

CONSTRUCTION PLANS  
FOR  
FARM HILL UTILITIES  
WATER STORAGE TANK

DEVELOPMENT IN SECTION 36, TOWNSHIP 1 NORTH, RANGE 31 WEST,  
ESCAMBIA COUNTY, FLORIDA  
ZONED: LDR - FUTURE LAND USE: MU-S

3550 S HIGHWAY 97  
CANTONMENT, FL 32533

SITE DATA

PROPERTY OWNER:

MR. SHAUN CONDON  
FARM HILL UTILITIES  
120 MADRID RD  
CANTONMENT, FL 32533

SURVEYOR:

DEWBERRY  
203 ABERDEEN PKWY, PANAMA CITY, FL 32405  
JONATHAN GIBSON - FL NO.  
(850) 571-1183 JGIBSON@DEWBERRY.COM

ENGINEER:

DEWBERRY  
139 E. GOVERNMENT STREET  
PENSACOLA, FL 32502  
DAVID TILLAR, P.E. - FL NO. 86282  
(850) 760-0332 - DTILLAR@DEWBERRY.COM

GROSS PROJECT AREA: 1.94 ACRES  
WETLAND AREA: 0.18 ACRES  
BUFFER AREA: 0.13 ACRES  
GROSS DENSITY: N/A  
CURRENT ZONING: LDR  
CONTOUR INTERVAL: ONE-FOOT  
DATUM: NGVD  
STREET LENGTH: 160 L.F.  
TYPE OF STREETS: 12' GRAVEL ACCESS  
R/W WIDTH: N/A  
PAVEMENT WIDTH: N/A  
STORMWATER MAINTENANCE: FARM HILL UTILITIES  
MIN. LOT AREA: N/A  
MIN. LOT WIDTH AT RIGHT OF WAY: N/A  
MIN. LOT WIDTH AT RIGHT OF WAY: N/A  
MIN. DEPTH OF FRONT YARD: N/A  
MIN. DEPTH OF REAR YARD: N/A  
MIN. WIDTH OF EACH SIDE YARD: N/A  
MAX. BUILDING AREA AS % OF GROSS LOT AREA: N/A  
MAX. BUILDING HEIGHT (FEET): N/A  
MAX. BUILDING HEIGHT (STORIES): N/A

PROJECT DESCRIPTION:

THIS PROJECT CONSIST OF THE CONSTRUCTION OF A 500,000 GALLON GROUND STORAGE TANK, WATER BOOSTER PUMP STATION, MISCELLANEOUS APPURTENANCES. THE PROJECT IS LOCATED ON A NEWLY ACQUIRED PARCEL DIRECTLY ADJACENT TO AND NORTHWEST OF THE INTERSECTION OF HWY 297A AND HWY 97 SOUTH IN CANTONMENT, FLORIDA. THIS PROPERTY IS IDENTIFIED AS THE TOMPKIN PROPERTY. THIS TANK WILL ASSIST FHU IN PROVIDING NEEDED FIRE FLOW TO CUSTOMERS IN THE SOUTHERN ZONE OF THE FHU SYSTEM.

PLANS PREPARED BY:



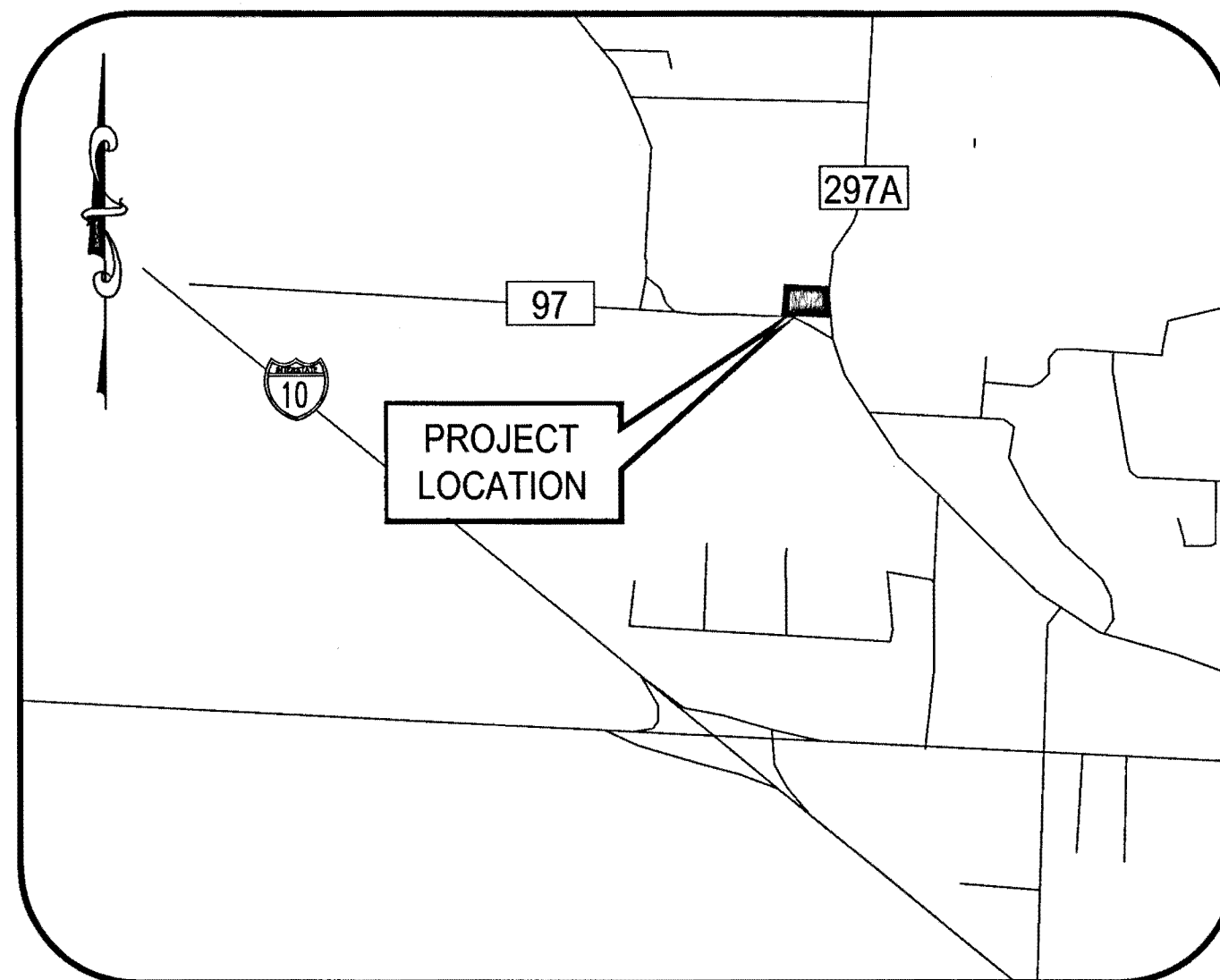
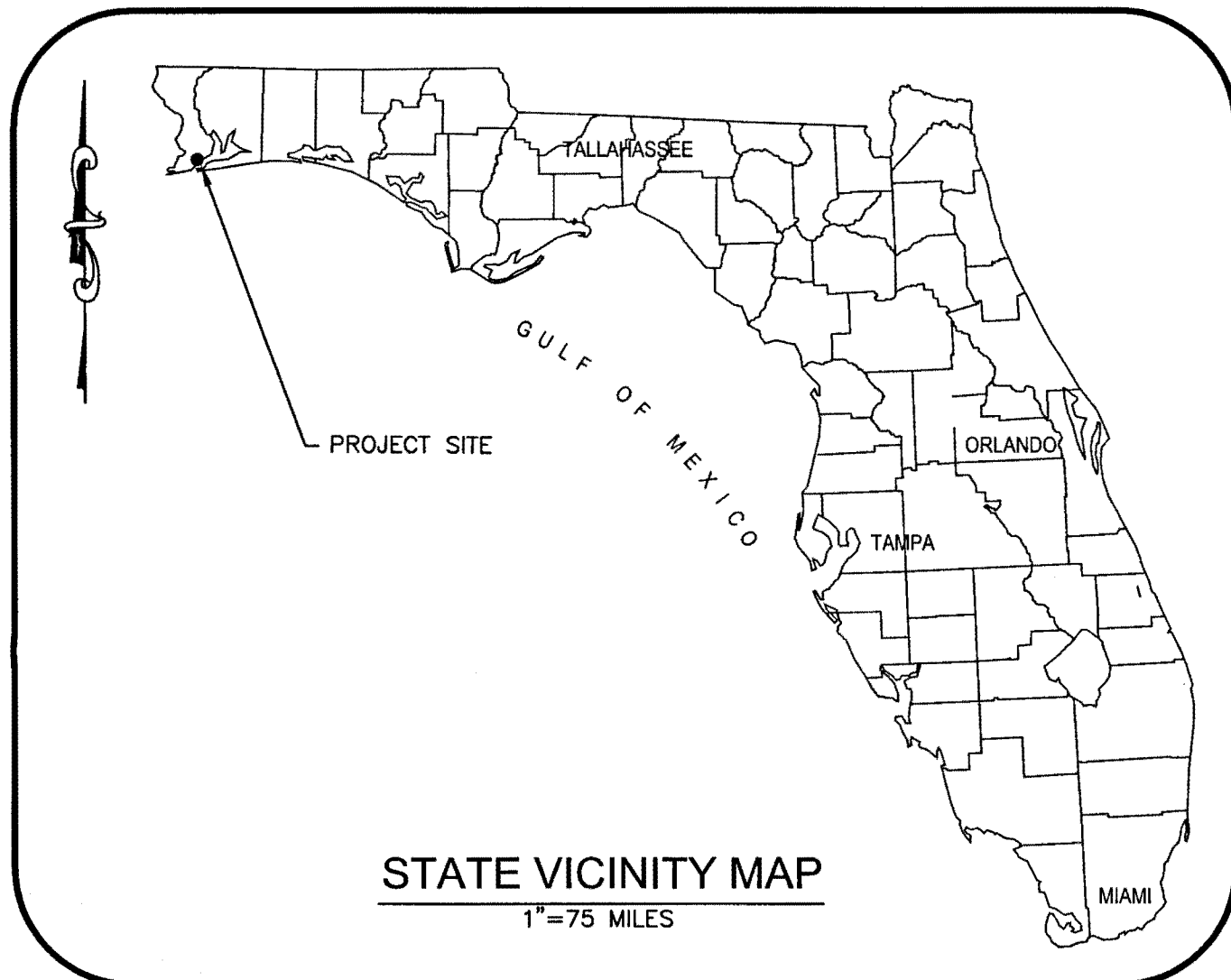
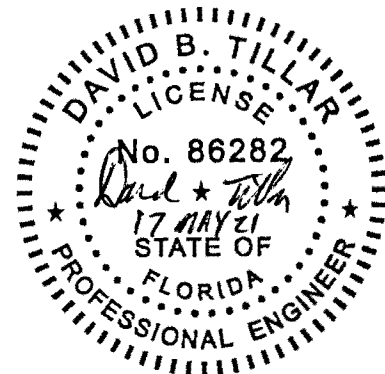
139 E GOVERNMENT STREET,  
PENSACOLA, FL 32502  
(850) 760-0332

DEWBERRY PROJECT NUMBER - 50126846

NOTE: THE SCALE OF THESE PLANS MAY HAVE CHANGED  
DUE TO REPRODUCTION.

ENGINEER'S STATEMENT

ALL PROPOSED ROADWAYS, DRAINAGE, AND OTHER IMPROVEMENTS WILL BE DESIGNED TO COMPLY WILL ALL APPLICABLE FEDERAL, STATE, AND LOCAL DEVELOPMENT REQUIREMENTS SUCH AS :  
THE FLORIDA GREEN BOOK  
THE FLORIDA DEPARTMENT OF TRANSPORTATION DESIGN MANUAL (FDM)  
ESCAMBIA COUNTY TECHNICAL SPECIFICATIONS  
THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)  
THE AMERICANS WITH DISABILITIES ACT (ADA)  
ESCAMBIA COUNTY'S LAND DEVELOPMENT CODE AND DESIGN STANDARDS MANUAL



LOCATION MAP

1"=2000'

PRELIMINARY DOCUMENTS - NOT FOR CONSTRUCTION  
NOVEMBER 2020

Approved ESCAMBIA COUNTY DRC PLAN REVIEW	
DRC Chairman Signature	<i>[Signature]</i> 5/26/21
Printed Name:	Benjamin Hampton
Development Services Director or Business	
This document has been reviewed in accordance with the 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. A Development Order (DO) must be obtained through the Development Review Process prior to the commencement of construction. This DO approval does not constitute approval by any other agency. All additional state/federal permits shall be provided to the county prior to approval of a final plat or the issuance of state/federal permits shall be provided to the county prior to approval of a final plat or the issuance of a building permit.	

REV. NO.	REV. DATE	REVISION DESCRIPTION	RELEASED TO	RELEASE DATE
1	27 APR 21	COUNTY COMMENT	27 APR 21	
2				
3				
4				
5				

INDEX OF PLANS

SHEET NO.

GC-101  
GC-102  
CD-100  
CD-101  
CS-101  
CU-101  
CG-101  
CG-102  
CH-101  
CH-102  
CH-103  
CE-101  
CE-102  
CE-103  
CE-104  
CE-105  
CE-106  
CE-107  
CE-108  
CE-109  
CE-110  
CE-501  
CI-101  
CI-102  
CT-101  
CT-102  
CT-103  
CT-104  
CT-105  
CT-106  
CT-501  
CU-501  
CU-502  
CU-503

SHEET DESCRIPTION

TITLE SHEET  
GENERAL NOTES  
GENERAL NOTES  
EXISTING CONDITIONS  
DEMOLITION, EROSION & SEDIMENT CONTROL PLAN  
SITE PLAN  
UTILITY PLAN  
GRADING AND DRAINAGE PLAN  
STORMWATER DETAIL SHEET  
PUMP STATION MECHANICAL HVAC PLAN & SCHEDULES  
PUMP STATION MECHANICAL HVAC DETAILS & SPECIFICATIONS  
HVAC DETAILS, CONTROLS, AND SCHEDULES  
ELECTRICAL GENERAL NOTES, LEGEND & ABBREVIATIONS  
ELECTRICAL SITE PLAN  
ELECTRICAL PUMP STATION - POWER PLAN  
ELECTRICAL PUMP STATION - LIGHTING PLAN  
ELECTRICAL SINGLE LINE DIAGRAM & RISER DIAGRAMS  
ELECTRICAL PANEL SCHEDULES & CONTROL ONE-LINE DIAGRAM  
ELECTRICAL SCHEMATICS  
ELECTRICAL CONDUIT & WIRE SCHEDULES  
ELECTRICAL STANDARD DETAILS 1  
ELECTRICAL STANDARD DETAILS 2  
ELECTRICAL DETAILS  
GENERAL NOTES & LEGEND  
PROCESS & INSTRUMENTATION DIAGRAM  
STRUCTURAL NOTES  
STRUCTURAL FOUNDATION PLAN  
WALL SECTIONS  
TANK DETAILS  
TANK DETAILS  
TANK DETAILS  
STRUCTURAL DETAILS  
CIVIL DETAILS  
CIVIL DETAILS  
CIVIL DETAILS



April 28, 2021 (11:18:04 EST)  
010128846 FARM HILL UTILITIES ELEVATED TANK/CACT 12-2021 FARM HILL UTILITIES - STANDARD/PRODUCTION/GC-101 - NOTES DWG. GC - 101 GENERAL NOTES BY: GEORWARDS

E

D

C

B

A

GENERAL NOTES:

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ESCAMBIA COUNTY'S LAND DEVELOPMENT CODE AND DESIGN STANDARDS MANUAL.
- NO CONSTRUCTION ACTIVITIES MAY COMMENCE PRIOR TO SUBMISSION OF APPROVED COPIES OF ALL REQUIRED LOCAL, STATE AND FEDERAL PERMITS TO THE ESCAMBIA COUNTY ENGINEERING OFFICE.
- THE CONTRACTORS SHALL NOTIFY THE COUNTY DESIGN ENGINEER OR DESIGNEE 48 HOURS PRIOR TO CONSTRUCTION.
- ALL CONDITIONS AND STIPULATIONS OF THE CONSTRUCTION PERMITS AND THE APPROVALS ISSUED BY THE COUNTY ENGINEER SHALL BE COMPLIED WITH IN EVERY DETAIL.
- ALL ROADS DAMAGED BY CONSTRUCTION OPERATIONS ARE TO BE PATCHED OR RECONSTRUCTED AS DIRECTED BY THE COUNTY ENGINEER OR DESIGNEE.
- THE CONTRACTOR SHALL TAKE STEPS NECESSARY TO PREVENT EROSION AND ANY OFF SITE SEDIMENT TRANSPORT RESULTING FROM INCREASED RUNOFF DURING CONSTRUCTION BY PROVIDING SILT FENCE AND/OR STAKED HAY BALES AS REQUIRED BY FDOT SPECIFICATION 104. THE FLORIDA STORM WATER, EROSION, AND SEDIMENT CONTROL INSPECTOR'S MANUAL, LATEST EDITION, OR AS INDICATED ON THE PLANS, ALL EROSION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL ASSOCIATED DISTURBED AREAS ARE STABILIZED AS TO REDUCE SEDIMENT RUNOFF, UNLESS OTHERWISE DIRECTED BY THE ENGINEER OR DESIGNEE.
- ANY NECESSARY PERMITS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- THE CONTRACTOR IS ENCOURAGED TO VISIT THE SITE AND FAMILIARIZE HIMSELF WITH THE PROJECT PRIOR TO BIDDING AND/OR CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER A MINIMUM OF 7 DAYS PRIOR TO BID DATE OF ANY CONCERNS.
- IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PRESERVE OR RELOCATE ALL BENCHMARKS (VERTICAL CONTROL) AS NEEDED DURING CONSTRUCTION. ALL PUBLIC OR PRIVATE CORNER MONUMENTATION SHALL BE PROTECTED. IF A PUBLIC OR PRIVATE CORNER MONUMENTATION IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR DESIGNEE IMMEDIATELY. ANY SANTA ROSA COUNTY HARN/GPS NETWORK MONUMENTS OR BUREAU OF SURVEY AND MAPPING GPS NETWORK MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED. IF ANY HARN/GPS NETWORK MONUMENTS OR BUREAU OF SURVEY AND MAPPING GPS NETWORK MONUMENTS ARE DISTURBED OR DESTROYED THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACEMENT OF THE MONUMENTS AND HAVE THE MONUMENTS POSITION DETERMINED BY A FLORIDA LICENSED PROFESSIONAL SURVEYOR AND MAPPER USING GUIDELINES AS ESTABLISHED BY NATIONAL GEODETIC SURVEY FOR BLUE BOOKING AND APPROVAL.
- EXISTING DRAINAGE FEATURES WITHIN CONSTRUCTION LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED.
- EXISTING STREETS AND DRIVES SHALL BE MAINTAINED TO LOCAL TRAFFIC AND PROPERTY OWNERS.
- ALL ROADWAY CONSTRUCTION SHALL COMPLY WITH THE ESCAMBIA COUNTY REQUIREMENTS.
- ANY REFERENCE TO FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION, DIVISION 1, GENERAL REQUIREMENTS AND COVENANTS, SHALL BE EXCLUDED AND NOT APPLICABLE TO ANY SPECIFICATION REFERRED HEREIN OR OTHERWISE LISTED IN THESE PLANS OR RELATED DOCUMENTS OR THE ESCAMBIA COUNTY TECHNICAL SPECIFICATIONS.
- CONTRACTOR SHALL COMPLY WITH ALL F.D.E.P. REQUIREMENTS.
- IN THE EVENT THAT SURVEY MONUMENTATION OR REFERENCE POINTS ARE MISSING OR HAVE BEEN DESTROYED, PLEASE CONTACT:  
  
JOE BARRETT P.S.M.  
ESCAMBIA COUNTY SURVEYOR  
3363 WEST PARK PL.  
PENSACOLA, FL 32505 PH (850) 595-3427
- GRADED AGGREGATE BASE SHALL BE REQUIRED WHERE THE SEASONAL HIGH GROUND WATER ENCROACHES WITHIN TWO (2) FEET OF THE BOTTOM OF SUBGRADE.
- ALL COMPACTED FILL SHALL BE PLACED IN FOUR INCH (4") LIFTS FOR HAND POWERED TAMPERS AND SIX INCH (6") LIFTS FOR HEAVY EQUIPMENT OPERATED TAMPERS.
- TEMPORARY BENCHMARKS HAVE BEEN ESTABLISHED ON THIS PROPERTY WHICH SHOULD BE USED BY THE CONTRACTOR DURING CONSTRUCTION. DESCRIPTIONS OF THE BENCHMARKS CAN BE FOUND IN THESE PLANS.
- CLEARING AND GRUBBING SHALL BE LIMITED TO THE AREA OF PROPOSED IMPROVEMENTS AS SHOWN ON THE APPROVED PLANS. ALL TREE REMOVAL AND LAND DISTURBANCE ACTIVITIES, INCLUDING THOSE LISTED UNDER THIS NOTE, SHALL ONLY OCCUR ONCE THE DRC APPROVAL IS GRANTED. ANY ADDITIONAL CLEARING AND GRUBBING MAY BE BY THE OWNER AND ESCAMBIA COUNTY PRIOR TO COMMENCEMENT OF CLEARING ACTIVITIES.
- ALL UNDERGROUND UTILITIES AND DRAINAGE STRUCTURES SHALL BE INSTALLED PRIOR TO CURB AND BASE CONSTRUCTION.
- THE CONTRACTOR SHALL COORDINATE ALL REQUIRED TESTING WITH THE SOILS ENGINEER. PAYMENT FOR TESTING WILL BE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. ALL MATERIALS, TESTING AND CONSTRUCTION METHODS SHALL CONFORM TO THE ESCAMBIA COUNTY REQUIREMENTS.
- THE CONTRACTOR SHALL ADJUST ALL VALVE BOX AND MANHOLE CASTINGS TO MATCH FINAL SURFACE ELEVATIONS.
- ALL UTILITY WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF FARM HILL UTILITY SPECIFICATIONS.
- ALL WORK WITHIN THE RIGHT-OF-WAY OR FOR OWNERSHIP BY FARM HILL SHALL BE PERFORMED BY A CERTIFIED UNDERGROUND UTILITY CONTRACTOR.
- CONTRACTOR SHALL FOLLOW ALL OSHA REQUIREMENTS FOR CONSTRUCTION.

LAYOUT NOTES:

- THE ELEVATIONS AS SHOWN HEREON ARE REFERENCED TO NORTH AMERICAN DATUM (NAD83) AND NORTH AMERICAN VERTICAL DATUM (NAVOD88).
- IT IS THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE EXACT LOCATION OF EXISTING UTILITIES AND TO DETERMINE IF OTHER UTILITIES WILL BE ENCOUNTERED DURING THE COURSE OF THE WORK AND TAKE ALL NECESSARY STEPS TO PROVIDE FOR UTILITY PROTECTION.
- REFERENCE BENCHMARKS EXISTS ON THIS PROPERTY LOCATED IN POWER POLES AS SHOWN HEREON.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FINAL LAYOUT AND ALIGNMENT OF ALL BUILDINGS, DRIVEWAYS, PARKING AREAS, ROADS AND OTHER FACILITIES. CONTRACTOR SHALL CONTACT THE ENGINEER IMMEDIATELY UPON ANY APPARENT CONFLICTS, AND PRIOR TO CONSTRUCTING SAID IMPROVEMENTS.
- CONTRACTOR SHALL CONTACT THE ENGINEER IMMEDIATELY REGARDING ANY APPARENT CONFLICTS IN THE PROPOSED IMPROVEMENTS ENCOUNTERED DURING THE COURSE OF CONSTRUCTION.

TRAFFIC NOTES:

- UNLESS OTHERWISE SPECIFIED, ALL WORKMANSHIP AND MATERIALS SHALL CONFORM TO FDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", LATEST EDITION.
- ACCESS TO EXISTING STREETS AND DRIVES SHALL BE MAINTAINED AS MUCH AS IS POSSIBLE. ALL REQUIRED CLOSURES SHALL BE APPROVED BY ESCAMBIA COUNTY/FDOT/PROPERTY OWNER PRIOR TO CLOSURE.
- THE LIMITS OF CONSTRUCTION SHOWN ON THE PLANS SHALL BE STRICTLY OBSERVED. ALL INGRESS, EGRESS, MATERIALS LAY-DOWN AND STORAGE AND TRAFFIC PATTERNS ON THE SITE SHALL BE WITHIN THE LIMITS OF CONSTRUCTION.
- ALL SIGN LETTERING AND RETRO-REFLECTIVITY D TO CONFORM WITH M.U.T.C.D., LATEST EDITION.
- TRAFFIC CONTROL AND STRIPING SHALL BE IN CONFORMANCE WITH MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
- MAINTENANCE OF TRAFFIC SHALL BE IN ACCORDANCE WITH FDOT STANDARD PLANS, LATEST EDITION, INDEX NOS. 102-600 THRU 102-618. ADDITIONAL PLANS AVAILABLE FOR SPECIFIC SITE CONDITIONS.
- EXISTING STREET AND ROAD NAME SIGNS ON THE PROJECT SHALL BE KEPT VISIBLE AT ALL TIMES FOR THE FACILITATION OF ACCESS BY EMERGENCY VEHICLES. ALL OTHER EXISTING SIGNS THAT CONFLICT WITH CONSTRUCTION OPERATIONS SHALL BE TAKEN DOWN AND STOCKPILED WITHIN THE R/W LIMITS BY THE CONTRACTOR AS DIRECTED BY THE COUNTY ENGINEER OR DESIGNEE. ANY EXISTING SIGNS THAT ARE TO BE RELOCATED AND ARE DAMAGED BEYOND USE BY THE CONTRACTOR SHALL BE REPLACED BY THE CONTRACTOR AT HIS/HER EXPENSE.
- THE CONTRACTOR SHALL, AT A MINIMUM, MATCH EXISTING SIGNING AND PAVEMENT MARKINGS. ALL SIGNING AND PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH THE LATEST FDOT DESIGN STANDARDS. THE CONTRACTOR SHALL CONTACT THE COUNTY ENGINEERING INSPECTOR PRIOR TO INSTALLATION OF ANY SIGNING AND PAVEMENT MARKINGS.

STORM WATER SYSTEM

- ALL STORM DRAINAGE PIPE SHALL BE REINFORCE CONCRETE, CLASS 3, IN ACCORDANCE WITH FDOT SPECIFICATIONS, SECITON 449, UNLESS OTHERWISE NOTED.
- ALL STORM DRAINAGE INLETS, JUNCTION BOXES, GRATES/COVERS SHALL BE IN ACCORDANCE WITH FDOT SPECIFICATIONS, SECTION 450.
- ALL GRATES AND COVERS SHALL BE HS-20 TRAFFIC RATED, UNLESS NOTED OTHERWISE.
- PIPE LENGTHS SHOWN IN THE PLANS DO NOT INCLUDE THE LENGTH OF PIPE THAT MUST BE INSTALLED WITH THE MITERED END SECTION. THEREFORE, ALL PIPE LENGTHS ASSOCIATED WITH MITERED END SECTIONS SHALL BE PAID FOR IN THE UNIT COST OF THE MITERED END SECTION.
- PIPE LENGTHS ARE SHOWN FROM CENTER TO CENTER OF STORM DRAINAGE STRUCTURES.
- ALL LAYOUT COORDINATES ARE PROVIDED TO THE CENTER OF STRUCTURE.

UTILITY NOTES:

- THE LOCATION SHOWN FOR EXISTING UNDERGROUND UTILITIES IS APPROXIMATE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK IN EACH AREA. THE CONTRACTOR AGREES TO BE COMPLETELY RESPONSIBLE FOR ALL DAMAGES WHICH MIGHT OCCUR BY HIS/HER FAILURE TO EXACTLY LOCATE AND PRESERVE ALL UTILITIES.
- UTILITY OWNERS SHALL BE NOTIFIED AT LEAST 48 HOURS PRIOR TO ANY CONSTRUCTION SO THAT THE UTILITY OWNER CAN SPOT VERIFY AND/OR EXPOSE THEIR UTILITIES.
- CONTRACTOR IS TO USE CAUTION WHEN WORKING IN OR AROUND AREAS OF OVERHEAD TRANSMISSION LINES AND UNDERGROUND UTILITIES.
- UTILITIES ARE TO REMAIN AND BE PROTECTED DURING CONSTRUCTION. NECESSARY REPAIRS SHALL BE CONSIDERED INCIDENTAL TO OTHER PAY ITEMS AND SHALL BE TO THE SATISFACTION OF THE UTILITY OWNERS.
- BASE AND BACKFILL MATERIALS SHALL BE EITHER OF THE SAME TYPE AND COMPOSITION AS THE MATERIALS REMOVED, OR OF EQUAL OR GREATER STRUCTURAL ADEQUACY. MATERIALS CONTAMINATED WITH DELETERIOUS SUBSTANCES DURING EXCAVATION SHALL NOT BE USED FOR FILL.
- THE CONTRACTOR SHALL VERIFY ALL FIELD DIMENSIONS AND REPORT ANY DISCREPANCIES (INCLUDING FIELD STAKE OUT) PRIOR TO COMMENCING WORK.
- RIGHT OF WAY SHOULDER STABILIZATION SHOULD BE IN ACCORDANCE WITH FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION LATEST EDITION.

UTILITY PROVIDER CONTACT LIST:

SEWER - EMERALD COAST UTILITY AUTHORITY MR. MIKE HAMLIN P.O. BOX 15311 PENSACOLA, FL 32514 PH: (850) 969-3310	SUNSHINE STATE ONE-CALL 7200 LAKE ELLENOR DR STE 200 ORLANDO, FL 32809 GULF BREEZE, FL 32561 PH: (800) 432-4770
ELECTRIC - GULF POWER MR. CHAD SWAILS 5120 DOGWOOD DRIVE MILTON, FL 32570 PH: (850) 429-2446	NATURAL GAS - ENERGY SERVICE OF PENSACOLA MR. SHAWN HARRIS 1625 ATWOOD DRIVE PENSACOLA, FL 32514 PH: (850) 474-5310
WATER - FARM HILL UTILITIES INC MR. SHAUN CONDON 120 MADRID RD. CANTONMENT, FL 32533 PH: (850) 968-2573	TELEPHONE - AT&T FLORIDA MR. HAL HINOTE 2221 INDUSTRIAL DRIVE PENSACOLA, FL 32405 PH: (850) 913-3709
CABLE - COX CABLE MR. TROY YOUNG 2421 EXECUTIVE PLAZA PENSACOLA, FL 32504 PH: (850) 857-4564	

WATER SYSTEM NOTES :

- MAINS SHALL HAVE A MINIMUM OF 30" COVER WITH 36" MAXIMUM COVER UNLESS APPROVED BY ENGINEER.
- ALL VALVES AND MATERIALS SHALL COMPLY WITH AWWA (AMERICAN WATER WORKS ASSOCIATION) STANDARDS, LATEST EDITION. VALVES SHALL BE RESILIENT SEATED GATE VALVES AS SPECIFIED ON PLANS.
- CONTRACTOR IS TO FURNISH "AS BUILT PLANS" INDICATING LOCATIONS OF ALL FITTINGS, VALVES, AND DEAD END RUNS WITH THREE (3) PHYSICAL FEATURES (LOT CORNERS, TREES, ETC.). THIS IS MANDATORY, NO EXCEPTIONS.
- ALL MAINS SHALL BE DISINFECTED IN ACCORDANCE WITH AWWA C651. PRESSURE TESTING SHALL BE IN ACCORDANCE WITH AWWA C600.
- CONTRACTOR SHALL NOTIFY AND COORDINATE WITH ENGINEER 48 HOURS PRIOR TO PRESSURE TESTING, DISAFFECTATION AND BACTERIOLOGICAL TESTING. PRESSURE TESTING SHALL BE VALVE TO VALVE. CONTRACTOR SHALL TAP THE WATER MAIN WITH A 1" TAPPING SADDLE AT LOCATIONS DETERMINED BY THE ENGINEER.
- BACTERIOLOGICAL TEST SHALL BE PERFORMED WITHIN 30 DAYS OF COMPLETION OF CONSTRUCTION FROM LOCATIONS WITHIN THE DISTRIBUTION SYSTEM IN ACCORDANCE WITH RULES 62-555.540 (2)(L), 62-555.345 AND 62-555.330, F.A.C AND AMERICAN WATER WORKS ASSOCIATION (AWWA) STANDARD C 651-92 AS FOLLOWS:
  - CONNECTION POINT TO AN EXISTING SYSTEM AND THE ENDPOINT OF THE PROPOSED ADDITION;
  - ANY WATER LINES BRANCHING OFF A MAIN EXTENSION;
  - EVERY 1,200 FEET ON STRAIGHT RUN OF PIPE;
  - EACH LOCATION SHALL BE SAMPLED ON TWO CONSECUTIVE DAYS WITH SAMPLE POINTS AND CHLORINE RESIDUAL READING CLEARLY INDICATED ON THE REPORT.
- CONTRACTOR WILL BE RESPONSIBLE FOR ALL FITTINGS, TAPS, EQUIPMENT AS REQUIRED FOR FLUSHING SYSTEM, PRESSURE TESTING, DISINFECTION AND BACTERIOLOGICAL TESTING.
- ALL VALVE BOXES SHALL BE INSTALLED PER DETAIL SHOWN. PRE-CAST VALVE PADS SHALL NOT BE USED.
- WHERE AN 18" MIN. CLEARANCE BETWEEN PVC/DI PIPE AND OTHER PIPE CANNOT BE ACHIEVED, THE PIPE SHALL BE CONCRETE ENCASED WITH 6" THICKNESS AROUND THE PIPE AND 6 FT. CLEARANCE EACH WAY. FOR DUCTILE IRON, THE PIPE SHALL BE WRAPPED WITH PLASTIC SHEETING AND SEALED BEFORE CONCRETE PLACEMENT.
- ALL CONSTRUCTION AREAS NEAR WETLANDS ARE TO BE MONITORED CLOSELY FOR EROSION, AND TAKE ALL NECESSARY STEPS TO PREVENT THE TRANSPORT OF SEDIMENT DUE TO CONSTRUCTION ACTIVITIES. SILT FENCE AND HAY BALES SHALL BE USED IN THESE AREAS. CONTRACTOR SHALL FOLLOW ALL THE PERMIT REQUIREMENTS WHICH ARE INCLUDED IN THE SPECIFICATIONS.
- THE CONTRACTOR SHALL USE RESTRAINED JOINT FITTINGS AND PIPE AT ALL BENDS, TEES, VALVES, AND TRANSITIONS.
- THE CONTRACTOR SHALL INSTALL WARNING TAPE 1' BELOW GROUND SURFACE OVER THE TOP OF ALL PIPE. THE WARNING TAPE SHALL BE INSTALLED AT THE SAME TIME THE PIPE IS INSTALLED.
- INSULATED 12 GA. LOCATING WIRE SHALL BE INSTALLED ON TOP OF ALL NON-METALLIC PIPE.
- ALL PIPE SHALL BE INSTALLED IN DRY CONDITIONS. WELL POINTING MAY BE REQUIRED AT THE DIRECTION OF THE ENGINEER.
- THE FLUSHING VELOCITY SHALL BE A MINIMUM OF 2.5 FEET PER SECOND FOR 1.5 TIMES THE PIPE VOLUME. THE OWNER WILL PAY FOR THE FIRST FLUSH AND PRESSURE TEST WATER. THE CONTRACTOR WILL PAY FOR ANY WATER FOR ADDITIONAL REPAIRS, FLUSHING AND TESTING. THE ENTIRE ROUTE SHALL BE LAID OUT BY A PROFESSIONAL SURVEYOR AND MAPPER (PSM). THE AS-BUILTS FOR THIS PROJECT SHALL ALSO BE VERIFIED BY A PSM WHICH SHALL INCLUDE ALL TIE-IN LOCATIONS, VALVES, FIRE HYDRANTS AND OTHER APPURTENANCES. CONTRACTOR SHALL PROVIDE THE AS-BUILTS IN STATE PLANE COORDINATES BY HARD COPY (SIGNED AND SEALED) AND DIGITAL COPY.
- A ONE FOOT STRIP OF SOD SHALL BE INSTALLED ON THE EDGE OF ALL ASPHALT OVERLAY AREAS, BLOW OFF ASSEMBLIES, VALVE PADS, AIR RELEASE BOXES AND FIRE HYDRANTS.
- CONTRACTOR SHALL PROVIDE AS-BUILTS OF ALL DIRECTIONAL BORES AND SHALL INCLUDE DEPTHS EVERY 10' HORIZONTALLY.
- CONTRACTOR SHALL PROVIDE ALL TEMPORARY PIPING, VALVES AND APPURTENANCES AS NECESSARY FOR FLUSHING WATER MAINS TO ABOVE GRADE AT A VELOCITY OF 2.5 FT/SEC.
- CONTRACTOR SHALL COORDINATE WITH GULF POWER WHEN NEEDED TO SUPPORT EXISTING POWER POLES AT NO COST TO THE OWNER.
- CONTRACTOR SHALL PROVIDE VALVE BOXES FOR ALL VALVES WITH THE EXCEPTION OF THE VALVES TO BE PERMANENTLY CLOSED. HOWEVER, CONTRACTOR SHALL PROVIDE TEMPORARY PVC RISERS UNTIL ALL TIE-INS HAVE BEEN MADE AND THE NEW LINES HAVE BEEN PLACED INTO SERVICE.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL TIE-INS AND MANAGEMENT OF EXCESS WATER. CONTRACTOR MAY USE LINE STOPS AT TIE-IN LOCATIONS AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY ABOVE GRADE FLUSHING ASSEMBLIES IF NEEDED. ALL TEMPORARY FLUSHING ASSEMBLIES MAY NOT BE SHOWN ON THE PLANS. ALL COSTS ASSOCIATED WITH FLUSHING SHALL BE BORNE BY THE CONTRACTOR.
- THE CONTRACTOR SHALL HAVE A PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE OF FLORIDA CERTIFY THE ELEVATIONS OF ALL PIPE AT SPECIFIED LOCATIONS ON THE PLANS TO CONFIRM THE PROPER ELEVATIONS.
- AT LOCATIONS WHERE ASPHALT IS TO BE REMOVED BUT NOT REPLACED, THE CONTRACTOR SHALL INSTALL 6" OF LIMEROCK FOR TEMPORARY STABILIZATION.
- FLUSHING TIME SHALL BE AT LEAST THAT AMOUNT OF TIME NEEDED TO FLUSH 2X PIPE VOLUME AFTER 3 FPS VELOCITY IS REACHED OR UNTIL CLEAR, WHICHEVER IS LONGER. MAXIMUM LENGTH OF PIPE BETWEEN FLUSHING ASSEMBLIES SHALL BE 5,000'.
- ALL PIPES SHALL BE C-900 OR C-905 P.V.C. UNLESS OTHERWISE NOTED OR REQUIRED. FITTINGS SHALL BE DUCTILE IRON.
- THRUST BLOCKS SHALL BE SIZED TO RESIST HYDRAULIC TEST PRESSURES AGAINST UNDISTURBED SOILS (150 P.S.I.).
- FIRE HYDRANTS SHALL BE INSTALLED ON OR NEAR PROPERTY CORNERS.

ESCAMBIA COUNTY NOTES:

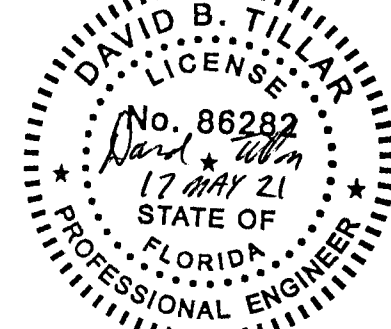
- THE PROJECT ENGINEER (ENGINEER OF RECORD) SHALL PROVIDE TO ESCAMBIA COUNTY "AS-BUILT" RECORD DRAWINGS FOR VERIFICATION AND APPROVAL BY ESCAMBIA COUNTY ONE WEEK PRIOR TO REQUESTING A FINAL INSPECTION AND CERTIFICATE OF OCCUPANCY, OR PROVIDE "AS-BUILT" CERTIFICATION THAT THE PROJECT CONSTRUCTION ADHERES TO THE PERMITTED PLANS AND SPECIFICATIONS. THE "AS-BUILT" CERTIFICATION OR THE "AS-BUILT" RECORD DRAWINGS MUST BE SIGNED, SEALED AND DATE BY A REGISTERED FLORIDA PROFESSIONAL ENGINEER.
- ALL ASPECTS OF THE STORMWATER/DRAINAGE COMPONENTS AND/OR TRANSPORTATON COMPONENTS SHALL BE COMPLETED PRIOR TO ISSUANCE OF A FINAL CERTIFICATE OF OCCUPANCY.
- NO DEVIATIONS OR REVISIONS FROM THESE PLANS BY THE CONTRACTOR SHALL BE ALLOWED WITHOUT PRIOR APPROVAL FROM BOTH THE DESIGN ENGINEER AND ESCAMBIA COUNTY. ANY DEVIATIONS MAY RESULT IN DELAYS IN OBTAINING A CERTIFICATE OF OCCUPANCY.
- THE 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.
- RETENTION/DETENTION AREAS SHALL BE SUBSTANTIALLY COMPLETED 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.
- ALL DISTURBED AREAS WHICH ARE NOT PAVED SHALL BE STABILIZED WITH SEEDING, FERTILIZER AND MULCH, HYDROSEED AND/OR SOD.
- ALL NEW BUILDING ROOF DRAINS, DOWN SPOUTS, OR GUTTERS SHALL BE ROUTED TO CARRY ALL STORMWATER TO RETENTION/DETENTION AREAS.
- DEVELOPER/CONTRACTOR SHALL RESHAPE PER PLAN SPECIFICATIONS, CLEAN OUT ACCUMULATED SILT, AND STABILIZE RETENTION/DETENTION POND(S) AT THE END OF CONSTRUCTION WHEN ALL DISTURBED AREAS HAVE BEEN STABILIZED AND PRIOR TO REQUEST FOR INSPECTION.
- 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 TOTHE ENGINEER OF RECORD PRIOR TO REQUESTING FINAL INSPECTION.
- 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) 595-3472. AS-BUILT CERTIFICATION IS REQUIRED PRIOR TO REQUEST FOR FINAL INSPECTION/APPROVAL.
- PRIOR TO CONSTRUCTION, A SEPARATE BUILDING INSPECTION DEPARTMENT PERMIT(S) SHALL BE OBTAINED FOR ALL RETAINING WALL(S) HIGHER THAN 2 FEET.
- NOTIFY SUNSHINE UTILITIES 48 HOURS IN ADVANCE PRIOR TO DIGGING WITHIN R/W; 1-800-432-4770.
- ANY DAMAGE TO EXISTING ROADS DURING CONSTRUCTION WILL BE REPAIRED BY THE DEVELOPER PRIOR TO FINAL "AS-BUILT" SIGN OFF FROM THE COUNTY.
- THE CONTRACTOR SHALL NOTIFY FDOT 48 HOURS IN ADVANCE PRIOR TO INITIATING ANY WORK IN THE STATE RIGHTS-OF-WAY.



203 Aberdeen Parkway  
Panama City, FL 32405  
850.522.0644

FARM HILL UTILITIES  
WATER STORAGE TANK  
CANTONMENT, FL  
ESCAMBIA COUNTY

SEAL



DAVID TILLAR, P.E. 86282  
EB 0008794

PRELIMINARY DOCUMENTS  
NOT FOR CONSTRUCTION

SCALE

NO SCALE

REVISIONS

NO.	DESCRIPTION	DATE
1	REVISION	
2	REVISION	
3	REVISION	
4	REVISION	
5	REVISION	
6	REVISION	
7	REVISION	
8	REVISION	
9	REVISION	
10	REVISION	
11	REVISION	
12	REVISION	
13	REVISION	
14	REVISION	
15	REVISION	
16	REVISION	
17	REVISION	
18	REVISION	
19	REVISION	
20	REVISION	
21	REVISION	
22	REVISION	
23	REVISION	
24	REVISION	
25	REVISION	
26	REVISION	
27	REVISION	
28	REVISION	
29	REVISION	
30	REVISION	
31	REVISION	
32	REVISION	
33	REVISION	
34	REVISION	
35	REVISION	
36	REVISION	
37	REVISION	
38	REVISION	
39	REVISION	
40	REVISION	
41	REVISION	
42	REVISION	
43	REVISION	
44	REVISION	
45	REVISION	
46	REVISION	
47	REVISION	
48	REVISION	
49	REVISION	
50	REVISION	
51	REVISION	
52	REVISION	
53	REVISION	
54	REVISION	
55	REVISION	
56	REVISION	
57	REVISION	
58	REVISION	
59	REVISION	
60	REVISION	
61	REVISION	
62	REVISION	
63	REVISION	
64	REVISION	
65	REVISION	
66	REVISION	
67	REVISION	
68	REVISION	
69	REVISION	
70	REVISION	
71	REVISION	
72	REVISION	
73	REVISION	
74	REVISION	
75	REVISION	
76	REVISION	
77	REVISION	
78	REVISION	
79	REVISION	
80	REVISION	
81	REVISION	
82	REVISION	
83	REVISION	
84	REVISION	
85	REVISION	
86	REVISION	
87	REVISION	
88	REVISION	
89	REVISION	
90	REVISION	
91	REVISION	
92	REVISION	
93	REVISION	
94	REVISION	
95	REVISION	
96	REVISION	
97	REVISION	
98	REVISION	
99	REVISION	
100	REVISION	

DRAWN BY \_\_\_\_\_ FEL  
APPROVED BY \_\_\_\_\_ DBT  
CHECKED BY \_\_\_\_\_ DBT  
DATE \_\_\_\_\_ NOVEMBER 2020

TITLE

GENERAL NOTES

PROJECT NO. 50126846

GC - 101

SHEET NO.

April 28, 2021 (11:21:18 EST)  
C:\5126846 FARM HILL UTILITIES ELEVATED TANK\CAD1 25.2021 FARM HILL UTILITIES - STANDARD\PRODUCTION\02GC-102 - NOTES.DWG GC - 102 GENERAL NOTES BY: GEDWARDS

A

B

C

D

E

EROSION NOTES:

1. CONTRACTOR SHALL PHASE CONSTRUCTION AS TO MINIMIZE THE SIZE OF EXPOSED SOIL AREAS AND THE TIME BETWEEN EXPOSING THE SOIL AREA AND FINISHING THE SOIL AREA.
2. THE CONTRACTOR IS TO PROVIDE EROSION CONTROL/SEDIMENTATION BARRIER (HAY BALES, SILT FENCE, TURBIDITY BARRIER, OR AS SPECIFIED IN THE CONSTRUCTION DRAWINGS) TO PREVENT SILTATION OF ADJACENT PROPERTY, STREETS, STORM SEWERS, WATERWAYS, AND WETLAND OR JURISDICTIONAL AREAS. IF, IN THE OPINION OF THE ENGINEER, AND/OR REGULATORY AUTHORITIES, EXCESSIVE QUANTITIES OF MATERIAL ARE TRANSPORTED OFF-SITE BY EROSION OR STORM WATER RUNOFF, THE CONTRACTOR SHALL IMPROVE CONDITIONS TO THE SATISFACTION OF THE ENGINEER AND/OR AUTHORITIES AT NO ADDITIONAL COST TO THE OWNER. IN NO CASE SHALL CONSTRUCTION COMMENCE PRIOR TO INSTALLATION OF EROSION CONTROL/SEDIMENTATION BARRIER.
3. CONTRACTOR SHALL CONSTRUCT A CONSTRUCTION ENTRANCE AT ALL LOCATIONS TO BE USED FOR CONSTRUCTION RELATED TRAFFIC TO ENTER AND EXIT THE SITE.
4. IF WIND EROSION BECOMES SIGNIFICANT DURING CONSTRUCTION, THE CONTRACTOR SHALL STABILIZE THE AREA USING SPRINKLING IRRIGATION OR OTHER ACCEPTABLE METHODS AS APPROVED BY THE ENGINEER..
5. THE CONTRACTOR SHALL USE THE BEST POSSIBLE APPROPRIATE METHOD TO PROVIDE EROSION CONTROL FOR EACH LOT DURING CONSTRUCTION OF THE HOMES.
6. SILT FENCE BARRIER SHALL BE INSTALLED AT ALL TOE OF SLOPES WHICH WILL RESULT IN STORMWATER FLOWING OFF OF THE PROJECT SITE.
7. SOD ALL SLOPES 3:1 OR STEEPER.
8. EROSION CONTROL MATTING SHALL BE NORTH AMERICAN GREEN SC-150 OR EQUAL APPROVED BY THE ENGINEER. INLET FILTER SYSTEMS SHALL BE SILT-SAVER, INC. OR EQUAL APPROVED BY THE ENGINEER.
9. ALL DISTURBED AREAS NOT SPECIFICALLY SHOWN TO BE SODDED SHALL BE SEEDED AND MULCHED. THE GRASS SEED SHALL BE 20 PARTS BERMUDA AND 80 PARTS PENSACOLA BAHIA. APPLICATION RATES SHALL BE 100 POUNDS PER ACRE. IF CONSTRUCTION OCCURS DURING THE MONTHS OF OCTOBER THROUGH JANUARY, SEEDING SHALL BE 50 PARTS WINTER RYE AND 50 PARTS PENSACOLA BAHIA AT 100 POUNDS PER ACRE. SEEDED AREAS SHALL BE FERTILIZED WITH 8-8-8 NPK DRY FERTILIZER AT THE RATE OF 800 POUNDS PER ACRE.
10. ALL AREAS TO BE SEEDED AND MULCHED SHALL BE PLATED WITH A MINIMUM OF TWO INCHES OF TOPSOIL PRIOR TO SEEDING.
11. ALL EROSION CONTROL STRUCTURES SHALL BE IN PLACE BEFORE DEMOLITION BEGINS.

CONSTRUCTION SEQUENCE

1. THE FOLLOWING SEQUENCE OF CONSTRUCTION SHALL BE FOLLOWED AFTER ALL PROPER PERMITS HAVE BEEN OBTAINED:

A) CONSTRUCT TREE PROTECTION BARRICADES AND SEDIMENTATION/EROSION CONTROLS AND CLEARLY FLAG THE LIMITS OF CONSTRUCTION. DO NOT BEGIN CONSTRUCTION UNTIL EROSION CONTROL DEVICES HAVE BEEN INSPECTED AND APPROVED BY THE LOCAL PERMITTING AUTHORITY.

B) CONSTRUCT ALL STORM WATER MANAGEMENT FACILITIES. DO NOT CLEAR ANY OTHER AREAS OF THE SITE UNTIL THE POND/SWALE IS STABILIZED.

C) NO ONE SHALL CLEAR THE REMAINING PORTION OF THE SITE AND CREATE DIVISION BERMS OR CHANNELS TO DIRECT RUNOFF TO THE STORM WATER FACILITIES WHERE NEEDED. CHECK DAMS CONSISTING OF HAY BALES OR OTHER MATERIALS SHALL BE USED TO TRAP ANY SEDIMENTS BEFORE THEY REACH THE POND/SWALE.

D) CONSTRUCT UTILITIES AND OTHER IMPROVEMENTS IN ACCORDANCE WITH THE APPROVED DRAWINGS.

E) SEED/SOD AND LANDSCAPE IN ACCORDANCE WITH THE APPROVED DRAWINGS.

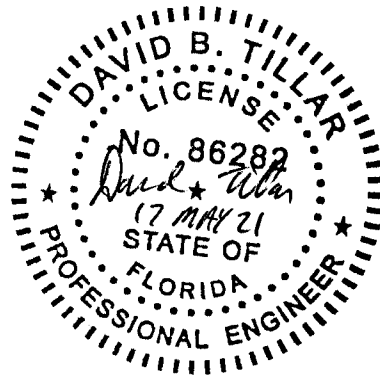
F) OBTAIN A STORM WATER OPERATION AND MAINTENANCE PERMIT. RECORD DRAWINGS SHALL BE FILED WITH THE LOCAL PERMITTING AUTHORITY.
2. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR INSPECTION SERVICES DURING CONSTRUCTION UNLESS SPECIFICALLY RETAINED BY THE OWNER.
3. FOR BIDDING PURPOSES, THESE PLANS SHALL BE CONSIDERED PRELIMINARY UNTIL ALL NECESSARY PERMITS AND APPROVALS HAVE BEEN OBTAINED.
4. CONTRACTOR SHALL GUARANTEE ALL WORK FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE BY THE OWNER.
5. THE CONTRACTOR SHALL CARRY ON HIS WORK AND ADHERE TO THE PROGRESS SCHEDULE DURING ALL DISPUTES OR DISAGREEMENTS WITH THE OWNER. NO WORK SHALL BE DELAYED OR POSTPONED PENDING RESOLUTION OF ANY DISPUTES OR DISAGREEMENTS.
6. KEEP EXISTING PAVEMENT AS SHOWN, AND SAW CUT WHERE NEEDED FOR ISLANDS.
7. CONTRACTOR SHALL COORDINATE WITH FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) FOR REMOVAL OF ANY MONITORING WELLS FOUND ON THE SITE.
8. CONTRACTOR SHALL DISPOSE OF ALL DEBRIS OFF SITE AND BE IN COMPLIANCE WITH FEDERAL, STATE, AND COUNTY LAWS AND REGULATIONS.
9. POST ALL APPLICABLE PERMITS. DO NOT NAIL TO TREES.



203 Aberdeen Parkway  
Panama City, FL 32405  
850.522.0644

FARM HILL UTILITIES  
WATER STORAGE TANK  
CANTONMENT, FL  
ESCAMBIA COUNTY

SEAL



DAVID TILLAR, P.E. 86282  
EB 0008794

PRELIMINARY DOCUMENTS  
NOT FOR CONSTRUCTION

SCALE

NO SCALE

REVISIONS

	COUNTY COMMENT	27 APR 21

NO.	DESCRIPTION	DATE
-----	-------------	------

DRAWN BY	FEL
APPROVED BY	DBT
CHECKED BY	DBT
DATE	NOVEMBER 2020

TITLE

GENERAL NOTES

PROJECT NO. 50126846

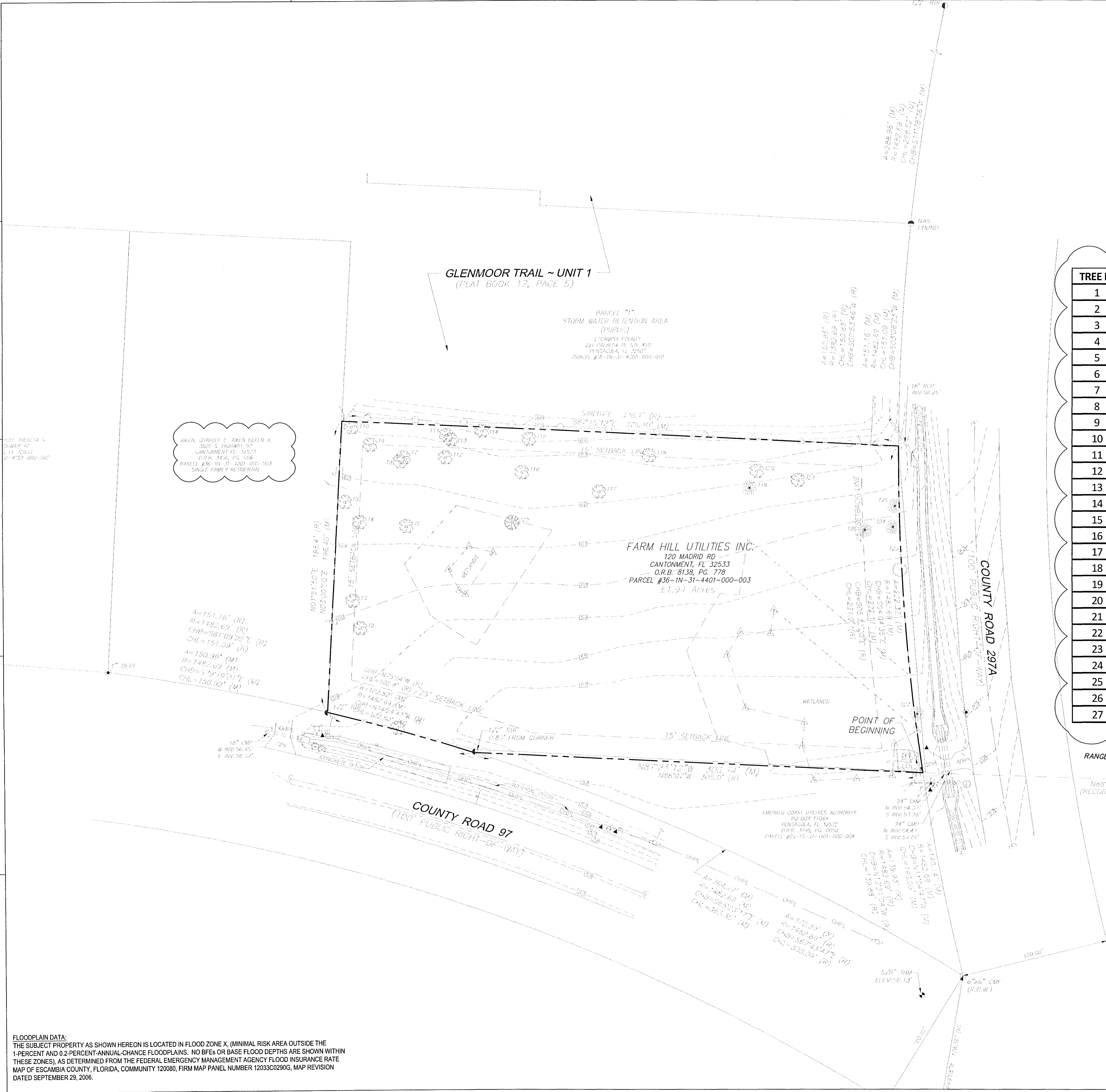
GC - 102

SHEET NO.



May 11, 2021 (12:44:03 EST)  
0:50:26846 FARM HILL UTILITIES ELEVATED TANK/CD/1.26.2021/FARM HILL UTILITIES - STANDARD/PRODUCTION/CD-100 EXIST DWG CS-01 EXISTING CONDITIONS BY: GEDWARDS

**FLOODPLAIN DATA:**  
THE SUBJECT PROPERTY AS SHOWN HEREON IS LOCATED IN FLOOD ZONE X, (MINIMAL RISK AREA OUTSIDE THE 1-PERCENT AND 0.2-PERCENT ANNUAL-CHANCE FLOODPLAINS. NO BFES OR BASE FLOOD DEPTHS ARE SHOWN WITHIN THESE ZONES), AS DETERMINED FROM THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP OF ESCAMBIA COUNTY, FLORIDA, COMMUNITY 120080, FIRM MAP PANEL NUMBER 12033C0290G, MAP REVISION DATED SEPTEMBER 29, 2006.



TREE ID	DBH	SPECIES	CONDITIONS
1	62"	OAK	HERITAGE
2	24"	OAK	
3	17"	OAK	
4	33"	OAK	
5	36"	OAK	
6	16"	OAK	
7	12"	OAK	
8	18"	OAK	
9	18"	OAK	
10	36"	OAK	
11	12"	OAK	
12	12"	OAK	
13	30"	OAK	
14	12"	OAK	
15	36"	OAK	
16	24"	OAK	
17	14"	OAK	
18	12"	OAK	
19	24"	OAK	
20	24"	OAK	
21	12"	OAK	
22	16"	MAGNOLIA	
23	12"	MAGNOLIA	
24	12"	PINE	
25	12"	PINE	
26	18"	PINE	
27	17"	PINE	

POINT OF COMMENCEMENT:  
THE SOUTHEAST CORNER OF  
SECTION 36, TOWNSHIP 1 NORTH,  
RANGE 31 WEST, ESCAMBIA COUNTY, FLORIDA.

N89°07'00"W 406.0' (R)  
(RECORD TIE - NOT FIELD RUN)

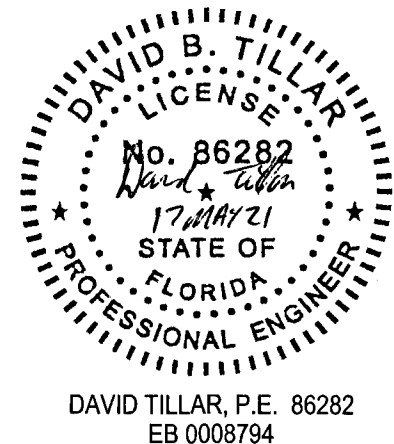
36 37 1-1-N  
3 2 1-1-S



203 Aberdeen Parkway  
Panama City, FL 32405  
850.522.0644

FARM HILL UTILITIES  
WATER STORAGE TANK  
CANTONMENT, FL  
ESCAMBIA COUNTY

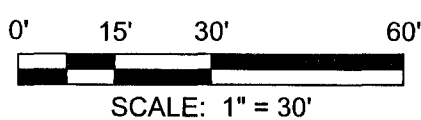
SEAL



DAVID TILLAR, P.E. 86282  
EB 0008794

PRELIMINARY DOCUMENTS  
NOT FOR CONSTRUCTION

SCALE



REVISIONS

NO.	DESCRIPTION	DATE
1	COUNTY COMMENT	27 APR 21

DRAWN BY \_\_\_\_\_ FEL  
APPROVED BY \_\_\_\_\_ DBT  
CHECKED BY \_\_\_\_\_ DBT  
DATE \_\_\_\_\_ NOVEMBER 2020

TITLE

EXISTING  
CONDITIONS

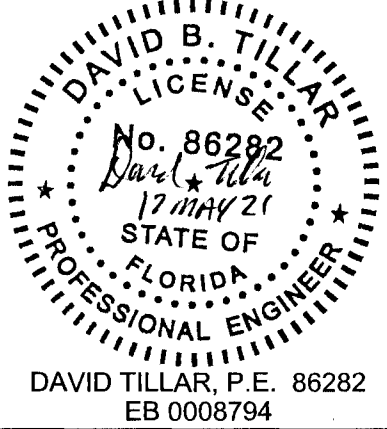
PROJECT NO. 50126846

CD-100

SHEET NO.

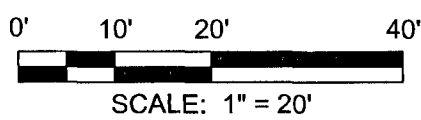
FARM HILL UTILITIES  
WATER STORAGE TANK  
CANTONMENT, FL  
ESCAMBIA COUNTY

SEAL



PRELIMINARY DOCUMENTS  
NOT FOR CONSTRUCTION

SCALE



## REVISIONS

[illegible]

NO.	DESCRIPTION	DATE
-----	-------------	------

DRAWN BY	FEL
APPROVED BY	DBT
CHECKED BY	DBT
DATE	NOVEMBER 2020

TITLE

# DEMOLITION, EROSION & SEDIMENT CONTROL

PROJECT NO. 50126846

CD-101

SHEET NO.



May 11, 2021 (15:04:17 EST)  
 3:350126846 FARM HILL UTILITIES ELEVATED TANK/CAD11.25.2021FARM HILL UTILITIES - STANDARD/PRODUCTION/06CS-102 SITE.DWG CD-101 DEMOLITION EROSION & SEDIMENT CONTROL BY: GEDWARDS

ALL EX. TREES TO REMAIN  
WITHIN THE CLOUDED AREA

WETLANDS

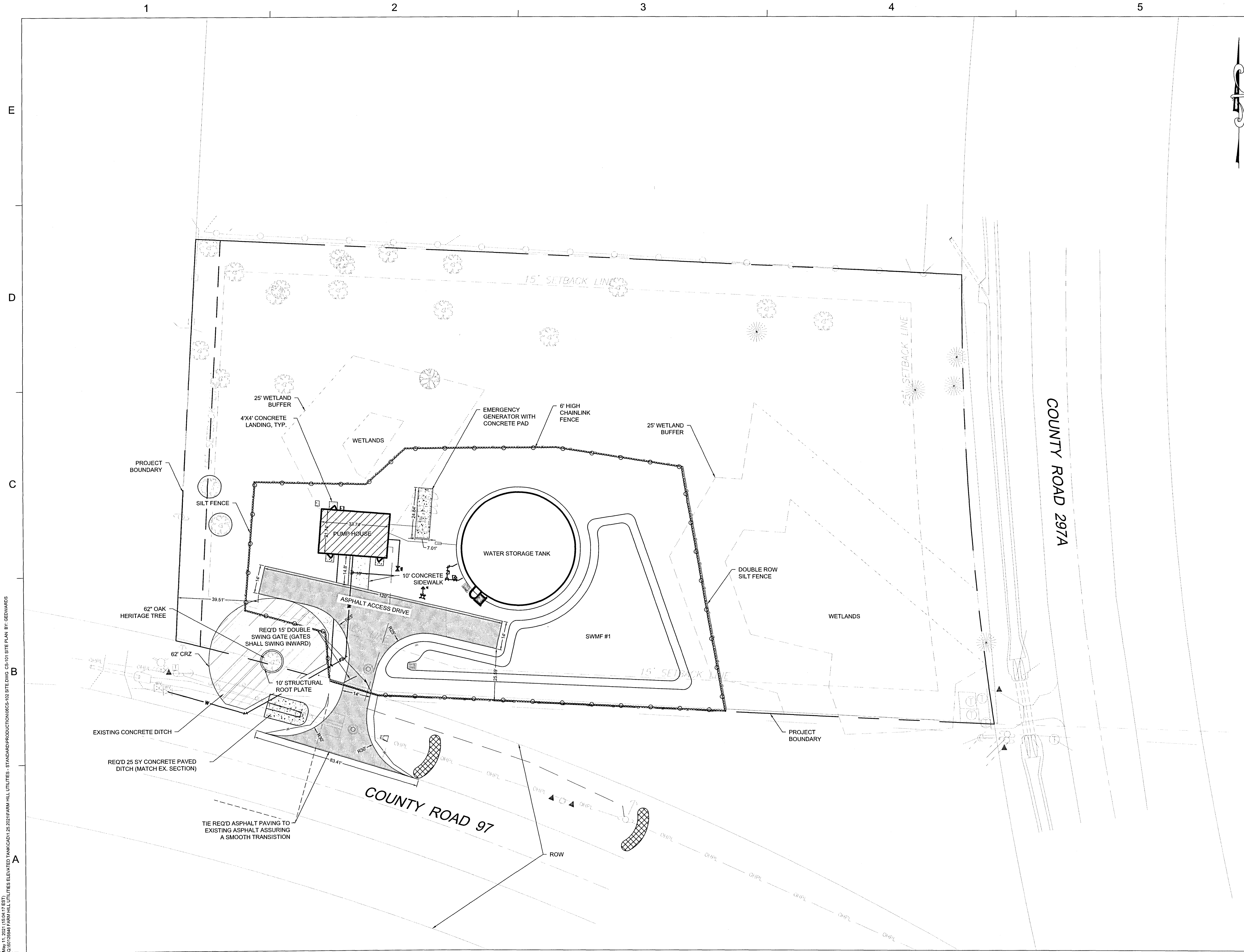
WETLANDS

## COUNTY ROAD 297A

**DEMOLITION NOTES:**

- 1 - LIMITS OF CLEARING
- 2 - CLEAR AND GRUB ALL WOODLAND BRUSH UP TO PROPOSED TREE LINE.
- 3 - SILT FENCE, TYP.
- 4 - EXISTING TREE TO REMAIN.
- 5 - 70'X20' GRAVEL CONSTRUCTION ENTRANCE WITH CULVERT.
- 6 - SAW CUT, REMOVE & REPLACE IN PL. CONCRETE DITCH
- 7 - WATTLE CHECK DAM
- 8 - EXISTING WETLANDS LIMITS (CONTRACTOR SHALL AVOID IMPACTS WITHIN THIS AREA)
- 9 - EXISTING ROADWAY SIGN TO BE RESET
- 10 - EXISTING DRAINAGE
- 11 - EXISTING CONCRETE DITCH
- 12 - EXISTING UTILITIES
- 13 - EXISTING FIRE HYDRANT
- 14 - 25' WETLAND BUFFER LINE

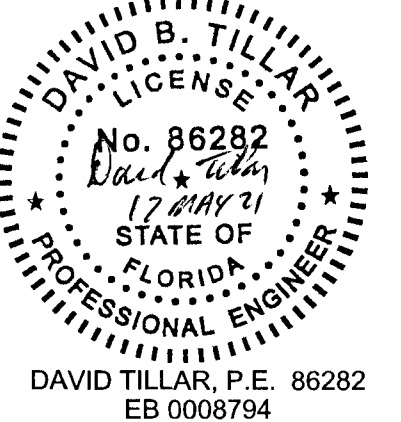
May 11, 2021 (15:04:17 EST)  
Q:\50126846 FARM HILL UTILITIES ELEVATED TANK\DWG\CS-101 SITE PLAN BY: GEDWARDS



203 Aberdeen Parkway  
Panama City, FL 32405  
850.522.0644

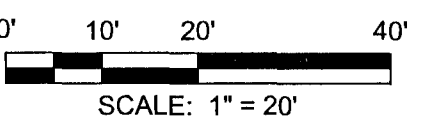
FARM HILL UTILITIES  
WATER STORAGE TANK  
CANTONMENT, FL  
ESCAMBIA COUNTY

SEAL



PRELIMINARY DOCUMENTS  
NOT FOR CONSTRUCTION

SCALE



REVISIONS

NO.	DESCRIPTION	DATE
1	COUNTY COMMENT	27 APR 21

DRAWN BY \_\_\_\_\_ FEL  
APPROVED BY \_\_\_\_\_ DBT  
CHECKED BY \_\_\_\_\_ DBT  
DATE \_\_\_\_\_ NOVEMBER 2020

TITLE

SITE PLAN

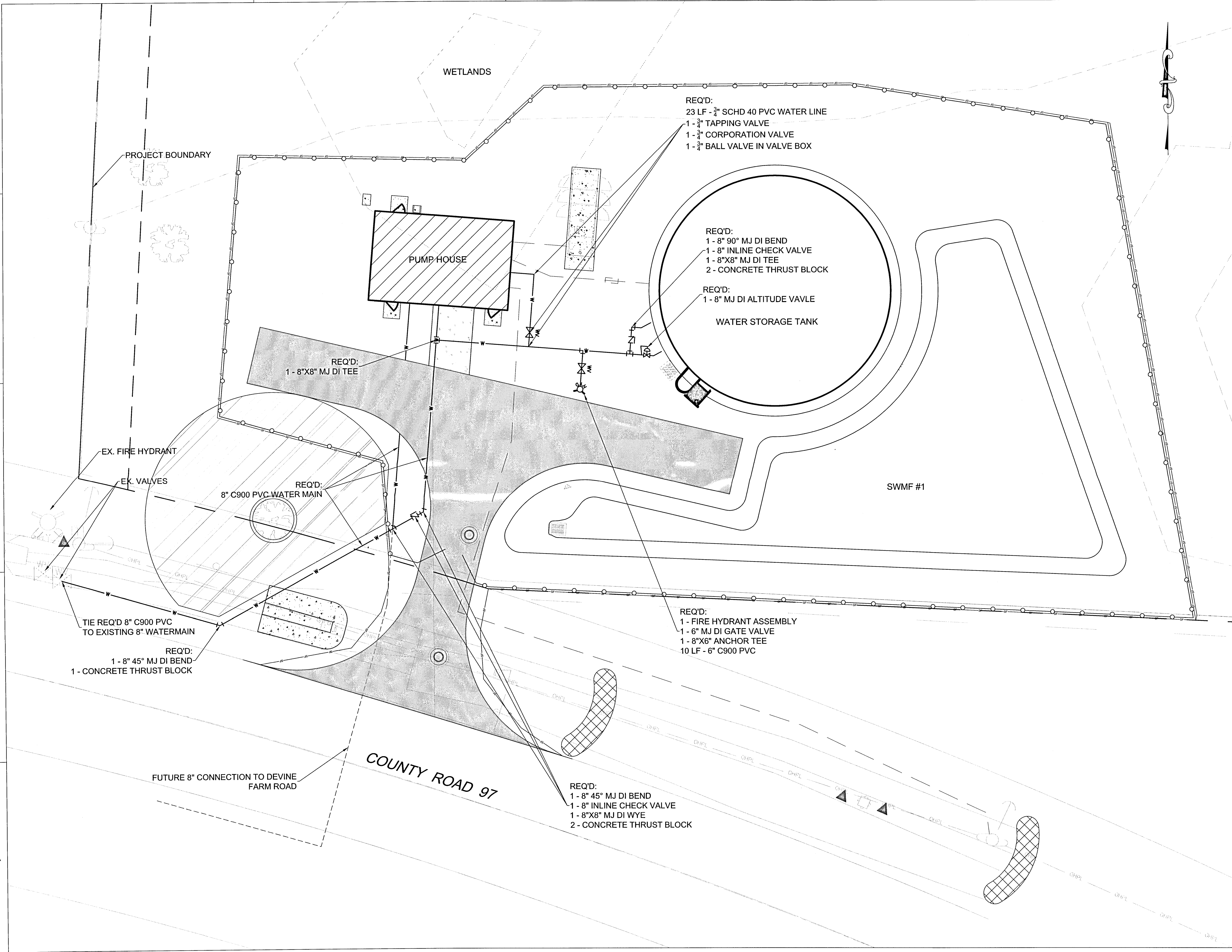
PROJECT NO. 50126846

CS-101

SHEET NO.



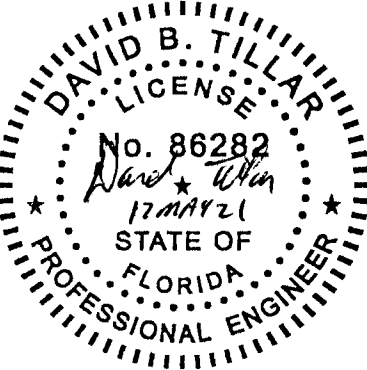
NO. 11, 0521 (REV. 11/17 EST.)  
0161726846 FARM HILL UTILITIES ELEVATED TANK/CAO1.35.2021 FARM HILL UTILITIES - STANDARD PRODUCTION 08/05-102 SITE DWG CU-101 UTILITY PLAN BY: BEDWARDS



203 Aberdeen Parkway  
Panama City, FL 32405  
850.522.0644

FARM HILL UTILITIES  
WATER STORAGE TANK  
CANTONMENT, FL  
ESCAMBIA COUNTY

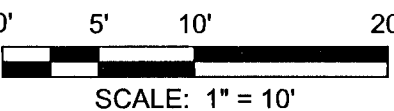
SEAL



DAVID TILLAR, P.E. 86282  
EB 0008794

PRELIMINARY DOCUMENTS  
NOT FOR CONSTRUCTION

SCALE



REVISIONS

NO.	DESCRIPTION	DATE
1	COUNTY COMMENT	27 APR 21

DRAWN BY \_\_\_\_\_ FEL  
APPROVED BY \_\_\_\_\_ DBT  
CHECKED BY \_\_\_\_\_ DBT  
DATE \_\_\_\_\_ NOVEMBER 2020

TITLE

UTILITY PLAN

PROJECT NO. 50126846

CU-101

SHEET NO.

May 17, 2021 (10:09:20 EST)  
CG-10126846 FARM HILL UTILITIES ELEVATED TANK/AD-1.25.2021 FARM HILL UTILITIES - STANDARD PRODUCTION/CGS-102 SITE DWG CG-101 GRADING AND DRAINAGE PLAN BY: ABICHOTTE

SURFACE CONDITION SUMMARY	
EXISTING	
DESCRIPTION	AREA(SF/AC)
PERVIOUS	84,447.9/1.94
IMPERVIOUS	0/0
PROPOSED	
DESCRIPTION	AREA(SF/AC)
PERVIOUS	77,897.2/1.79
IMPERVIOUS	6550.7/0.15

PROJECT BOUNDARY

25' WETLAND  
BUFFER

STORMWATER  
DIVERSION SWALE

DS-6  
FDOT TYPE C INLET  
RIM:58.50  
SUMP:54.75  
NV OUT SW: 55.75 18" HP

SWALE TO DRAIN @  
1.25% GRADE

25' WETLAND  
BUFFER

WETLANDS

WATER STORAGE TANK

WETLANDS

COUNTY ROAD 297A

COUNTY ROAD 97

DS-4  
FDOT TYPE P7 MANHOLE  
RIM:58.24  
SUMP:54.63  
INV IN E: 55.63 18" HP  
NV OUT S: 55.63 18" HP  
DP-4 26" OF 18" RCP @ 0.20%

DS-1  
MES  
INV IN W: 55.75 18" RCP  
DP-1 24" OF 18" RCP @ 0.70%

DS-2  
FDOT TYPE P7 MANHOLE  
RIM:58.64  
SUMP:54.58  
INV IN W: 55.58 18" RCP  
NV IN N: 55.58 18" RCP  
NV OUT E: 55.48 18" RCP  
DP-2 12" OF 18" RCP @ 0.70%

DS-3  
MES  
INV IN W: 55.50 18" RCP

INV. 58.90 4" DRAIN PIPE  
w/ 4" TIE FLEX VALVE AND RIP RAP  
MAINTAIN COVER OVER PIPE  
DS-5  
FDOT TYPE C INLET (OUTFALL STRUCTURE)  
RIM:58.75  
SUMP:54.00  
INV IN N: 55.66 18" HP  
INV IN E: 55.66 8" PERFORATED PIPE  
NV OUT W: 55.66 18" HP  
8" TIE FLEX VALVE  
DP-5 17" OF 18" HP @ 0.20%

SAND BANK FILTER

PERFORATED PIPE INV. 55.93

DP-6 44" OF 18" HP @ 0.20%  
SWMF #1

18" RCP  
INV: 58.25'

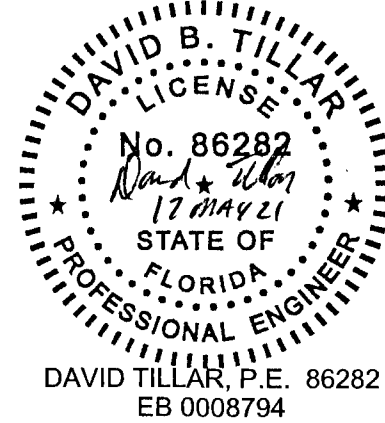
24" CMP  
N INV: 54.37'  
S INV: 53.78'  
24" CMP  
N INV: 54.47'  
S INV: 54.01'



203 Aberdeen Parkway  
Panama City, FL 32405  
850.522.0644

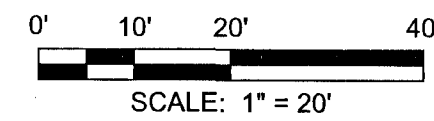
FARM HILL UTILITIES  
WATER STORAGE TANK  
CANTONMENT, FL  
ESCAMBIA COUNTY

SEAL



PRELIMINARY DOCUMENTS  
NOT FOR CONSTRUCTION

SCALE



REVISIONS

NO.	COUNTY COMMENT	DATE
1		27 APR 21

NO. DESCRIPTION DATE

DRAWN BY FEL

APPROVED BY DBT

CHECKED BY DBT

DATE NOVEMBER 2020

TITLE

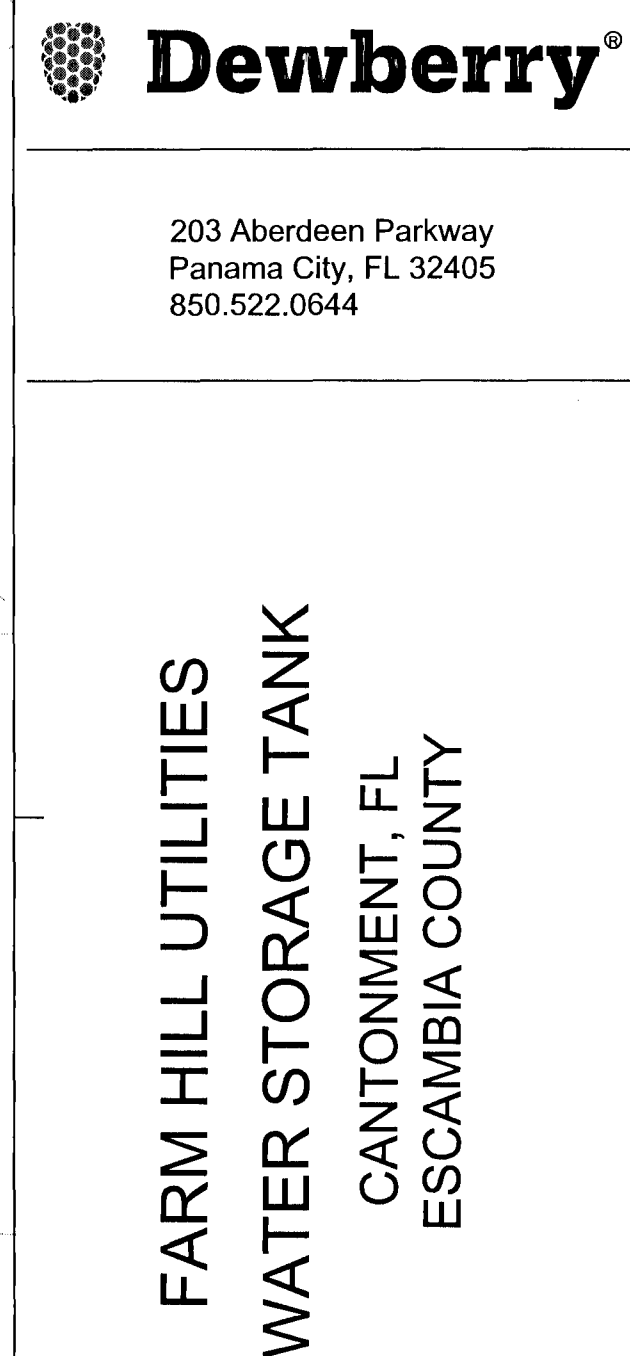
GRADING AND  
DRAINAGE PLAN

PROJECT NO. 50126846

CG-101

SHEET NO.





SEAL

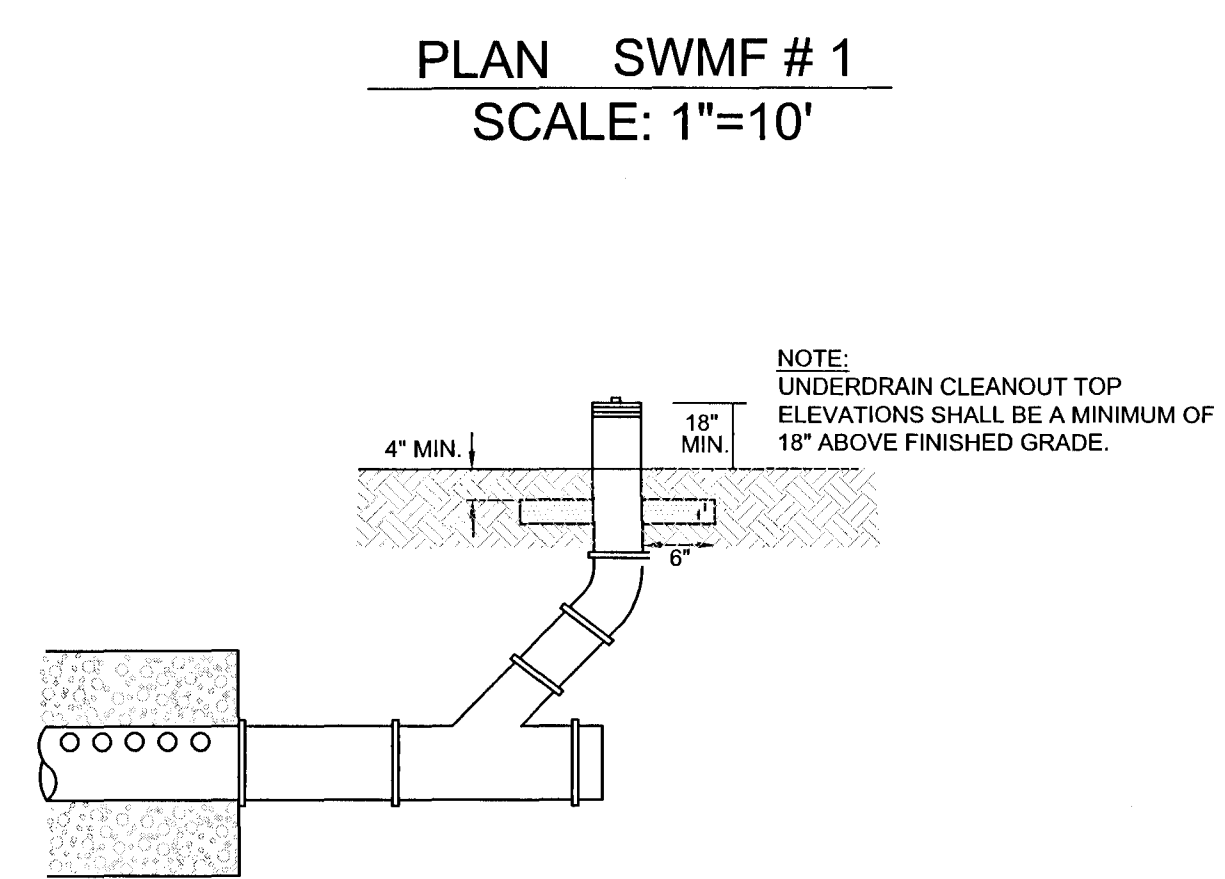
DAVID B. TILLAR  
LICENSE  
No. 86282  
10/19/2012  
STATE OF  
FLORIDA  
PROFESSIONAL ENGINEER

DAVID TILLAR, P.E. 86282  
EB.0008794

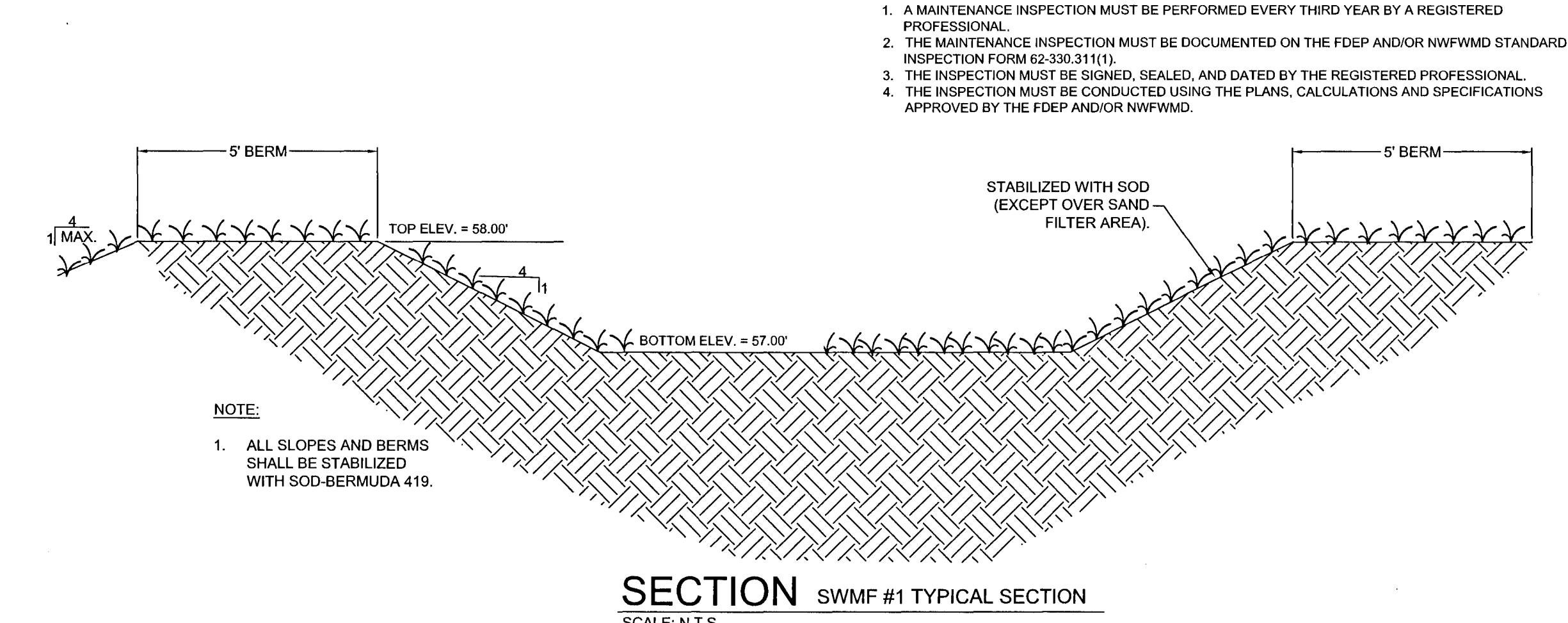
PRELIMINARY DOCUMENTS  
NOT FOR CONSTRUCTION

SCALE

AS SHOWN



**DETAIL** SAND FILTER CLEANOUT  
SCALE: N.T.S.



May 17, 2021 (11:49:04 EST)  
 Q:\50128948 FARM HILL UTILITIES ELEVATED TANK\CADD\25.2021\FARM HILL UTILITIES - STANDARD\PRODUCTION\06CS-102 SITE.DWG CG-102 STORMWATER DETAIL SHEET BY: ABICHOTTE

**STORMWATER OPERATION/Maintenance PLAN**

OPERATION AND MAINTENANCE ENTITY IS FARM HILL UTILITIES.

**AFTER EACH RAINFALL EVENT**

1. PAVEMENT AREAS – CLEAN/SWEEP DEBRIS AND DIRT FROM PAVEMENT AREAS.
2. SEDIMENTS IN RETENTION/DETENTION AREAS – REMOVED IMMEDIATELY.
3. DEBRIS IN RETENTION/DETENTION AREAS – ALL DEBRIS AND FOREIGN MATERIAL SHALL BE REMOVED IMMEDIATELY.
4. YARD INLETS, CATCH BASINS, ETC. – ALL DEBRIS AND FOREIGN MATERIALS SHALL BE REMOVED IMMEDIATELY.

**PERIODIC POND/SYSTEM MAINTENANCE**

1. CLEANING/SWEEPING OF PAVEMENT AREAS SHALL BE ACCOMPLISHED WEEKLY OR AS REQUIRED.
2. INSPECT POND PERIODICALLY FOR ACCUMULATION OF TRASH AND DEBRIS AND REMOVE IT UPON DISCOVERY.
3. MOWING AND LANDSCAPING MAINTENANCE SHOULD BE DONE ON A MONTHLY BASIS DURING THE ACTIVE GROWING SEASON FOR THE AREA. INSPECT AND MAINTAIN AS REQUIRED DURING THE GROWING SEASON.
4. WEEDS OR UNDESIRABLE GROWTH SHALL BE REMOVED UPON DISCOVERY.
5. CATCH BASINS SHALL BE FLUSHED AS NECESSARY (IF ANY).
6. THE OWNER SHALL RE-GRADE AND RE-STABILIZE SWALE/RETENTION/DETENTION AREAS AS REQUIRED TO MAINTAIN THE APPROVED DESIGN, CROSS-SECTION LINE, AND GRADE.
7. REMOVE SEDIMENT FROM POND WHEN ACCUMULATION REACHES FOUR (4) INCHES. MEASURE ACCUMULATION ONCE A YEAR.

**INSPECTIONS**

1. A MAINTENANCE INSPECTION MUST BE PERFORMED EVERY THIRD YEAR BY A REGISTERED PROFESSIONAL.
2. THE MAINTENANCE INSPECTION MUST BE DOCUMENTED ON THE FDP AND/OR NWFWMD STANDARD INSPECTION FORM 62-330.31(1).
3. THE INSPECTION MUST BE SIGNED, SEALED, AND DATED BY THE REGISTERED PROFESSIONAL. THE INSPECTION MUST BE CONDUCTED USING THE PLANS, CALCULATIONS AND SPECIFICATIONS APPROVED BY THE FDP AND/OR NWFWMD.

[illegible]

DRAWN BY	FEL
APPROVED BY	DBT
CHECKED BY	DBT
DATE	NOVEMBER 2020

TITLE

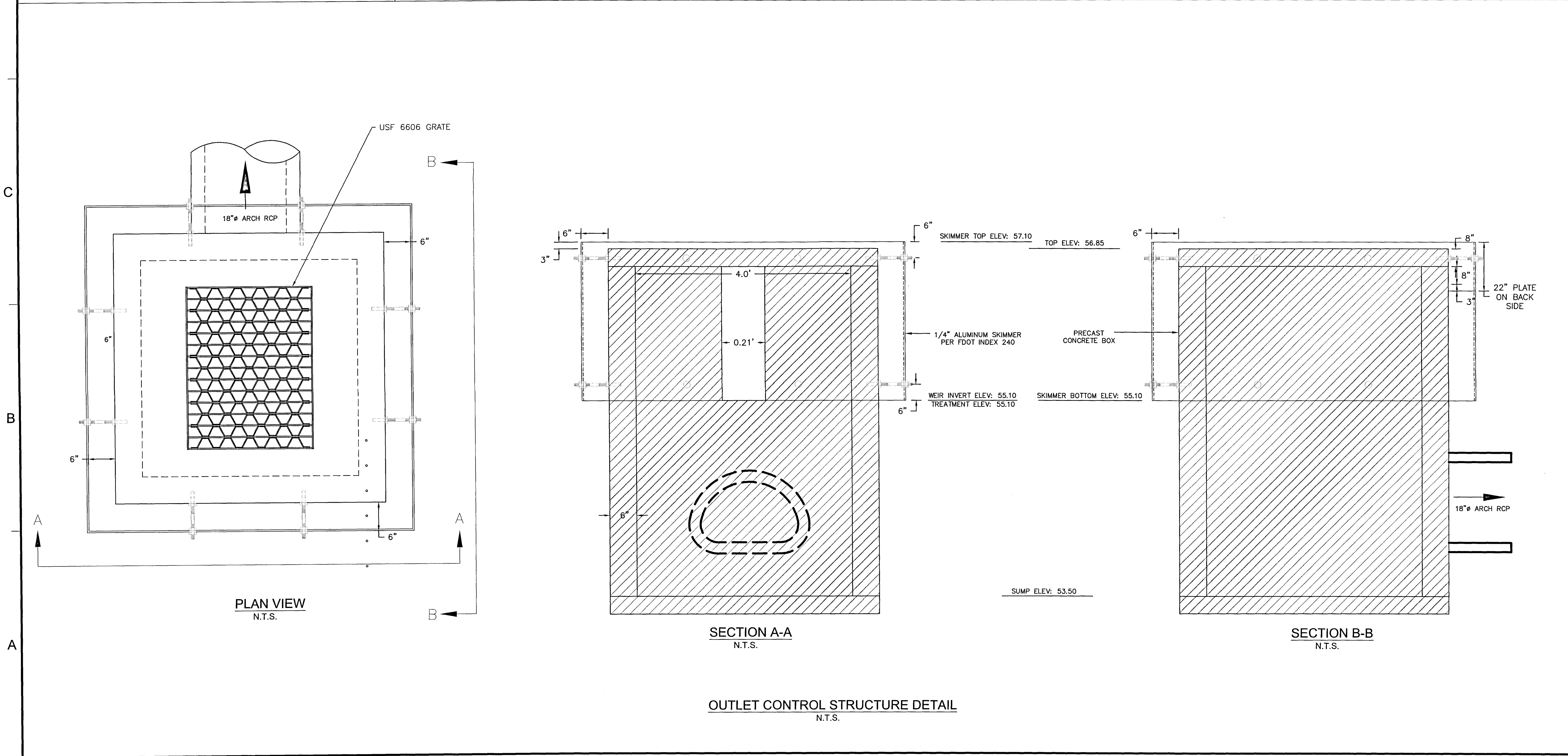
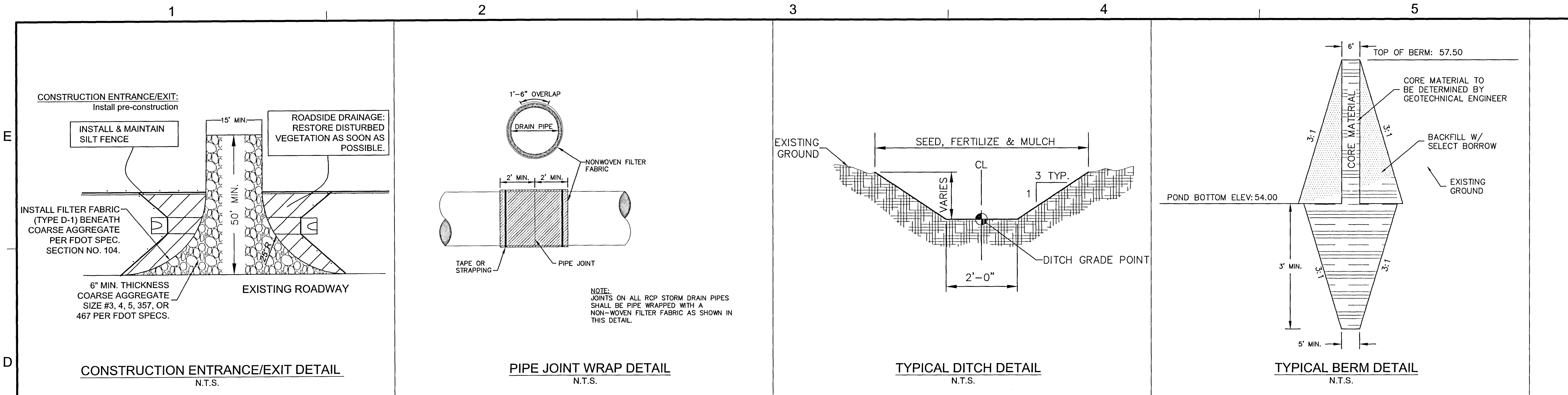
STORMWATER  
DETAIL SHEET

PROJECT NO.	50126846
-------------	----------

CG-102

SHEET NO. \_\_\_\_\_





**Dewberry**  
Dewberry Engineers Inc.  
139 East Government Street  
Pensacola, FL 32502

**FARM HILL UTILITIES  
WATER STORAGE TANK**  
CANTONMENT, FL  
ESCAMBIA COUNTY

SEAL  
DAVID B. TILLEY  
LICENSED PROFESSIONAL ENGINEER  
No. 86282  
August 2020  
FLORIDA  
STATE OF

EB 0008794

PRELIMINARY DESIGN  
NOT FOR CONSTRUCTION

SCALE

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY \_\_\_\_\_ FEL  
APPROVED BY \_\_\_\_\_ DBT  
CHECKED BY \_\_\_\_\_ DBT  
DATE \_\_\_\_\_ AUGUST 2020

TITLE  
**CIVIL DETAILS**

PROJECT NO. \_\_\_\_\_ 50126846

**CU-501**

SHEET NO. \_\_\_\_\_



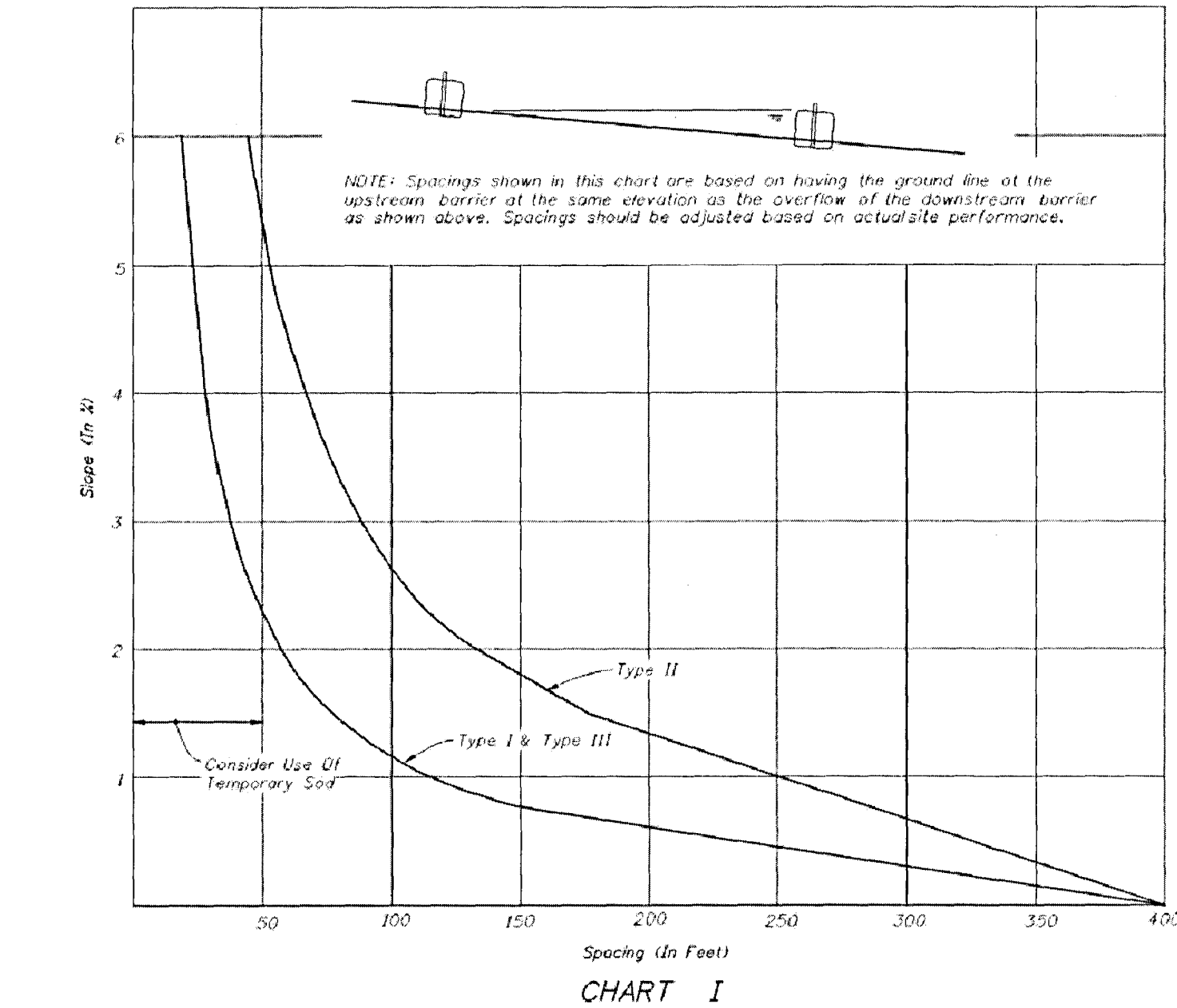
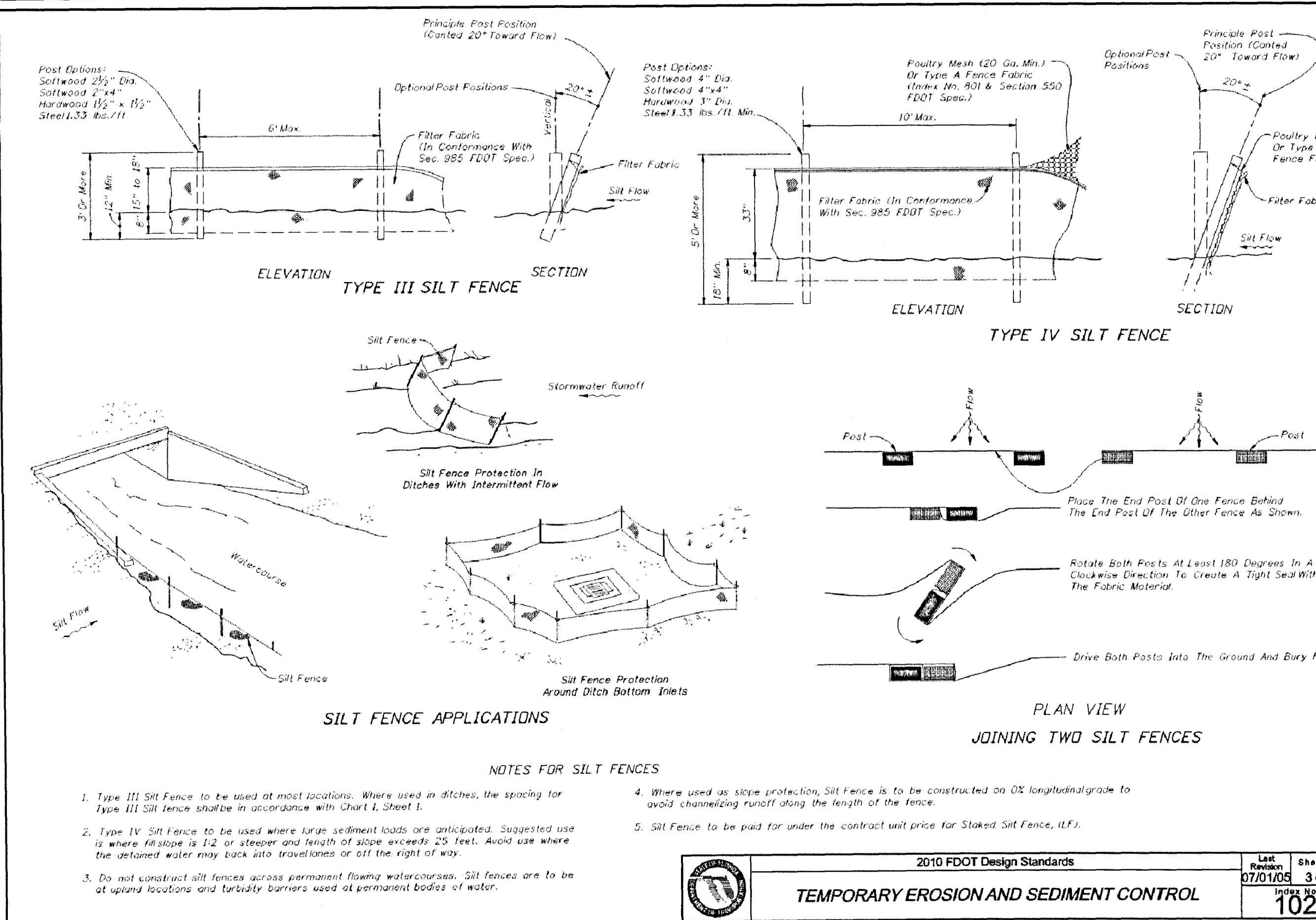
E

D

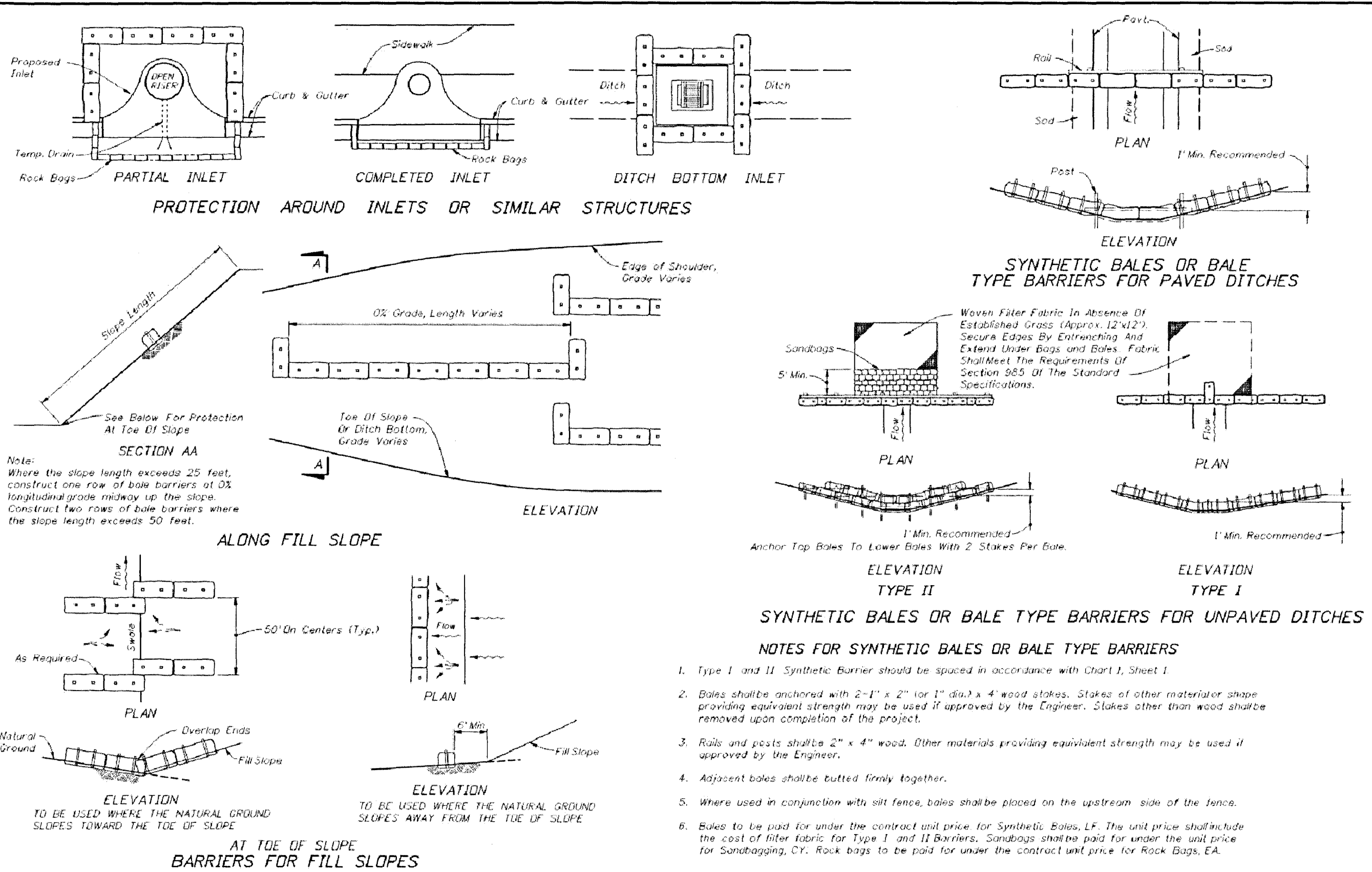
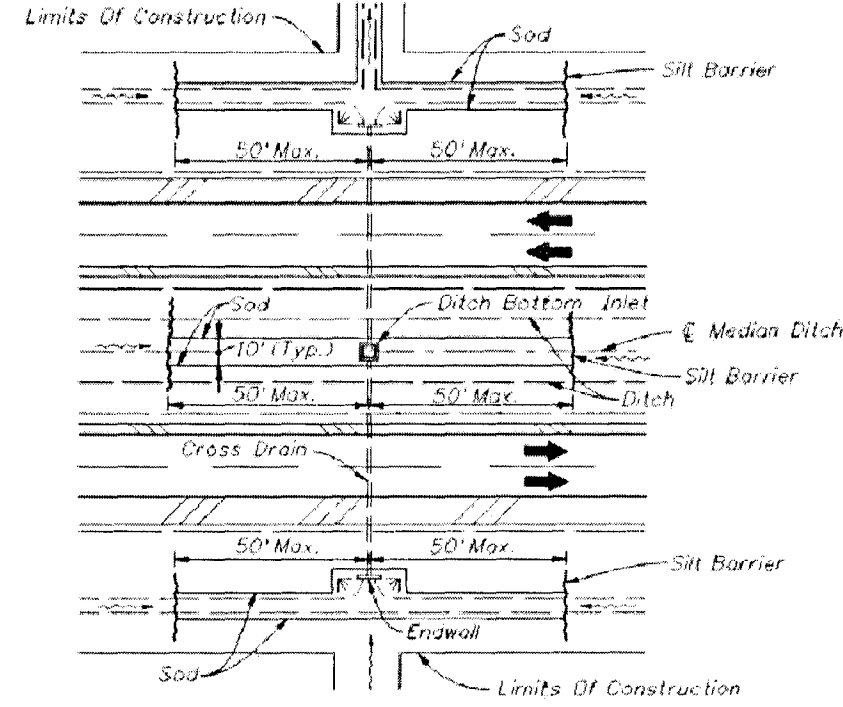
C

B

A



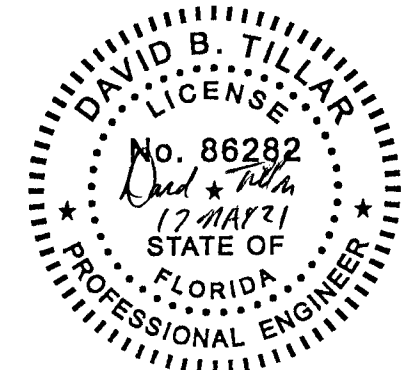
RECOMMENDED SPACING FOR SYNTHETIC BALES OR BALE TYPE BARRIERS AND TYPE III SILT FENCE



Dewberry Engineers Inc.  
139 East Government Street  
Pensacola, FL 32502

FARM HILL UTILITIES  
WATER STORAGE TANK  
CANTONMENT, FL  
ESCAMBIA COUNTY

SEAL



EB 0008794

PRELIMINARY DESIGN  
NOT FOR CONSTRUCTION

SCALE

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY	FEL
APPROVED BY	DBT
CHECKED BY	DBT
DATE	AUGUST 2020

TITLE

CIVIL DETAILS

PROJECT NO. 50126846

CU-502

SHEET NO.

