

PREPARED FOR:
CITY OF PORT WENTWORTH
7224 GA HIGHWAY 21
PORT WENTWORTH, GA 31407
STEVE DAVIS
STEVEDAVIS@CITYOFPORTWENTWORTH.COM

PREPARED BY:



J-23412.00Z
10/06/23
FORT WENI WORTH FIRE STATION

201403131442:2007-ENGINEERING-DRAWING-CONSTRUCTION-PLAN-SHEET-1 - FILE: STATION CONSTRUCTION PLAN-SHEET-1.DWG - 01.4.2013 - 10:48 AM

ABBREVIATIONS							
DBL	DOUBLE	FM	FORCE MAIN (SANITARY SEWER)	PC	POINT OF CURVE	TC	TOP OF CURB
BOT	BOTTOM	FP	FINISH PAD	PH	POST HYDRANT	TH	THROAT ELEVATION
CB	CATCH BASIN	FR	FRAME	PT	POINT OF TANGENT	TG	TOP OF GUTTER
CI	CURB INLET	GI	GRATE INLET	PVC	POLYVINYL CHLORIDE	TP	TOP OF PAVEMENT
CO	CLEAN OUT	GV	GATE VALVE	RCP	REINFORCED CONCRETE PIPE	TW	TOP OF WALK
CPP	CORRUGATED PLASTIC PIPE	HDPE	HIGH DENSITY POLYETHYLENE	RC	ROLL CURB INLET	TYP	TYPICAL
DBL	DOUBLE	HI	HOODED INLET	RCP	REINFORCED CONCRETE PIPE	VI	VALLEY INLET
DI	DITCH INLET	INV	INVERT ELEVATION	RI	ROOF INLET	W	WATER
DIP	DUCTILE IRON PIPE	JB	JUNCTION BOX	RJP	RESTRAINED JOINT PIPE	W/	WITH
EL	ELEVATION	LF	LINEAR FEET	R/W	RIGHT-OF-WAY	WV	WATER VALVE
ES	END SECTION	MAX	MAXIMUM	SD	STORM DRAINAGE	YI	YARD INLET
FES	FLARED END SECTION	MIN	MINIMUM	SDMH	STORM DRAINAGE MANHOLE	YI	YARD INLET
FG	FINISH GRADE	MH	MANHOLE	SF	SQUARE FEET		
FH	FIRE HYDRANT	OC	ON CENTER	SS	SANITARY SEWER		

DESCRIPTION	EXISTING	PROPOSED
GRAVITY PIPE	SS	
SINGLE SERVICE LATERAL		
DOUBLE SERVICE LATERAL		
MANHOLE		
CLEANOUT		
FORCEMAIN	10"FM	10"FM
VALVE AND BOX		
FLUSH HYDRANT		
REDUCER		
BACKFLOW PREVENTOR		
CROSS		
TEE		
90° BEND - HORIZONTAL		
45° BEND - HORIZONTAL		
22-½° BEND - HORIZONTAL		
11-¾° BEND - HORIZONTAL		
BEND - VERTICAL		
PLUG \ CAP		

DESCRIPTION	EXISTING	PROPOSED
PIPE		
DITCH		
CURB INLET (CI) CATCH BASIN (CB)		
CURB INLET - RIGHT (CI) OR CATCH BASIN - RIGHT (CB)	OR	OR
CURB INLET - LEFT (CI) OR CATCH BASIN - LEFT (CB)	OR	OR
CURB INLET - BOTH (CI) OR CATCH BASIN - LEFT (CB)	OR	OR
CONTROL STRUCTURE (CS)		
DITCH INLET (DI)		
GRATE INLET (GI)		
HOODED INLET (HI)	OR	OR
JUNCTION BOX (JB)		
MANHOLE (SDMH)		
ROLL CURB INLET (RC)		
ROOF INLET (RI)		
YARD INLET (YI)		
FLARED END SECTION (FES)		

DESCRIPTION	EXISTING	PROPOSED
WATER MAIN	10"W	10"W
SINGLE SERVICE LATERAL		
DOUBLE SERVICE LATERAL		
VALVE AND BOX		
FIRE HYDRANT W/VALVE & BOX		
POST HYDRANT		
REDUCER		
BACKFLOW PREVENTOR		
CROSS		
TEE		
90° BEND - HORIZONTAL		
45° BEND - HORIZONTAL		
22-½° BEND - HORIZONTAL		
11-¾° BEND - HORIZONTAL		
BEND - VERTICAL		
CAP		

DESCRIPTION	EXISTING
NATURAL GAS	UGG
TELEPHONE	OHT
UNDERGROUND TELEPHONE	UTL
ELECTRICITY	OHP
UNDERGROUND ELECTRICITY	UGP

GENERAL INFORMATION

COUNTY CHATHAM COUNTY
CITY PORT WENTWORTH
ZONING R-A

OWNER:
CITY OF PORT WENTWORTH
7724 GA HIGHWAY 21
PORT WENTWORTH, GA 31704
912.964.4379

ENGINEER:
THOMAS & HUTTON
50 PARK OF COMMERCE WAY
SAVANNAH, GA 31405
912.234.5300

SURVEYOR:
THOMAS & HUTTON
50 PARK OF COMMERCE WAY
SAVANNAH, GA 31405
912.234.5300

UTILITY:

WATER - CITY OF PORT WENTWORTH, (912) 964-4379
SEWER - CITY OF PORT WENTWORTH, (912) 964-4379
POWER - GEORGIA POWER, (912) 306-2162
GAS - ATLANTA GAS LIGHT COMPANY, (912) 239-6526
TELEPHONE - AT&T TELECOMMUNICATIONS, INC., (912) 964-7346
CATV - COMCAST COMMUNICATIONS, (912) 658-6976

GENERAL NOTES

- TOPOGRAPHIC AND BOUNDARY SURVEY INFORMATION PROVIDED BY THOMAS & HUTTON. ALL TOPOGRAPHIC INFORMATION IS BASED ON CONVENTIONAL SURVEY DATA. ELEVATIONS SHOWN ARE BASED ON NAVD 88, UNLESS OTHERWISE NOTED. COORDINATES AND DIRECTIONS SHOWN ARE BASED ON THE GEORGIA STATE PLANE, EAST ZONE, NAD83 COORDINATE SYSTEM.
- CONTRACTOR SHALL VERIFY THE SIZE, LOCATION, AND ELEVATION OF ALL EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION. CONTACT ENGINEER IMMEDIATELY WITH ANY DISCREPANCIES.
- IF WORK IS SUSPENDED OR DELAYED FOR 14 DAYS, THE CONTRACTOR SHALL TEMPORARILY STABILIZE THE DISTURBED AREA AT NO ADDITIONAL COST TO THE OWNER.
- CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH LOCAL UTILITY PROVIDERS BEFORE WORK COMMENCES. VERIFY UTILITIES WITHIN THE PROJECT LIMITS AND NOTIFY THE ENGINEER OF CONFLICTS OR VARIANCES TO THE PLANS PRIOR TO BEGINNING WORK OR PURCHASE OF MATERIALS.
- THE CONTRACTOR WILL NOTIFY THE ENGINEER IF UNSUITABLE MATERIAL IS DISCOVERED PRIOR TO BEGINNING ANY REMOVAL OPERATION.
- CONTRACTOR IS RESPONSIBLE FOR ALL NECESSARY BRACING, SHEETING AND DEWATERING TO COMPLETE THE PROJECT, PROTECT THE CONSTRUCTION WORKERS AND ALL ADJACENT STRUCTURES, TREES, LANDSCAPING, AND IS RESPONSIBLE FOR ALL REPAIR AND COST TO RETURN AREA TO ORIGINAL CONDITION.
- ALL UTILITY POLES ADJACENT TO PROPOSED CONSTRUCTION MUST BE SECURED PRIOR TO ANY ADJACENT DISTURBANCE AND THE CONSTRUCTION PROCEDURE MUST BE ACCEPTABLE TO THE UTILITY COMPANY.
- CONTRACTOR TO DESIGN AND PROVIDE PLAN FOR SECURING POLES TO THE CITY AND UTILITY PROVIDER FOR APPROVAL.
- CONTROL OF STORMWATER THROUGHOUT THE CONSTRUCTION PERIOD, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE EXISTING DRAINAGE CONVEYANCES SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD. ALL PENALTIES, CLAIMS AND FEES IMPOSED ON THE OWNER AS A RESULT OF DAMAGE CAUSED BY ACTIONS OF THE CONTRACTOR, THEIR EMPLOYEES OR SUBCONTRACTORS SHALL BE BORNE IN FULL BY THE CONTRACTOR.
- ALL SUITABLE MATERIAL EXCAVATED SHALL BE USED ON SITE. ANY EXCESS MATERIAL SUITABLE OR UNSUITABLE SHALL BE DISPOSED OF OFF-SITE AT THE CONTRACTOR'S EXPENSE.
- IT IS THE OBLIGATION OF THE CONTRACTOR TO MAKE THEIR OWN INTERPRETATION OF ALL SURFACE AND SUBSURFACE DATA AVAILABLE AS TO THE NATURE AND EXTENT OF THE MATERIALS TO BE EXCAVATED, WASTED, GRADED, AND COMPACTED. THE INFORMATION SHOWN ON THESE PLANS IN NO WAY GUARANTEES THE AMOUNT OR NATURE OF THE MATERIAL TO BE ENCOUNTERED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL DEVICES AND MEASURES AS NECESSARY TO MEET THE REQUIREMENTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN TO OWNER FOR REVIEW AND ACCEPTANCE PRIOR TO STARTING CONSTRUCTION.
- ALL WORK SHALL CONFORM TO APPLICABLE STATE, COUNTY AND MUNICIPAL REQUIREMENTS AND CODES.
- THE CONTRACTOR SHALL COORDINATE DEMOLITION AND IMPROVEMENTS TO MINIMIZE TRAFFIC INTERFERENCE AND OPERATIONS OF FACILITIES.
- ALL CONSTRUCTION DEBRIS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN AN ACCEPTABLE WASTE DISPOSAL AREA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSAL OF ALL CONSTRUCTION DEBRIS.
- ALL STORM DRAIN JOINTS ARE TO BE WRAPPED IN FILTER FABRIC.
- THE CONTRACTOR SHALL NOT BEGIN CONSTRUCTION UNTIL THE PROPER PERMITS HAVE BEEN ISSUED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION ACTIVITIES AND FOR AVOIDING ALL CONFLICTS WITH SAME. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR.
- ALL MANHOLE TOPS ARE APPROXIMATE. THE CONTRACTOR SHALL DETERMINE AND SET MANHOLE TOPS RELATIVE TO FINISHED GRADES AS SHOWN ON THE DETAIL.
- CONTACT THE ONE CALL LOCATE LINE AT 1-800-282-7411 A MINIMUM OF SEVENTY-TWO (72) HOURS PRIOR TO DIGGING FOR LOCATION OF CITY WATER AND SEWER LINES, AND OTHER UTILITIES.
- TREE PROTECTION BARRICADES, IF REQUIRED, SHALL BE INSTALLED PRIOR TO ANY CLEARING ACTIVITY AND MAINTAINED UNTIL INSTRUCTED BY THE OWNER OR ENGINEER TO REMOVE THEM.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEARING AND GRUBBING OF UTILITY EASEMENTS AS REQUIRED TO INSTALL THE IMPROVEMENTS AS SHOWN ON THE PLANS.
- CONTRACTOR WILL BE RESPONSIBLE FOR COORDINATION OF, AND FEES RELATED TO THE CITY OF PORT WENTWORTH ON VIDEO OF UNDERGROUND SANITARY SYSTEMS, AS WELL AS FOR THE UNDERGROUND STORM SYSTEM.
- DURING INSTALLATION, WHEN PIPE LAYING IS NOT IN PROGRESS, A MECHANICAL JOINT PLUG OR CAP, OR ACCEPTED EQUIVALENT WILL BE USED TO FORM A WATERTIGHT SEAL AT BOTH ENDS OF THE LINE BEING LAID.
- DISCHARGE OF HIGHLY CHLORINATED WATER INTO SURROUNDING AREAS OR STORM DRAINAGE SYSTEM IS PROHIBITED. DISPOSAL OF HIGHLY CHLORINATED WATER SHALL COMPLY WITH THE REQUIREMENTS OF GEORGIA E.P.D. AND AWWA STANDARD C651, LATEST REVISION. IF REQUIRED BY THE ENGINEER, A REDUCING AGENT SHALL BE USED TO NEUTRALIZE THE CHLORINE.
- CONTRACTOR NEEDS TO OBTAIN A RIGHT OF WAY PERMIT PRIOR TO PERFORMING CONSTRUCTION ACTIVITIES IN CITY'S RIGHT OF WAY.
- CITY OF PORT WENTWORTH HAS THE RIGHT TO ALWAYS ACCESS THE PROPERTY TO INSPECT STORMWATER FACILITIES.
- THE WATER SERVICE LATERAL SERVING THE FACILITY SHALL BE INSTALLED BY THE DEVELOPER / CONTRACTOR FROM THE WATER MAIN TO METERS. THE CITY OF PORT WENTWORTH WILL ONLY MAKE A WET TAP. THE CITY WILL NOT INSTALL THE WATER SERVICE LATERAL.
- ALL WATER USED FOR CONSTRUCTION SHALL BE METERED THROUGH AN ACCEPTABLE BACKFLOW PREVENTION DEVICE AND FIRE HYDRANT METER OBTAINED FROM THE CITY OF PORT WENTWORTH'S CONVEYANCE AND DISTRIBUTION DEPARTMENT.
- ALL CONSTRUCTION MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE TO THE CITY OF PORT WENTWORTH'S LATEST CONSTRUCTION SPECIFICATIONS AND DETAILS.
- AN ACCEPTABLE WATER SUPPLY FOR FIRE PROTECTION, EITHER TEMPORARY OR PERMANENT, SHALL BE MADE AVAILABLE AS SOON AS COMBUSTIBLE MATERIAL ARRIVES ON SITE.
- ALL MATERIALS USED WHICH COME INTO CONTACT WITH DRINKING WATER DURING ITS DISTRIBUTION SHALL NOT ADVERSELY AFFECT DRINKING WATER QUALITY AND PUBLIC HEALTH AND MUST BE CERTIFIED TO CONFORMANCE WITH AMERICAN NATIONAL STANDARDS INSTITUTE/NATIONAL SANITATION FOUNDATION STANDARD 61 (ANSI/NF STANDARD 61).
- IN ALL WATER LINE PROJECTS, CARE WILL BE TAKEN TO KEEP INTERIOR OF WATER PIPE CLEAN PRIOR TO CONNECTION TO THE CITY SYSTEM. THIS WILL BE ACCOMPLISHED BY STRICT ADHERENCE TO FOLLOWING CITY SPECIFICATIONS:
 - PIPE, FITTINGS, VALVES AND OTHER ACCESSORIES SHALL, UNLESS OTHERWISE DIRECTED, BE UNLOADED AT THE POINT OF DELIVERY, AND STORED WHERE THEY WILL BE PROTECTED AND WILL NOT BE HAZARDOUS TO TRAFFIC. THEY SHALL AT ALL TIMES BE HANDLED WITH CARE TO AVOID DAMAGE. THE INTERIOR OF ALL PIPE, FITTINGS AND OTHER ACCESSORIES SHALL BE KEPT FREE FROM DIRT AND FOREIGN MATTER AT ALL TIMES.
 - ANY DEFECTIVE, DAMAGED, OR UNSOUND PIPE SHALL BE REJECTED. ALL FOREIGN MATTER OR DIRT SHALL BE REMOVED FROM THE INSIDE OF THE PIPE BEFORE IT IS LOWERED INTO ITS POSITION IN THE TRENCH AND SHALL BE KEPT CLEAN BY ACCEPTABLE MEANS DURING AND AFTER LAYING. CARE SHALL BE TAKEN TO PREVENT DIRT FROM ENTERING THE JOINT SPACE. DURING INSTALLATION, WHEN PIPE LAYING IS NOT IN PROGRESS, A MECHANICAL JOINT PLUG OR CAP, OR ACCEPTED EQUIVALENT, WILL BE USED TO FORM A WATER TIGHT SEAL AT BOTH ENDS OF THE LINE BEING LAID AND NO TRENCH WATER SHALL BE PERMITTED TO ENTER THE PIPE.
 - CLEAN THE INTERIORS OF ALL PIPE BY BRUSHING, SWABBING OR WASHING OUT OF ALL DIRT BEFORE LAYING.
 - FLUSH THE NEW PIPE LINES UNTIL THE WATER RUNS CLEAR AT THE END OF ALL MAINS AND LATERALS. THIS SHOULD BE DONE AFTER THE PRESSURE TEST AND BEFORE DISINFECTION. SPECIFY MINIMUM FLUSH TIME AND VELOCITY (2.5 FEET PER SECOND) WHICH ARE NECESSARY TO PURGE THE LINE OF ANY FOREIGN MATERIAL.
- ALL OF THE CITY OF PORT WENTWORTH MAINTAINED DRAINAGE PIPE SYSTEM WITHIN PROJECT LIMITS SHALL BE CLEANED, TELEVISED, AND TAPED AFTER CONSTRUCTION. IN CASE ANY OF THESE PIPES NEED TO BE REPAIRED, RE-VIDEO TAPE SHALL BE SUBMITTED TO THE CITY OF PORT WENTWORTH FOR REVIEW.
- ALL PAVEMENT MARKINGS IN THE RIGHT-OF-WAY ARE TO BE THERMOPLASTIC, ALL SIGNS IN THE RIGHT-OF-WAY ARE TO BE HIGH INTENSITY OR DIAMOND GRADE.
- A MINIMUM VERTICAL SEPARATION OF 18" SHALL BE MAINTAINED AT ALL UTILITY CROSSINGS.
- CONTRACTOR AND SUBCONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE AND LOCAL LAWS, CODES AND ORDINANCES APPLICABLE TO THE WORK.
- LOADING, UNLOADING AND STORAGE OF CONSTRUCTION MATERIAL AND EQUIPMENT, SHALL NOT BE DONE ON PUBLIC RIGHT OF WAY WITHOUT PRIOR APPROVAL BY THE CITY OF PORT WENTWORTH.
- CONTRACTOR SHALL INSTALL TEMPORARY CONSTRUCTION FENCING AROUND PERIMETER OF SITE PRIOR TO COMMENCEMENT OF ANY WORK. CONTRACTOR SHALL ADJUST FENCE LOCATION AS REQUIRED FOR COMPLETION OF WORK. FENCE RELOCATION REQUIRED FOR CONSTRUCTION SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO ADDITIONAL PAYMENT SHALL BE MADE. TEMPORARY CONSTRUCTION FENCE SHALL BE AN 8' HIGH CHAIN LINK FENCE.
- AS-BUILT DRAWINGS (RECORD DRAWINGS) SHALL BE SUBMITTED TO THE CITY OF PORT WENTWORTH ENGINEERING DEPARTMENT AS REQUIRED BY THE WATER AND SEWER PRIVATE DEVELOPMENT PROJECTS CLOSEOUT POLICY. THE SIZE OF THE DRAWINGS SHALL BE 24" X 36". AS-BUILT DRAWINGS SHALL HAVE A COORDINATE SYSTEM BASED ON THE GEORGIA STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (NAD 83), WITH SUB-METER ACCURACY. ELEVATIONS SHOWN SHALL BE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). ALL MEASUREMENTS AND COORDINATES SHOWN SHALL USE THE U.S. SURVEY FOOT DEFINITION. COORDINATES SHALL BE SHOWN ON ALL DRAINAGE STRUCTURES, DETENTION FACILITIES, MANHOLES, VALVES, FIRE HYDRANTS, TEES AND BENDS.
- CRANE LOCATIONS WILL NEED TO BE APPROVED AS PART OF THE CITY'S RIGHT OF WAY PERMIT PROCESS.

NO.	REVISIONS	BY	DATE



BID SET - NOT FOR CONSTRUCTION



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Savannah, GA 31405 • 912.234.5300
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GENERAL NOTES AND LEGENDS

PORT WENTWORTH FIRE STATION

PROJECT LOCATION:
HIGHWAY 30
PORT WENTWORTH, GA 31407

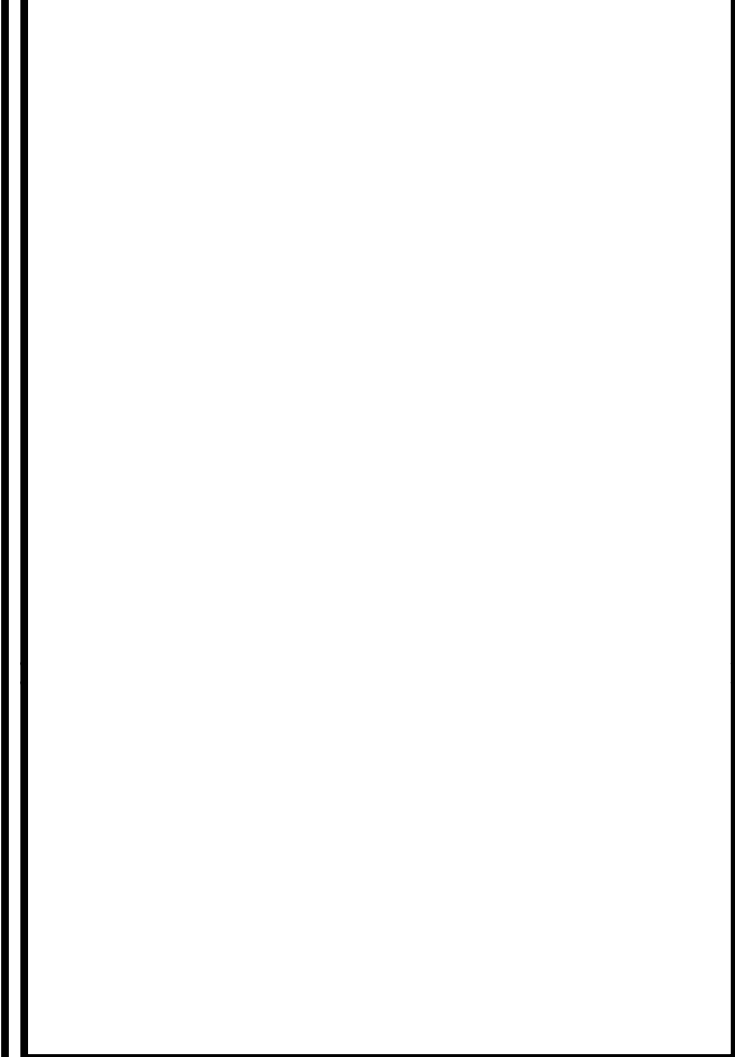
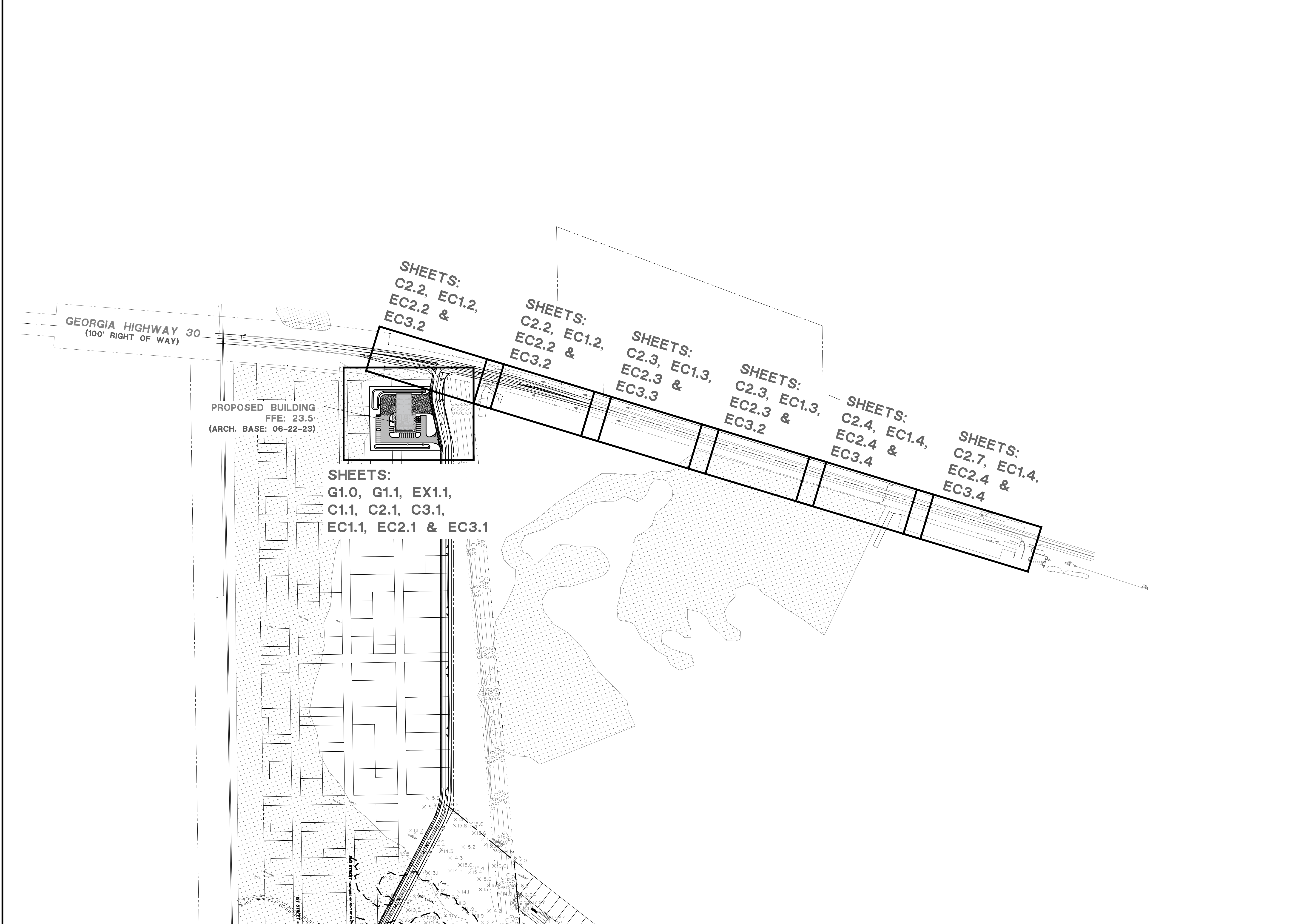
CLIENT/OWNER:
CITY OF PORT WENTWORTH
7724 GA HIGHWAY 21
PORT WENTWORTH, GA 31407
STEVE DAVIS
stevedavis@cityofportwentworth.com

DATUM: HORIZ.: NAD83 VERT.: NAVD88

JOB NO: 25412.0029
DATE: 10/06/23
DRAWN: KHT
DESIGNED: MRE
REVIEWED: JVG
APPROVED: JVG
SCALE:

G0.1





NO.	REVISIONS	BY	DATE

BID SET - NOT FOR CONSTRUCTION

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SHEET INDEX

PORT WENTWORTH FIRE STATION

PROJECT LOCATION:
HIGHWAY 30
PORT WENTWORTH, GA 31407

CLIENT/OWNER:
CITY OF PORT WENTWORTH
7224 GA HIGHWAY 21
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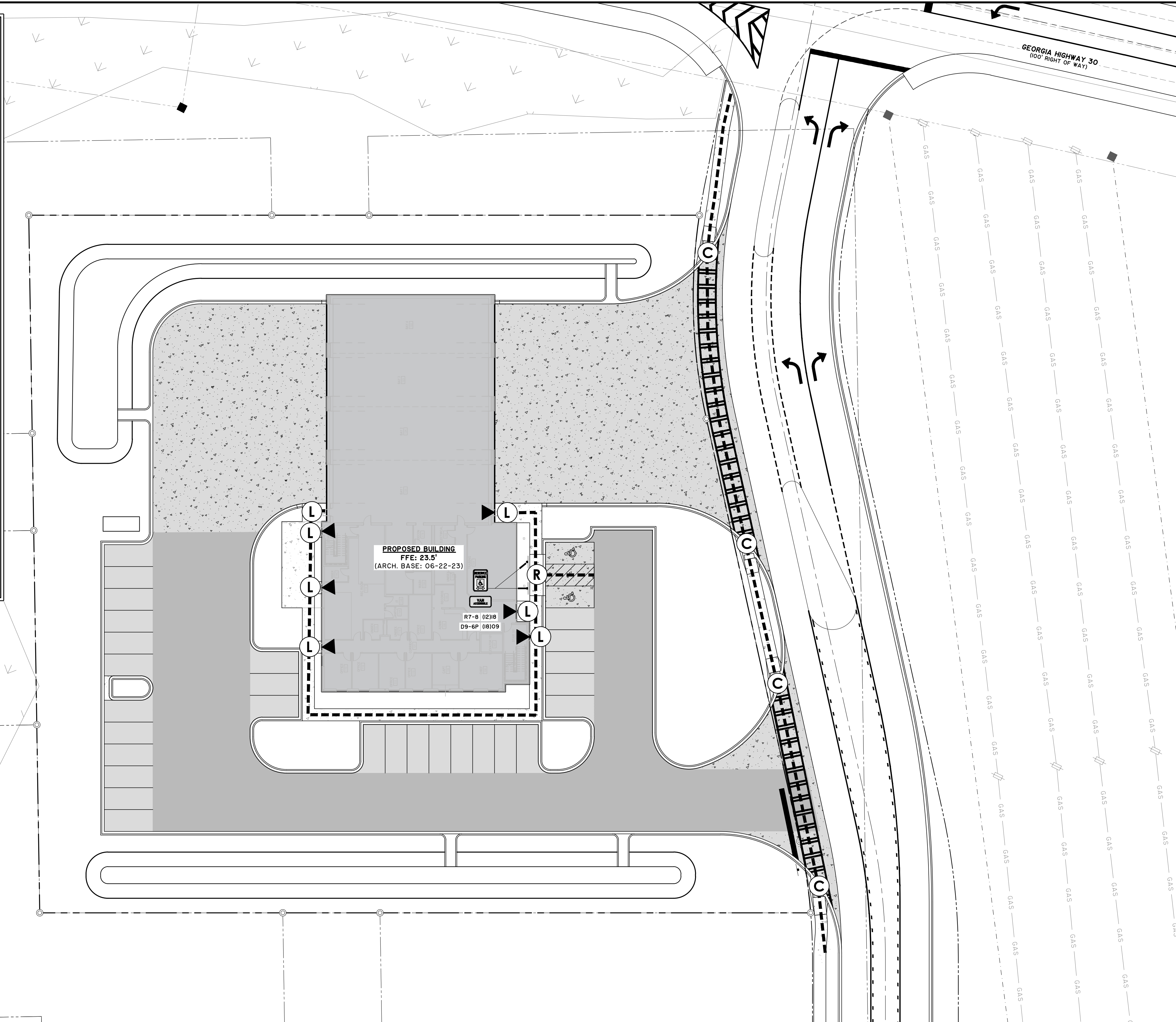
DATUM: HORIZ.: NAD83 VERT.: NAVD88

JOB NO: 25412.0029	G1.0
DATE: 10/06/23	
DRAWN: KHT	
DESIGNED: MRE	
REVIEWED: JVG	
SCALE: 1" = 200'	

25.31407.25402.0029 SUBMITTING DRAWINGS FOR REVIEW AND APPROVAL - 10/6/2023 - 10:00 AM

NOTES

1. ACCESSIBLE ROUTE - EXTERIOR:
MINIMUM CLEAR WIDTH IS 3'. IF ACCESSIBLE ROUTE HAS LESS THAN 5' CLEAR WIDTH, THEN PASSING SPACES AT LEAST 5'X5' SHALL BE LOCATED EVERY 200' OR LESS (INTERSECTING SIDEWALKS MEET THIS REQUIREMENT). LONGITUDINAL (RUNNING) SLOPE MAY NOT EXCEED 5% UNLESS RAMP IS INSTALLED (RAMPS MAY NOT EXCEED 8.33%). CROSS SLOPE MAY NOT EXCEED 2%. GAPS IN ROUTE MAY NOT EXCEED 1/2" IN WIDTH.
2. FINISHED SURFACE HEIGHT DIFFERENCE REQUIREMENTS
A. 0 TO 1/4" : NO REQUIREMENTS
B. 1/4" TO 1/2" : BEVEL WITH 1:2 SLOPE
C. LARGER THAN 1/2" : CONFORM TO REQUIREMENTS FOR RAMP
3. RAMPS
A. MAX RAMP SLOPE 8.33% (1:12)
B. RAMPS STEEPER THAN 8.33% ARE NOT ACCEPTABLE.
C. MAX RISE FOR ANY RAMP RUN IS 30" (AT 8.33% SLOPE, MAXIMUM RUN OF RAMP IS 30').
D. MAX CROSS SLOPE OF RAMP 2% (1:50)
4. HANDRAILS:
A. REQUIRED ON BOTH SIDES (MIN. 36" CLEAR BETWEEN HANDRAILS) WHEN RAMP RISE IS GREATER THAN 6".
B. PROVIDE MINIMUM 12" LONG HANDRAIL EXTENSIONS AT TOP AND BOTTOM LANDINGS.
C. PROVIDE MINIMUM 2" HIGH EDGE PROTECTION OR RAIL WITH LESS THAN 4" CLEAR TO RAMP IF RAMP HAS DROP-OFFS.
D. ROUTES BETWEEN BUILDINGS WITH ONLY DWELLING UNITS DO NOT HAVE TO HAVE HANDRAILS.
E. STAIRS NOT ALLOWED AS PART OF ACCESSIBLE ROUTE BUT IF ADJACENT TO ROUTE OR PART OF TENANT SPACE MUST MEET REQUIREMENTS FOR STAIR RAILS.
5. LANDINGS
A. RAMPS SHALL HAVE LEVEL LANDINGS AT BOTTOM AND TOP OF EACH RAMP.
B. LANDING SHALL BE AT LEAST AS WIDE AS RAMP LEADING TO IT.
C. LANDING LENGTH SHALL BE MINIMUM 5' CLEAR.
D. IF RAMPS CHANGE DIRECTION AT LANDING, MINIMUM LANDING SIZE SHALL BE 5'X5'.
E. ALL LANDINGS ARE TO BE NO MORE THAN 2% SLOPE IN ANY DIRECTION.
6. CURB AND SIDEWALK RAMPS
E. MAX SLOPE OF CURB RAMPS 8.33%.
F. MAX SLOPE OF SIDE FLARES 10%.
G. MAX SLOPE OF ADJOINING GUTTERS, ROAD SURFACE, OR ACCESSIBLE ROUTE 5%.
H. MIN WIDTH 36" (NOT INCLUDING SIDE FLARES).
I. DETECTABLE WARNING IS REQUIRED ON CURB RAMPS IN PUBLIC RIGHTS OF WAY, AND SHALL BE 24" MINIMUM IN THE DIRECTION OF TRAVEL AND EXTEND THE FULL WIDTH OF THE CURB RAMP OR FLUSH SURFACE. DETECTABLE WARNINGS SHALL BE LOCATED SO THE EDGE NEAREST THE CURB LINE IS 6" TO 8" FROM THE CURB LINE.
7. PAVEMENT MARKINGS
AS REQUIRED BY LOCAL JURISDICTIONAL AUTHORITY (RECOMMENDED CROSSWALK MARKING TO DESIGNATE ACCESSIBLE PEDESTRIAN ROUTE)
8. PARKING SPACES
A. MINIMUM 8' WIDE ACCESSIBLE PARKING SPACE
B. MINIMUM 5' WIDE ACCESS AISLE AT STANDARD SPACES
C. MINIMUM 8' WIDE ACCESS AISLE AT VAN ACCESSIBLE SPACES
D. MAXIMUM 2% (1:50) SLOPE IN ANY DIRECTION
9. ACCESSIBLE ROUTES
MUST COMPLY WITH ADA, THE FAIR HOUSING ACT AND ICC/ANSI A117J-2009.



LEGEND:

- ACCESSIBLE ROUTE
- ▲ ACCESSIBLE BUILDING ENTRANCE
- (L) LANDING
- (C) CURB RAMP
- (R) RAMP

NO.	REVISIONS	BY	DATE



BID SET - NOT FOR CONSTRUCTION



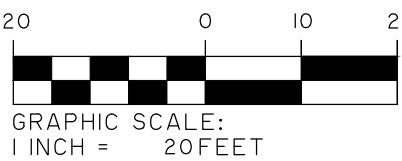
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SITE ACCESSIBILITY PLAN

PORT WENTWORTH FIRE
STATION

PROJECT LOCATION:
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PORT WENTWORTH, GA 31407

CLIENT/OWNER:
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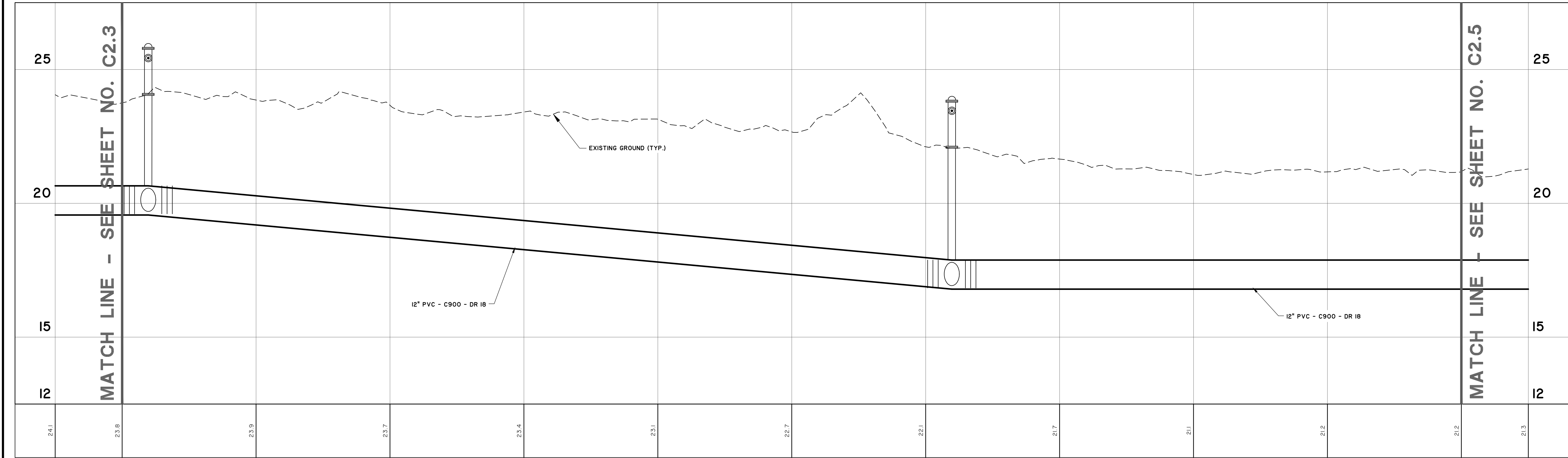
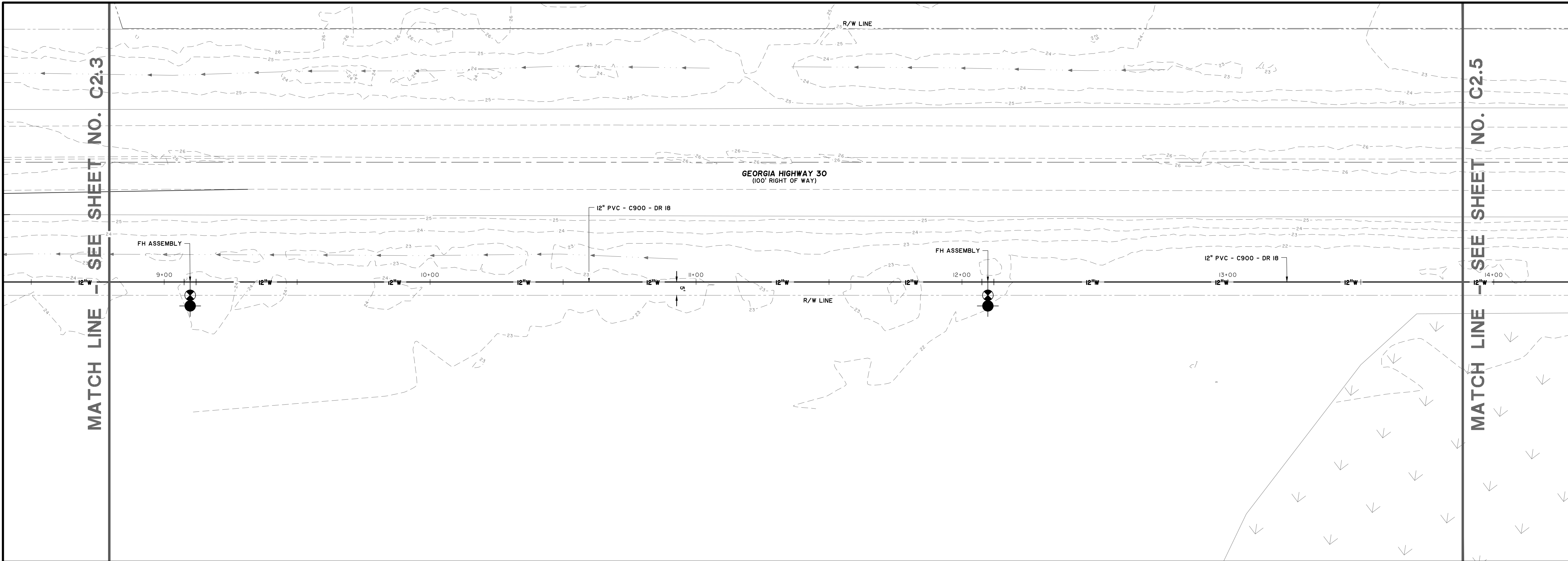
DATUM: HORIZ.: NAD83

VERT.: NAVD86

JOB NO: 25412.0029
DATE: 10/06/23
DRAWN: KHT
DESIGNED: MRE
REVIEWED: JVG
APPROVED: JVG
SCALE: 1" = 20'

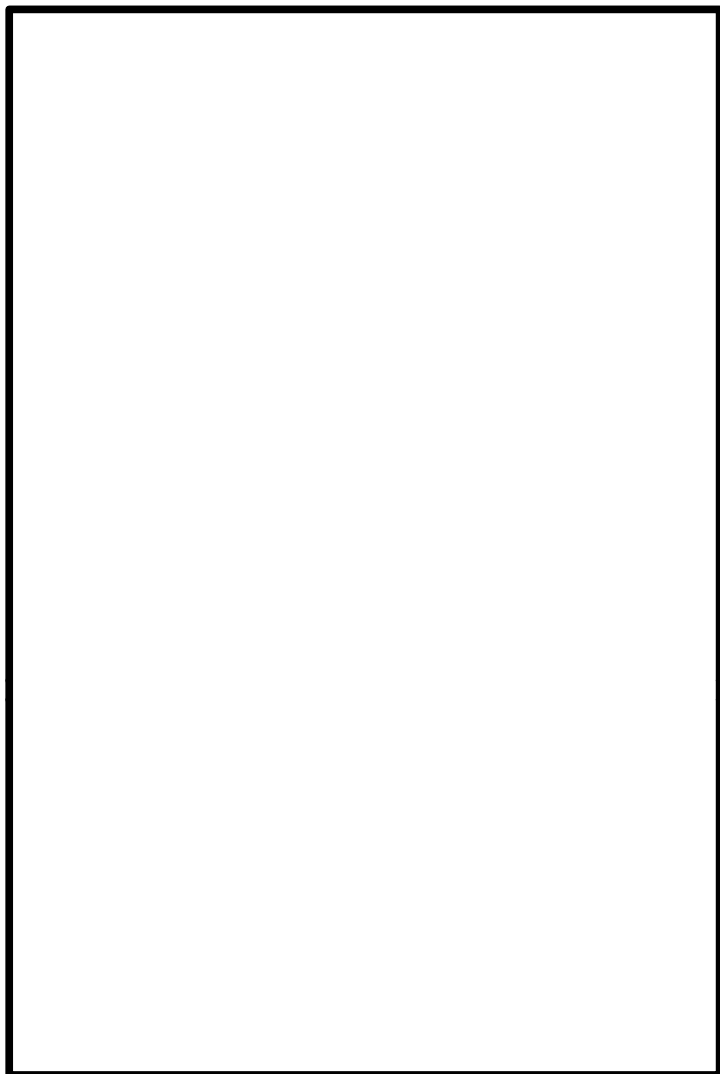
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25412.0029 - WATER MAINS CONSTRUCTION PLANS - 01.6.2023 - 02.2 AM



NOTE:
CONTRACTOR TO MAINTAIN A MINIMUM OF 3' AND MAXIMUM OF 5'
OF COVER OVER WATER MAIN UNLESS NOTED OTHERWISE

25412.0029 - Water (HWY 30) - Run 1
STATIONS: 8+75 - 14+25
SCALE: HORZ.: 1" = 20'
VERT.: 1" = 2'



NO.	REVISIONS	BY	DATE



BID SET - NOT FOR CONSTRUCTION



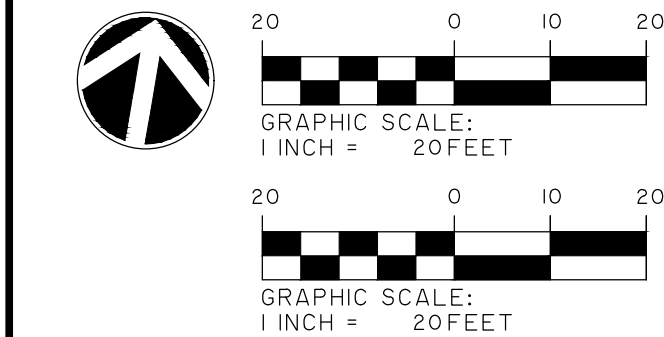
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WATER AND PROFILE PLAN

PORT WENTWORTH FIRE
STATION

PROJECT LOCATION:
HIGHWAY 30
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CLIENT/OWNER:
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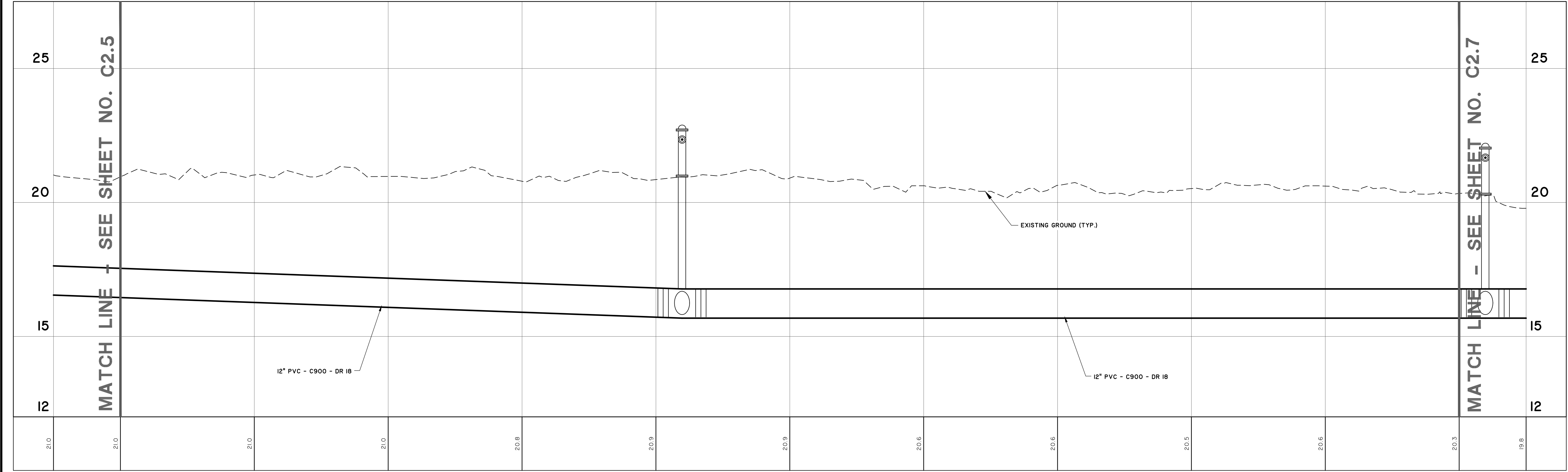
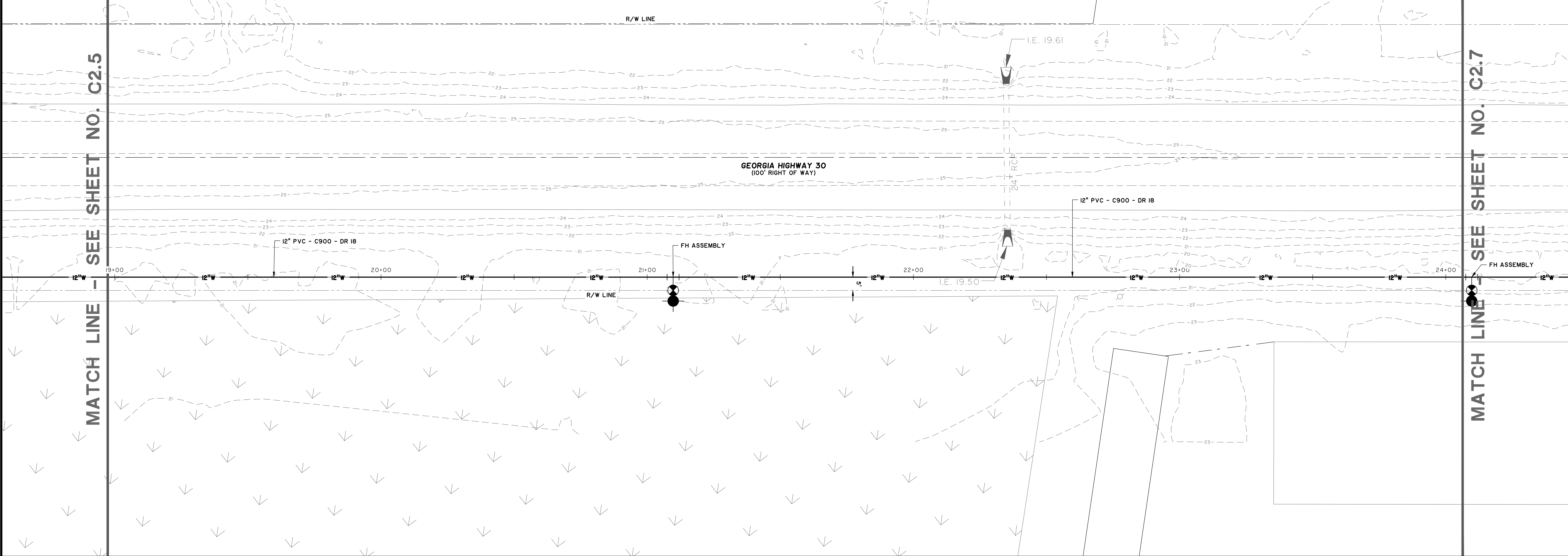


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REVIEWED: JVG
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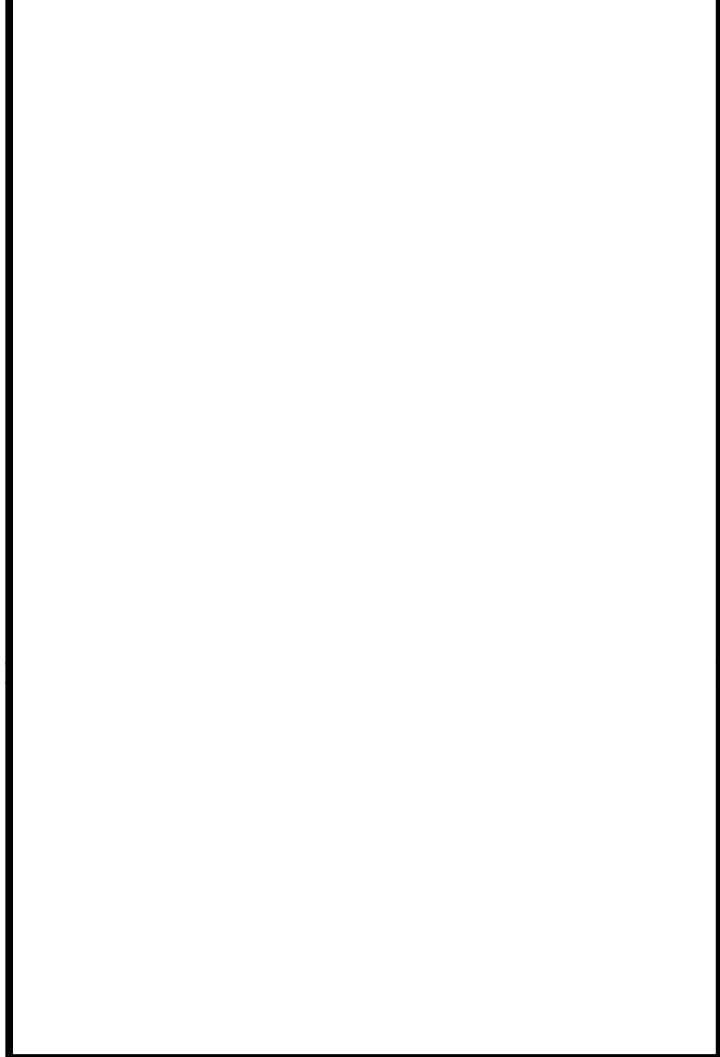
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25412.0029 - WATER MAINS CONSTRUCTION PLANS PHASE 1 - FIRE STATION CONSTRUCTION PLANS 2407 2025 10/16/2025 10:22 AM



NOTE:
CONTRACTOR TO MAINTAIN A MINIMUM OF 3' AND MAXIMUM OF 5'
OF COVER OVER WATER MAIN UNLESS NOTED OTHERWISE

25412.0029 - Water (HWY 30) - Run 1
STATIONS: 18+75 - 24+25
SCALE: HORZ.: 1" = 20'
VERT.: 1" = 2'



NO.	REVISIONS	BY	DATE

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WATER AND PROFILE PLAN

PORT WENTWORTH FIRE STATION

PROJECT LOCATION:
HIGHWAY 30
PORT WENTWORTH, GA 31407

CLIENT/OWNER:
CITY OF PORT WENTWORTH
7224 GA HIGHWAY 21
PORT WENTWORTH, GA 31407
STEVE DAVIS
stevedavis@cityofportwentworth.com

GRAPHIC SCALE:
1 INCH = 20 FEET

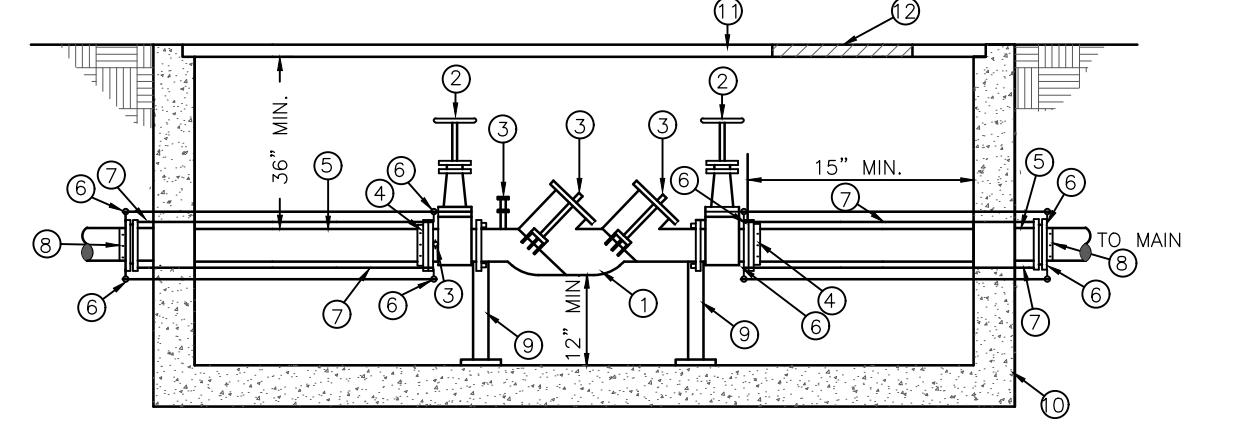
GRAPHIC SCALE:
1 INCH = 20 FEET

DATUM: HORIZ.: NAD83 VERT.: NAVD88

JOB NO: 25412.0029
DATE: 10/06/23
DRAWN: KHT
DESIGNED: MRE
REVIEWED: JVG
SCALE: 1" = 20'

C2.6

2/25/2007 2:54:02 PM C:\WORK\DWG\DWG\DWG\CONSTRUCTION PLANS\25412.DWG - 1 - PREPARED BY STEVENSON & PALMER ENGINEERING, INC. DATE: 2/25/2007 2:54:02 PM




ITEM	QUAN.	DESCRIPTION
1	1	DOUBLE CHECK VALVE ASSEMBLY
2	2	NON-RISING RESILIENT SEAT GATE VALVES
3	4	TEST COCKS
4	2	COMPANION FLANGE
5		DUCTILE IRON PIPE, CUT TO FIT
6	8	CARBON STEEL EYE BOLTS
7		3/4" GALV. ALL THREAD ROD
8		MEGA LUG OR EQUIVALENT FOR DUCTILE PIPE
9	2	2" SCH. 40 GALV. PIPE STAND & BASE BOLTED TO FLANGE
10		PIT-CEMENT BLOCK, POURED CONCRETE, OR PREFABRICATED BOX PER CITY SPECS.
11		3/8" ALUM. FLOOR PLATE / HATCH COVER W/ FLUSH HANDLE
12		2' X 2' MIN. HATCH

NOTE:

- FOR FINAL APPROVAL, ASSEMBLY MUST BE CENTERED IN ENCLOSURE (IF APPLICABLE), UNDER NO CONDITION WILL ANY CONNECTION BE ALLOWED BETWEEN THE SERVICE METER AND A BACKFLOW PREVENTER USED FOR SYSTEM CONTAINMENT. BACKFLOW PREVENTER SHALL ALWAYS BE INSTALLED DOWNSTREAM OF METER.
- IF A PRESSURE MONITOR IS TO BE INSTALLED, ADD A TEE, VALVE, FITTINGS, AND MOUNT ON SUPPLY SIDE PRIOR TO BACKFLOW PREVENTION DEVICE; UNDER NO CIRCUMSTANCE, SHALL TEST PORTS BE MODIFIED OR UTILIZED FOR THIS OR OTHER APPLICATION, OTHER THAN BACKFLOW DEVICE TESTING.

TYPICAL BELOW GRADE INSTALLATION
(3", 4", 6", 8", & 10" SIZES)

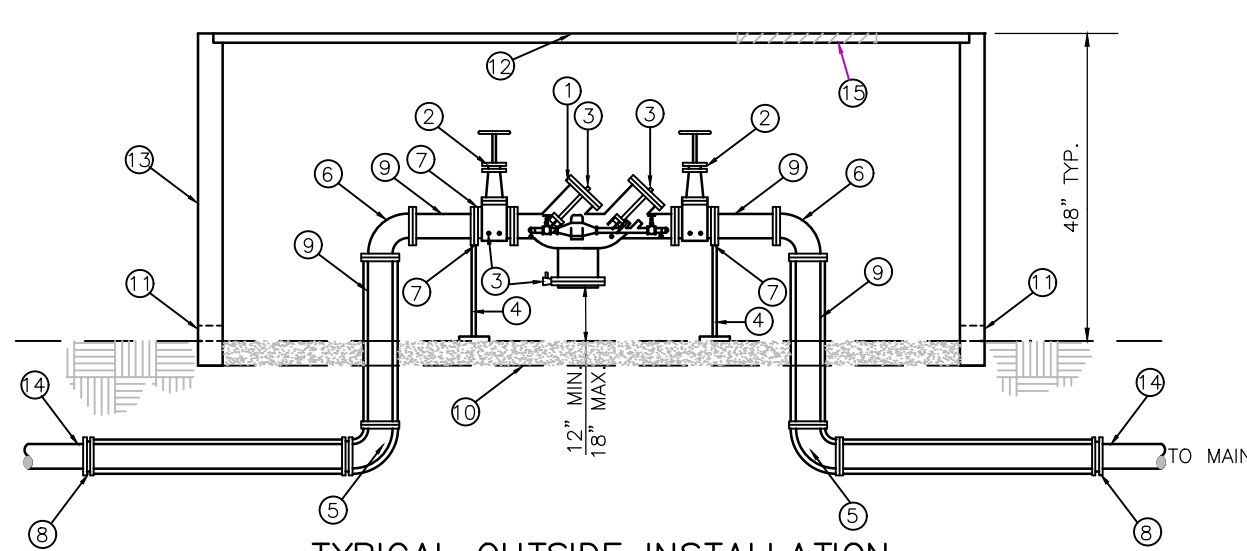


City of Port Wentworth
TECHNICAL DETAILS

W-21

PREPARED BY STEVENSON & PALMER ENGINEERING, INC.

SCALE: N.T.S.
DATED: FEBRUARY 2007




ITEM	QUAN.	DESCRIPTION
1	1	REDUCED PRESSURE ZONE DEVICE
2	2	O.S. & Y RESILIENT GATE VALVES
3	4	TEST COCKS
4	2	2" SCH. 40 GALV. PIPE STAND & BASE BOLTED TO FLANGE
5	2	MJ. 45° OR 90° BENDS
6	4	FLANGED 45° OR 90° BENDS
7	2	ADAPTER FLANGES (UNION SHALL BE USED FOR 2")
8	16	CARBON STEEL EYE BOLTS
9		DUCTILE IRON PIPE, CUT TO FIT
10		4" PEA GRAVEL IN BOTTOM OF PIT OR CONCRETE SLAB
11	2	DRAIN PORTS SIZE ACCORDING TO PIPE SIZE
12		3/8" ALUMINUM TREAD PLATE / HATCH COVER W/ SUPPORTS AS NEEDED.
13		BOX-CONCRETE BLOCK, POURED CONCRETE OR PREFABRICATED BOX PER CITY SPECS.
14		D.I. OR PVC PIPE
15		2' X 2' MIN. HATCH

NOTES:

- FOR FINAL APPROVAL, ASSEMBLY MUST BE CENTERED IN ENCLOSURE (IF APPLICABLE), UNDER NO CONDITION WILL ANY CONNECTION BE ALLOWED BETWEEN THE SERVICE METER AND A BACKFLOW PREVENTER; BACKFLOW PREVENTER SHALL ALWAYS BE INSTALLED IMMEDIATELY DOWNSTREAM OF METER.
- UNDER NO CIRCUMSTANCE SHALL TEST PORTS BE MODIFIED OR UTILIZED FOR ANY USE OTHER THAN BACKFLOW DEVICE TESTING.

TYPICAL OUTSIDE INSTALLATION
(2", 2 1/2", 3", 4", 6", 8", & 10" SIZES)

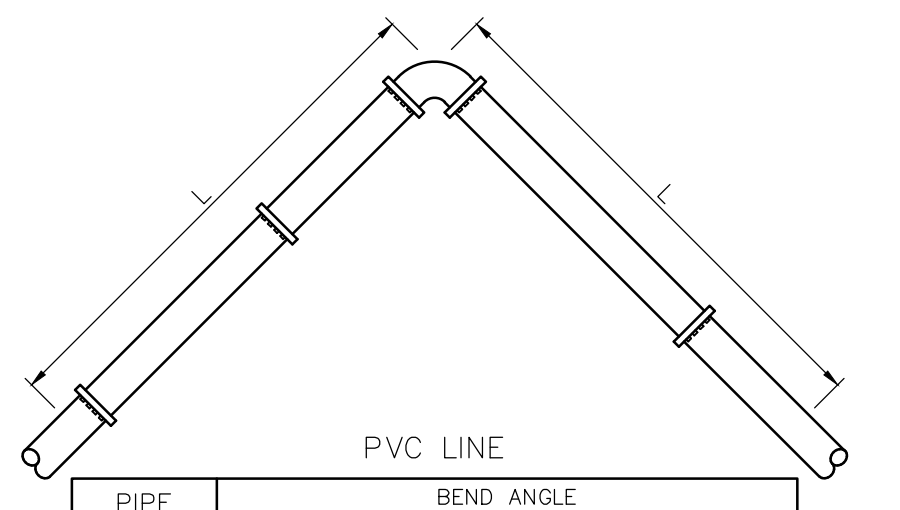


City of Port Wentworth
TECHNICAL DETAILS

W-24

PREPARED BY STEVENSON & PALMER ENGINEERING, INC.

SCALE: N.T.S.
DATED: FEBRUARY 2007



PIPE DIA.	BEND ANGLE			
	11 1/4"	22 1/2"	45°	90°
4	3	6	12	29
6	4	8	17	41
8	5	11	22	53
10	6	13	26	64
12	7	15	31	75


DUCTILE IRON LINE

PIPE DIA.	BEND ANGLE			
	11 1/4"	22 1/2"	45°	90°
4	2	4	8	20
6	3	6	12	28
8	4	7	15	36
10	4	9	18	43
12	5	10	21	51
16	6	13	27	65
20	8	16	33	79
24	9	18	38	92

MINIMUM RESTRAINED LENGTH (L)

NOTES:

- LENGTH OF RESTRAINT SHOWN IS IN FEET.
- WHERE LINES CONSIST OF BOTH DUCTILE IRON AND PVC WITHIN THE LIMITS OF REQUIRED RESTRAINT, LIMITS FOR PVC SHALL APPLY.

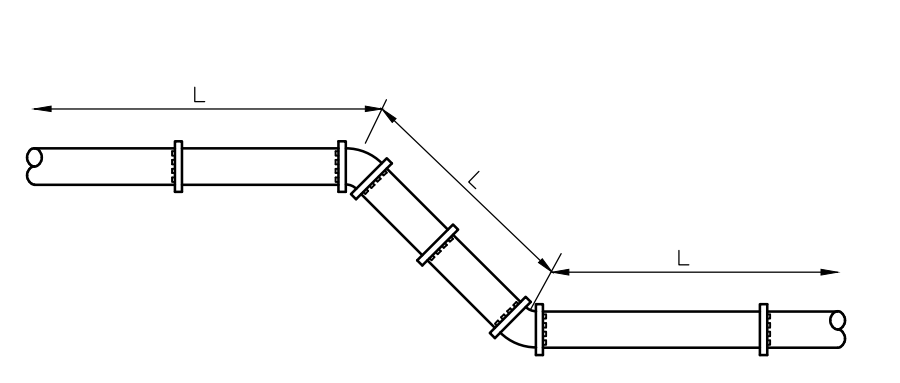


City of Port Wentworth
TECHNICAL DETAILS

W-27

PREPARED BY STEVENSON & PALMER ENGINEERING, INC.

SCALE: N.T.S.
DATED: FEBRUARY 2007



PIPE DIA.	BEND ANGLE			
	11 1/4"	22 1/2"	45°	90°
4	5	10	22	52
6	7	15	30	74
8	9	19	40	96
10	11	23	48	115
12	13	27	56	136


DUCTILE IRON LINE

PIPE DIA.	BEND ANGLE			
	11 1/4"	22 1/2"	45°	90°
4	3	6	12	28
6	4	8	17	40
8	4	10	22	52
10	5	12	26	62
12	6	15	30	73
16	7	19	39	94
20	11	23	47	114
24	13	26	55	132

MINIMUM RESTRAINED LENGTH (L)

NOTES:

- LENGTH OF RESTRAINT SHOWN IS IN FEET.
- WHERE LINES CONSIST OF BOTH DUCTILE IRON AND PVC WITHIN THE LIMITS OF REQUIRED RESTRAINT, LIMITS FOR PVC SHALL APPLY.

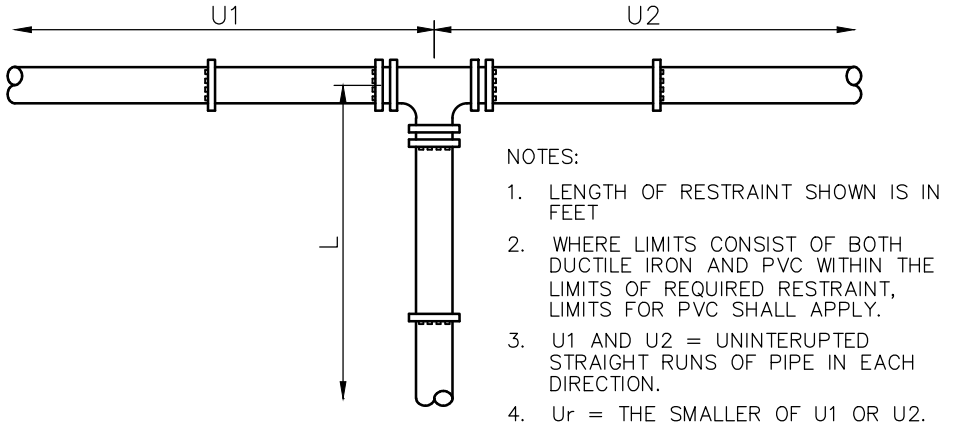


City of Port Wentworth
TECHNICAL DETAILS

W-28

PREPARED BY STEVENSON & PALMER ENGINEERING, INC.

SCALE: N.T.S.
DATED: FEBRUARY 2007




NOTES:

- LENGTH OF RESTRAINT SHOWN IS IN FEET.
- WHERE LIMITS CONSIST OF BOTH DUCTILE IRON AND PVC WITHIN THE LIMITS OF REQUIRED RESTRAINT, LIMITS FOR PVC SHALL APPLY.
- U1 AND U2 = UNINTERRUPTED STRAIGHT RUNS OF PIPE IN EACH DIRECTION.
- Ur = THE SMALLER OF U1 OR U2.
- L = MINIMUM RESTRAINED LENGTH ALONG THE BRANCH.
- WHERE Ur IS LESS THAN 5', RESTRAIN TEE AS A 90° HORIZONTAL BEND.

REDUCER	U1	U2	5'-10'	11'-20'	21'-35'	> 35'
4x4	43	28	4	*	*	*
6x4	38	17	*	*	*	*
6x6	64	49	25	*	*	*
8x4	34	6	*	*	*	*
8x6	61	42	10	*	*	*
8x8	87	72	48	12	*	*
10x4	29	*	*	*	*	*
10x6	58	34	*	*	*	*
10x8	84	66	35	*	*	*
10x10	106	91	67	31	*	*
12x4	24	*	*	*	*	*
12x6	54	26	*	*	*	*
12x8	82	60	23	*	*	*
12x10	104	86	57	13	*	*
12x12	126	112	87	51	*	*

MINIMUM RESTRAINED LENGTH (L)
* RESTRAIN AT TEE ONLY

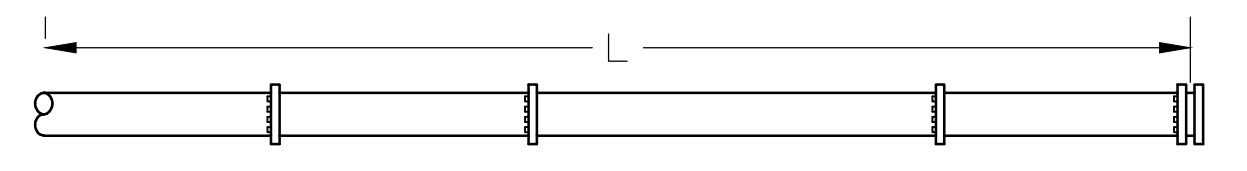


City of Port Wentworth
TECHNICAL DETAILS

W-29

PREPARED BY STEVENSON & PALMER ENGINEERING, INC.


SCALE: N.T.S.
DATED: FEBRUARY 2007



DUCTILE IRON LINE		PVC LINE	
PIPE DIA.	L	PIPE DIA.	L
4	28	4	52
6	40	6	74
8	52	8	96
10	62	10	115
12	73	12	136
16	94		
20	114		
24	132		

NOTES:

- LENGTH OF RESTRAINT SHOWN IS IN FEET.
- WHERE LIMITS CONSIST OF BOTH DUCTILE IRON AND PVC WITHIN THE LIMITS OF REQUIRED RESTRAINT, LIMITS FOR PVC SHALL APPLY.
- FOR LINE STUBS (SEE DETAIL W39), THE LENGTH OF RESTRAINT (L) SHALL BE FROM THE VALVE AND NOT THE CAP.

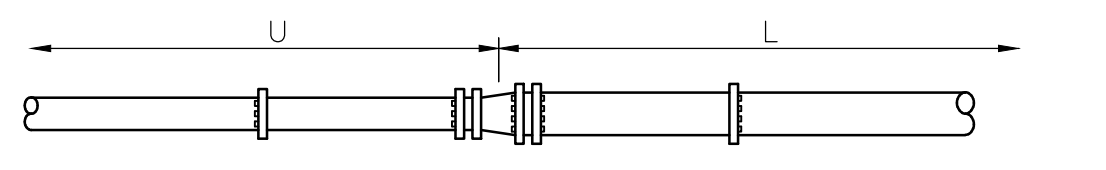


City of Port Wentworth
TECHNICAL DETAILS

W-31

PREPARED BY STEVENSON & PALMER ENGINEERING, INC.

SCALE: N.T.S.
DATED: FEBRUARY 2007



REDUCER	DUCTILE IRON LINE		PVC LINE		
	U	L	U	L	
6x4	30	21	6x4	56	38
8x4	72	38	8x4	134	69
8x6	29	22	8x6	53	40
10x4	123	51	10x4	227	94
10x6	63	38	10x6	117	71
10x8	26	21	10x8	49	39
12x4	186	64	12x4	343	118
12x6	106	53	12x6	196	99
12x8	59	39	12x8	109	72
12x10	26	21	12x10	48	40
16x6	214	79			
16x8	141	68			
16x10	91	56			
16x12	54	40			
20x10	174	84			
20x12	123	71			
20x16	51	40			
24x12	207	97			
24x16	113	72			
24x20	48	39			


U = MINIMUM UNINTERRUPTED STRAIGHT RUN OF PIPE ON SMALL SIDE OF REDUCER.

L = MINIMUM RESTRAINED LENGTH.

* WHERE MINIMUM 'U' IS NOT MET, PIPE ON LARGE SIDE OF REDUCER SHALL BE RESTAINED FOR A MINIMUM OF 'L' FEET.

NOTES:

- LENGTH OF RESTRAINT SHOWN IS IN FEET.
- WHERE LIMITS CONSIST OF BOTH DUCTILE IRON AND PVC WITHIN THE LIMITS OF REQUIRED RESTRAINT, LIMITS FOR PVC SHALL APPLY.

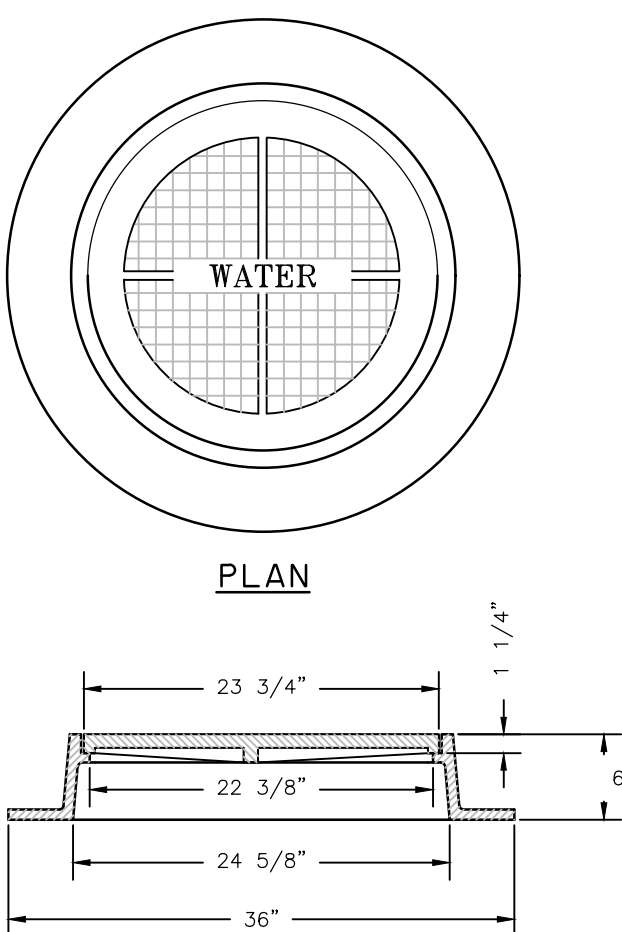


City of Port Wentworth
TECHNICAL DETAILS

W-32

PREPARED BY STEVENSON & PALMER ENGINEERING, INC.

SCALE: N.T.S.
DATED: FEBRUARY 2007




PLAN

SECTION

NOTE:

MANHOLE RING & COVER SHALL BE HEAVY DUTY RATED EQUAL TO U. S. FOUNDRY CO. USE 195-ORS. TOTAL WEIGHT 325# TYPE "C" LID TO HAVE MACHINED BEARING SURFACES. LID TO BE LETTERED 2 1/2" -3" LETTER HEIGHT "WATER" (NON VENTED). MANHOLE RING SHALL INCLUDE A WATERTIGHT GASKET. STACKING CLEATS ON THE BOTTOM OF THE COVER SHALL NOT BE ALLOWED.




City of Port Wentworth
TECHNICAL DETAILS


W-34

PREPARED BY STEVENSON & PALMER ENGINEERING, INC.

SCALE: N.T.S.
DATED: FEBRUARY 2007



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Savannah, GA 31405 • 912.234.5300
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WATER & SEWER DETAILS

PORT WENTWORTH FIRE STATION

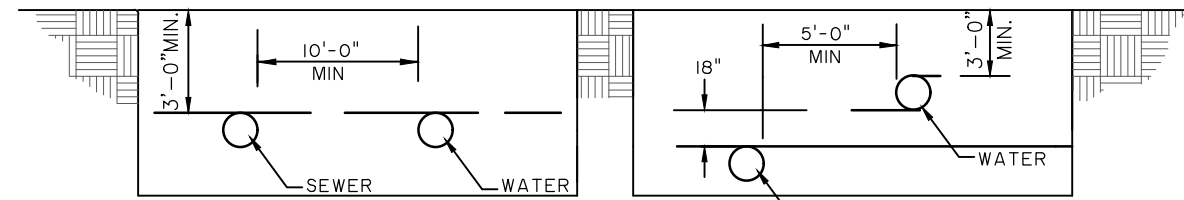
PROJECT LOCATION:
MONTEITH RD
PORT WENTWORTH, GA 31407

CLIENT/OWNER:
CITY OF PORT WENTWORTH
305 S COASTAL HWY
PORT WENTWORTH, GA 31407-2001
912.964.4379
stevedavis@cityofportwentworth.com

DATUM: HORIZ: NAD83 VERT: NAVD88

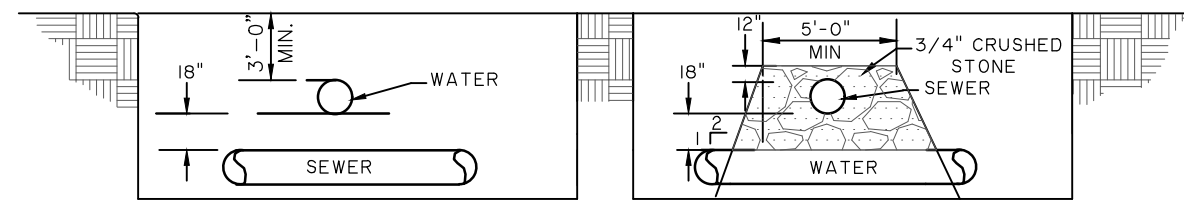
JOB NO: 25412.0029
DATE:
DRAWN:
DESIGNED:
REVIEWED:
APPROVED:
SCALE: 1" = 1'

C2.9



NORMAL CONDITIONS
PARALLEL INSTALLATION

UNUSUAL CONDITIONS PARALLEL INSTALLATION



NORMAL CONDITIONS CROSSINGS

UNUSUAL CONDITIONS
CROSSINGS

NOTES

THE SEPARATION OF WATER MAINS AND SEWERS SHALL COMPLY WITH THE GEORGIA ENVIRONMENTAL PROTECTION DIVISION MINIMUM STANDARDS FOR PUBLIC WATER SYSTEMS, WHICH ARE GENERALLY AS FOLLOWS:

A. PARALLEL INSTALLATION

- I. NORMAL CONDITIONS: THE INSIDE EDGE OF A WATER LINE SHALL BE LAID AT LEAST 10 FEET HORIZONTALLY FROM THE INSIDE EDGE OF ANY SANITARY SEWER, STORM SEWER OR SEWER MANHOLE.

2. UNUSUAL CONDITIONS: WHEN LOCAL CONDITIONS PREVENT A HORIZONTAL SEPARATION OF 10 FEET, AND WHEN APPROVED BY THE ENGINEER, THE INSIDE EDGE OF A WATER MAIN MAY BE LAID A MINIMUM OF 5 FEET FROM THE INSIDE EDGE OF A SEWER PROVIDED THAT THE BOTTOM OF THE WATER MAIN IS AT LEAST 18 INCHES HIGHER THAN THE TOP OF THE SEWER (SEE DETAIL), AND THE WATER MAIN IS LAID IN A SEPARATE TRENCH OR ON AN UNDISTURBED EARTH SHELVE.

B. CROSSINGS

- I. NORMAL CONDITIONS: WHENEVER POSSIBLE, THE BOTTOM OF THE WATER MAIN SHALL BE AT LEAST 18 INCHES HIGHER THAN THE TOP OF THE SEWER.

2. UNUSUAL CONDITIONS: IF A WATER MAIN MUST CROSS UNDER A SEWER, THE TOP OF THE WATER MAIN SHALL BE AT LEAST 18 INCHES LOWER THAN THE BOTTOM OF THE SEWER, THE WATER MAIN PIPE SHALL BE CENTERED AT THE CROSSING SO THAT THE JOINTS ARE EQUIDISTANT AND AS FAR AS POSSIBLE FROM THE SEWER, AND ADEQUATE STRUCTURAL SUPPORT SHALL BE PROVIDED FOR THE SEWER TO PREVENT EXCESSIVE DEFLECTION OF THE SEWER AT THE CROSSING. ADEQUATE STRUCTURAL SUPPORT SHALL INCLUDE BACKFILLING THE ENTIRE UTILITY CROSSING AREA WITH 3/4" CRUSHED STONE AS SHOWN IN THE DETAIL.

MINIMUM WATER & SEWER PIPE SEPARATION



City of Port Wentworth
TECHNICAL DETAILS

U-3

PREPARED BY STEVENSON & PALMER ENGINEERING, INC.

SCALE: N.T.S.
DATED: FEBRUARY 2007

WATER VALVE VAULT

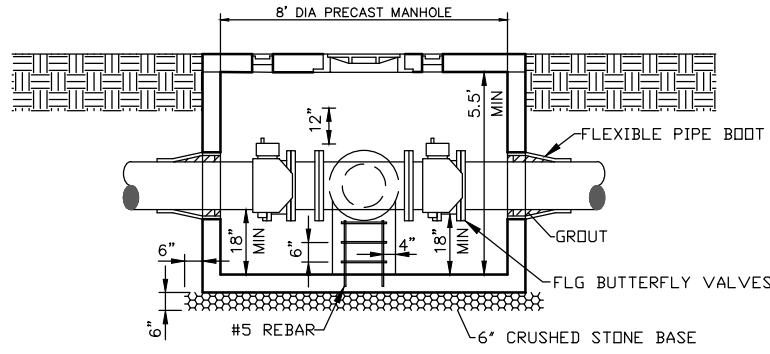
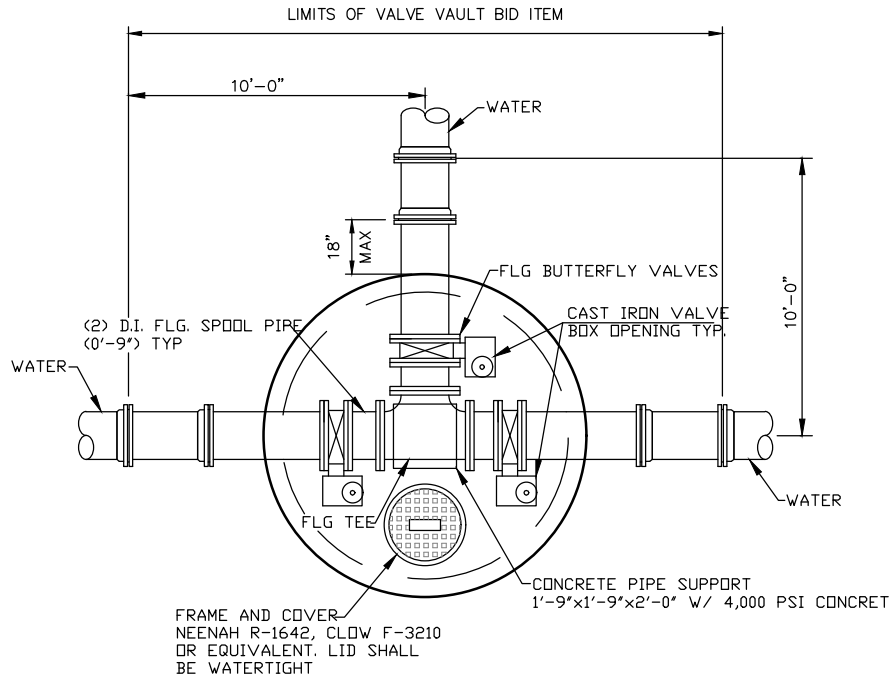


City of Port Wentworth
TECHNICAL DETAILS

W-35

PREPARED BY STEVENSON & PALMER ENGINEERING, INC.

SCALE: N.T.S.
DATED: FEBRUARY 200

[illegible]

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WATER & SEWER DETAILS

PORT WENTWORTH FIRE STATION

PROJECT LOCATION:

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PORT WENTWORTH, GA 31407

CLIENT/OWNER:

CITY OF PORT WENTWORTH
305 S COASTAL HWY
PORT WENTWORTH, GA 31407-2001
912.964.4379
stevedavis@cityofportwentworth.com

DATUM: HORIZ.: NAD83

VERT.: NAVD88

JOB NO: 25412.002

DATE: _____

DRAWN:

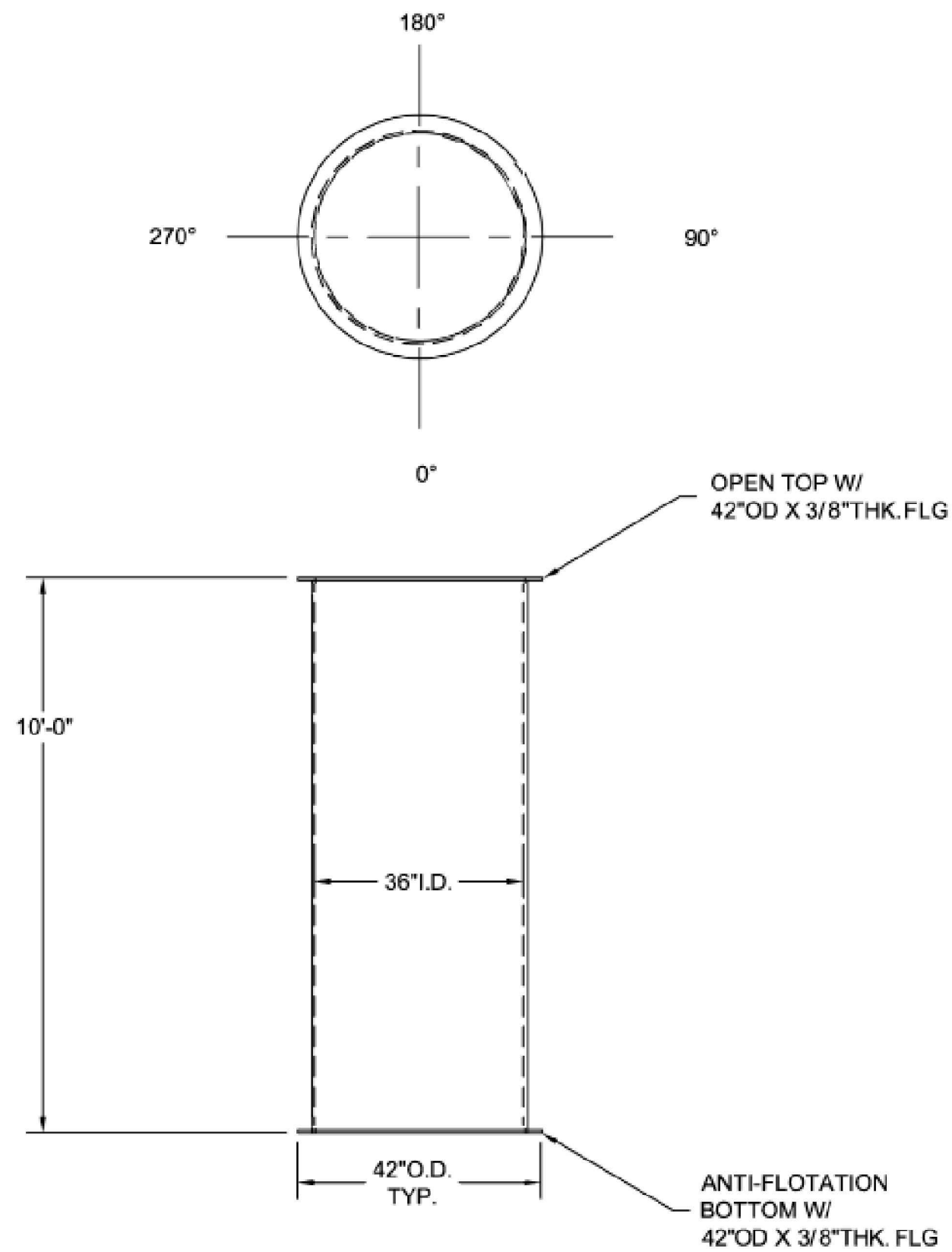
DESIGNED:

REVIEWED: _____
 人 事 部 經 理 人 事 部 經 理

SCALE: 1" = 1'

C2.10

25412.0029 GRINDER STATION CONSTRUCTION PLANS - 1 - PRELIMINARY CONSTRUCTION PLANS - 10/06/23 - 10/06/23



70 SERIES - MODELS 7011-7012-7013

TECHNICAL DATA

2 HP GRINDER PUMPS - DUAL SEAL

MODELS:	<input type="checkbox"/> 7011		<input type="checkbox"/> 7012		<input type="checkbox"/> 7013									
CONFIGURATION:	REVERSING		HIGH HEAD		HIGH FLOW									
PUMP NAME PLATE HORSEPOWER:	2.0		2.0		2.0									
SERVICE FACTOR:	1.2		1.2		1.2									
NEC LOCKED ROTOR CODE:	K		K		K									
MAXIMUM KW INPUT:	3.9		3.9		3.9									
STANDARD IMPELLER DIAMETER:	5.515" (140 mm)		6.125" (156 mm)		6.188" (157 mm)									
DISCHARGE SIZE:	<input type="checkbox"/> 1.25" VERTICAL OR <input type="checkbox"/> 1.25" HORIZONTAL													
IMPELLER TYPE:	VORTEX		TANDEM SEALS:		STANDARD									
CUTTER & PLATE:	440C SS HARDENED TO RC 55-60		MOTOR DESIGN LETTER:		NEMA B (3 Ph) NEMA L (1Ph)									
PUMP NET WEIGHT:	137 lbs. (1 PH), 132 lbs. (3 PH) 62 kg. (1 PH), 60 kg. (3 PH)		POWER CORD LENGTH: ft (m) (20' STANDARD)		<input type="checkbox"/> 25' (7.6 m) <input type="checkbox"/> 35' (10.7 m) <input type="checkbox"/> 50' (15.2 m)									
O-RINGS:	VITON		POWER CORD:		14 GAUGE SOOW									
MOTOR SHAFT:	416 SS		SENSOR CORD:		18 GAUGE SOOW									
RPM:	3450		STATOR & LEAD WIRES INSULATION:		CLASS F									
MOTOR TYPE:	SUBMERSIBLE		MAXIMUM STATOR TEMPERATURE:		311 °F (155 °C)									
SHAFT SEAL CONSTRUCTION:	STANDARD		CARBON/CERAMIC UPPER CARBON/SILICON CARBIDE LOWER											
			<input type="checkbox"/> CARBON / SILICON CARBIDE <input type="checkbox"/> SILICON CARBIDE/SILICON CARBIDE											
	OPTIONAL LOWER		<input type="checkbox"/> SILICON CARBIDE/SILICON CARBIDE											
STANDARD SENSING DEVICES*	MOTOR THERMAL SHUTOFF		INTEGRAL OVERLOAD (1 PH) OR THERMAL SENSOR (3 PH)											
	MOISTURE DETECTION		MOISTURE DETECTION PROBES											
IMPELLER MATERIAL	7011 & 7013		STANDARD DUCTILE IRON <input type="checkbox"/> OPTIONAL BRONZE											
	7012		STANDARD BRONZE											
IMPELLER TRIM - MODELS 7011 & 7013 ONLY:	<input type="checkbox"/> OPTIONAL		DESIGN POINT: ____ GPM @ ____' TDH, IMPELLER DIA. ____"											
MAXIMUM WATER TEMPERATURE:			130 °F (54 °C)											
* Requires a circuit in control panel to function.														
MODEL	HP	SERVICE FACTOR	<input type="checkbox"/> 200V / 1 PH	<input type="checkbox"/> 230V / 1 PH	<input type="checkbox"/> 200V / 3 PH	<input type="checkbox"/> 230V / 3 PH	<input type="checkbox"/> 460V / 3 PH	<input type="checkbox"/> 575V / 3 PH						
			FLA	LRA	FLA	LRA	FLA	LRA	FLA	LRA	FLA	LRA	FLA	LRA
7011	2.0	1.2	20.0	60.7	17.2	57.3	12.3	47.0	10.8	28.0	5.5	20.6	4.5	16.2
7012	2.0	1.2	20.0	60.7	17.2	57.3	12.3	47.0	10.8	28.0	5.5	20.6	4.5	16.2
7013	2.0	1.2	20.0	60.7	17.2	57.3	12.3	47.0	10.8	28.0	5.5	20.6	4.5	16.2

*Single phase units require a set of capacitors and relay starting components.

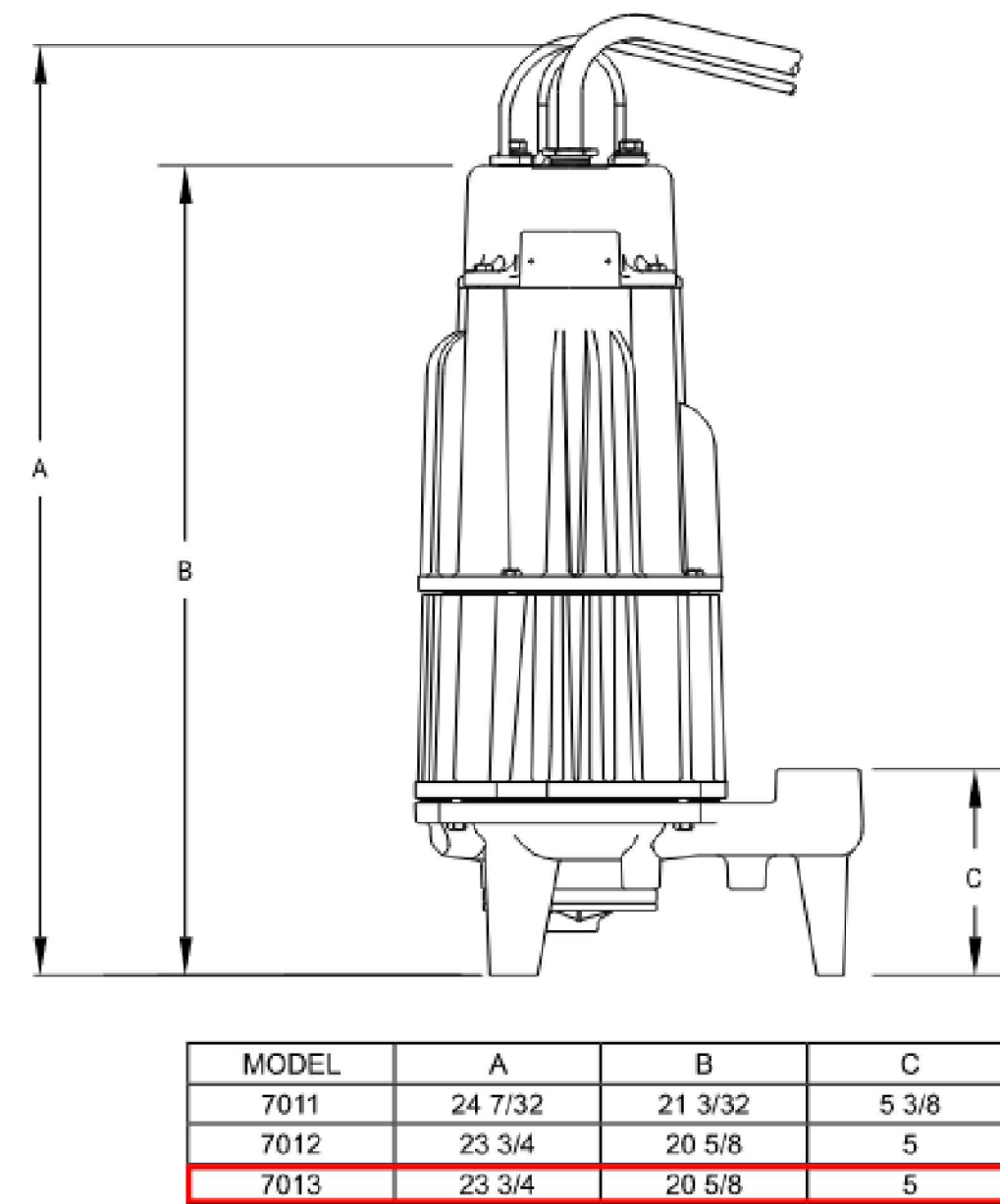
70 SERIES • MODELS 7011-7012-7013

DIMENSIONAL DATA

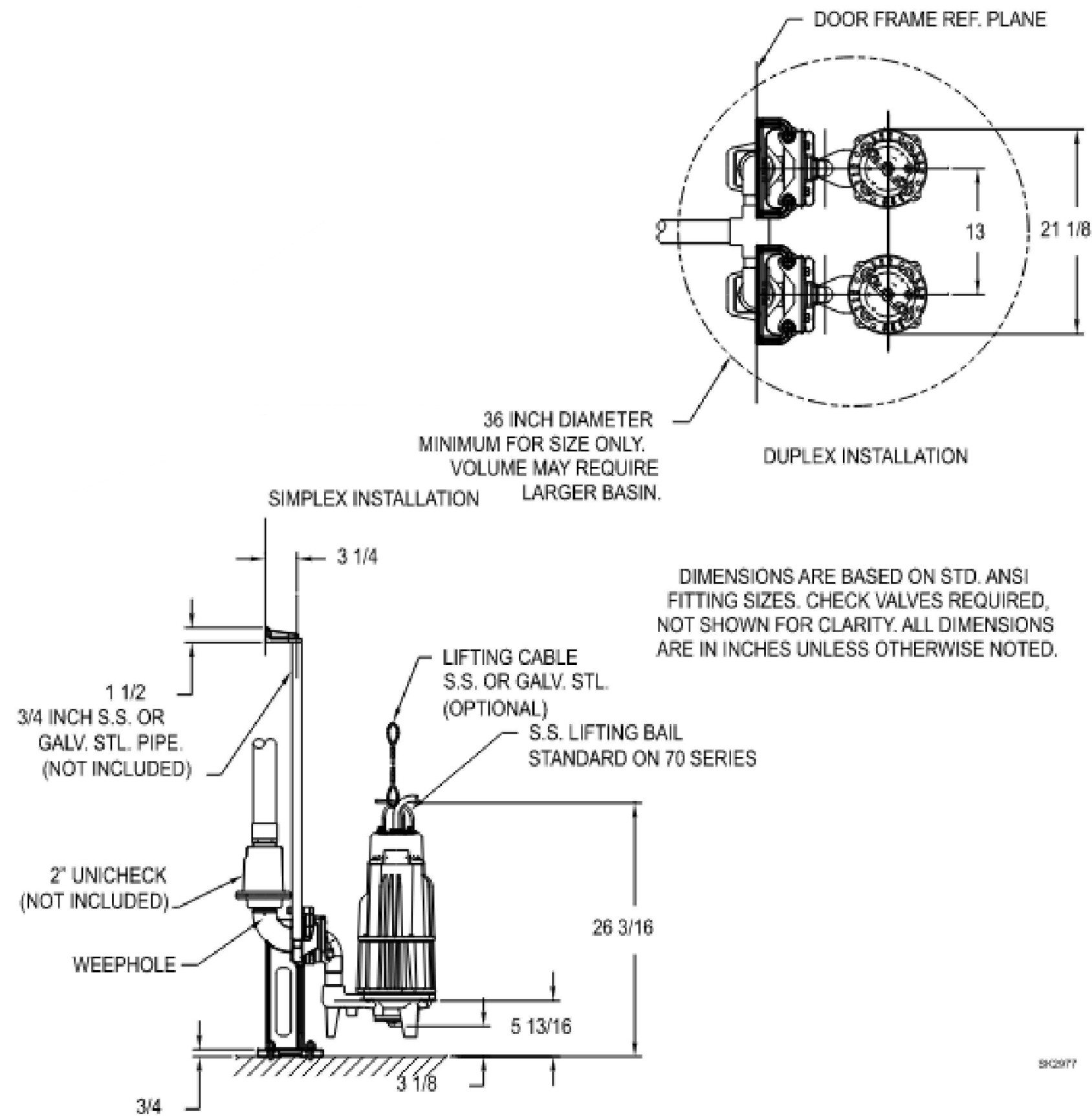
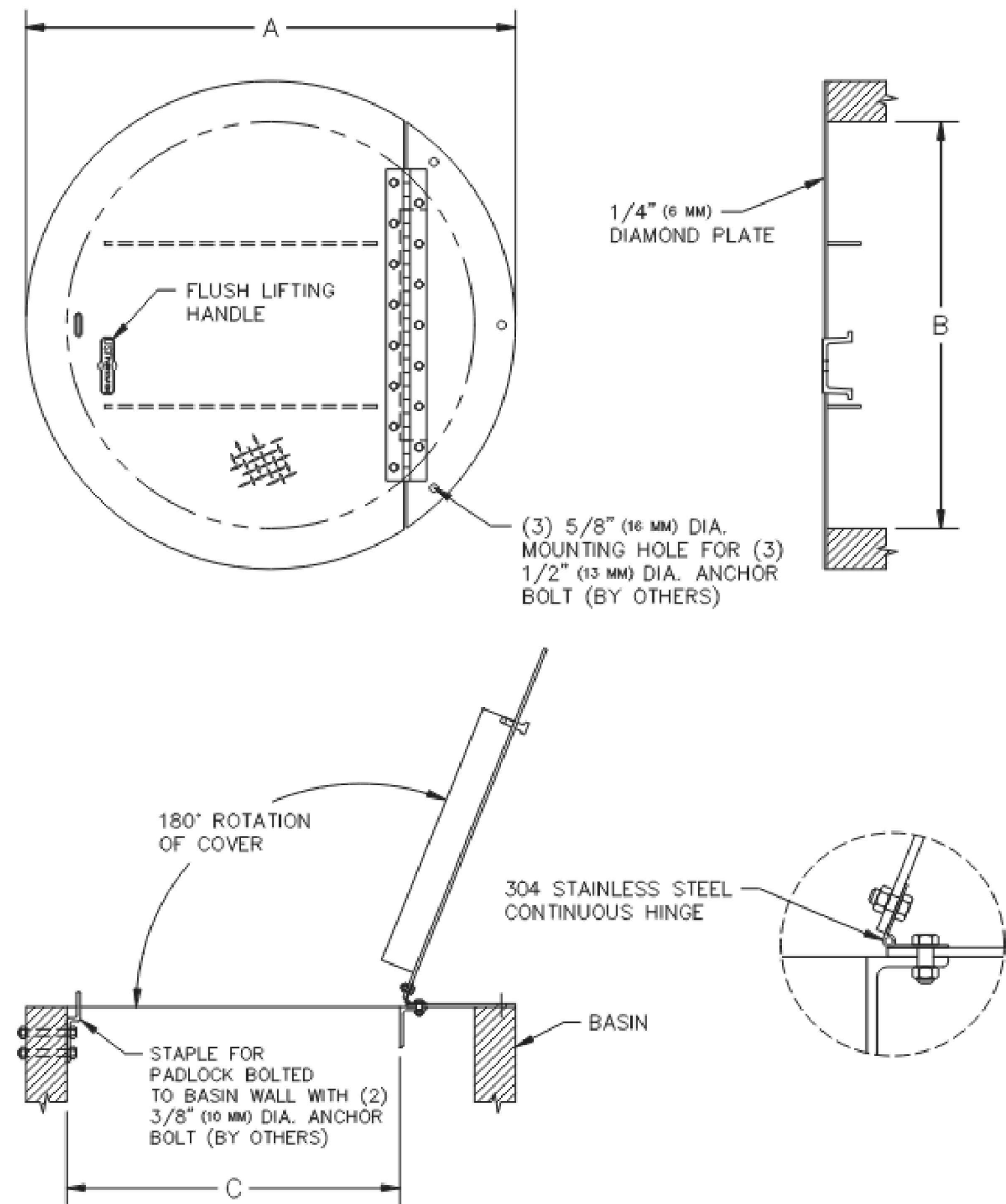
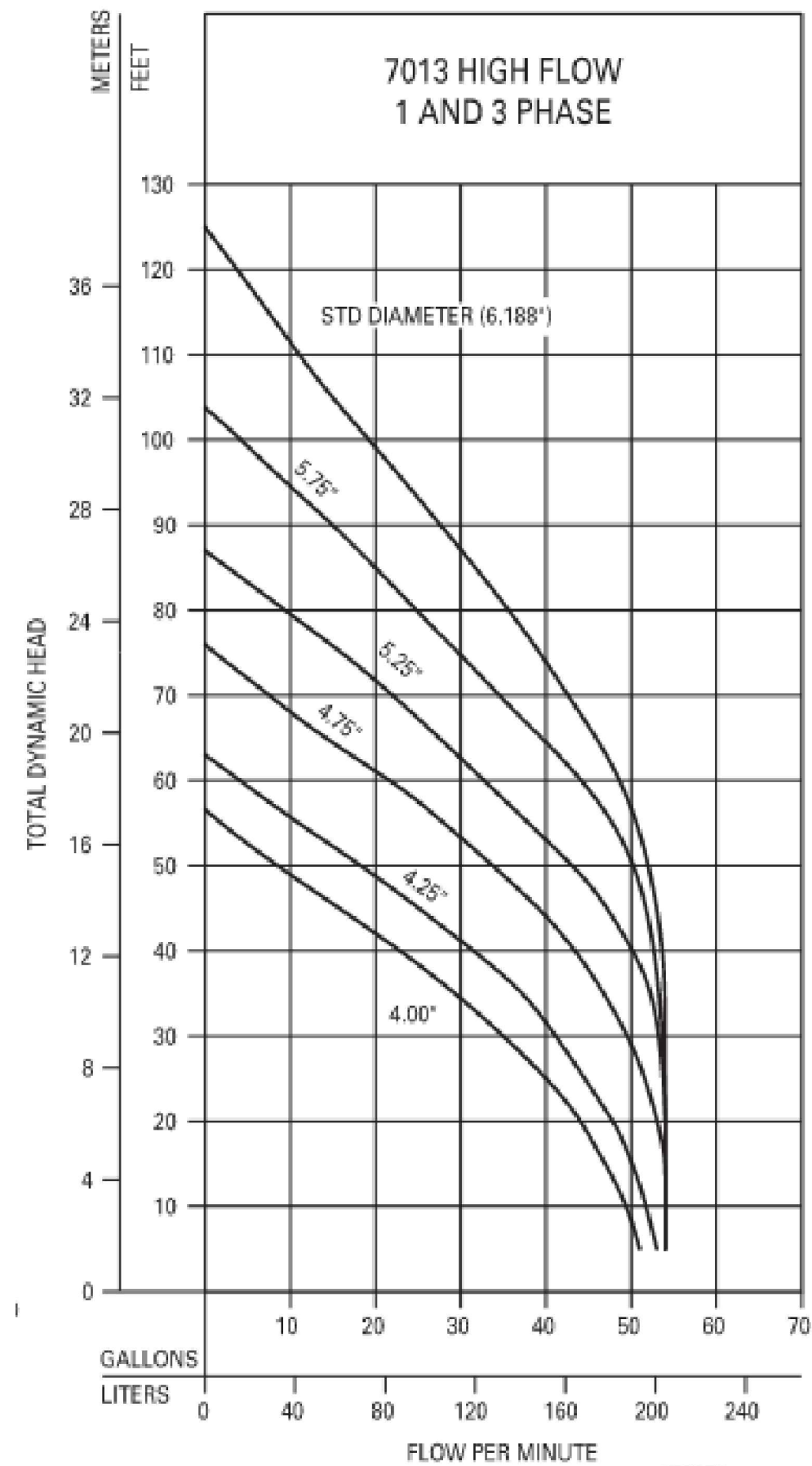
2 HP GRINDER PUMP - DUAL SEAL

1.25" NPT Discharge

Floor Mounted



MODEL	A	B	C
7011	24 7/32	21 3/32	5 3/8
7012	23 3/4	20 5/8	5
7013	23 3/4	20 5/8	5



Standard all models - 20 ft. cord - 2 HP

7013 Models	Control Section			Listed
	Volts	Ph	Amps	cCSAus
E7013*	230	1	17.2	Yes
I7013*	200	1	20.0	Yes
F7013	230	3	10.8	Yes
J7013	200	3	12.3	Yes
G7013	460	3	5.5	Yes
BA7013	575	3	4.5	Yes

NOTES:

1. CONTRACTOR TO COORDINATE CONTROL PANEL LOCATION WITH PUMP MANUFACTURER AND INSTALLER.
2. REFER TO PLAN SHEET FOR FRAME AND INVERT ELEVATIONS OF WET WELL.
3. CONTRACTOR TO PROVIDE PACKAGE GRINDER STATION COMPLETE, INSTALLED AND TESTED. PACKAGE GRINDER STATION SHALL INCLUDE WETWELL, DUPLEX PUMPS AND ALL NECESSARY APPURTENANCES, INCLUDING BUT NOT LIMITED TO ANY MOUNTING HARDWARE AND ELECTRICAL OR PLUMBING CONNECTIONS AND FITTINGS.



BID SET - NOT FOR CONSTRUCTION

THOMAS & HUTTON

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GRINDER STATION DETAILS

PORT WENTWORTH FIRE STATION

PROJECT LOCATION:
HIGHWAY 30
PORT WENTWORTH, GA 31407

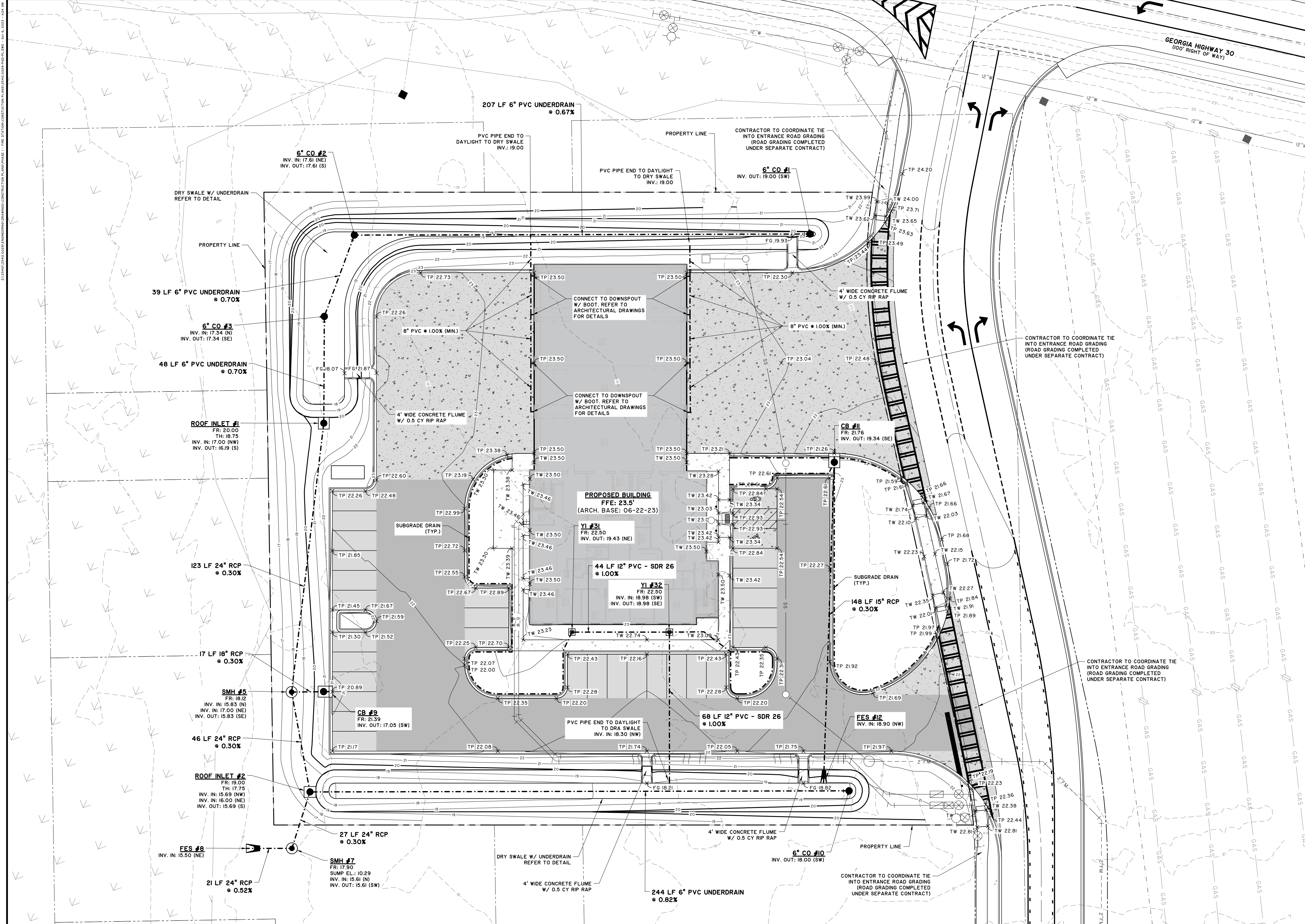
CLIENT/OWNER:
CITY OF PORT WENTWORTH
7224 GA HIGHWAY 21
PORT WENTWORTH, GA 31407
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stevedavis@cityofportwentworth.com

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VERT.: NAVD86

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DRAWN: KHT
DESIGNED: MRE
REVIEWED: JVG
APPROVED: JVG
SCALE: NTS

C2.11



PAVEMENT LEGEND:

	LIGHT DUTY VEHICULAR ASPHALT
	HEAVY DUTY VEHICULAR ASPHALT
	VEHICULAR CONCRETE
	PEDESTRIAN CONCRETE

NO.	REVISIONS	BY	DATE

BID SET - NOT FOR CONSTRUCTION

50 Park of Commerce Way
Savannah, GA 31405 • 912.234.5300
www.thomasandhutton.com

PAVING, GRADING, & DRAINAGE PLAN

PORT WENTWORTH FIRE STATION

PROJECT LOCATION:
HIGHWAY 30
PORT WENTWORTH, GA 31407

CLIENT/OWNER:
CITY OF PORT WENTWORTH
7224 GA HIGHWAY 21
PORT WENTWORTH, GA 31407
STEVE DAVIS
stevedavis@cityofportwentworth.com

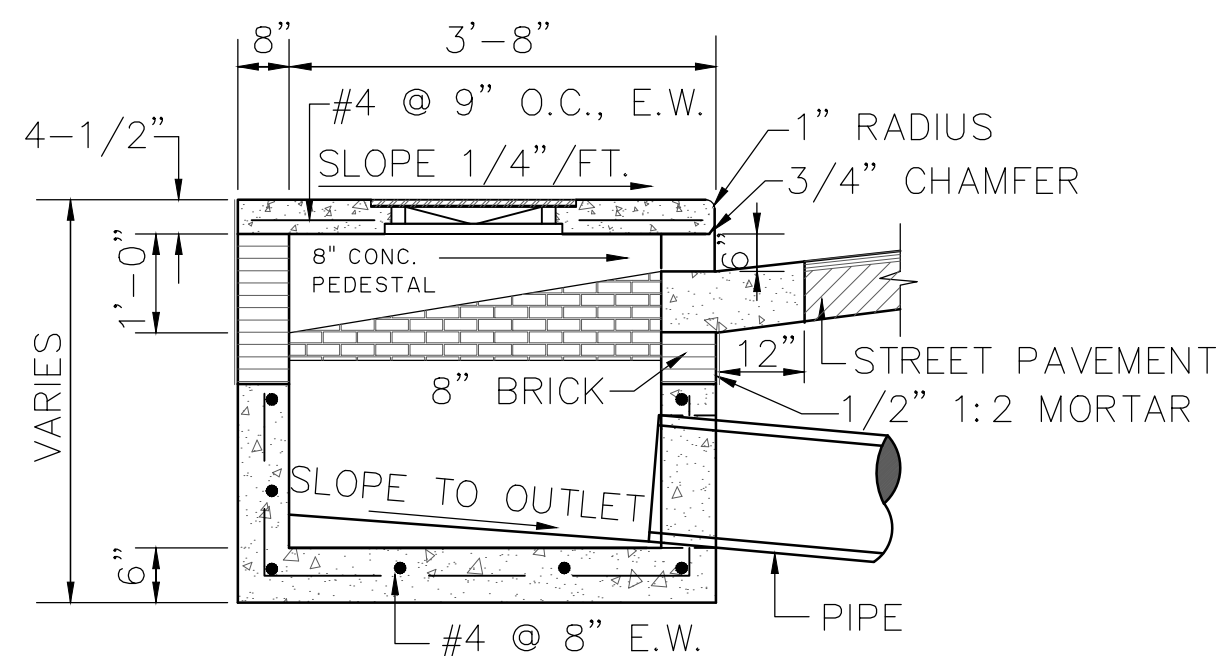
DATUM: HORIZ.: NAD83 VERT.: NAVD88

JOB NO:	25412.0029
DATE:	10/06/23
DRAWN:	KHT
DESIGNED:	MRE
REVIEWED:	JVG
APPROVED:	JVG
SCALE:	1" = 20'

C3.1

SD-1

SCALE: N.T.S.
DATED: FEBRUARY 2007



- NOTES:
1. CHAMFER ALL EXPOSED CONCRETE EDGES 3/4"
2. PIPE TIEING TO CURB INLET MUST BE SEALED INSIDE AND OUTSIDE OF STRUCTURE WITH BRICK AND MORTAR

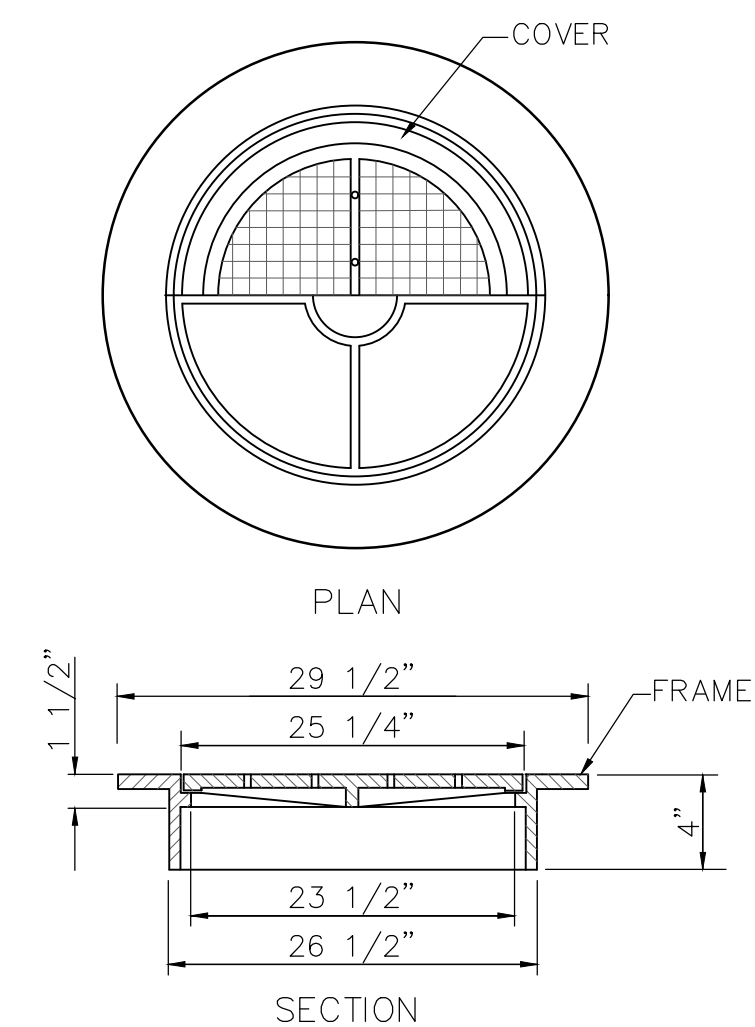
SD-3

SCALE: N.T.S.
DATED: FEBRUARY 2007

- NOTES:
1. MATCH TOP OF PIPE ELEVATIONS WHEN DIFFERENT SIZE PIPES ARE CONSTRUCTED IN CURB INLET.
 2. TYPE "B" INLET SHOWN

SD-4

SCALE: N.T.S.
DATED: FEBRUARY 2007



- NOTES:
1. FRAME AND COVER TO BE NEENAH FOUNDRY COMPANY CATALOG NO. R-5900-F OR EQUIVALENT WEIGHT 205#.
 2. COVER MUST HAVE FOUNDRY STAMP SHOWING THE UTILITY (DRAINAGE).

SD-5

SCALE: N.T.S.
DATED: FEBRUARY 200

[illegible]

THOMAS
&
HUTCHINSON

PAVING & DRAINAGE
DETAILS

GHOST PIRATES TRAINING FACILITY

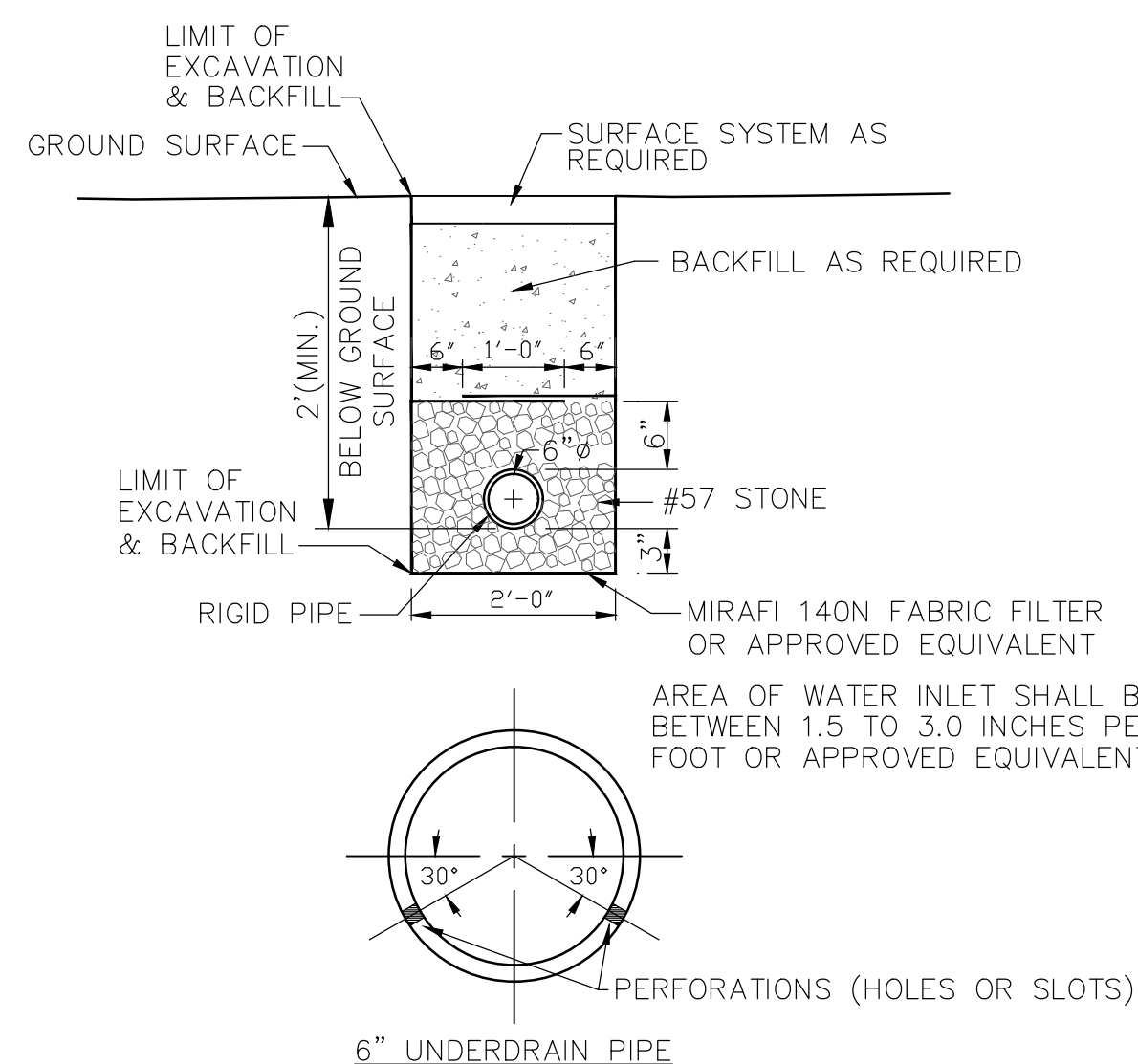
PROJECT LOCATION:
MONTEITH RD
PORT WENTWORTH, GA 31407

CLIENT/OWNER:
CITY OF PORT WENTWORTH
305 S COASTAL HWY
PORT WENTWORTH, GA 31407
912.964.4379
stevedavis@cityofportwentworth.com

DATUM: HORIZ.: NAD83 VERT.: NAVD83

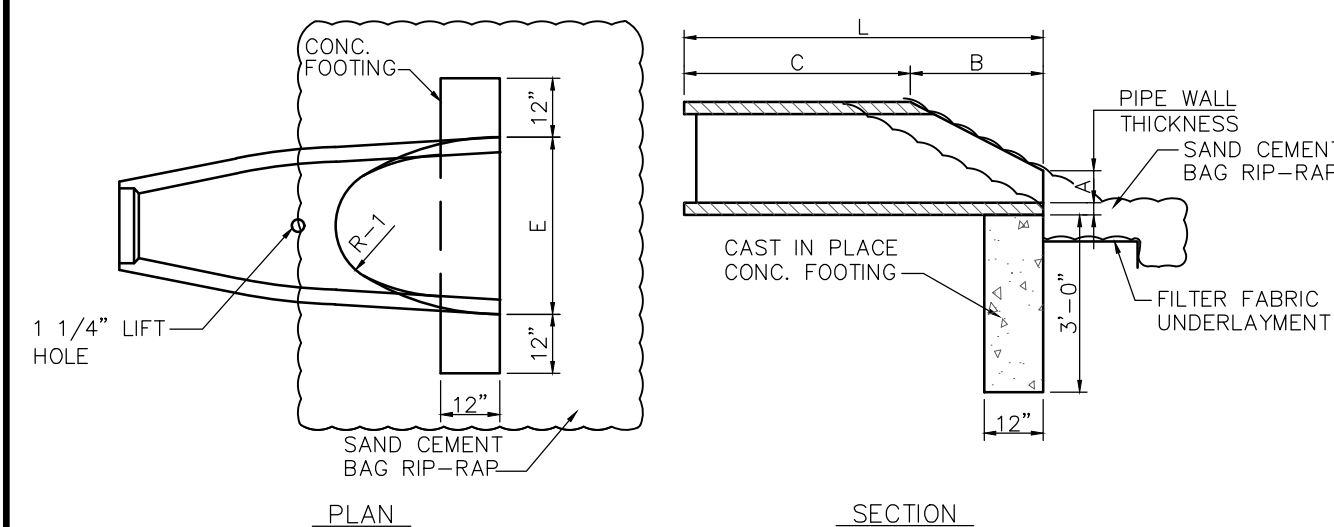
JOB NO:	25412.0029
DATE:	
DRAWN:	
DESIGNED:	
REVIEWED:	
APPROVED:	
SCALE:	1" = 1'

C3.2



SD-10

SCALE: N.T.S.
DATED: FEBRUARY 2007

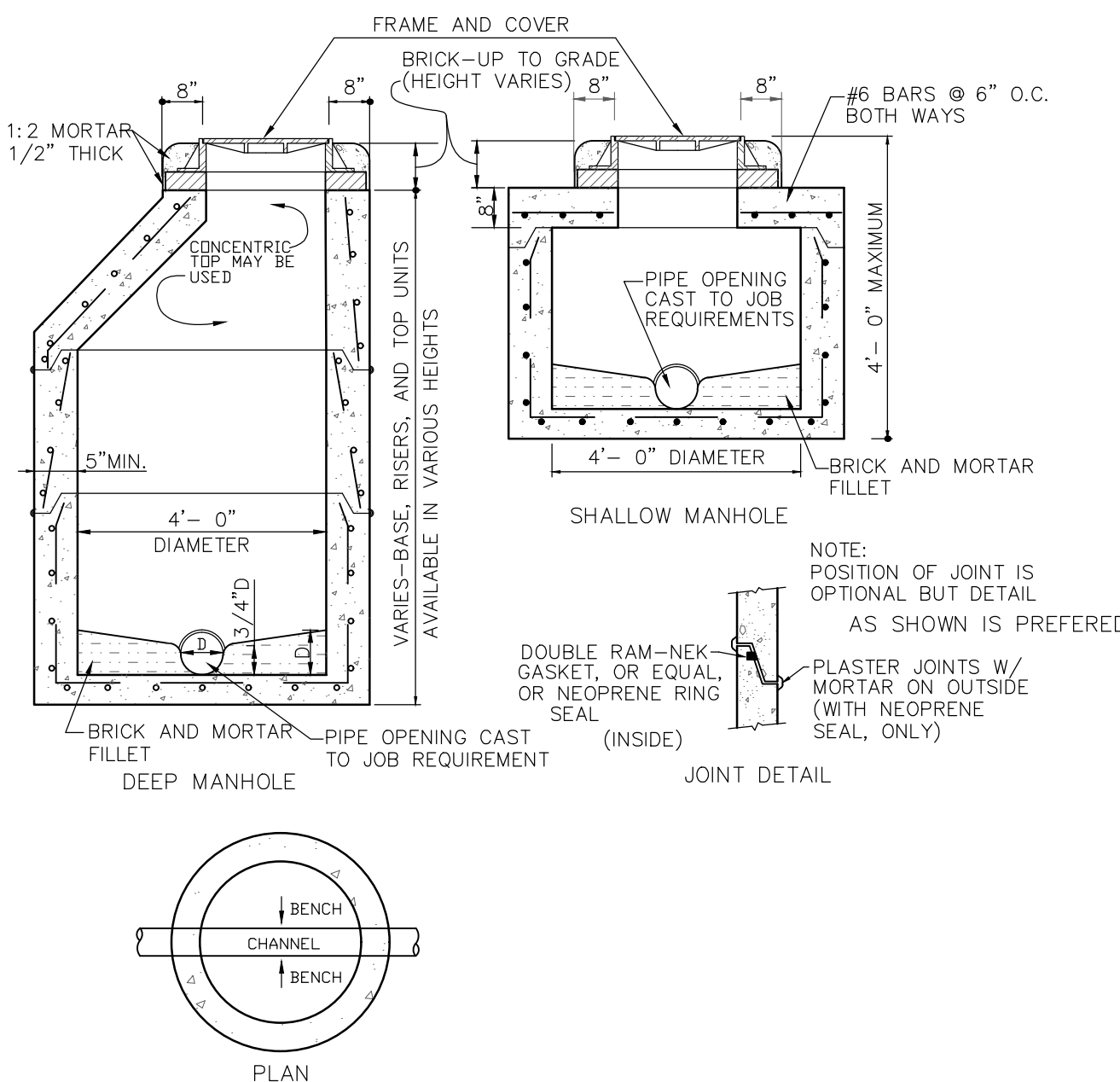


FLARE DIMENSIONS						
PIPE DIA.	A	B	C	L	E	R-1
15"	6"	2'-3"	3'-10"	6'-1"	2'-6"	1'-0"
18"	9"	2'-3"	3'-10"	6'-1"	3'-0"	1'-4"
24"	10"	3'-8"	2'-6"	6'-2"	4'-0"	1'-5"
30"	12"	4'-6"	1'-8"	6'-2"	5'-0"	1'-6"
36"	16"	5'-3"	2'-11"	8'-2"	6'-0"	2'-0"
42"	21"	5'-3"	2'-11"	8'-2"	6'-6"	2'-4"

REINFORCEMENT CONFORMS TO ASTM A-82

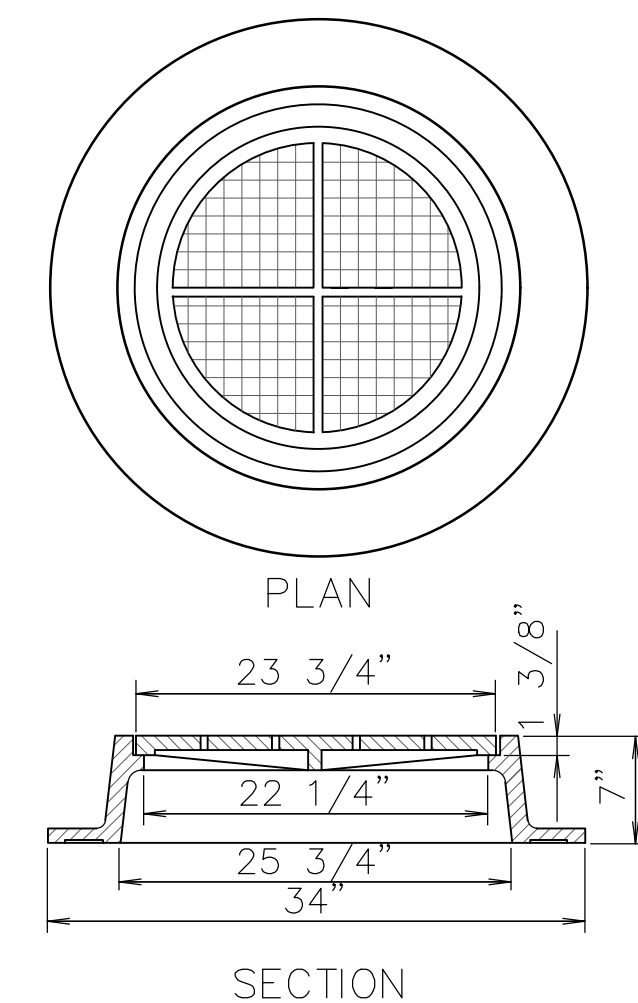
SD-1

SCALE: N.T.S.
DATED: FEBRUARY 2007



SD-12

SCALE: N.T.S.
DATED: FEBRUARY 2007



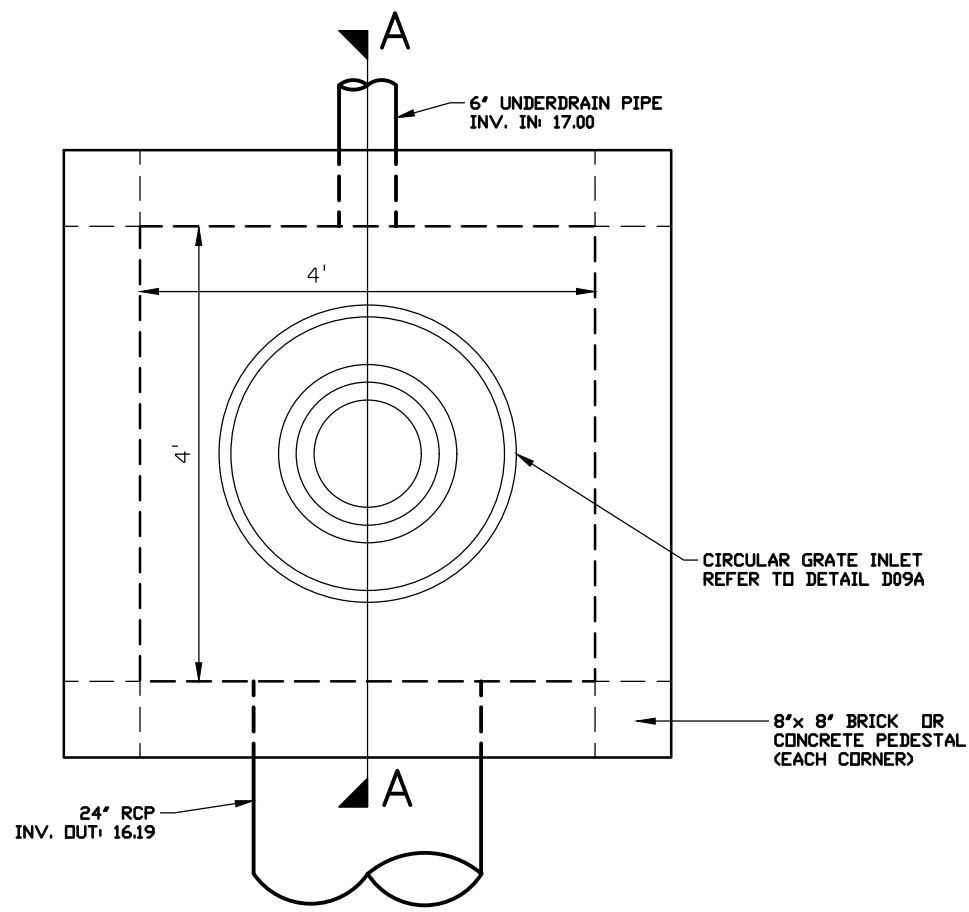
- NOTE:
- MANHOLE RIM & COVER SIMILAR TO NEENAH
FOUNDRY R-1412-A4. TOTAL WEIGHT 310#. TYPE
"C" LID TO HAVE MACHINED BEARING SURFACES.
LID TO BE LETTERED "STORM".



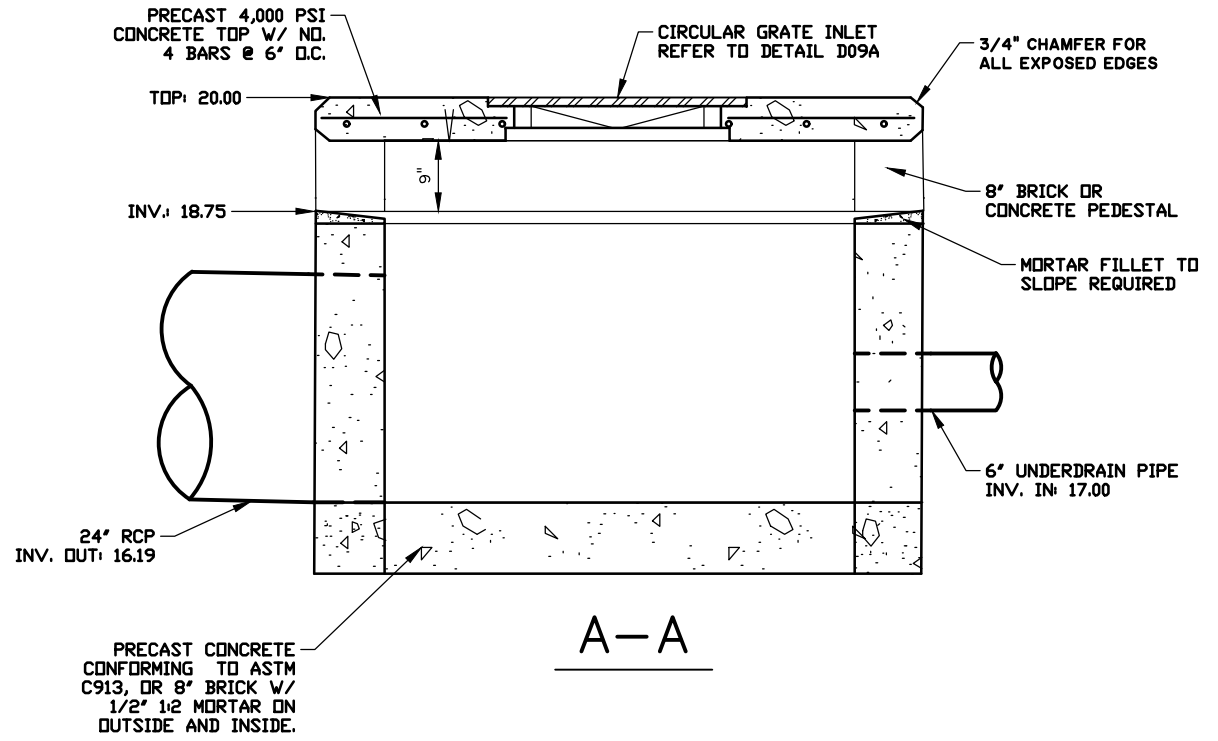
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SCALE: N.T.S.
DATED: FEBRUARY 200

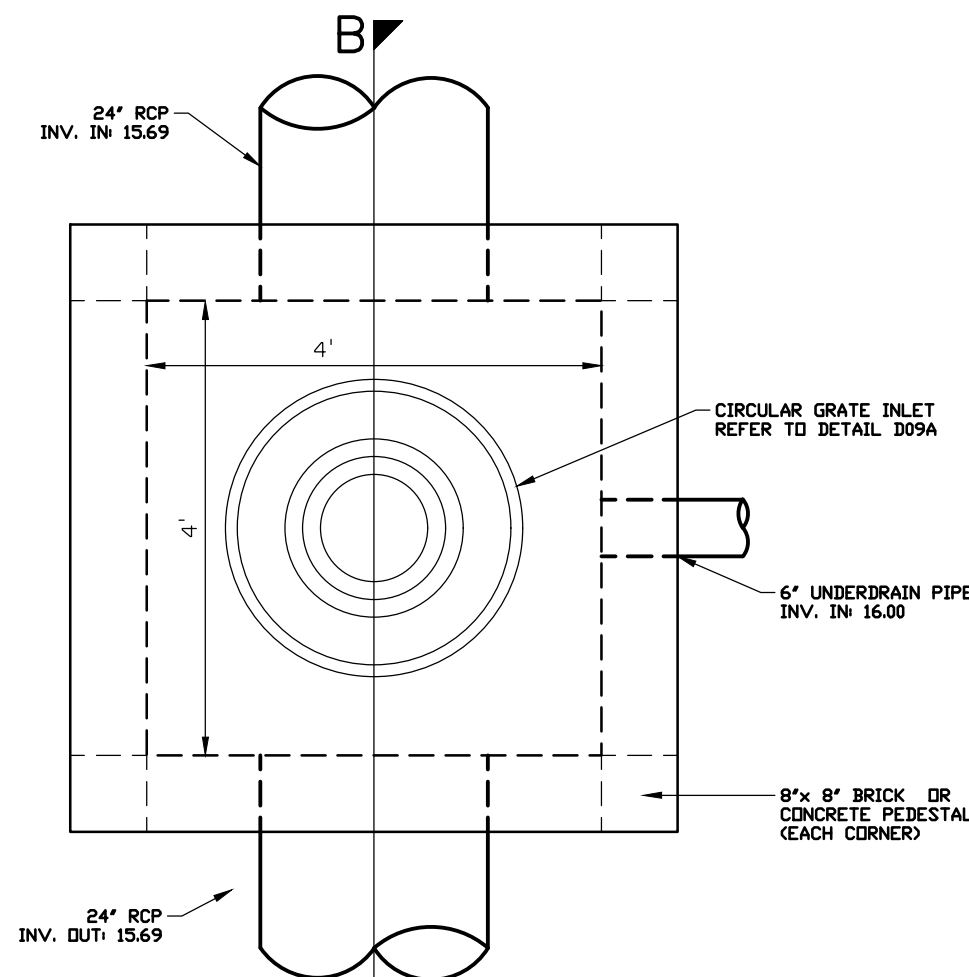
25412.0029 CHANGING DRAINAGE DETAIL FROM 1" TO 1/2" - THE STATION CONSTRUCTION PLANS 25412.0029-100-01.DWG - OCT. 8, 2023 - 10:24 AM



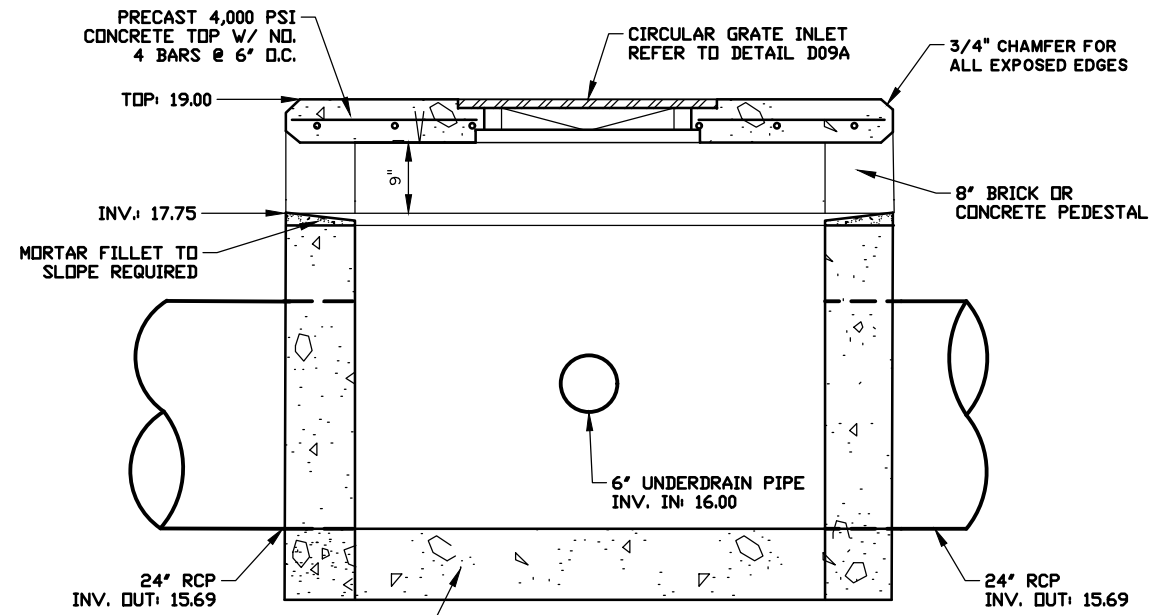
PLAN
ROOF INLET 1 DETAIL
NOT TO SCALE



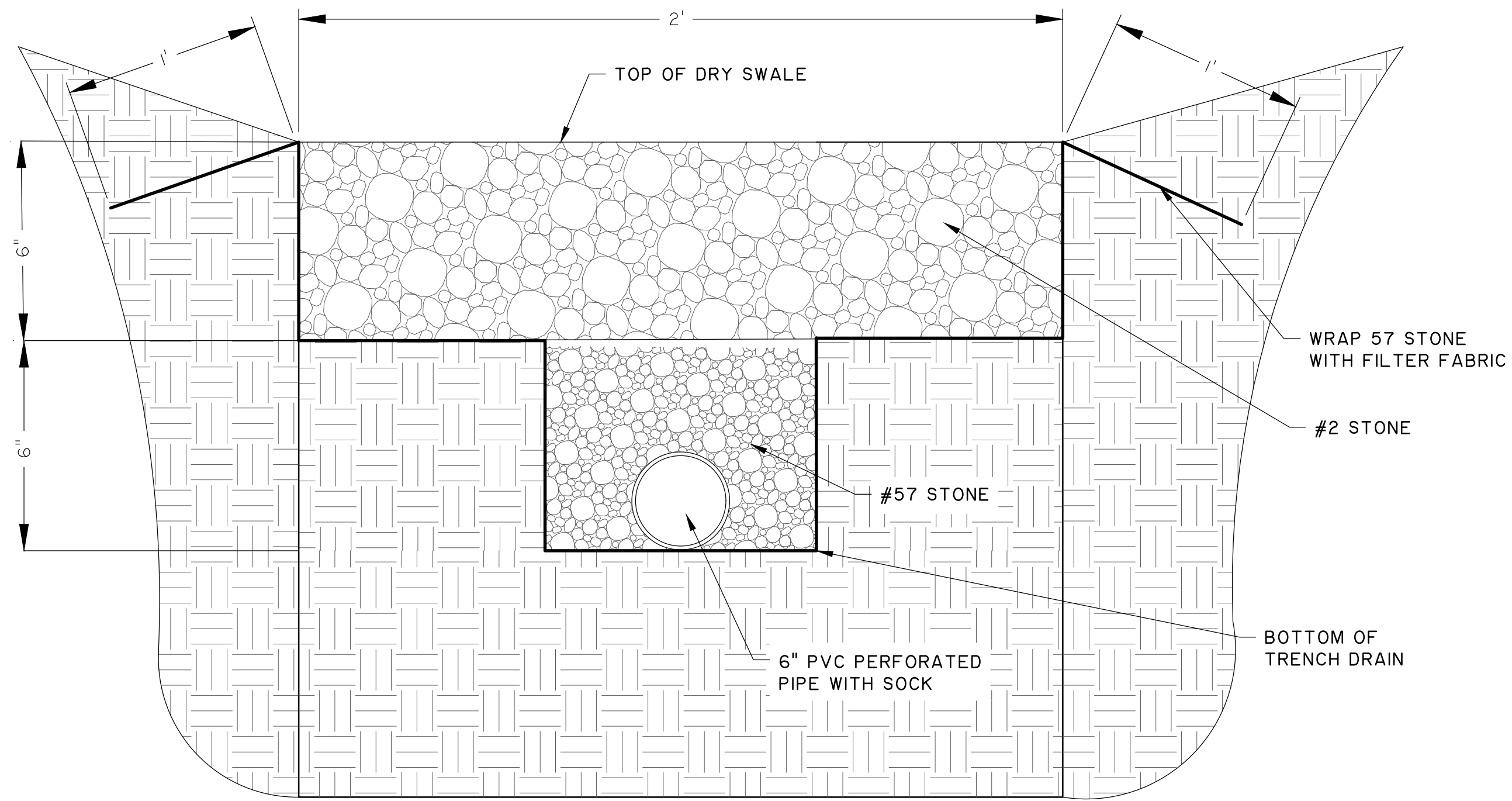
A-A



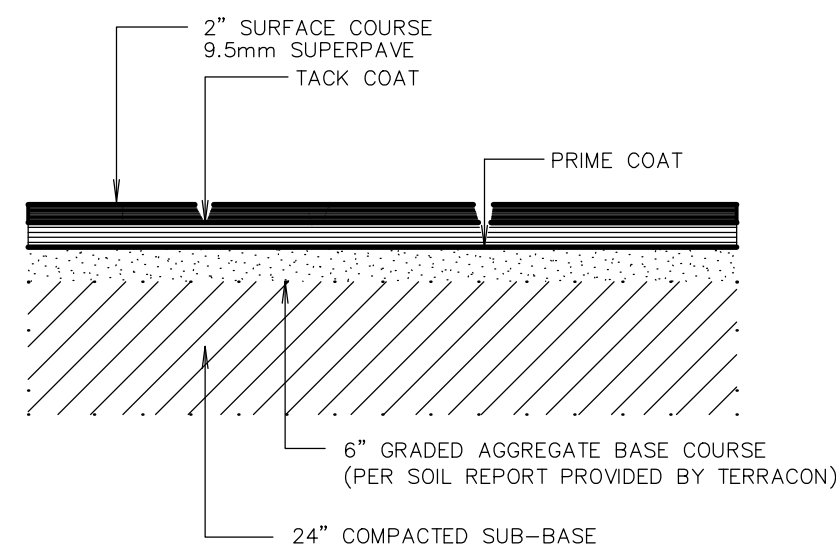
PLAN
ROOF INLET 2 DETAIL
NOT TO SCALE



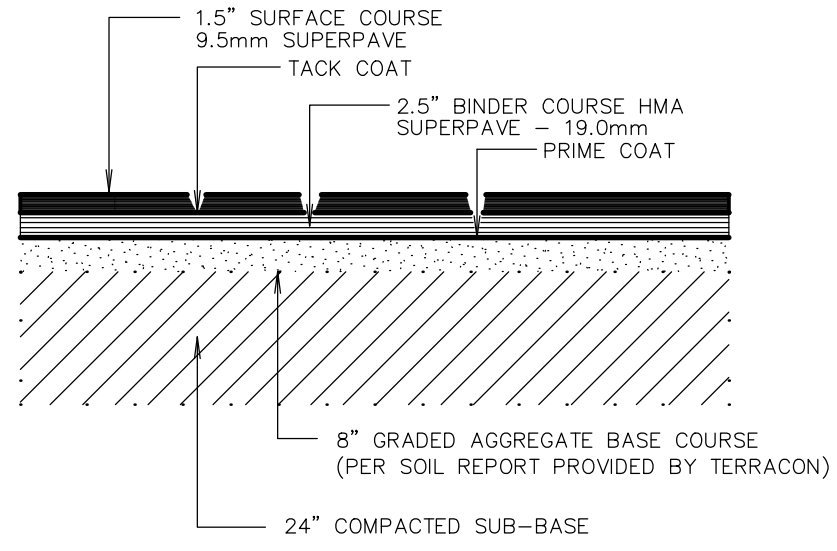
B-B



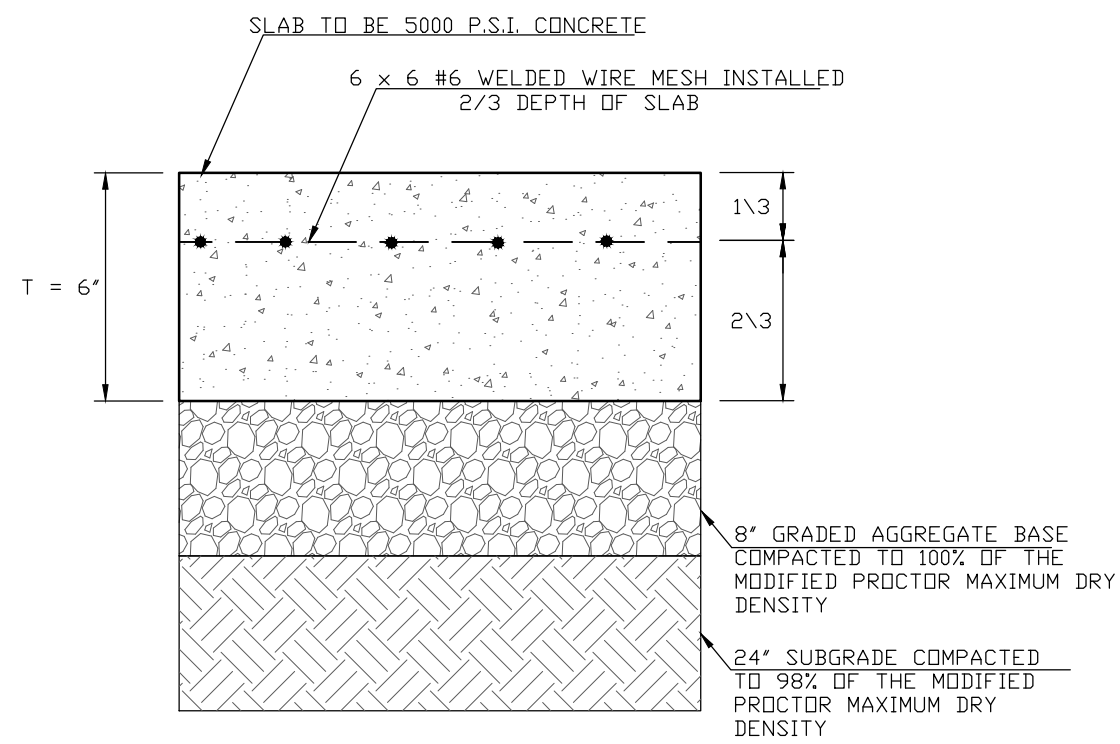
DRY SWALE DETAIL
NOT TO SCALE



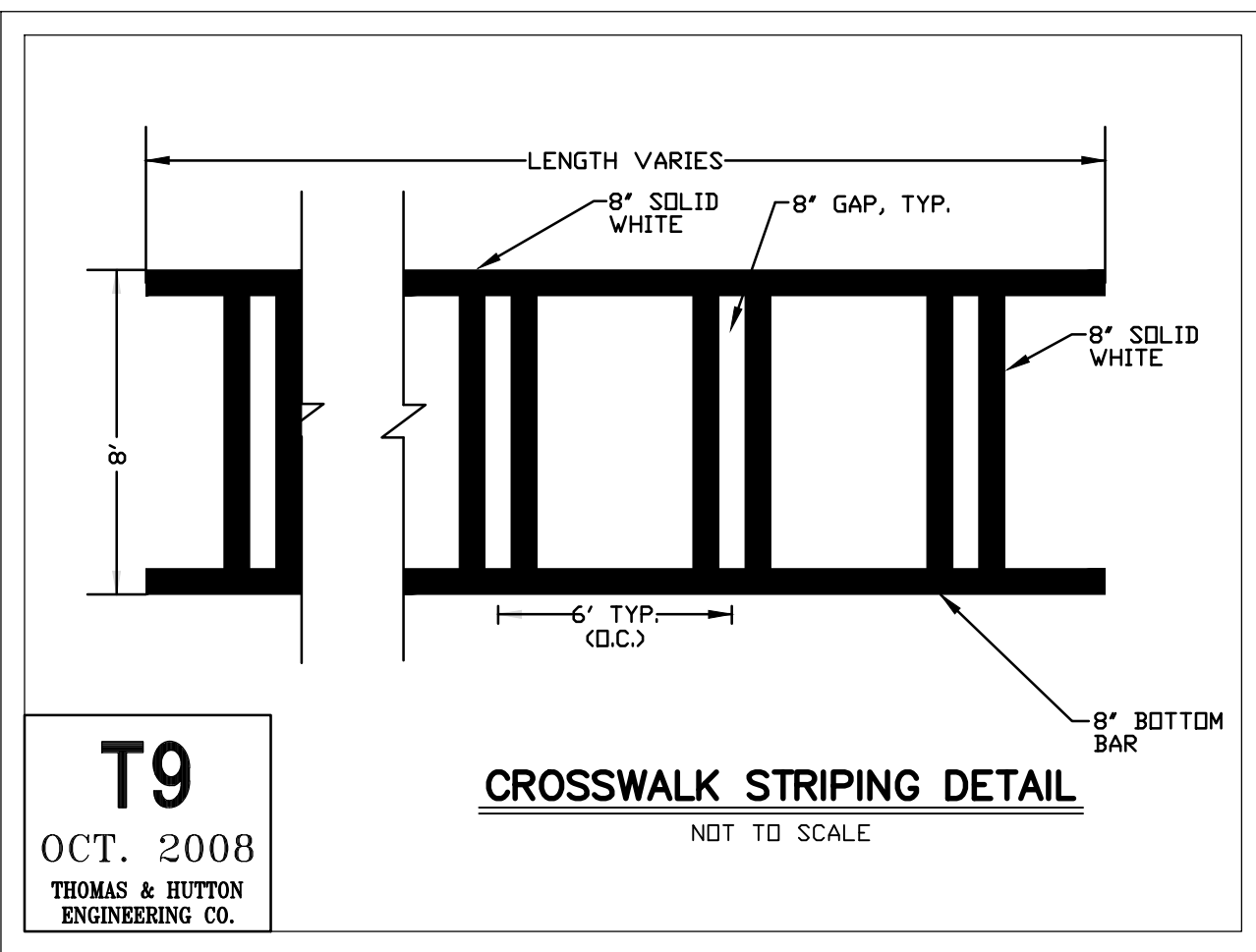
NOTE: CONTRACTOR TO VERIFY FINAL SECTION BASED UPON SOIL REPORT, PREPARED BY GHD, PRIOR TO INSTALLATION OR ORDERING OF MATERIALS.
LIGHT DUTY ASPHALT PAVEMENT
NOT TO SCALE



NOTE: CONTRACTOR TO VERIFY FINAL SECTION BASED UPON SOIL REPORT, PREPARED BY GHD, PRIOR TO INSTALLATION OR ORDERING OF MATERIALS.
HEAVY DUTY ASPHALT PAVEMENT
NOT TO SCALE

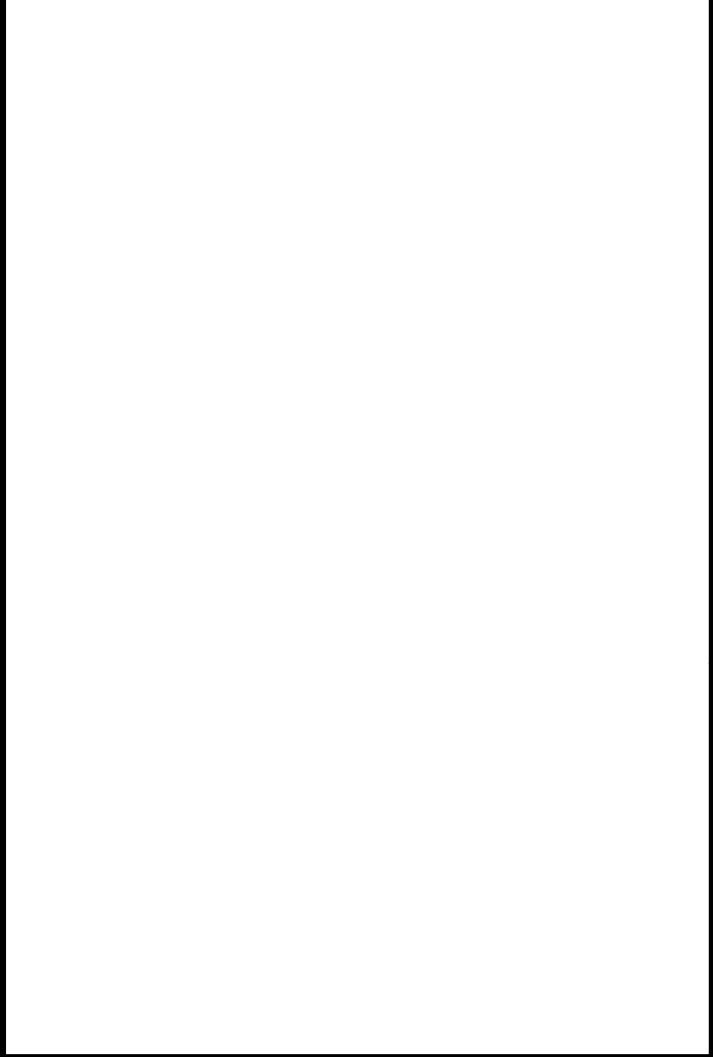


VEHICULAR CONCRETE PAVEMENT SECTION
(N.T.S.)



T9
OCT. 2008
THOMAS & HUTTON
ENGINEERING CO.

CROSSWALK STRIPING DETAIL
NOT TO SCALE



NO.	REVISIONS	BY	DATE



BID SET - NOT FOR CONSTRUCTION



50 Park of Commerce Way
Savannah, GA 31405 • 912.234.5300
www.thomasandhutton.com

PAVING & DRAINAGE DETAILS

GHOST PIRATES TRAINING FACILITY

PROJECT LOCATION:
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CLIENT/OWNER:
CITY OF PORT WENTWORTH
305 S COASTAL HWY
PORT WENTWORTH, GA 31407
912.964.4379
stevedavis@cityofportwentworth.com

DATUM: HORIZ.: NAD83

VERT.: NAVD88

JOB NO: 25412.0029
DATE:
DRAWN:
DESIGNED:
REVIEWED:
APPROVED:
SCALE: 1" = 1'

C3.4

ADDRESS: MEINHARD ROAD, PORT WENTWORTH, GA
DATE ON PLANS: 10/06/23
NAME AND EMAIL OF PERSON FILLING OUT CHECKLIST: JOHN V. GIORDANO giordano.j@tandh.com

APPROPRIATE FOR THE REGION, THE PERMITTEE MUST COMPLY WITH PART IV.D.4.(4). THESE INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED.

4. CERTIFIED PERSONNEL (PROVIDED BY PRIMARY PERMITTEE) SHALL INSPECT AT LEAST ONCE PER MONTH DURING THE TERM OF THIS PERMIT (I.E. UNTIL A NOTICE OF TERMINATION IS SUBMITTED TO EPD) THE AREA OF THE SITE THAT HAVE UNDERGONE FINAL STABILIZATION OR ESTABLISHED A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET PERENNIALS APPROPRIATE FOR THE REGION. THESE AREAS SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANT ENTERING THE DRAINAGE SYSTEM AND THE RECEIVING WATER'S EROSION AND SEDIMENTATION CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATER(S).

5. BASED ON THE RESULTS OF EACH INSPECTION, THE SITE DESCRIPTION AND THE POLLUTION PREVENTION AND CONTROL MEASURES IDENTIFIED IN THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, THE PLAN SHALL BE REVISED AS APPROPRIATE NOT LATER THAN SEVEN (7) CALENDAR DAYS FOLLOWING EACH INSPECTION. IMPLEMENTATION OF SUCH CHANGES SHALL BE MADE AS SOON AS PRACTICAL BUT IN NO CASE LATER THAN SEVEN (7) CALENDAR DAYS FOLLOWING EACH INSPECTION. THE PRIMARY PERMITTEE MUST AMEND THE PLAN IN ACCORDANCE WITH PART IV.D.4.B.(5). WHEN A SECONDARY PERMITTEE NOTIFIES THE PRIMARY PERMITTEE OF ANY PLAN DEFICIENCIES.

6. A REPORT OF EACH INSPECTION THAT INCLUDES THE NAME(S) OF CERTIFIED PERSONNEL MAKING EACH INSPECTION, THE DATE(S) OF EACH INSPECTION, CONSTRUCTION PHASE (I.E. INITIAL, INTERMEDIATE OR FINAL), OBSERVATIONS, AND ACTIONS TAKEN TO IMPROVE THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, AND ACTIONS TAKEN IN ACCORDANCE WITH PART IV.D.4.(5). OF THE PERMIT SHALL BE MADE AND RETAINED AT THE SITE OR BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION UNTIL THE ENTIRE SITE OR THAT PORTION OF A CONSTRUCTION SITE THAT HAS BEEN PHASED HAS UNDERGONE FINAL STABILIZATION AND A NOTICE OF TERMINATION IS SUBMITTED TO EPD. SUCH REPORTS SHALL BE READILY AVAILABLE BY END OF THE SECOND BUSINESS DAY AND/OR WORKING DAY AND SHALL IDENTIFY ALL INCIDENTS OF BEST MANAGEMENT PRACTICES THAT HAVE NOT BEEN PROPERLY INSTALLED AND/OR MAINTAINED AS DESCRIBED IN THE PLAN. WHERE THE REPORT DOES NOT IDENTIFY AN INCIDENT, THE INSPECTION REPORT SHALL CONTAIN A CERTIFICATION THAT THE BEST MANAGEMENT PRACTICES ARE IN COMPLIANCE WITH THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN. THE REPORT SHALL BE SIGNED IN ACCORDANCE WITH PART V.6.2 OF THIS PERMIT.

EC0.2	YES
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THIS PERMIT REQUIRES THE MONITORING OF NEPHELOMETRIC TURBIDITY IN RECEIVING WATER(S) OR OUTFALLS IN ACCORDANCE WITH THIS PERMIT. THIS SECTION IS APPLICABLE TO PRIMARY PERMITTEES WITH A TOTAL PLANNED DISTURBANCE EQUAL TO OR GREATER THAN ONE (1) ACRE AND TERTIARY PERMITTEES WITH A TOTAL PLANNED DISTURBANCE EQUAL TO OR GREATER THAN FIVE (5) ACRES. THIS SECTION IS NOT APPLICABLE TO SECONDARY PERMITTEES. THE FOLLOWING PROCEDURES CONSTITUTE EPD'S GUIDELINES FOR SAMPLING TURBIDITY.

SAMPLE TYPE, ALL SAMPLING SHALL BE COLLECTED BY "GRAB SAMPLES" AND THE ANALYSIS OF THESE SAMPLES MUST BE CONDUCTED IN ACCORDANCE WITH METHODOLOGY AND TEST PROCEDURES ESTABLISHED BY 40 CFR PART 136 (UNLESS OTHER TEST PROCEDURES HAVE BEEN APPROVED); THE GUIDANCE DOCUMENT TITLED "NPDES STORM WATER SAMPLING GUIDANCE DOCUMENT, EPA 833-B-92-001" AND GUIDANCE DOCUMENTS THAT MAY BE PREPARED BY THE EPD.

1. SAMPLE CONTAINERS SHOULD BE LABELED PRIOR TO COLLECTING THE SAMPLES
2. SAMPLES SHOULD BE WELL MIXED BEFORE TRANSFERRING TO A SECONDARY CONTAINER.
3. LARGE MOUTH, WELL CLEANED AND RINSED GLASS OR PLASTIC JARS SHOULD BE USED FOR COLLECTING SAMPLES. THE JARS SHOULD BE CLEANED THOROUGHLY TO AVOID CONTAMINATION.
4. MANUAL, AUTOMATIC OR RISING STAGE SAMPLING MAY BE UTILIZED. SAMPLES REQUIRED BY THIS PERMIT SHOULD BE ANALYZED IMMEDIATELY, BUT IN NO CASE LATER THAN 48 HOURS AFTER COLLECTION. HOWEVER, SAMPLES FROM AUTOMATIC SAMPLERS MUST BE COLLECTED NO LATER THAN THE NEXT BUSINESS DAY AFTER THEIR ACCUMULATION, UNLESS FLOW THROUGH AUTOMATED ANALYSIS IS UTILIZED. IF AUTOMATIC SAMPLING IS UTILIZED AND THE AUTOMATIC SAMPLER IS NOT ACTIVATED DURING THE QUALIFYING EVENT, THE PERMITTEE MUST UTILIZE MANUAL SAMPLING OR RISING STAGE SAMPLING DURING THE NEXT QUALIFYING EVENT. DILUTION OF SAMPLES IS NOT REQUIRED. SAMPLES MAY BE ANALYZED DIRECTLY WITH A PROPERLY CALIBRATED TURBIDIMETER. SAMPLES ARE NOT REQUIRED TO BE COOLED.
5. SAMPLING AND ANALYSIS OF THE RECEIVING WATER(S) OR OUTFALLS BEYOND THE MINIMUM FREQUENCY STATED IN THE PERMIT MUST BE REPORTED TO EPD AS SPECIFIED IN PART I.V.E. OF THE PERMIT.

c. SAMPLING POINTS: THERE WILL BE 2 STORM WATER SAMPLING LOCATIONS. THE SAMPLING LOCATION WILL BE THE UPSTREAM AND DOWNSTREAM POINTS, PER NPDES PERMIT GAR 100001, FOR CONSTRUCTION ACTIVITIES, THE PRIMARY PERMITTEE MUST COMPLETE ALL SAMPLING.

1. FOR CONSTRUCTION ACTIVITIES THE PRIMARY PERMITTEE WITH A TOTAL PLANNED DISTURBANCE EQUAL TO OR GREATER THAN ONE (1) ACRE AND TERTIARY PERMITTEE WITH A TOTAL PLANNED DISTURBANCE EQUAL TO OR GREATER THAN FIVE (5) ACRES MUST SAMPLE ALL RECEIVING WATER(S), OR ALL OUTFALL(S), OR A COMBINATION OF RECEIVING WATER(S) AND OUTFALL(S). SAMPLES TAKEN FOR THE PURPOSE OF COMPLIANCE WITH THIS PERMIT SHALL BE REPRESENTATIVE OF THE MONITORED ACTIVITY AND REPRESENTATIVE OF THE WATER QUALITY OF THE RECEIVING WATER(S) AND/OR THE STORMWATER OUTFALLS USING THE FOLLOWING MINIMUM GUIDELINES:
 - A. THE UPSTREAM SAMPLE FOR EACH RECEIVING WATER(S) MUST BE TAKEN IMMEDIATELY UPSTREAM OF THE CONFLUENCE OF THE FIRST STORM WATER DISCHARGE FROM THE PERMITTED ACTIVITY (I.E., THE DISCHARGE FARTHEST UPSTREAM AT THE SITE) BUT DOWNSTREAM OF ANY OTHER STORM WATER DISCHARGES NOT ASSOCIATED WITH THE PERMITTED ACTIVITY, WHERE APPROPRIATE, SEVERAL UPSTREAM SAMPLES FROM ACROSS THE RECEIVING WATER(S) MAY NEED TO BE TAKEN AND THE ARITHMETIC AVERAGE OF THE TURBIDITY OF THESE SAMPLES USED FOR THE UPSTREAM TURBIDITY VALUE.
 - B. THE DOWNSTREAM SAMPLE FOR EACH RECEIVING WATER(S) MUST BE TAKEN DOWNSTREAM OF THE CONFLUENCE OF THE LAST STORM WATER DISCHARGE FROM THE PERMITTED ACTIVITY (I.E., THE DISCHARGE FARTHEST DOWNSTREAM AT THE SITE) BUT UPSTREAM OF ANY OTHER STORM WATER DISCHARGE NOT ASSOCIATED WITH THE PERMITTED ACTIVITY. WHERE APPROPRIATE, SEVERAL DOWNSTREAM SAMPLES FROM ACROSS THE RECEIVING WATER(S) MAY NEED TO BE TAKEN AND THE ARITHMETIC AVERAGE OF THE TURBIDITY OF THESE SAMPLES USED FOR THE DOWNSTREAM TURBIDITY VALUE.
 - C. IDEALLY THE SAMPLES SHOULD BE TAKEN FROM THE HORIZONTAL AND VERTICAL CENTER OF THE RECEIVING WATER(S) OR THE STORM WATER OUTFALL CHANNEL(S).
 - D. CARE SHOULD BE TAKEN TO AVOID STIRRING THE BOTTOM SEDIMENTS IN THE RECEIVING WATER(S) OR IN THE OUTFALL STORM WATER CHANNEL.
 - E. THE SAMPLING CONTAINER SHOULD BE HELD SO THAT THE OPENING FACES UPSTREAM.
 - F. THE SAMPLES SHOULD BE KEPT FREE FROM FLOATING DEBRIS.
6. PERMITTEES DO NOT HAVE TO SAMPLE SHEETFLOW THAT FLOWS ONTO UNDISTURBED NATURAL AREAS OR AREAS STABILIZED BY THE PROJECT. FOR PURPOSES OF THIS SECTION, STABILIZED SHALL MEAN, FOR UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES AND AREAS LOCATED OUTSIDE THE WASTE DISPOSAL LIMITS OF A LANDFILL CELL THAT HAS BEEN CERTIFIED BY EPD FOR WASTE DISPOSAL, 100% OF THE SOIL SURFACE IS UNIFORMLY COVERED IN PERMANENT VEGETATION WITH A DENSITY OF 70% OR GREATER, OR LANDSCAPED ACCORDING TO THE PLAN (UNIFORMLY COVERED WITH LANDSCAPING MATERIALS IN PLANNED LANDSCAPED AREAS), OR EQUIVALENT PERMANENT STABILIZATION MEASURES AS DEFINED IN THE MANUAL (EXCLUDING A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET CROP PERENNIALS APPROPRIATE FOR THE REGION).
- h. ALL SAMPLING PURSUANT TO THIS PERMIT MUST BE DONE IN SUCH A WAY (INCLUDING GENERALLY ACCEPTED SAMPLING METHODS, LOCATIONS, TIMING AND FREQUENCY) AS TO ACCURATELY REFLECT WHETHER STORM WATER RUNOFF FROM THE CONSTRUCTION SITE IS IN COMPLIANCE WITH THE STANDARD SET FORTH IN PARTS III.D.3. OR III.D.4., WHICHEVER IS APPLICABLE.

d. SAMPLING FREQUENCY

1. THE PRIMARY PERMITTEE WITH A TOTAL PLANNED DISTURBANCE EQUAL TO OR GREATER THAN ONE (1) ACRE AND TERTIARY PERMITTEE WITH A TOTAL PLANNED DISTURBANCE EQUAL TO OR GREATER THAN FIVE (5) ACRES MUST SAMPLE IN ACCORDANCE WITH THE PLAN AT LEAST ONCE FOR EACH RAINFALL EVENT DESCRIBED BELOW. FOR A QUALIFYING EVENT, THE PERMITTEE SHALL SAMPLE AT THE BEGINNING OF ANY STORM WATER DISCHARGE TO A MONITORED RECEIVING WATER AND/OR FROM A MONITORED OUTFALL LOCATION WITHIN FORTY-FIVE (45) MINUTES OR AS SOON AS POSSIBLE.
2. HOWEVER, WHERE MANUAL AND AUTOMATIC SAMPLING ARE IMPOSSIBLE (AS DEFINED IN THIS PERMIT), OR ARE BEYOND THE PERMITTEE'S CONTROL, THE PERMITTEE SHALL TAKE SAMPLES AS SOON AS POSSIBLE, BUT IN NO CASE MORE THAN TWELVE (12) HOURS AFTER THE BEGINNING OF THE STORM WATER DISCHARGE.

* NOTE THAT THE PERMITTEE MAY CHOOSE TO MEET THE REQUIREMENTS OF (A) AND (B) ABOVE BY COLLECTING TURBIDITY SAMPLES FROM ANY RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH AND ALLOWS FOR SAMPLING AT ANY TIME OF THE DAY OR WEEK.

THE APPLICABLE PERMITTEES ARE REQUIRED TO SUBMIT THE SAMPLING RESULTS TO THE EPD AT THE ADDRESS SHOWN IN PART I.I.C BY THE FIFTEENTH DAY OF THE MONTH FOLLOWING THE REPORTING PERIOD. REPORTING PERIODS ARE MONTHS DURING WHICH SAMPLES ARE TAKEN IN ACCORDANCE WITH THIS PERMIT. SAMPLING RESULTS SHALL BE IN A CLEARLY LEGIBLE FORMAT. UPON WRITTEN NOTIFICATION, EPD MAY REQUIRE THE APPLICABLE PERMITTEE TO SUBMIT THE SAMPLING RESULTS ON A MORE FREQUENT BASIS. SAMPLING AND ANALYSIS OF ANY STORM WATER DISCHARGE(S) OR THE RECEIVING WATER(S) BEYOND THE MINIMUM FREQUENCY STATED IN THIS PERMIT MUST BE REPORTED IN A SIMILAR MANNER TO THE EPD. THE SAMPLING REPORTS MUST BE SIGNED IN ACCORDANCE WITH PART V.G.2. SAMPLING REPORTS MUST BE SUBMITTED TO EPD USING THE ELECTRONIC SUBMITTAL SERVICE PROVIDED BY EPD. SAMPLING REPORTS MUST BE SUBMITTED TO EPD UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI.

EPD OFFICE: COASTAL DISTRICT - BRUNSWICK OFFICE
GEORGIA ENVIRONMENTAL PROTECTION DIVISION
400 COMMERCE CENTER DRIVE
BRUNSWICK, GA 31523-8687
912-264-7284

GSWCC LEVEL L2
DESIGN PROFESSIONAL
CERTIFICATION #
0000044941
EXPIRES : 1/1/2025



**THOMAS
&
HUTTON**

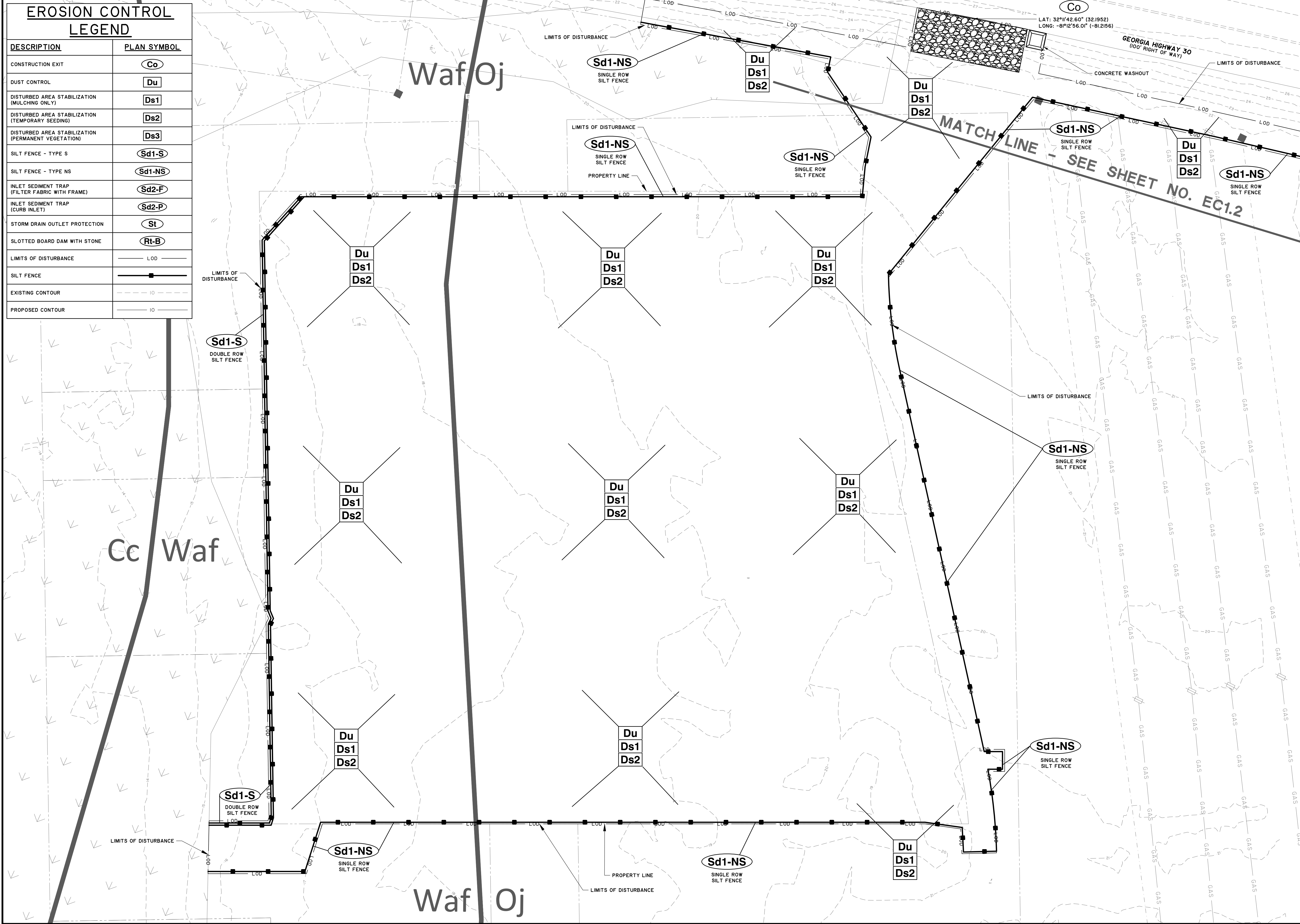
ES & PC NOTES

PROJECT LOCATION:
HIGHWAY 30
PORT WENTWORTH, GA 31407

JOB NO:	25412.0029
DATE:	10/06/23
DRAWN:	KHT
DESIGNED:	MRE
REVIEWED:	JVG
APPROVED:	JVG
SCALE:	1" = 1'

ECO.2

DESCRIPTION	PLAN SYMBOL
CONSTRUCTION EXIT	
DUST CONTROL	
DISTURBED AREA STABILIZATION (MULCHING ONLY)	
DISTURBED AREA STABILIZATION (TEMPORARY SEEDING)	
DISTURBED AREA STABILIZATION (PERMANENT VEGETATION)	
SILT FENCE - TYPE S	
SILT FENCE - TYPE NS	
INLET SEDIMENT TRAP (FILTER FABRIC WITH FRAME)	
INLET SEDIMENT TRAP (CURB INLET)	
STORM DRAIN OUTLET PROTECTION	
SLOTTED BOARD DAM WITH STONE	
LIMITS OF DISTURBANCE	
SILT FENCE	
EXISTING CONTOUR	
PROPOSED CONTOUR	



<u>SYMBOL</u>	<u>DESCRIPTION</u>	<u>HYDROLOGIC RATING</u>
Cc	CAPE FEAR SOILS	C/D
Cx	CRAVEN LOAMY FINE SAND	B/D
OJ	OCILLA COMPLEX	B/D
Pn	POOLER FINE SANDY LOAM	B/D
Waf	WAHEE SANDY LOAM	C/D

NO.	REVISIONS	BY	DATE

GSWCC LEVEL L2
DESIGN PROFESSIONAL
CERTIFICATION #
0000044941
EXPIRES : 1/1/2025



BID SET - NOT FOR CONSTRUCTION



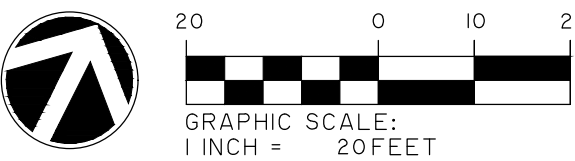
www.thomasandhutton.com

ES & PC PLAN - INITIAL PHASE

PORT WENTWORTH FIRE
STATION

PROJECT LOCATION:
HIGHWAY 30
PORT WENTWORTH, GA 31407

CLIENT/OWNER:
CITY OF PORT WENTWORTH
7224 GA HIGHWAY 21
PORT WENTWORTH, GA 31407
STEVE DAVIS
stevedavis@cityofportwentworth.com



DATUM: HORIZ.: VERT.: NAVD8

JOB NO:	25412.0029
DATE:	10/06/23
DRAWN:	KHT
DESIGNED:	MRE
REVIEWED:	JVG
APPROVED:	JVG
SCALE:	1" = 20'

EC1.1

Waf Oj

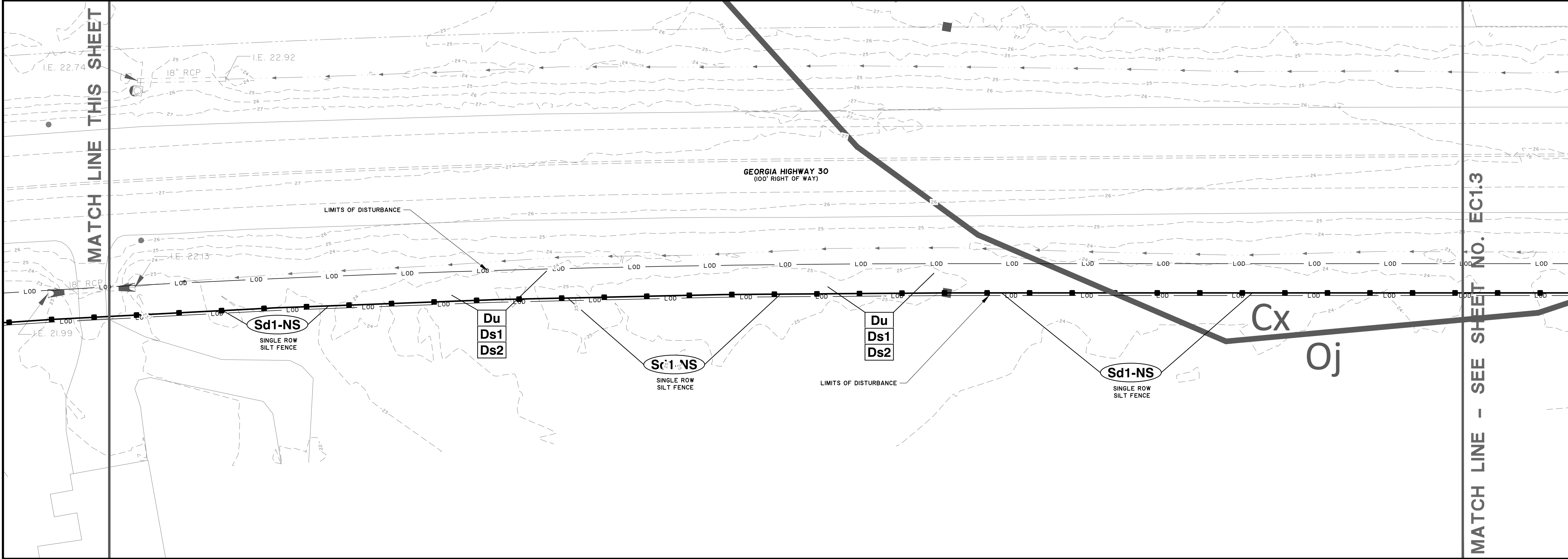
EROSION CONTROL LEGEND







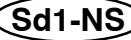





DESCRIPTION	PLAN SYMBOL
CONSTRUCTION EXIT	(Co)
DUST CONTROL	[Du]
DISTURBED AREA STABILIZATION (MULCHING ONLY)	[Ds1]
DISTURBED AREA STABILIZATION (TEMPORARY SEEDING)	[Ds2]
DISTURBED AREA STABILIZATION (PERMANENT VEGETATION)	[Ds3]
SILT FENCE - TYPE S	(Sd1-S)
SILT FENCE - TYPE NS	(Sd1-NS)
INLET SEDIMENT TRAP (FILTER FABRIC WITH FRAME)	(Sd2-F)
INLET SEDIMENT TRAP (CURB INLET)	(Sd2-P)
STORM DRAIN OUTLET PROTECTION	(St)
SLOTTED BOARD DAM WITH STONE	(Rt-B)
LIMITS OF DISTURANCE	— LOD —
SILT FENCE	— [dot] —
EXISTING CONTOUR	- - - IO - - -
PROPOSED CONTOUR	———— IO ————

The plan shows a construction site adjacent to Georgia Highway 30. Key features include:

- Construction Exit (Co):** Located at the top right, with coordinates L.A.T: 32°11'42.60" (321952) and LONG: -81°12'56.01" (-812156).
- Dust Control (Du):** Indicated by rectangular boxes labeled Du, Du/Ds1/Ds2, and Du/Ds1/Ds2.
- Sediment Traps:** Inlet Sediment Traps (Sd2-F and Sd2-P) are shown near the construction exit.
- Silt Fences:** Single Row Silt Fences (Sd1-NS) are placed along the limits of disturbance.
- Storm Drain Outlet Protection:** A slot board dam (Rt-B) is located near the bottom left.
- Geographic Features:** The plan includes contour lines (IO), existing and proposed contours, and labels for "LIMITS OF DISTURANCE" and "MATCH LINE - SEE SHEET NO. EC1.2".

THIS SHEET MATCH LINE



<h1 style="text-align: center; margin: 0;">EROSION CONTROL</h1> <h2 style="text-align: center; margin: 0;">LEGEND</h2>	
DESCRIPTION	PLAN SYMBOL
CONSTRUCTION EXIT	
DUST CONTROL	
DISTURBED AREA STABILIZATION (MULCHING ONLY)	
DISTURBED AREA STABILIZATION (TEMPORARY SEEDING)	
DISTURBED AREA STABILIZATION (PERMANENT VEGETATION)	
SILT FENCE - TYPE S	
SILT FENCE - TYPE NS	
INLET SEDIMENT TRAP (FILTER FABRIC WITH FRAME)	
INLET SEDIMENT TRAP (CURB INLET)	
STORM DRAIN OUTLET PROTECTION	
SLOTTED BOARD DAM WITH STONE	
LIMITS OF DISTURBANCE	———— LOD ————
SILT FENCE	
EXISTING CONTOUR	- - - - - 10 - - - - -
PROPOSED CONTOUR	————— 10 —————

SOIL SERIES LEGEND:		
<u>SYMBOL</u>	<u>DESCRIPTION</u>	<u>HYDROLOGIC RATING</u>
Cc	CAPE FEAR SOILS	C/D
Cx	CAVERN LOAMY FINE SAND	B/D
Oj	OCELLA COMPLEX	B/D
Pn	POOLER FINE SANDY LOAM	B/D
Wof	WAHEE SANDY LOAM	C/D

No.	REVISIONS	BY	DATE

GSWCC LEVEL L2
DESIGN PROFESSIONAL
CERTIFICATION #
0000044941
EXPIRES : 1/1/2025

The seal is circular with "GEORGIA" at the top and "ENGINEER" at the bottom. The name "JOHN VINCENT GIORDANO" is written around the inner circle. In the center, it says "No. 034622" and "PROFESSIONAL". A blue ink signature is written across the seal.

BID SET - NOT FOR CONSTRUCTION



**THOMAS
&
HUTTON**

50 Park of Commerce Way
Savannah, GA 31405 • 912.234.5300

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ES & PC PLAN - INITIAL
PHASE

PORT WENTWORTH FIRE
STATION

PROJECT LOCATION:
HIGHWAY 30
PORT WENTWORTH, GA 31407

CLIENT/OWNER:
CITY OF PORT WENTWORTH
7224 GA HIGHWAY 21
PORT WENTWORTH, GA 31407
STEVE DAVIS
stevedavis@cityofportwentworth.com

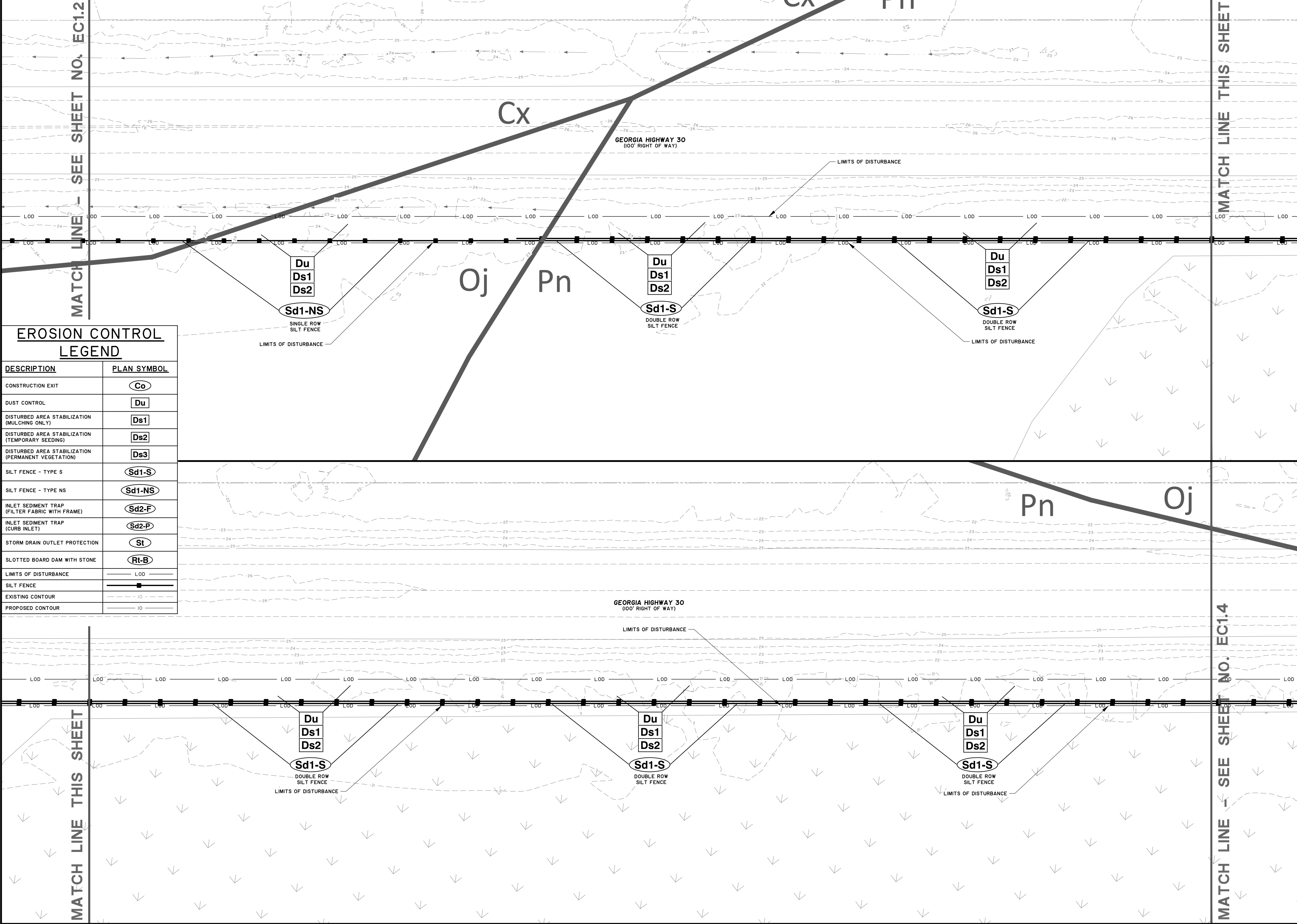
20 0 10 20

GRAPHIC SCALE:
1 INCH = 20 FEET

20 0 10 20

GRAPHIC SCALE:
1 INCH = 20 FEET

23:44:03.354:2025.0029:UNDERGROUND UTILITIES CONSTRUCTION PLANS PHASE 1 - FINE STATION CONSTRUCTION PLANS 31405.0009-EC1.3-UPDATES - 04.16.2025 - 8:25 AM



EROSION CONTROL LEGEND

DESCRIPTION	PLAN SYMBOL
CONSTRUCTION EXIT	
DUST CONTROL	
DISTURBED AREA STABILIZATION (MULCHING ONLY)	
DISTURBED AREA STABILIZATION (TEMPORARY SEEDING)	
DISTURBED AREA STABILIZATION (PERMANENT VEGETATION)	
SILT FENCE - TYPE S	
SILT FENCE - TYPE NS	
INLET SEDIMENT TRAP (FILTER FABRIC WITH FRAME)	
INLET SEDIMENT TRAP (CURB INLET)	
STORM DRAIN OUTLET PROTECTION	
SLOTTED BOARD DAM WITH STONE	
LIMITS OF DISTURBANCE	
SILT FENCE	
EXISTING CONTOUR	
PROPOSED CONTOUR	

SOIL SERIES LEGEND:

SYMBOL	DESCRIPTION	HYDROLOGIC RATING
Co	CAPE FEAR SOILS	C/D
Cx	CRAVEN LOAMY FINE SAND	B/D
Oj	OCILLA COMPLEX	B/D
Pn	POOLER FINE SANDY LOAM	B/D
Waf	WAHEE SANDY LOAM	C/D

NO.	REVISIONS	BY	DATE

GSWCC LEVEL L2
DESIGN PROFESSIONAL
CERTIFICATION #
0000044941
EXPIRES : 1/1/2025

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**ES & PC PLAN - INITIAL
PHASE**

**PORT WENTWORTH FIRE
STATION**

PROJECT LOCATION:
HIGHWAY 30
PORT WENTWORTH, GA 31407

CLIENT/OWNER:
CITY OF PORT WENTWORTH
7224 GA HIGHWAY 21
PORT WENTWORTH, GA 31407
STEVE DAVIS
stevedavis@cityofportwentworth.com

20 0 10 20
GRAPHIC SCALE:
1 INCH = 20 FEET

20 0 10 20
GRAPHIC SCALE:
1 INCH = 20 FEET

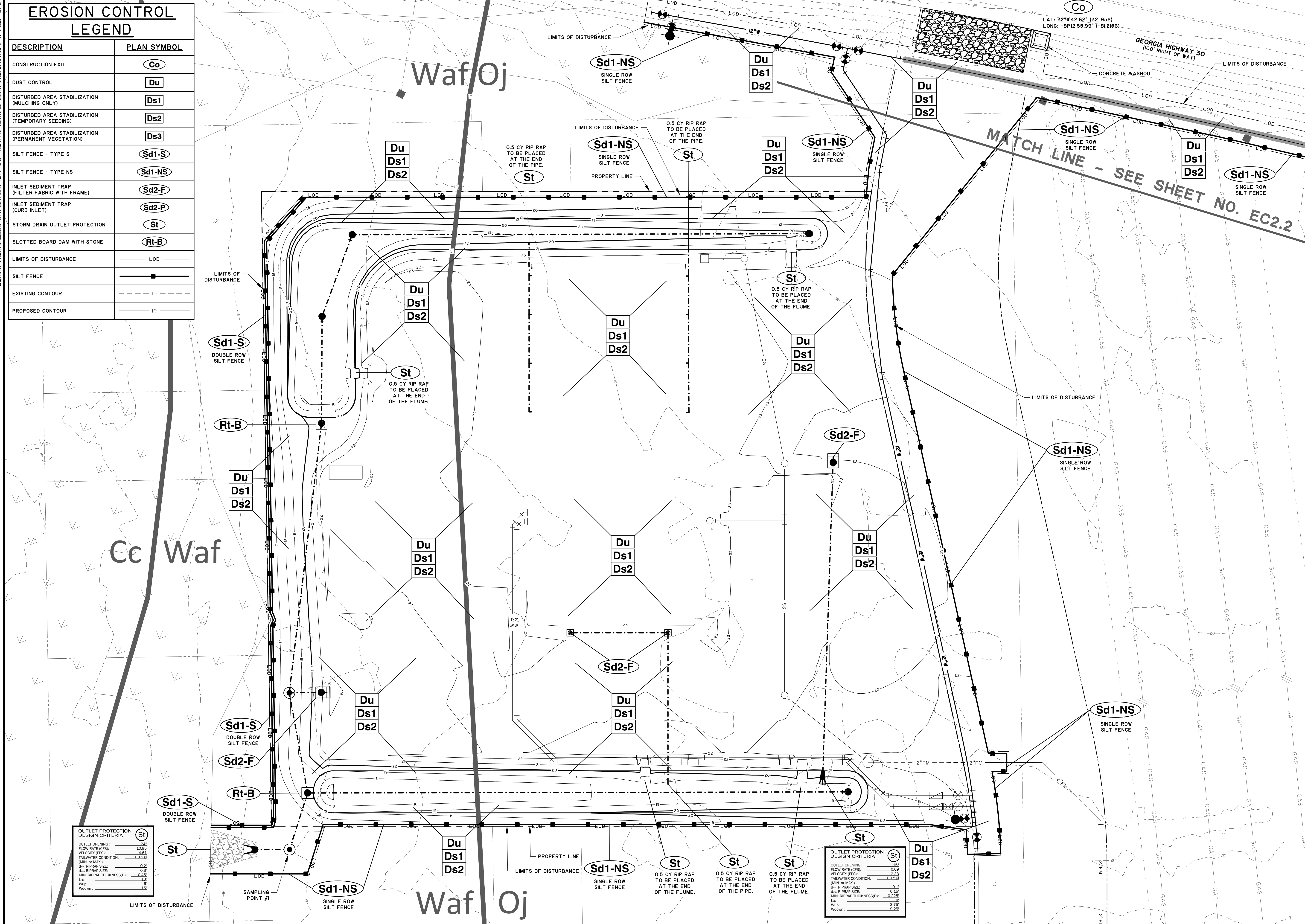
DATUM: HORIZ.: NAD83 VERT.: NAVD86

JOB NO: 25412.0029
DATE: 10/06/23
DRAWN: KHT
DESIGNED: MRE
REVIEWED: JVG
APPROVED: JVG
SCALE: 1" = 20'

EC1.3

[illegible]

EROSION CONTROL LEGEND	
DESCRIPTION	PLAN SYMBOL
CONSTRUCTION EXIT	Co
DUST CONTROL	Du
DISTURBED AREA STABILIZATION (MULCHING ONLY)	Ds1
DISTURBED AREA STABILIZATION (TEMPORARY SEEDING)	Ds2
DISTURBED AREA STABILIZATION (PERMANENT VEGETATION)	Ds3
SILT FENCE - TYPE S	Sd1-S
SILT FENCE - TYPE NS	Sd1-NS
INLET SEDIMENT TRAP (FILTER FABRIC WITH FRAME)	Sd2-F
INLET SEDIMENT TRAP (CURB INLET)	Sd2-P
STORM DRAIN OUTLET PROTECTION	St
SLOTTED BOARD DAM WITH STONE	Rt-B
LIMITS OF DISTURBANCE	LOD
SILT FENCE	—■—
EXISTING CONTOUR	- - - 10
PROPOSED CONTOUR	— 10



SOIL SERIES LEGEND:

SYMBOL	DESCRIPTION	HYDROLOGIC RATING
Co	CAPE FEAR SOILS	C/D
Cx	CRAVEN LOAMY FINE SAND	B/D
Oj	OCILLA COMPLEX	B/D
Pn	POOLER FINE SANDY LOAM	B/D
Waf	WAHEE SANDY LOAM	C/D

NO.	REVISIONS	BY	DATE

GSWCC LEVEL L2
DESIGN PROFESSIONAL
CERTIFICATION #
0000044941
EXPIRES : 1/1/2025

BID SET - NOT FOR CONSTRUCTION

THOMAS & HUTTON

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ES & PC PLAN -
INTERMEDIATE PHASE

PORT WENTWORTH FIRE
STATION

PROJECT LOCATION:
HIGHWAY 30
PORT WENTWORTH, GA 31407

CLIENT/OWNER:
CITY OF PORT WENTWORTH
7224 GA HIGHWAY 21
PORT WENTWORTH, GA 31407
STEVE DAVIS
stevedavis@cityofportwentworth.com

OUTLET PROTECTION
DESIGN CRITERIA

OUTLET OPENING: 24"
FLOW RATE (CFS): 10.95
VELOCITY (FPS): 4.84
TAILWATER CONDITION: < 0.5 ft
(MIN. or MAX.): 0.2'
d₅₀ RIPRAP SIZE: 0.3'
MIN. RIPRAP THICKNESS: 0.42'
L₅₀: 13'
W₅₀: 6'
W₁₀₀: 10'

OUTLET PROTECTION
DESIGN CRITERIA

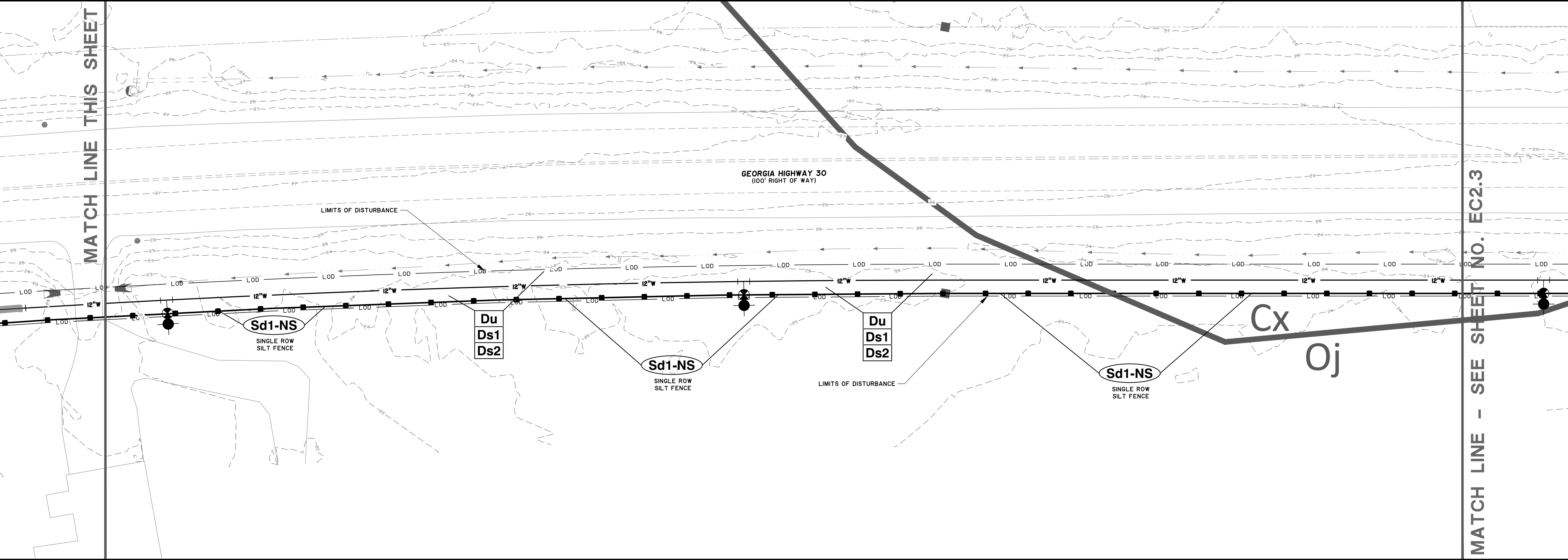
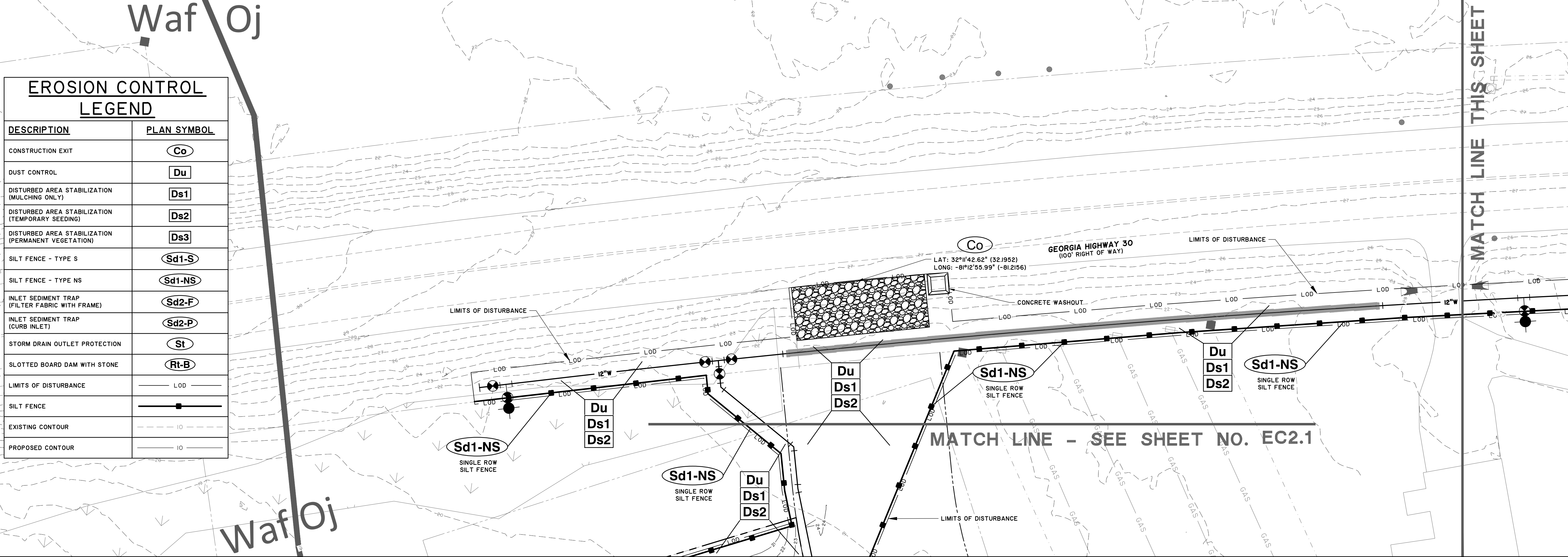
OUTLET OPENING: 15"
FLOW RATE (CFS): 0.89
VELOCITY (FPS): 2.33
TAILWATER CONDITION: < 0.5 ft
(MIN. or MAX.): 0.1'
d₅₀ RIPRAP SIZE: 0.15'
MIN. RIPRAP THICKNESS: 0.222'
L₅₀: 6'
W₅₀: 3.75'
W₁₀₀: 9.25'

DATUM: HORIZ: VERT: NAVD86

JOB NO: 25412.0029
DATE: 10/06/23
DRAWN: KHT
DESIGNED: MRE
REVIEWED: JVG
APPROVED: JVG
SCALE: 1" = 20'

EC2.1

25412.0029.DWG (DRAWING) - 11/11/2023 11:11:11 AM - 11/11/2023 11:11:11 AM - 11/11/2023 11:11:11 AM - 11/11/2023 11:11:11 AM



EROSION CONTROL LEGEND	
DESCRIPTION	PLAN SYMBOL
CONSTRUCTION EXIT	Co
DUST CONTROL	Du
DISTURBED AREA STABILIZATION (MULCHING ONLY)	Ds1
DISTURBED AREA STABILIZATION (TEMPORARY SEEDING)	Ds2
DISTURBED AREA STABILIZATION (PERMANENT VEGETATION)	Ds3
SILT FENCE - TYPE S	Sd1-S
SILT FENCE - TYPE NS	Sd1-NS
INLET SEDIMENT TRAP (FILTER FABRIC WITH FRAME)	Sd2-F
INLET SEDIMENT TRAP (CURB INLET)	Sd2-P
STORM DRAIN OUTLET PROTECTION	St
SLOTTED BOARD DAM WITH STONE	Rt-B
LIMITS OF DISTURBANCE	LOD
SILT FENCE	12\"W
EXISTING CONTOUR	10
PROPOSED CONTOUR	10

SOIL SERIES LEGEND:

SYMBOL	DESCRIPTION	HYDROLOGIC RATING
Cx	CAPE FEAR SOILS	C/D
Oj	OCILLA COMPLEX	B/D
Pn	POOLER FINE SANDY LOAM	B/D
Waf	WAHEE SANDY LOAM	C/D

NO.	REVISIONS	BY	DATE

GSWCC LEVEL L2
DESIGN PROFESSIONAL
CERTIFICATION #
0000044941
EXPIRES : 1/1/2025

BID SET - NOT FOR CONSTRUCTION

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ES & PC PLAN -
INTERMEDIATE PHASE

PORT WENTWORTH FIRE
STATION







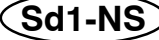




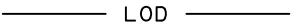



PROJECT LOCATION:
HIGHWAY 30
PORT WENTWORTH, GA 31407

CLIENT/OWNER:
CITY OF PORT WENTWORTH
7224 GA HIGHWAY 21
PORT WENTWORTH, GA 31407
STEVE DAVIS
stevedavis@cityofportwentworth.com

DATUM: HORIZ.: NAD83 VERT.: NAVD86

JOB NO: 25412.0029
DATE: 10/06/23
DRAWN: KHT
DESIGNED: MRE
REVIEWED: JVG
APPROVED: JVG
SCALE: 1\"= 20'

EC2.2

<h1 style="text-align: center; margin: 0;">EROSION CONTROL</h1> <h2 style="text-align: center; margin: 0;">LEGEND</h2>	
DESCRIPTION	PLAN SYMBOL
CONSTRUCTION EXIT	
DUST CONTROL	
DISTURBED AREA STABILIZATION (MULCHING ONLY)	
DISTURBED AREA STABILIZATION (TEMPORARY SEEDING)	
DISTURBED AREA STABILIZATION (PERMANENT VEGETATION)	
SILT FENCE - TYPE S	
SILT FENCE - TYPE NS	
INLET SEDIMENT TRAP (FILTER FABRIC WITH FRAME)	
INLET SEDIMENT TRAP (CURB INLET)	
STORM DRAIN OUTLET PROTECTION	
SLOTTED BOARD DAM WITH STONE	
LIMITS OF DISTURBANCE	
SILT FENCE	
EXISTING CONTOUR	
PROPOSED CONTOUR	

SOIL SERIES LEGEND:			
SYMBOL	DESCRIPTION	HYDROLOGIC RATING	
Ce	CAPE FEAR SOILS	C/D	
Cx	CRAVEN LOAMY FINE SAND	B/D	
Oj	OCILLA COMPLEX	B/D	
Pn	POOLER FINE SANDY LOAM	B/D	
Waf	WAHEE SANDY LOAM	C/D	

No.	REVISIONS	BY	DATE

GSWC LEVEL L2
DESIGN PROFESSIONAL
CERTIFICATION #
0000044941
EXPIRES 1/1/2025

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**ES & PC PLAN -
INTERMEDIATE PHASE**

**PORT WENTWORTH FIRE
STATION**

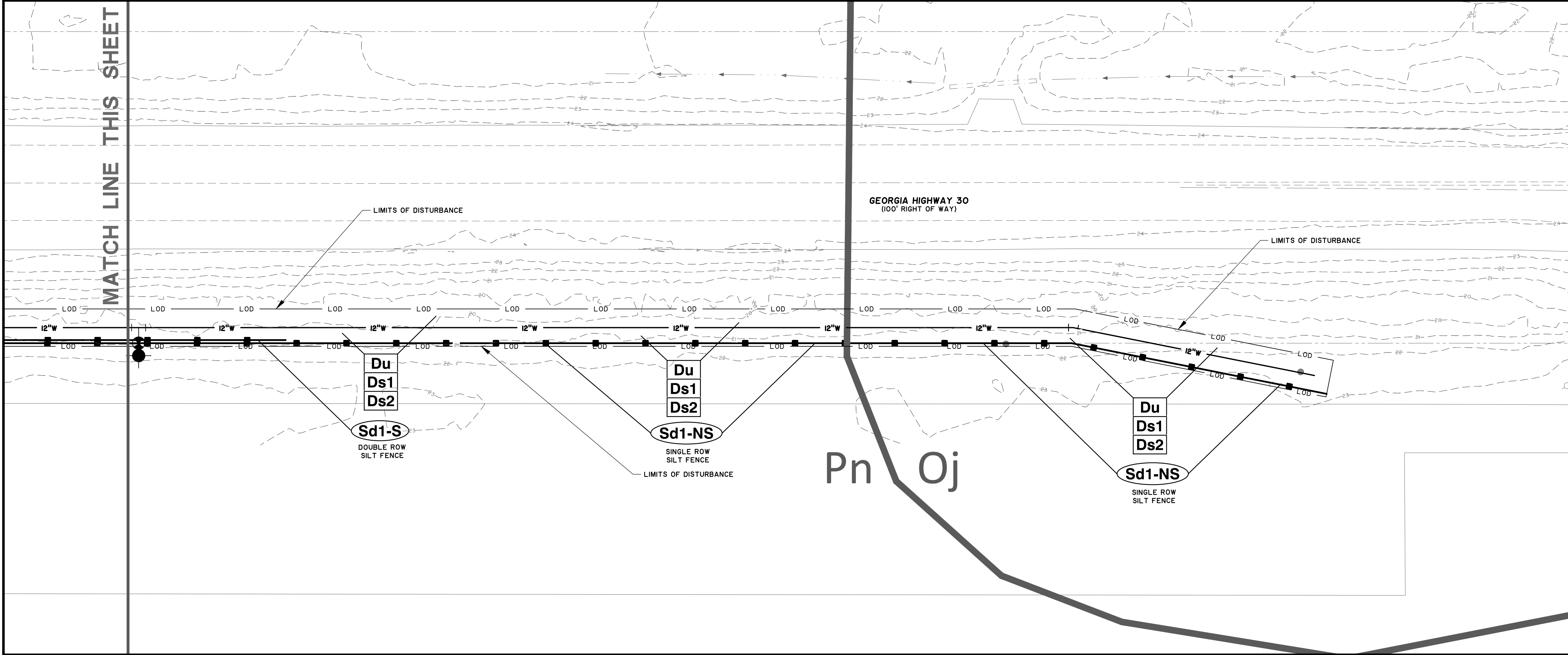
PROJECT LOCATION:
HIGHWAY 30
PORT WENTWORTH, GA 31407
















CLIENT/OWNER:
CITY OF PORT WENTWORTH
7224 GA HIGHWAY 2I
PORT WENTWORTH, GA 31407
STEVE DAVIS
stevedavis@cityofportwentworth.com

DATUM: HORIZ.: NAD83 VERT.: NAVD88

JOB NO: 25412.0029
DATE: 10/06/23
DRAWN: KHT
DESIGNED: MRE
REVIEWED: JVG
APPROVED: JVG
SCALE: 1" = 20'
















EC2.3

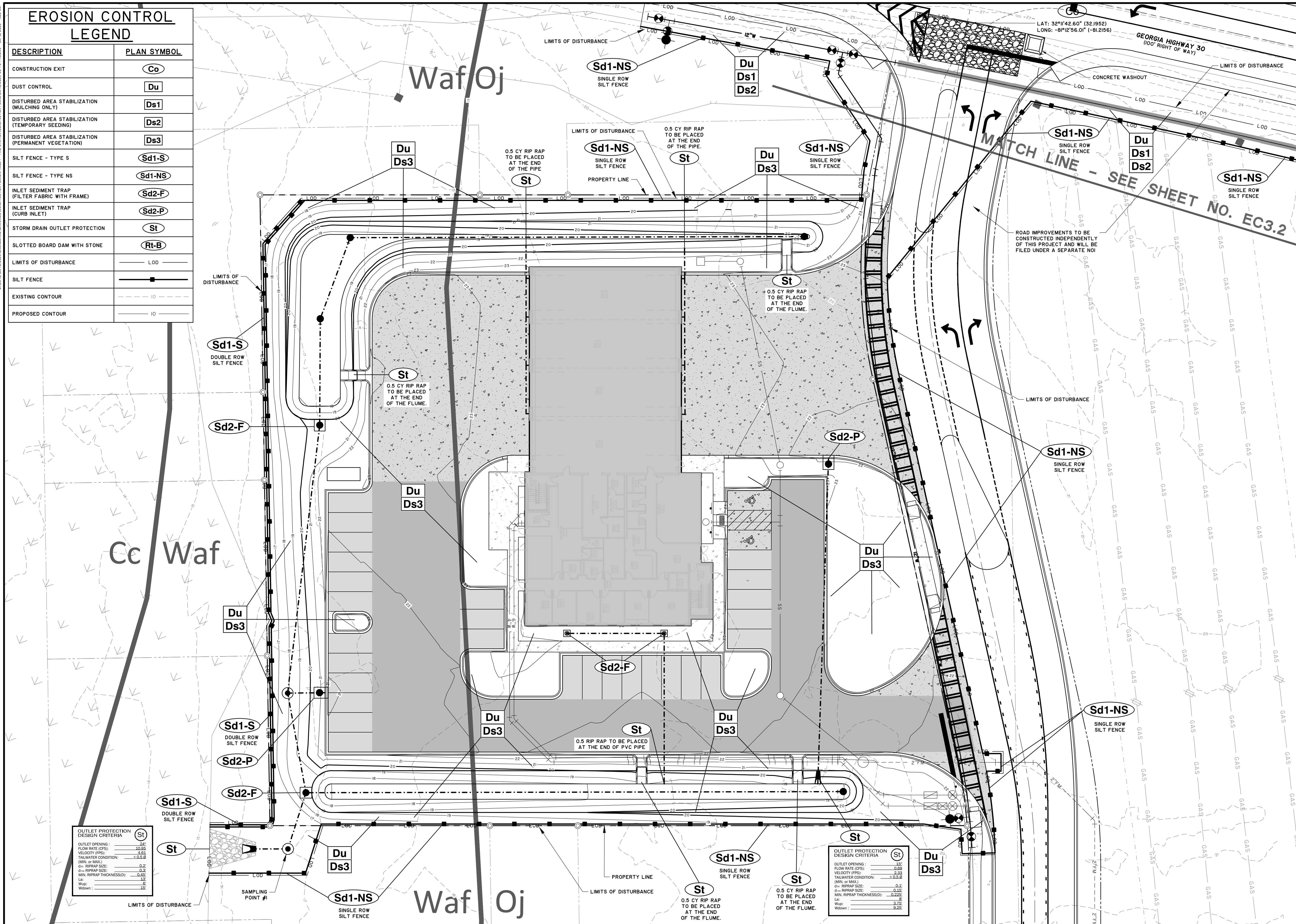


<h1 style="text-align: center; margin: 0;">EROSION CONTROL</h1> <h2 style="text-align: center; margin: 0;">LEGEND</h2>	
DESCRIPTION	PLAN SYMBOL
CONSTRUCTION EXIT	
DUST CONTROL	
DISTURBED AREA STABILIZATION (MULCHING ONLY)	
DISTURBED AREA STABILIZATION (TEMPORARY SEEDING)	
DISTURBED AREA STABILIZATION (PERMANENT VEGETATION)	
SILT FENCE - TYPE S	
SILT FENCE - TYPE NS	
INLET SEDIMENT TRAP (FILTER FABRIC WITH FRAME)	
INLET SEDIMENT TRAP (CURB INLET)	
STORM DRAIN OUTLET PROTECTION	
SLOTTED BOARD DAM WITH STONE	
LIMITS OF DISTURBANCE	
SILT FENCE	
EXISTING CONTOUR	
PROPOSED CONTOUR	

[illegible]

EROSION CONTROL LEGEND

DESCRIPTION	PLAN SYMBOL
CONSTRUCTION EXIT	
DUST CONTROL	
DISTURBED AREA STABILIZATION (MULCHING ONLY)	
DISTURBED AREA STABILIZATION (TEMPORARY SEEDING)	
DISTURBED AREA STABILIZATION (PERMANENT VEGETATION)	
SILT FENCE - TYPE S	
SILT FENCE - TYPE NS	
INLET SEDIMENT TRAP (FILTER FABRIC WITH FRAME)	
INLET SEDIMENT TRAP (CURB INLET)	
STORM DRAIN OUTLET PROTECTION	
SLOTTED BOARD DAM WITH STONE	
LIMITS OF DISTURBANCE	
SILT FENCE	
EXISTING CONTOUR	
PROPOSED CONTOUR	



SOIL SERIES LEGEND:		
<u>SYMBOL</u>	<u>DESCRIPTION</u>	<u>HYDROLOGIC RATING</u>
Cc	CAPE FEAR SOILS	C/D
Cx	GRAVEN LOAMY SAND	B/D
Oj	OCILLA COMPLEX	B/D
Pn	POOLER FINE SANDY LOAM	B/D
Wef	WAHEE SANDY LOAM	C/D

NO.	REVISIONS	BY	DATE
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GSWCC LEVEL L2
DESIGN PROFESSIONAL
CERTIFICATION #
0000044941
EXPIRES : 1/1/2025



BID SET - NOT FOR CONSTRUCTION



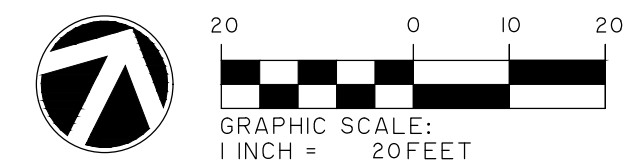
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ES & PC PLAN - FINAL
PHASE

PORT WENTWORTH FIRE
STATION

PROJECT LOCATION:
HIGHWAY 30
PORT WENTWORTH, GA 31407

CLIENT/OWNER:
CITY OF PORT WENTWORTH
7224 GA HIGHWAY 21
PORT WENTWORTH, GA 31407
STEVE DAVIS
stevedavis@cityofportwentworth.com



DATE: HORIZ.:		VERT.: NAVD86	
JOB NO:	25412.0029	EC3.1	
DATE:	10/06/23		
DRAWN:	KHT		
DESIGNED:	MRE		
REVIEWED:	JVG		
APPROVED:	JVG		
SCALE:	1" = 20'		

EC3.1

This engineering plan view illustrates the proposed road improvements for Georgia Highway 30. The highway runs horizontally across the center of the sheet, labeled "GEORGIA HIGHWAY 30 (100' RIGHT OF WAY)". To the north of the highway, there are contour lines indicating elevation changes. A note at the top right states: "ROAD IMPROVEMENTS TO BE CONSTRUCTED INDEPENDENTLY OF THIS PROJECT AND WILL BE FILED UNDER A SEPARATE NOI".

The plan shows several key features and boundaries:

- LIMITS OF DISTURBANCE:** Indicated by dashed lines above and below the highway alignment.
- Proposed Road Improvements:** Shown as a series of parallel lines along the highway, with specific sections labeled "Sd1-NS SINGLE ROW SILT FENCE" and "Du Ds3".
- Right-of-Way Boundary:** A thick black line runs diagonally from the top center towards the bottom right corner, separating the project area from adjacent land.
- Match Lines:** Vertical lines at the left and right edges of the sheet, labeled "MATCH LINE - SEE SHEET NO. EC3.3".
- Other Labels:** Large letters "Cx" and "Oj" are visible near the bottom right corner, possibly indicating specific construction areas or features.

SOIL SERIES LEGEND:		
<u>SYMBOL</u>	<u>DESCRIPTION</u>	<u>HYDROLOGIC RATING</u>
Ce	CAPE FEAR SOILS	C/D
Cx	GRAVEN LOAMY FINE SAND	B/D
Oj	OCILLA COMPLEX	B/D
Pe	POOLER FINE SANDY LOAM	B/D
Waf	WAHEE SANDY LOAM	C/D

GSWCC LEVEL L2
DESIGN PROFESSIONAL
CERTIFICATION #
0000044941
EXPIRES : 1/1/2025

The seal is circular with "GEORGIA" at the top and "PROFESSIONAL ENGINEER" at the bottom. In the center, it reads "No. 034622" and "JOHN VINCENT GIORDANO". A blue ink signature is written across the seal.



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PORT WENTWORTH FIRE
STATION

CLIENT/OWNER:
CITY OF PORT WENTWORTH
7224 GA HIGHWAY 21
PORT WENTWORTH, GA 31407
STEVE DAVIS
stevedavis@cityofportwentworth.com



MATCH LINE - SEE SHEET NO. EC3.2

EROSION CONTROL LEGEND

DESCRIPTION	PLAN SYMBOL
CONSTRUCTION EXIT	(Co)
DUST CONTROL	[Du]
DISTURBED AREA STABILIZATION (MULCHING ONLY)	[Ds1]
DISTURBED AREA STABILIZATION (TEMPORARY SEEDING)	[Ds2]
DISTURBED AREA STABILIZATION (PERMANENT VEGETATION)	[Ds3]
SILT FENCE - TYPE S	(Sd1-S)
SILT FENCE - TYPE NS	(Sd1-NS)
INLET SEDIMENT TRAP (FILTER FABRIC WITH FRAME)	(Sd2-F)
INLET SEDIMENT TRAP (CURB INLET)	(Sd2-P)
STORM DRAIN OUTLET PROTECTION	(St)
SLOTTED BOARD DAM WITH STONE	(Rt-B)
LIMITS OF DISTURBANCE	— LOD —
SILT FENCE	■
EXISTING CONTOUR	- - - IO - - -
PROPOSED CONTOUR	—— IO ——

MATCH LINE THIS SHEET

GEORGIA HIGHWAY 30 (100' RIGHT OF WAY)

Cx

Oj

Pn

Sd1-NS
SINGLE ROW SILT FENCE

Du
Ds3

Sd1-S
DOUBLE ROW SILT FENCE

Sd1-S
DOUBLE ROW SILT FENCE














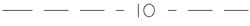
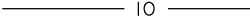
Sd1-S
DOUBLE ROW SILT FENCE

Pn

Oj

GEORGIA HIGHWAY 30 (100' RIGHT OF WAY)

MATCH LINE - SEE SHEET NO. EC3.4

<h1 style="text-align: center; margin: 0;">EROSION CONTROL</h1> <h2 style="text-align: center; margin: 0;">LEGEND</h2>	
DESCRIPTION	PLAN SYMBOL
CONSTRUCTION EXIT	
DUST CONTROL	
DISTURBED AREA STABILIZATION (MULCHING ONLY)	
DISTURBED AREA STABILIZATION (TEMPORARY SEEDING)	
DISTURBED AREA STABILIZATION (PERMANENT VEGETATION)	
SILT FENCE - TYPE S	
SILT FENCE - TYPE NS	
INLET SEDIMENT TRAP (FILTER FABRIC WITH FRAME)	
INLET SEDIMENT TRAP (CURB INLET)	
STORM DRAIN OUTLET PROTECTION	
SLOTTED BOARD DAM WITH STONE	
LIMITS OF DISTURBANCE	
SILT FENCE	
EXISTING CONTOUR	
PROPOSED CONTOUR	

SOIL SERIES LEGEND:			
<u>SYMBOL</u>	<u>DESCRIPTION</u>	<u>HYDROLOGIC RATING</u>	
Ce	CAPE FEAR SOILS	C/D	
Cx	CRAVEN LOAMY FINE SAND	B/D	
Oj	OCCILLA COMPLEX	B/D	
Pn	POOLER FINE SANDY LOAM	B/D	
Wof	WAHEE SANDY LOAM	C/D	

NO.	REVISIONS	BY	DATE

GSWCC LEVEL L2
DESIGN PROFESSIONAL
CERTIFICATION #
000004494I
EXPIRES : 1/1/2025



BID SET - NOT FOR CONSTRUCTION



THOMAS & HUTTON

50 Park of Commerce Way
Savannah, GA 31405 • 912.234.5300
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ES & PC PLAN - FINAL PHASE

PORT WENTWORTH FIRE STATION

PROJECT LOCATION:
HIGHWAY 30
PORT WENTWORTH, GA 31407

CLIENT/OWNER:
CITY OF PORT WENTWORTH
7224 GA HIGHWAY 21
PORT WENTWORTH, GA 31407
STEVE DAVIS
sstevedavis@cityofportwentworth.com





 GRAPHIC SCALE:
1 INCH = 20 FEET


 GRAPHIC SCALE:
1 INCH = 20 FEET

DATUM: HORIZ.: NAD83 VERT.: NAVD86

JOB NO:	25412.0029
DATE:	10/06/23
DRAWN:	KHT
DESIGNED:	MRE
REVIEWED:	JVG
APPROVED:	JVG
SCALE:	1" = 20'

EC3.3

2541401-25416 00200 UNIMODIFIED UNIMODIFIED CONSTRUCTION PLANS AND SPECIFICATIONS - 04/16/2023 - 04/16/2023

SEEDING RATES FOR TEMPORARY & PERMANENT COVER						
MONTH	TEMPORARY COVER	RATE PER ACRE		PERMANENT COVER	RATE PER ACRE	
		SEEDED ALONE	ADDED TO MIX		SEEDED ALONE	ADDED TO MIX
JANUARY	* LESPEDEZA, ANNUAL	40 lbs.	10 lbs.	* BAHIA, PENSACOLA BERMUDA, UNHULLED CENTIPEDE, SOD LESPEDEZA, SERICEA 1	60 lbs.	30 lbs.
	* RYE	3 bu.	.5 bu.		10 lbs.	6 lbs.
	* RYEGRASS, ANNUAL	40 lbs.	.5 bu.		-	-
	* WHEAT	3 bu.	-		75 lbs.	-
	LESPEDEZA, ANNUAL	40 lbs.	10 lbs.	* BAHIA, PENSACOLA CENTIPEDE, SOD	60 lbs.	30 lbs.
	* LOVEGRASS, WEEPING	4 lbs.	2 lbs.	* LESPEDEZA, SEDICEA 1	75 lbs.	-
FEBRUARY	* RYE	40 lbs.	.5 bu.	* LESPEDEZA, SEDICEA 2	75 lbs.	-
	* RYEGRASS, ANNUAL	40 lbs.	-	* LOVEGRASS, WEEPING	4 lbs.	2 lbs.
MARCH	* LESPEDEZA, ANNUAL	40 lbs.	10 lbs.	* BAHIA, PENSACOLA BERMUDA, UNHULLED CENTIPEDE, SOD	60 lbs.	30 lbs.
	* LOVEGRASS, WEEPING	4 lbs.	2 lbs.	* LESPEDEZA, SEDICEA 1	10 lbs.	6 lbs.
	* RYEGRASS, ANNUAL	40 lbs.	-	* LESPEDEZA, SEDICEA 2	75 lbs.	-
	* SUDANGRASS	60 lbs.	-	LESPEDEZA, SEDICEA	75 lbs.	-
				LOVEGRASS, WEEPING	4 lbs.	2 lbs.
APRIL	LOVEGRASS, WEEPING MILLET, BROWNTOP	4 lbs.	2 lbs.	BAHIA, PENSACOLA BERMUDA, HULLED CENTIPEDE, SOD	60 lbs.	30 lbs.
	* MILLET, PEARL	40 lbs.	10 lbs.		10 lbs.	6 lbs.
	SUDANGRASS	50 lbs.	-		* LESPEDEZA, SEDICEA 1	75 lbs.
		60 lbs.	-	* LESPEDEZA, SEDICEA 2	75 lbs.	-
				LOVEGRASS, WEEPING	4 lbs.	2 lbs.
MAY	LOVEGRASS, WEEPING MILLET, BROWNTOP	4 lbs.	2 lbs.	BAHIA, PENSACOLA BERMUDA, HULLED CENTIPEDE, SOD	60 lbs.	30 lbs.
	* MILLET, PEARL	40 lbs.	10 lbs.		10 lbs.	6 lbs.
	SUDANGRASS	50 lbs.	-		* LESPEDEZA, SEDICEA 1	75 lbs.
		60 lbs.	-	* LESPEDEZA, SEDICEA 2	75 lbs.	-
				LOVEGRASS, WEEPING	4 lbs.	2 lbs.
JUNE	* LOVEGRASS, WEEPING MILLET, BROWNTOP	4 lbs.	2 lbs.	BAHIA, PENSACOLA BERMUDA, UNHULLED * LESPEDEZA, SEDICEA 1	60 lbs.	30 lbs.
	* MILLET, PEARL	40 lbs.	10 lbs.		10 lbs.	6 lbs.
	SUDANGRASS	50 lbs.	-		* LESPEDEZA, SEDICEA 2	75 lbs.
		60 lbs.	-	* LOVEGRASS, WEEPING	75 lbs.	-
				4 lbs.	2 lbs.	
SEEDING RATES FOR TEMPORARY & PERMANENT COVER						
MONTH	TEMPORARY COVER	RATE PER ACRE		PERMANENT COVER	RATE PER ACRE	
		SEEDED ALONE	ADDED TO MIX		SEEDED ALONE	ADDED TO MIX
JULY	* MILLET, BROWNTOP	40 lbs.	10 lbs.	* BAHIA, PENSACOLA * LESPEDEZA, SEDICEA 1	60 lbs.	30 lbs.
	MILLET, PEARL	50 lbs.	-		75 lbs.	-
	SUDANGRASS	60 lbs.	-			
AUGUST	* MILLET, PEARL	50 lbs.	-	* BAHIA, PENSACOLA	60 lbs.	30 lbs.
	* RYEGRASS, ANNUAL	40 lbs.	-	* LESPEDEZA, SEDICEA 1	75 lbs.	-
SEPTEMBER	* BARLEY	3 bu.	.5 bu.	* BAHIA, PENSACOLA LESPEDEZA, SEDICEA 1	60 lbs.	30 lbs.
	* OATS	4 bu.	1 bu.		75 lbs.	-
	* RYE	3 bu.	.5 bu.			
	* RYEGRASS, ANNUAL	40 lbs.	-			
	* WHEAT	3 bu.	.5 bu.			
OCTOBER	BARLEY	3 bu.	.5 bu.	* BAHIA, PENSACOLA LESPEDEZA, SEDICEA 1	60 lbs.	30 lbs.
	OATS	4 bu.	1 bu.		75 lbs.	-
	RYE	3 bu.	.5 bu.			
	* RYEGRASS, ANNUAL	40 lbs.	-			
	WHEAT	3 bu.	.5 bu.			
NOVEMBER	BARLEY	3 bu.	.5 bu.	* BAHIA, PENSACOLA BERMUDA, UNHULLED CENTIPEDE, SOD LESPEDEZA, SEDICEA 1	60 lbs.	30 lbs.
	OATS	4 bu.	1 bu.		10 lbs.	6 lbs.
	* RYEGRASS, ANNUAL	40 lbs.	-		75 lbs.	-
	WHEAT	3 bu.	.5 bu.			
DECEMBER	BARLEY	3 bu.	.5 bu.	* BAHIA, PENSACOLA BERMUDA, UNHULLED CENTIPEDE, SOD LESPEDEZA, SEDICEA 1	60 lbs.	30 lbs.
	OATS	4 bu.	1 bu.		10 lbs.	6 lbs.
	* RYE	3 bu.	.5 bu.		75 lbs.	-
	* RYEGRASS, ANNUAL	40 lbs.	-			
	WHEAT	3 bu.	.5 bu.			

NOTES:
ALL PERMANENT GRASS PLANTINGS SHALL BE MULCHED
* INDICATES MARGINAL (BUT PERMISSIBLE) PLANTING DATE
1. UNSCARIFIED
2. SCARIFIED
3. CENTIPEDE SOD CAN BE USED AS PERMANENT COVER ANYTIME EXCEPT JUNE THRU OCTOBER

FERTILIZER REQUIREMENTS				
TYPE OF SPECIES	YEAR	ANALYSIS OR EQUIVALENT N-P-K	RATE	N TOP DRESSING RATE
1. COOL SEASON GRASSES	FIRST SECOND MAINTENANCE	6-12-12 6-12-12 10-10-10	1500lbs./ac. 1000lbs./ac. 400 lbs./ac.	50-100 lbs./ac. * 1 & 2 30
2. COOL SEASON GRASSES AND LEGUMES	FIRST SECOND MAINTENANCE	6-12-12 6-12-12 10-10-10	1500lbs./ac. 1000lbs./ac. 400 lbs./ac.	50-100 lbs./ac. * 1 -
3. GROUND COVERS	FIRST SECOND MAINTENANCE	10-10-10 10-10-10 10-10-10	1300lbs./ac. * 3 1300lbs./ac. * 3 1000 lbs./ac.	- -
4. PINE SEEDLINGS	FIRST	20-10-5	ONE 21-GRAM PELLETT PER SOD IN THE CLOSING HOLE	-
5. SHRUB LESPEDEZA	FIRST MAINTENANCE	0-10-10 0-10-10	700lbs./ac. 700lbs./ac. * 4	-
6. TEMPORARY COVER CROPS SEEDED ALONE	FIRST	10-10-10	500lbs./ac.	30 lbs./ac. * 5
7. WARM SEASON GRASSES	FIRST SECOND MAINTENANCE	6-12-12 6-12-12 10-10-10	1500lbs./ac. 1000lbs./ac. 400 lbs./ac.	50-100 lbs./ac. * 2 & 6 30 lbs./ac. * 2
8. WARM SEASON GRASSES AND LEGUMES	FIRST SECOND MAINTENANCE	6-12-12 6-12-12 10-10-10	1500lbs./ac. 1000lbs./ac. 400 lbs./ac.	50-100 lbs./ac. * 6

* 1 APPLY IN SPRING FOLLOWING SEEDING.
* 2 APPLY IN SPLIT APPLICATIONS WHEN HIGH RATES ARE USED.
* 3 APPLY IN 3 SPLIT APPLICATIONS.
* 4 APPLY WHEN PLANTS ARE PRUNED.
* 5 APPLY TO GRASS SPECIES ONLY.
* 6 APPLY WHEN PLANTS GROW TO A HEIGHT OF 2 TO 4 INCHES.

DUST CONTROL

DEFINITION: CONTROLLING SURFACE AND AIR MOVEMENT OF DUST ON LAND-DISTURBING ACTIVITIES.

PURPOSE: PREVENT THE MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES AND PREVENT THE MOVEMENT OF AIRBORNE SUBSTANCES THAT MAY BE HARMFUL TO HEALTH.

TEMPORARY METHODS	PERMANENT METHODS
- MULCHES - TEMPORARY VEGETATIVE COVER - SPRAY ON ADHESIVES - IRRIGATION - BARRIERS - CALCIUM CHLORIDE	- PERMANENT VEGETATION - TOPSOILING - STONE COVER

INSTALLATION:
APPLY ACCORDING TO APPROVED PLAN, IF SHOWN. MULCH DISTURBED AREAS AND TACKIFY WITH REDSINS SUCH AS ASPHALT, CURASOL OR TERRATAK ACCORDING TO MANUFACTURES RECOMMENDATIONS. STABILIZE DISTURBED AREAS WITH TEMPORARY OR PERMANENT VEGETATION. COVER SURFACES WITH CRUSHED STONE OR GRAVEL. APPLY CALCIUM CHLORIDE AT A RATE TO KEEP SURFACES MOIST. APPLY SPRAY-ON ADHESIVES TO MINERAL SOILS (NOT MUCK SOILS AS DESCRIBED IN TABLE I).

TABLE I. SPRAY-ON ADHESIVE APPLICATION REQUIREMENTS			
ADHESIVE	WATER DILUTION	NOZZLE TYPE	APPLICATION (GAL / ACRE)
ANIONIC ASPHALT EMULSION	7:1 *	COARSE SPRAY	1,200
LATEX EMULSION	12.5:1 *	FINE SPRAY	235
RESIN-IN-WATER EMULSION	4:1 *	FINE SPRAY	300

MAINTENANCE:
PROHIBIT TRAFFIC ON SURFACE AFTER SPRAYING.
SUPPLEMENT SURFACE COVERING AS NEEDED.

E2

OCT. 2008

THOMAS & HUTTON
ENGINEERING CO.

Du

DUST CONTROL

NOT TO SCALE

Co

CRUSHED STONE CONSTRUCTION EXIT

EXIT DIAGRAM

ENTRANCE ELEVATION

NOTES:
1. AVOID LOCATING ON STEEP SLOPES OR AT CURVES ON PUBLIC ROADS.
2. REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA, GRADE, AND CROWN FOR POSITIVE DRAINAGE.
3. AGGREGATE SIZE SHALL BE IN ACCORDANCE WITH NATIONAL STONE ASSOCIATION R-2 (1.5"-3.5" STONE).
4. GRAVEL PAD SHALL HAVE A MINIMUM THICKNESS OF 6".
5. PAD WIDTH SHALL BE EQUAL FULL WIDTH AT ALL POINTS OF VEHICULAR EGRESS, BUT NO LESS THAN 20'.
6. A DIVERSION RIDGE SHOULD BE CONSTRUCTED WHEN GRADE TOWARD PAVED AREA IS GREATER THAN 2%.
7. INSTALL PIPE UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES.
8. WHEN WASHING IS REQUIRED, IT SHOULD BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN (DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE ENTRANCE TO A SEDIMENT CONTROL DEVICE).
9. WASHRACKS AND/OR TIRE WASHERS MAY BE REQUIRED DEPENDING ON SCALE AND CIRCUMSTANCE. IF NECESSARY, WASHRACK DESIGN MAY CONSIST OF ANY MATERIAL SUITABLE FOR TRUCK TRAFFIC THAT REMOVE MUD AND DIRT.
10. MAINTAIN AREA IN A WAY THAT PREVENTS TRACKING AND/OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.

LIME RATES AND ANALYSIS

* AGRICULTURAL LIME SHALL BE APPLIED AT THE RATE OF ONE TO TWO TONS PER ACRE UNLESS SOIL TESTS INDICATE OTHERWISE. GRADED AREAS REQUIRE LIME APPLICATION. IF LIME IS APPLIED WITHIN SIX MONTHS OF PLANTING PERMANENT PERENNIAL VEGETATION, ADDITIONAL LIME IS NOT REQUIRED. AGRICULTURAL LIME SHALL BE WITHIN THE SPECIFICATIONS OF THE GEORGIA DEPARTMENT OF AGRICULTURE.

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MULCHING RATE

MULCHING (MULCHING IS REQUIRED FOR ALL PERMANENT VEGETATION APPLICATIONS. MULCH APPLIED TO SEEDDED AREAS SHALL ACHIEVE 75% SOIL COVER. SELECT THE MULCHING MATERIAL FROM THE FOLLOWING AND APPLY AS INDICATED:
• DRY STRAW OR DRY HAY OF GOOD QUALITY AND FREE OF WEED SEEDS CAN BE USED DRY STRAW SHALL BE APPLIED AT THE RATE OF TWO TONS PER ACRE. DRY HAY SHALL BE APPLIED AT THE RATE OF 2 1/2 TONS PER ACRE.
• WOOD CELLULOSE MULCH OR WOOD PULP FIBER SHALL BE USED WITH HYDRAULIC SEEDING. IT SHALL BE APPLIED AT A RATE OF 500 POUNDS PER ACRE. DRY STRAW OR DRY HAY SHALL BE APPLIED (AT THE RATE INDICATED BELOW) AFTER HYDRAULIC SEEDING.
• ONE THOUSAND POUNDS OF WOOD CELLULOSE OR WOOD PULP FIBER, WHICH INCLUDES TACKIFIER, SHALL BE USED WITH HYDRAULIC SEEDING ON SLOPES 4:1 OR STEEPER.
• SERICEA LESPEDEZA HAY CONTAINING MATURE SEED SHALL BE APPLIED AT A RATE OF 3 TONS PER ACRE.
• PINE STRAW OR PINE BARK SHALL BE APPLIED AT A THICKNESS OF 3 INCHES FOR BEDDING PURPOSES. OTHER SUITABLE MATERIALS IN SUFFICIENT QUANTITY MAY BE USED WHERE ORNAMENTALS OR OTHER GROUND COVERS ARE PLANTED. THIS IS NOT APPROPRIATE FOR SEEDDED AREAS.
• WHEN USING TEMPORARY EROSION CONTROL BLANKETS OR BLACK SOD, MULCH IS NOT REQUIRED.

CONCRETE WASHOUT DETAIL

NOT TO SCALE

SILT FENCE - TYPE NON-SENSITIVE

Sd1-NS

SIDE VIEW

FRONT VIEW

NOTES:
1. USE STEEL OR WOOD POSTS OR AS SPECIFIED BY THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
2. HEIGHT (*) IS TO BE SHOWN ON THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.

NO. REVISIONS BY DATE

GSWCC LEVEL L2
DESIGN PROFESSIONAL
CERTIFICATION #
0000044941
EXPIRES : 1/1/2025

BID SET - NOT FOR CONSTRUCTION

THOMAS & HUTTON

50 Park of Commerce Way
Savannah, GA 31405 • 912.234.5300
www.thomasandhutton.com

ES & PC DETAILS

PORT WENTWORTH FIRE STATION

PROJECT LOCATION:
HIGHWAY 30
PORT WENTWORTH, GA 31407

CLIENT/OWNER:
CITY OF PORT WENTWORTH
7224 GA HIGHWAY 21
PORT WENTWORTH, GA 31407
912.964.4379
stevedavis@cityofportwentworth.com

DATUM: HORIZ: NAD83 VERT: NAVD86

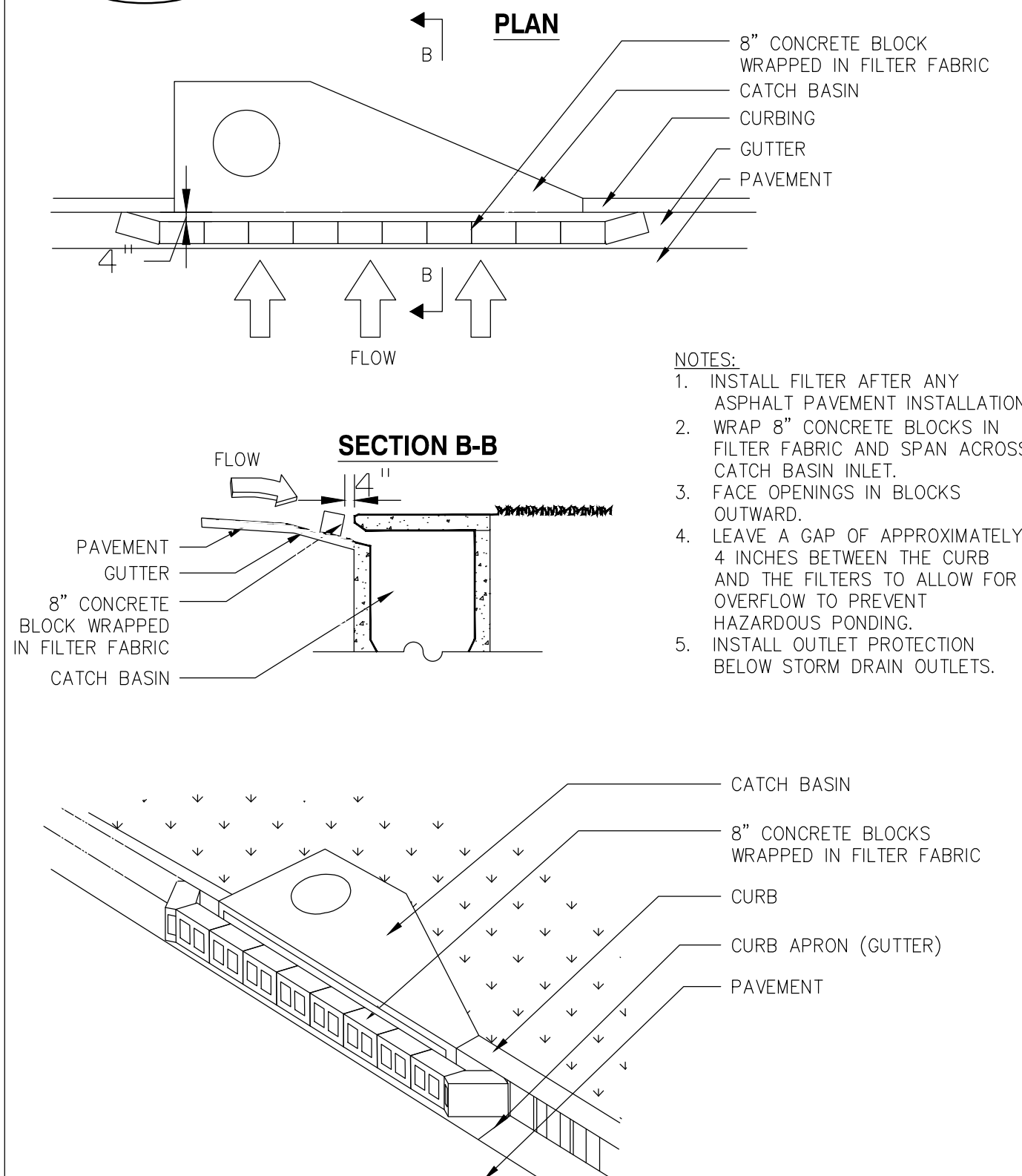
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DATE:
DRAWN:
DESIGNED:
REVIEWED:
APPROVED:
SCALE: 1" = 1'

EC4.1

232442-1-2442-0029 UNIMAT CONSTRUCTION PLANS 2442-0029 EC-01.DWG - 04.16.2023 - 8:29 AM

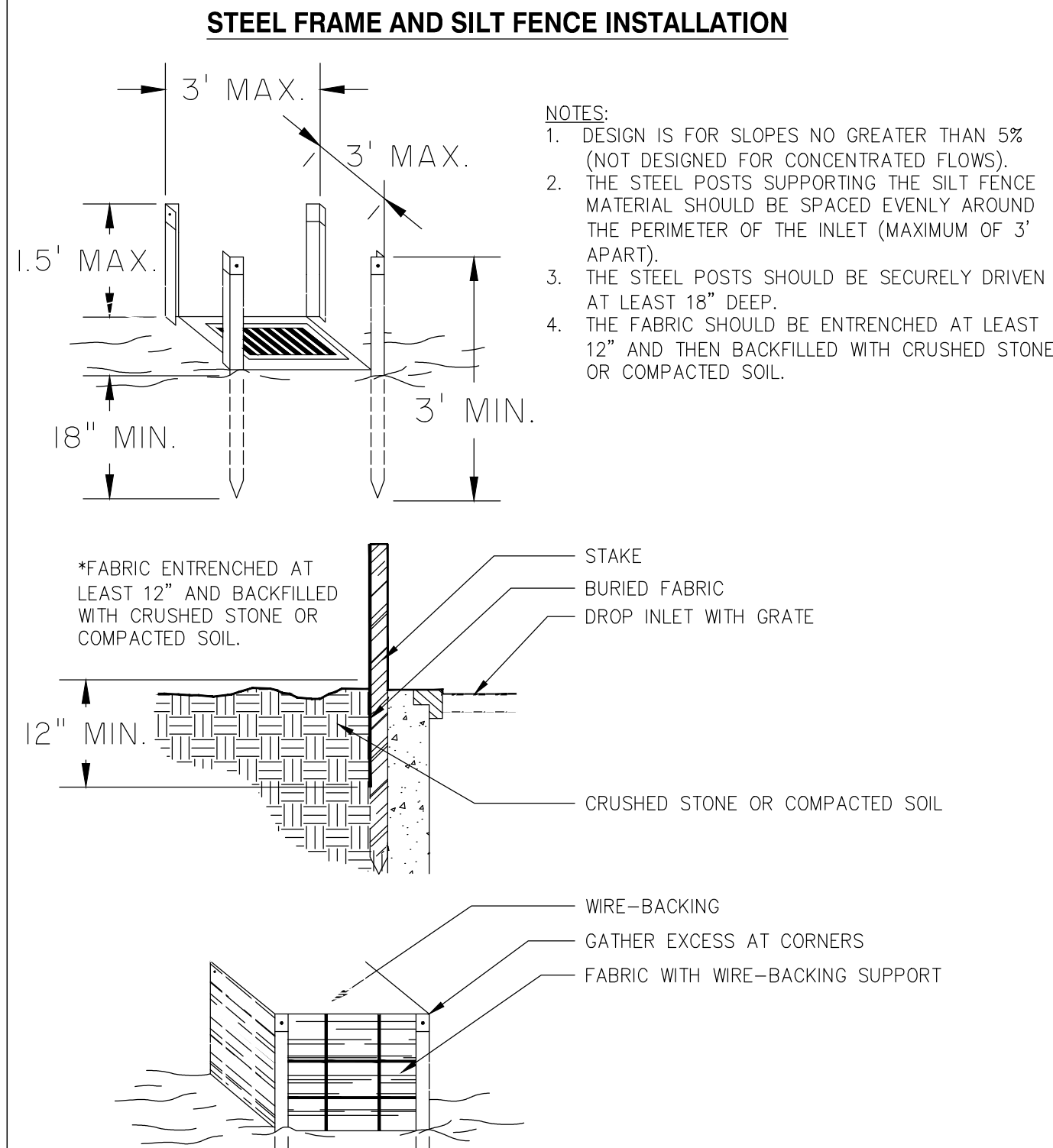
CURB INLET FILTER "PIGS IN BLANKET"

Sd2-P



FABRIC AND SUPPORTING FRAME FOR INLET PROTECTION

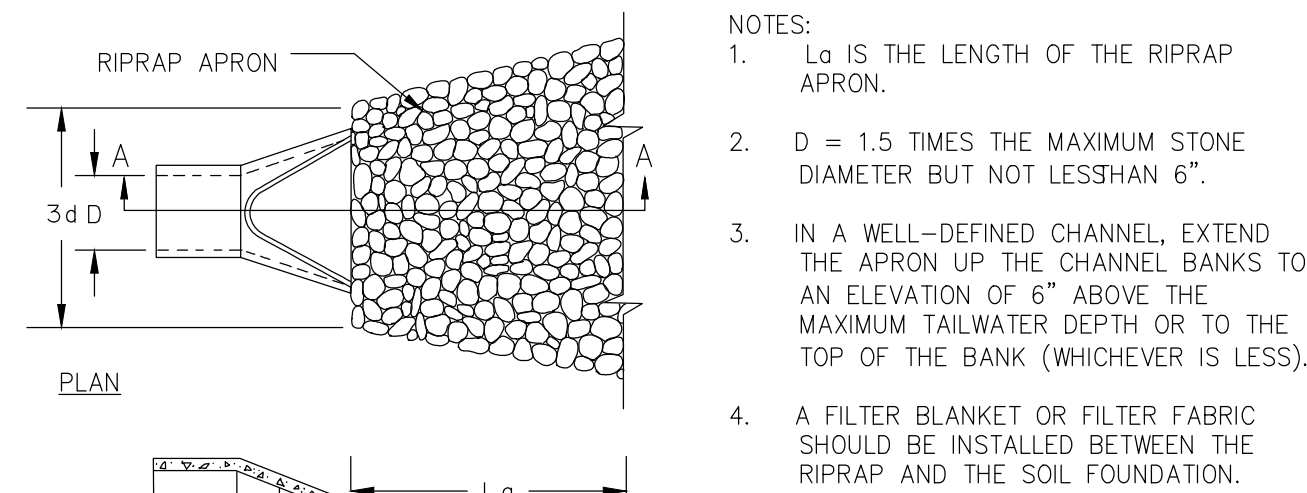
Sd2-F



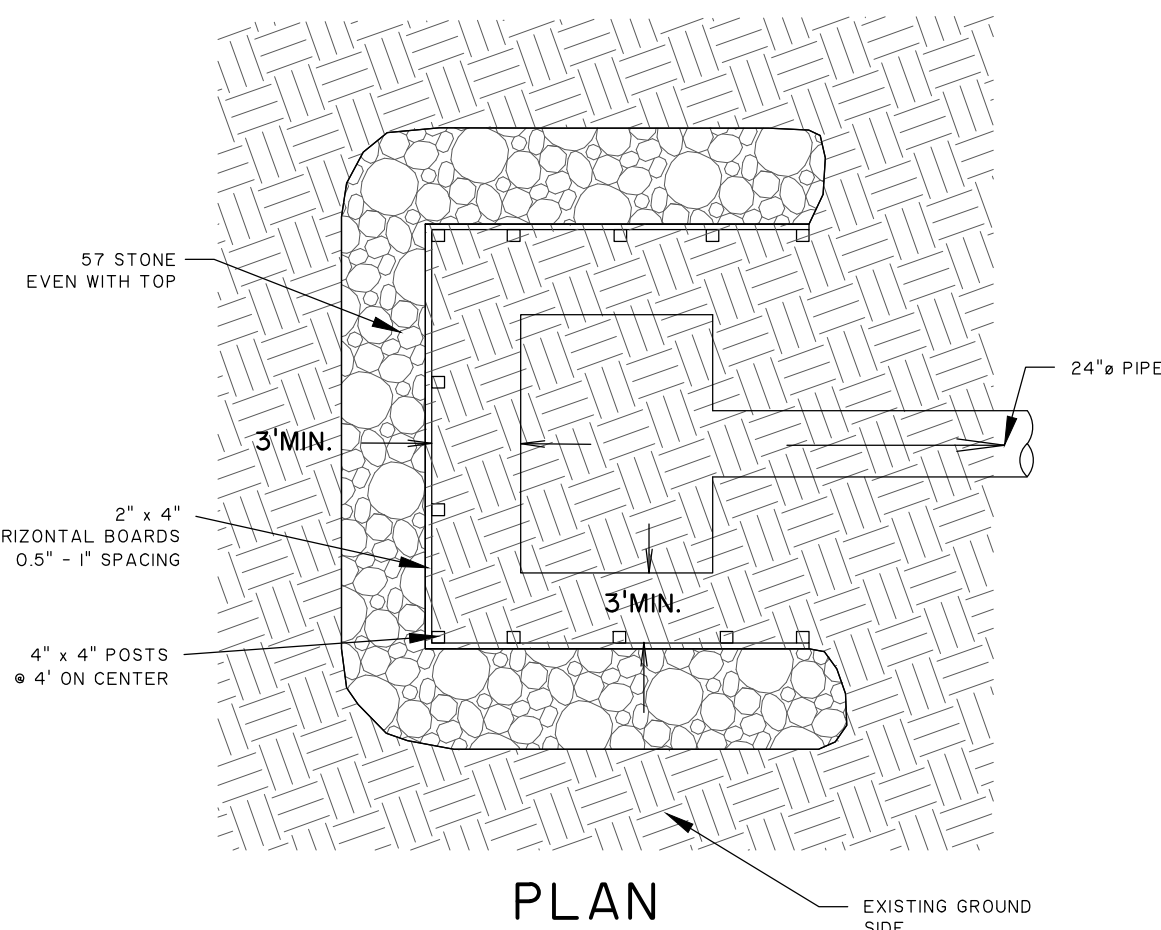
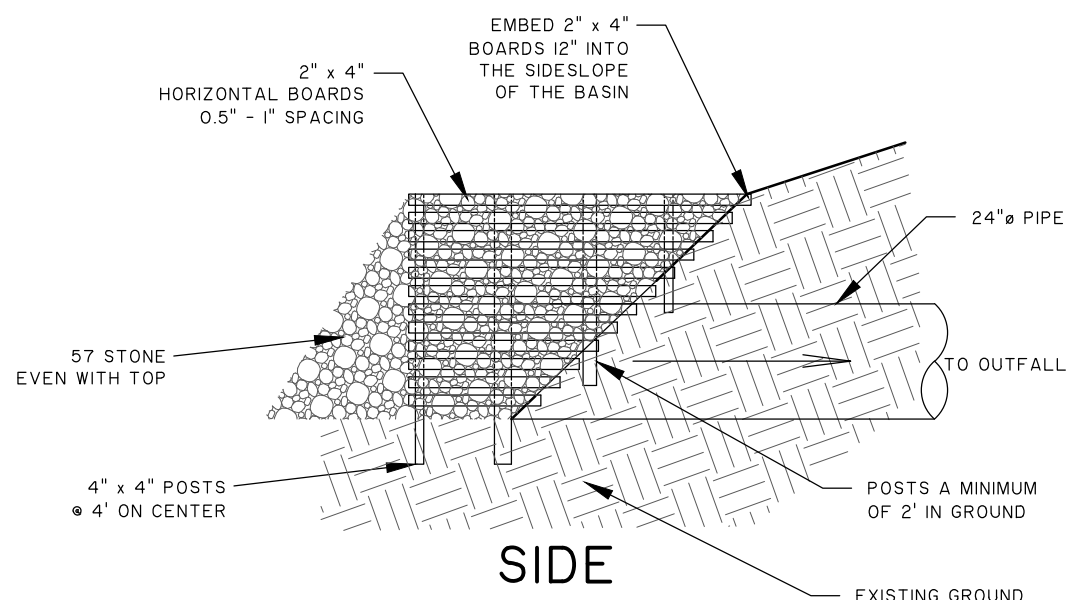
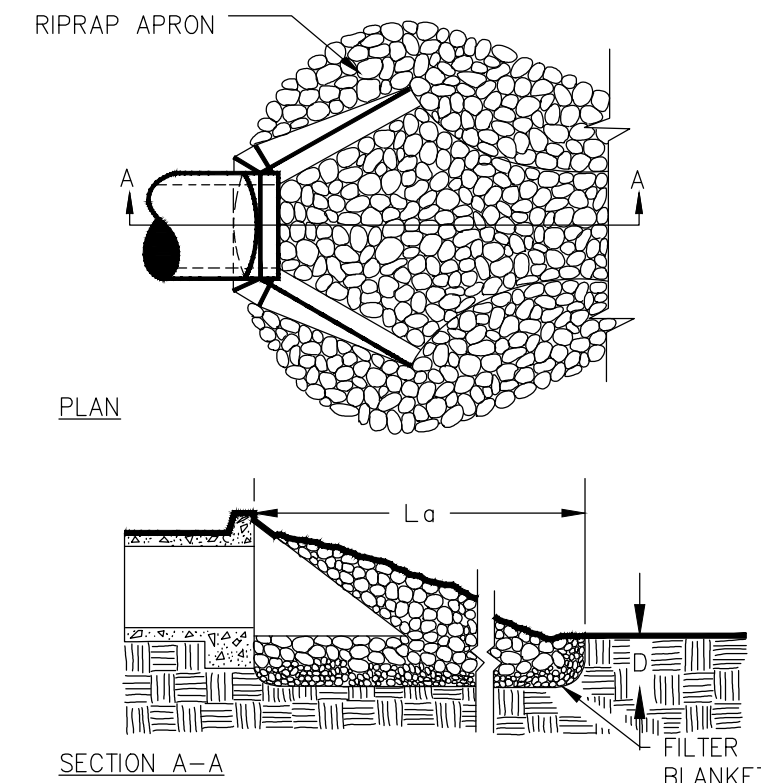
RIPRAP OUTLET PROTECTION

PIPE OUTLET TO FLAT AREA -- NO WELL DEFINED CHANNEL

St



PIPE OUTLET TO WELL DEFINED CHANNEL



SLOTTED BOARD DAM WITH STONE

NOT TO SCALE

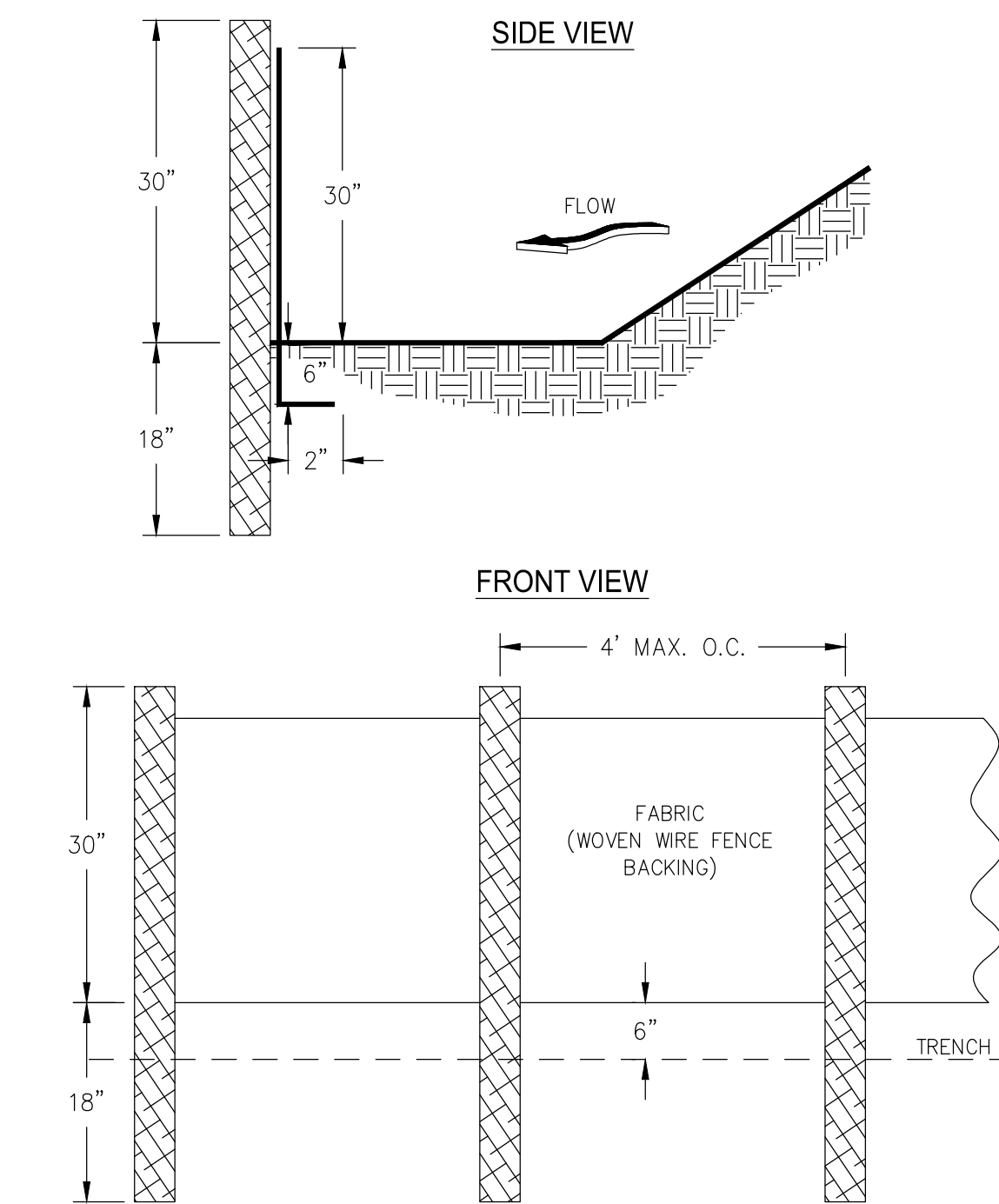
Rt-B

STORAGE CALCULATIONS PROPOSED POND

1. REQUIRED STORMWATER STORAGE = 0 CY
2. REQUIRED SEDIMENT STORAGE = 194.97 CY (67 CY/AC X 2.91 AC. DISTURBED AREA)
3. TOTAL REQUIRED STORAGE = 0 + 194.97 = 194.97 CY
4. AVAILABLE STORAGE = 542.5 CY
5. IS THE AVAILABLE STORAGE (4) GREATER THAN THE TOTAL REQUIRED STORAGE (3) X YES NO
6. IF "NO", THE SEDIMENT STORAGE CAPACITY OF THE POND MUST BE INCREASED. CHOOSE THE METHOD TO BE USED:
N/A RAISE THE INVERT OF THE OUTLET STRUCTURE INCHES
N/A UNDERCUT THE POND FEET
 OTHER
7. CLEAN-OUT ELEVATION = 1 FEET (ELEVATION CORRESPONDING TO 22 CY/AC * 2.91 AC OF DISTURBED AREA)
8. IS THE LENGTH-WIDTH RATIO 2:1 OR GREATER? X YES NO
9. IF "NO", THE LENGTH OF FLOW MUST BE INCREASED. CHOOSE THE METHOD TO BE USED:
N/A BAFFLES (TYPE OF BAFFLE:)
N/A OTHER

NOTE THE CMP DIAMETER AND HEIGHT IF A HALF-ROUND CMP RETROFIT IS TO BE USED.
DIAMETER = N/A INCHES HEIGHT = N/A FEET

SILT FENCE - TYPE SENSITIVE



NOTES:

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2. HEIGHT IS SHOWN ON THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.

NO.	REVISIONS	BY	DATE

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ES & PC DETAILS

PORT WENTWORTH FIRE
STATION

PROJECT LOCATION:
HIGHWAY 30
PORT WENTWORTH, GA 31407

CLIENT/OWNER:
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305 S COASTAL HWY
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DATUM: HORIZ.: NAD83

VERT.: NAVD88

JOB NO: 25412.0029
DATE:
DRAWN:
DESIGNED:
REVIEWED:
APPROVED:
SCALE: 1" = 1'

EC4.2