFICALLY NOTED OTHERWISE.

1 STOP SIGN

SIGN PLACEMENT: LOCATE SIGN ADJACENT TO POINT OF CURVATURE (P.C.) OF CURBING OR EDGE OF ASPHALT TURN OUT. LATERAL CLEARANCE (W/CURB): NO PART OF SIGN ASSEMBLY SHALL BE LESS THAN 1 FOOT FROM BACK OF CURB (EXCLUDES RIBBON CURB). LATERAL CLEARANCE WITHOUT CURB: NO PART OF SIGN ASSEMBLY SHALL BE LESS THAN 6" FROM EDGE OF ASPHALT (INCLUDES RIBBON CURB). VERTICAL CLEARANCE: SIGN SHALL DISPLAY A MINIMUM VERTICAL CLEARANCE OF 7 FEET (MEASURED FROM BOTTOM OF SIGN BLADE TO LEVEL OF ADJACENT ROADWAY).

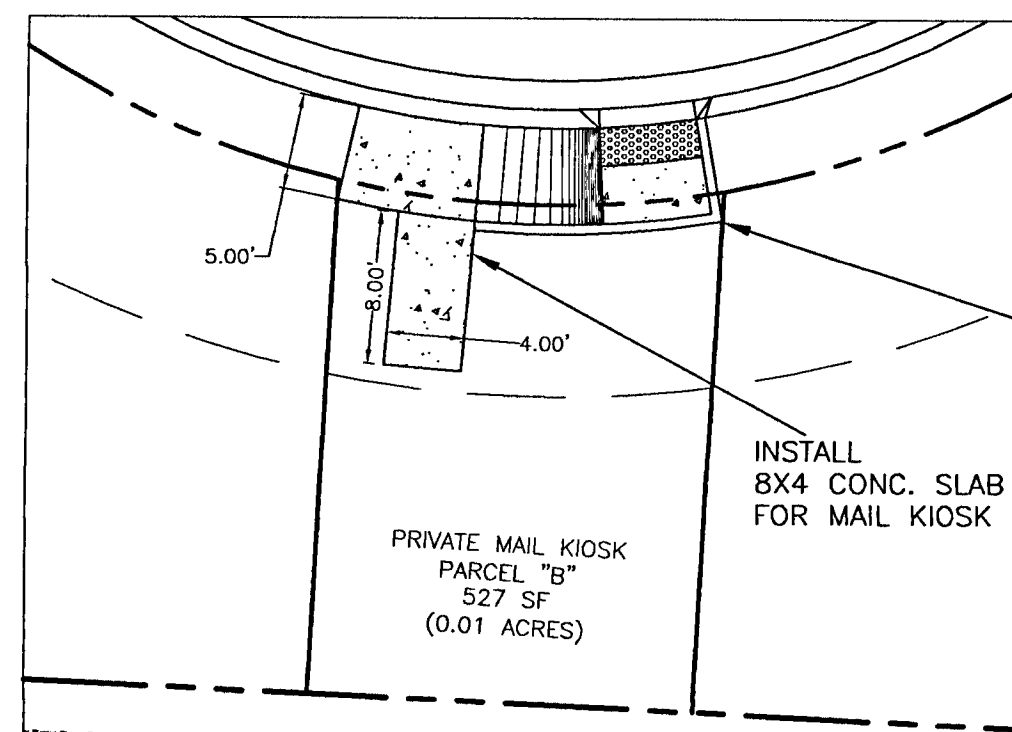


2 STREET NAME SIGN

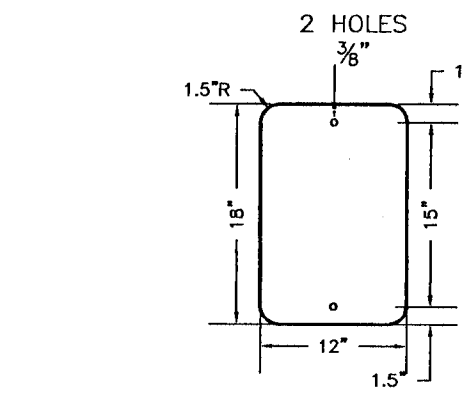
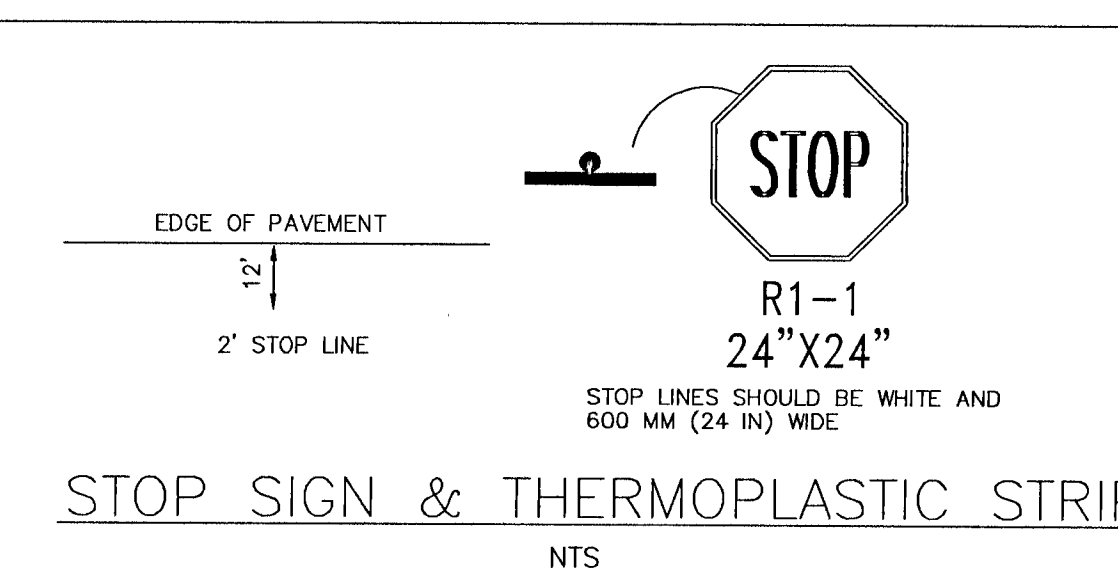
SIGN PLACEMENT: LOCATE STREET NAME SIGN AT MID-RADIUS POINT OF TURN OUT ON SAME SIDE OF STREET AS STOP SIGN. NOTE: SEE ESCAMBIA COUNTY STANDARD DETAILS FOR STREET NAME SIGNS FOR FURTHER FABRICATION, LOCATION AND INSTALLATION REQUIREMENTS.

3 24" STOP BAR
OPTIONAL (SEE GEN. NOTE #3).
ELACEMENT: LEADING EDGE OF STOP BAR CANNOT BE LESS THAN 4 FEET IN ADVANCE OF INTERSECTING EDGE OF TRAVELED WAY OR MARKED/UNMARKED CROSSWALK. STOP BAR MUST BE LOCATED AS TO PROVIDE ADEQUATE INTERSECTION SIGHT DISTANCE PER F.D.O.T.'S DESIGN STANDARDS INDEX #546.

INSTALLATION DETAILS
TRAFFIC CONTROL SIGNS & MARKINGS FOR NEW RESIDENTIAL INTERSECTIONS
ACCEPTABLE PER CURRENT ESCAMBIA COUNTY INSPECTION PRACTICES

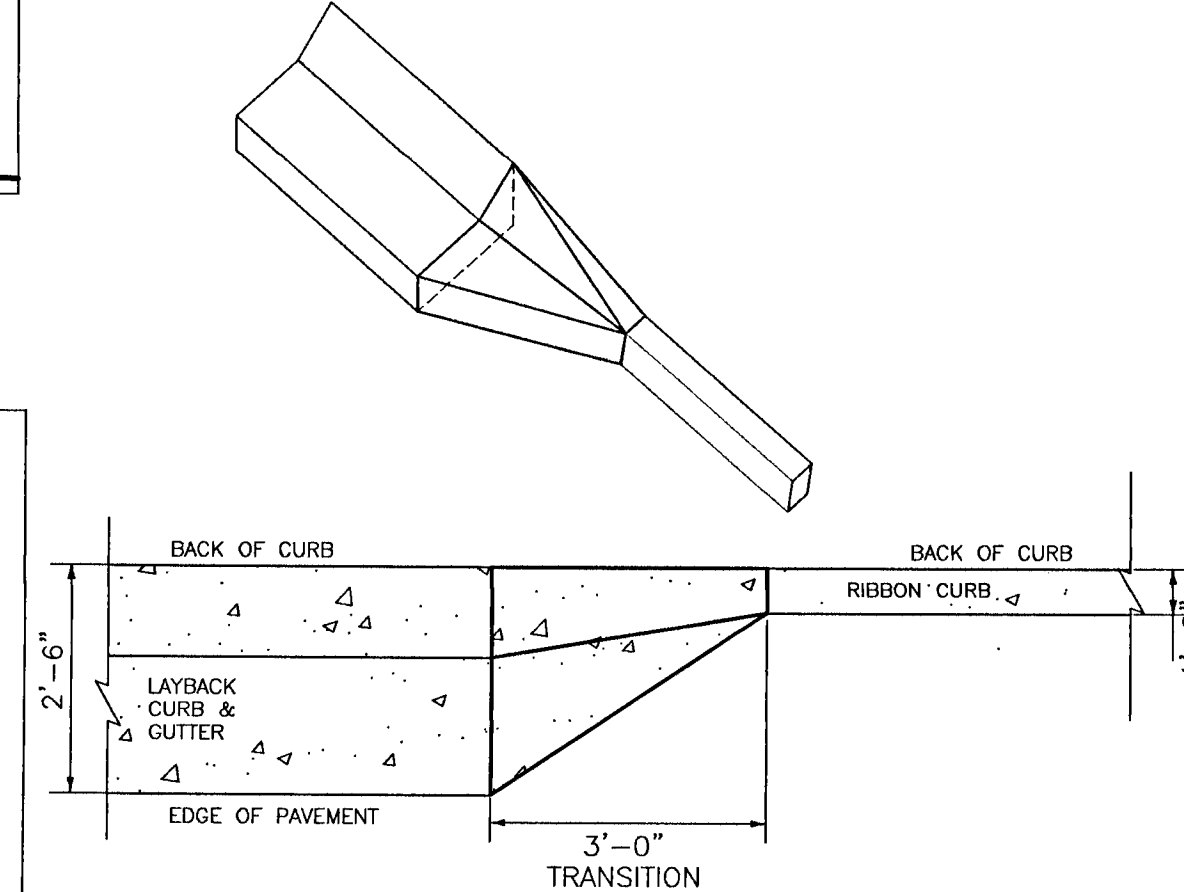


MAIL KIOSK DETAIL

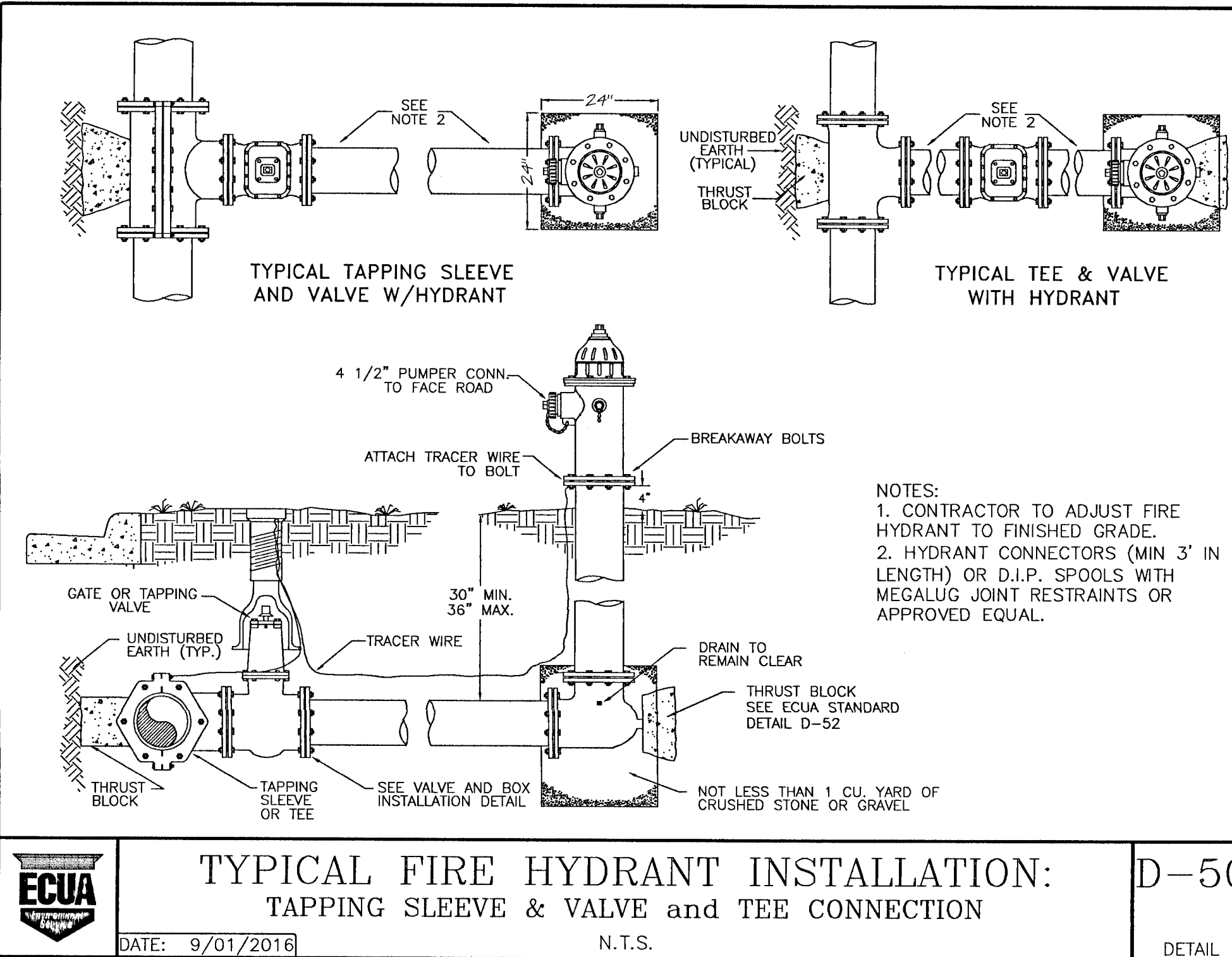


SPEED LIMIT SIGN DETAIL

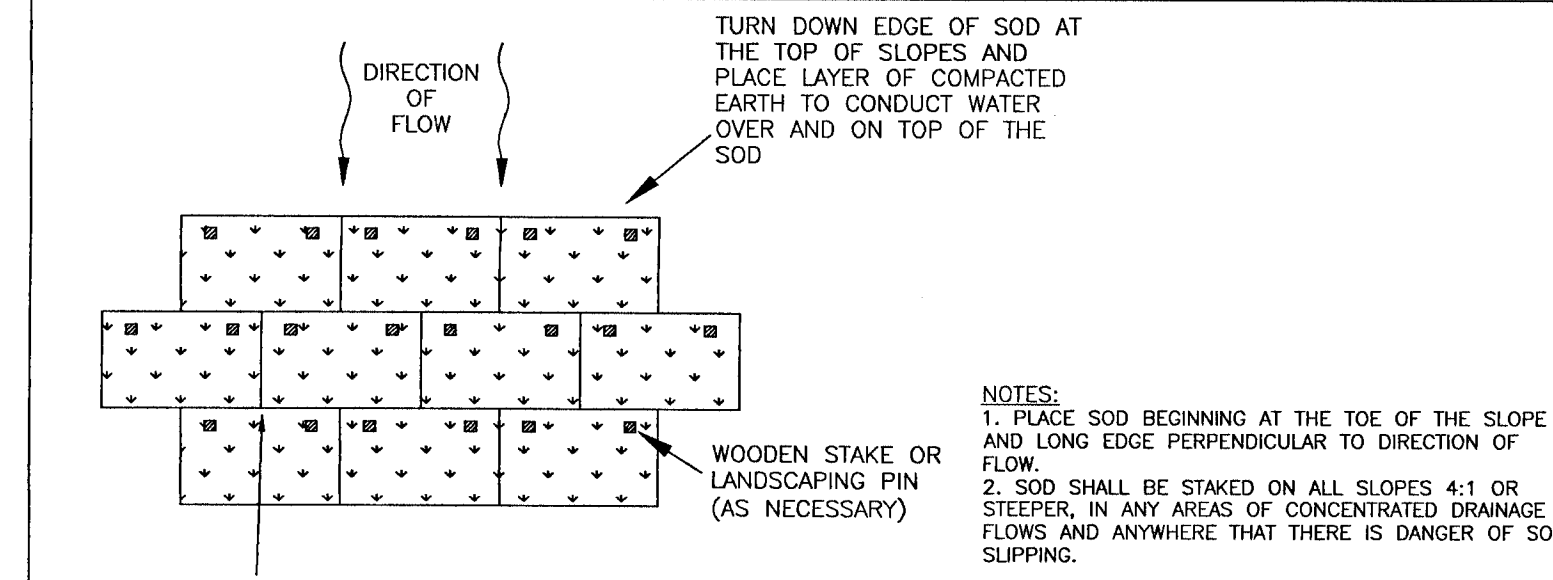
INSTALL 5' CONCRETE SIDEWALK WITH CURB RAMP AND DETECTABLE WARNING MAT



TRANSITION FROM LAYBACK CURB TO RIBBON CURB



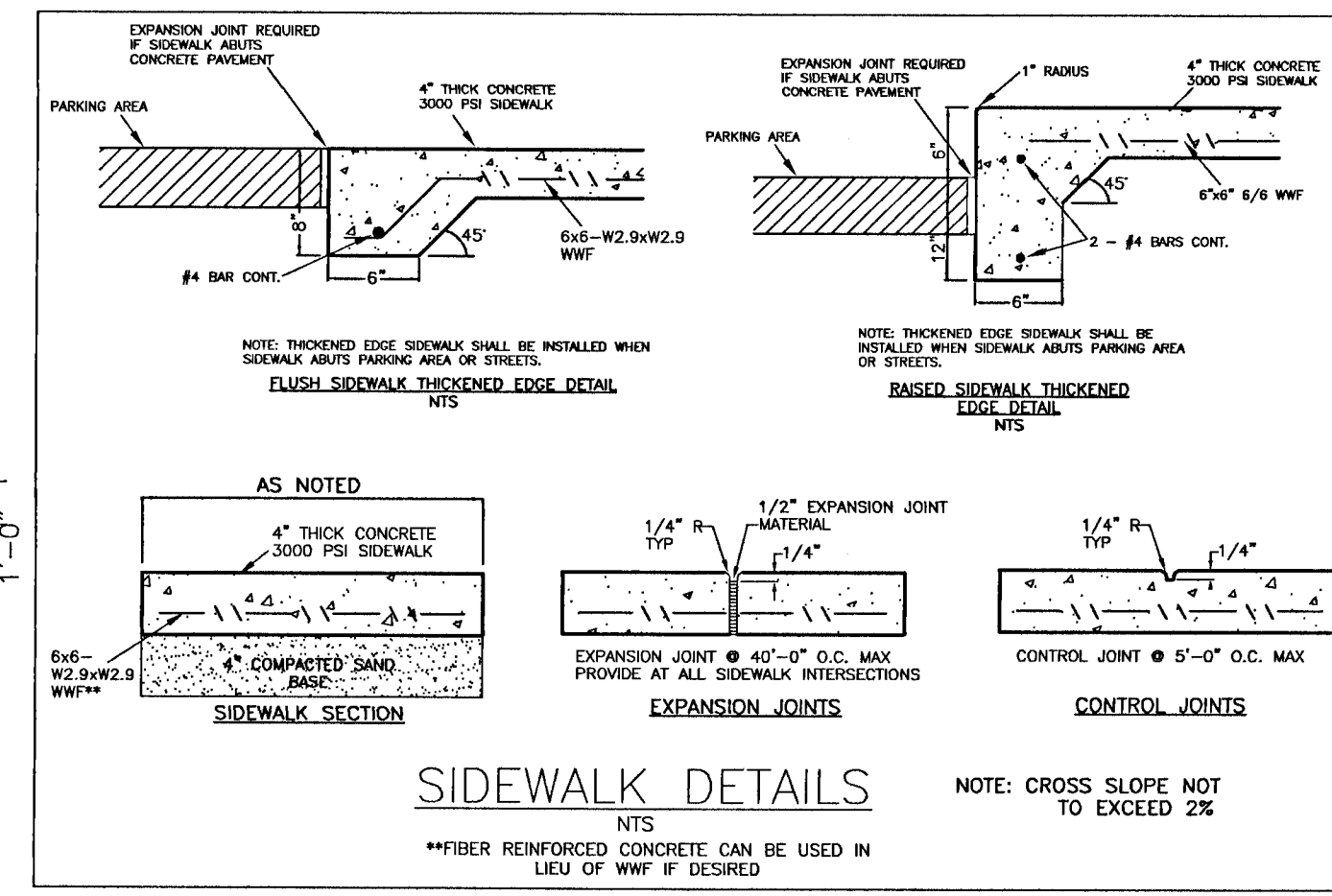
TYPICAL FIRE HYDRANT INSTALLATION: TAPPING SLEEVE & VALVE and TEE CONNECTION



SODDING DETAIL

NOTES:

- PLACE SOD BEGINNING AT THE TOE OF THE SLOPE AND LONG EDGE PERPENDICULAR TO DIRECTION OF FLOW.
- SOD SHALL BE STAKED ON ALL SLOPES 4:1 OR STEEPER, IN ANY AREAS OF CONCENTRATED DRAINAGE FLOWS AND ANYWHERE THAT THERE IS DANGER OF SOD SLIPPING.



SIDEWALK DETAILS

NOTE: CROSS SLOPE NOT TO EXCEED 2%

HAMMOND ENGINEERING, INC.
FLORIDA AUTHORIZATION NO. 9130
ALABAMA AUTHORIZATION NO. 3277
3802 NORTH "S" STREET
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FAX 850.434.2650
TOM@SELANDDESIGN.COM

CONSTRUCTION PLANS FOR MARY ANNETTA ESTATES CONSTRUCTION DETAILS

DESIGNED BY: TSH/ARS
CHECKED BY: TSH
DATE: OCTOBER 2021
SCALE: AS SHOWN
NOT RELEASED FOR CONSTRUCTION
BY: DATE:

PROJECT NO: 20-086
SHEET: C14