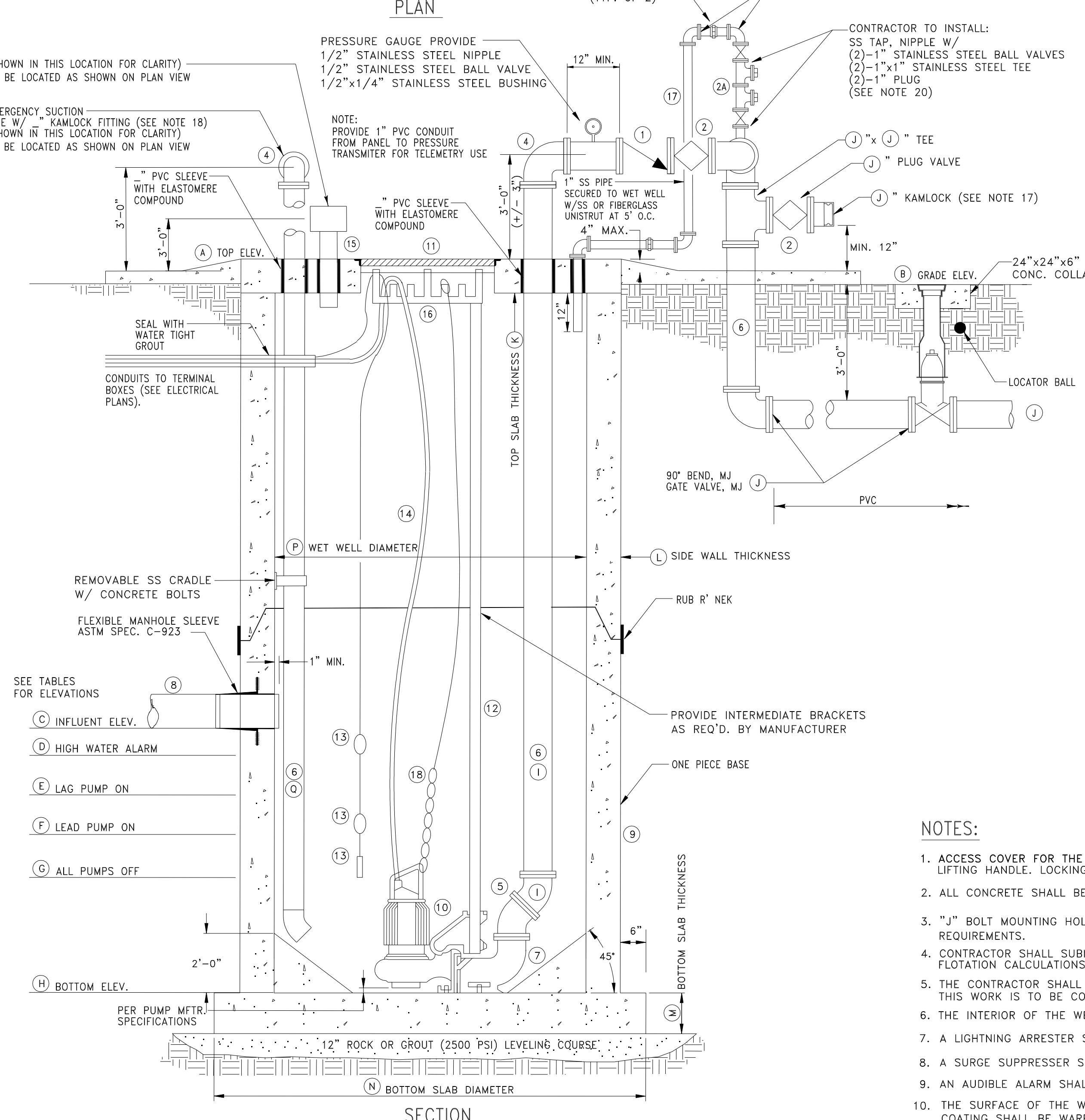
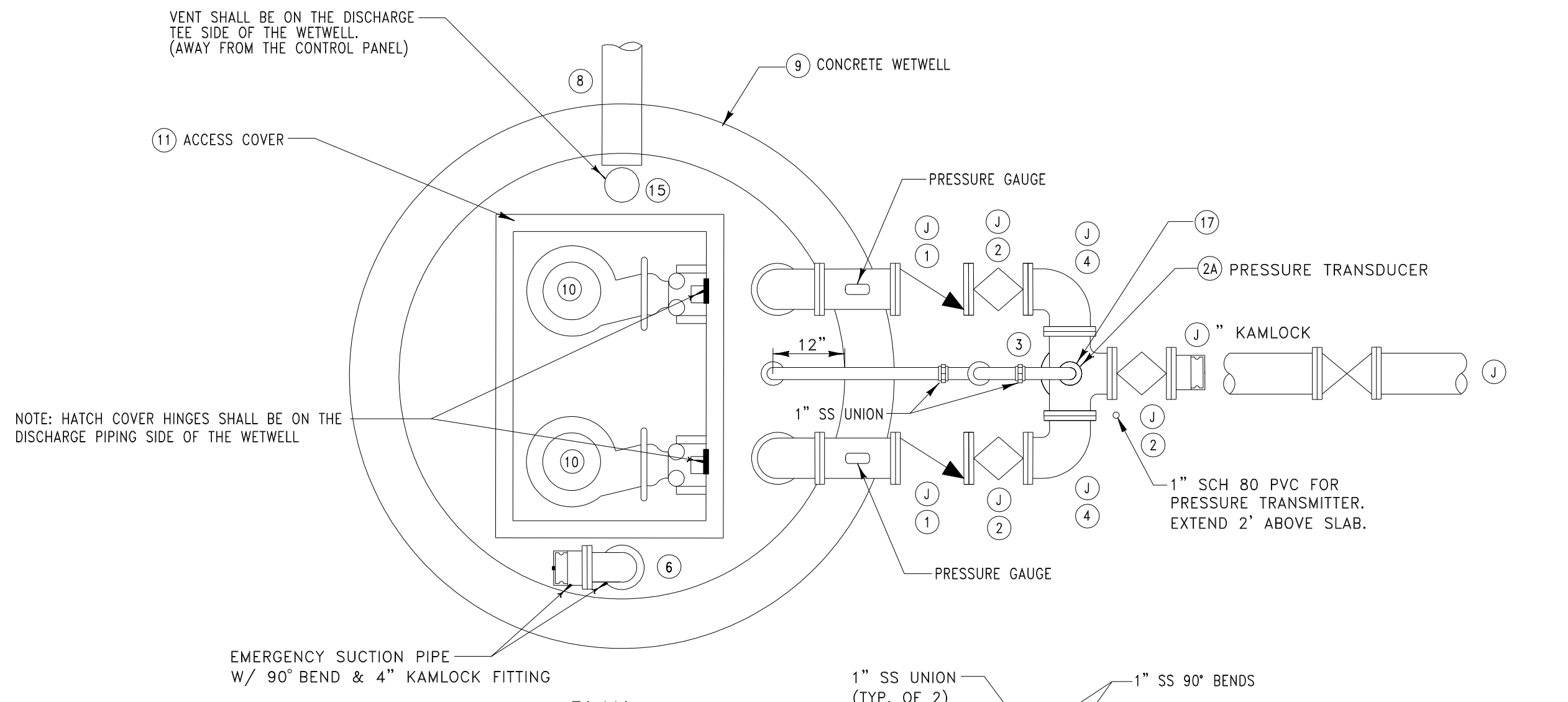


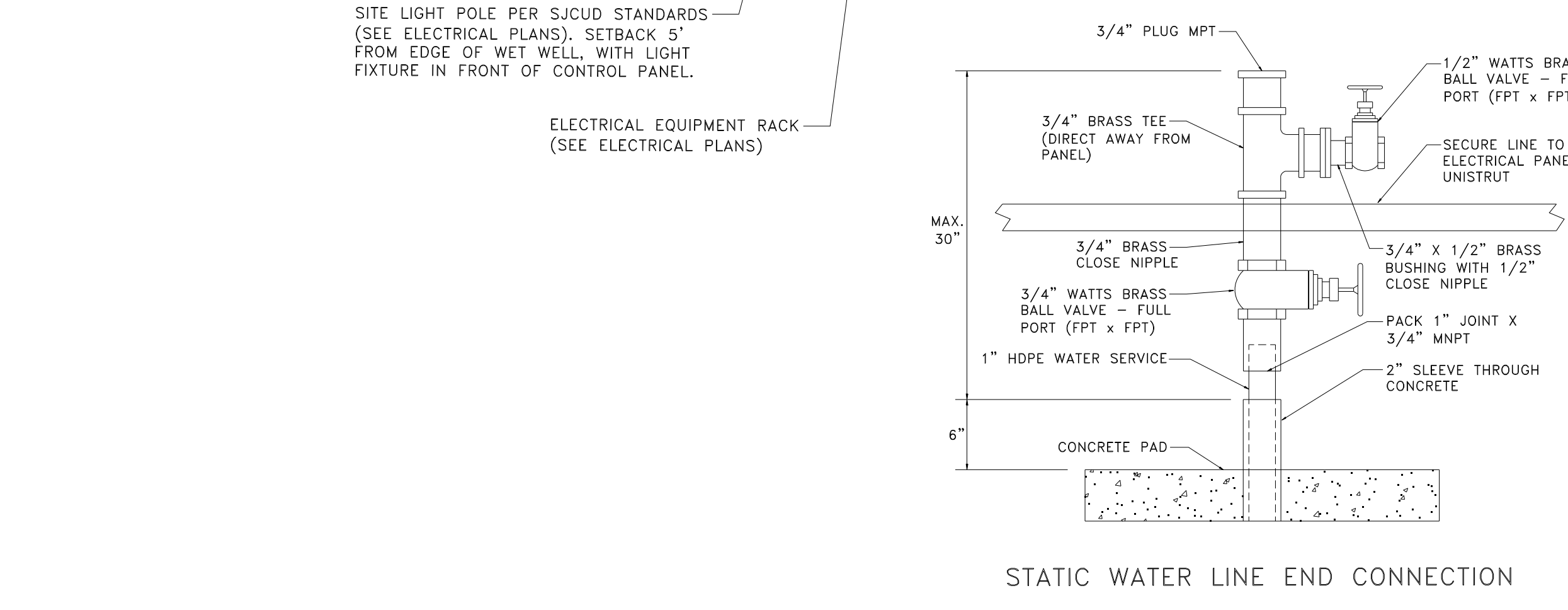
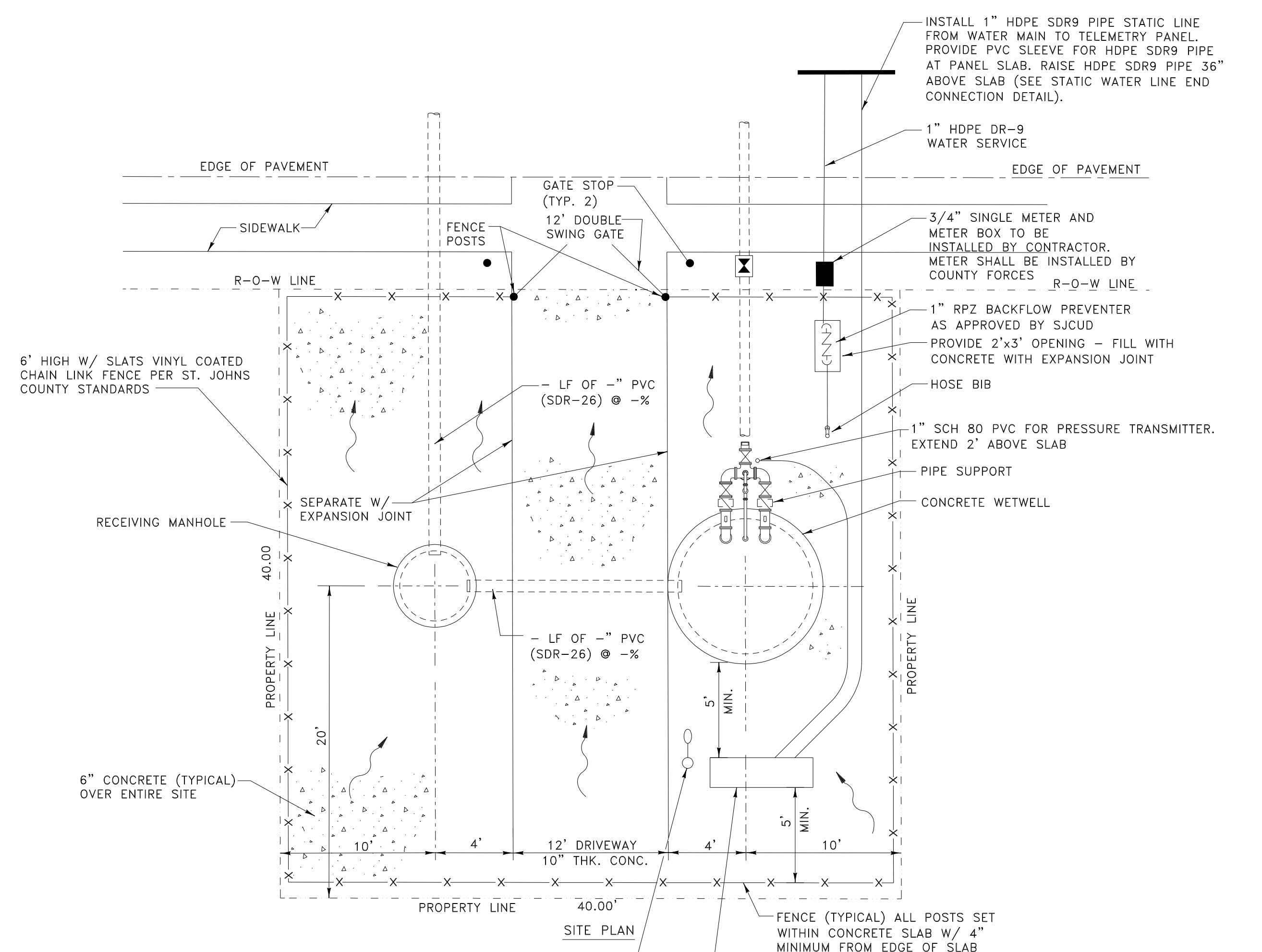
VENT SHALL BE ON THE DISCHARGE TEE SIDE OF THE WETWELL (AWAY FROM THE CONTROL PANEL)



LIFT STATION	
STATION ELEVATIONS	
(A) TOP ELEVATION	_____
(B) GRADE ELEVATION	_____
(C) INFLUENT INVERT	_____
(D) HIGH WATER ALARM	_____
(E) LAG PUMP ON (NO. 2)	_____
(F) LEAD PUMP ON (NO.1)	_____
(G) ALL PUMPS OFF	_____
(H) BOTTOM OF WET WELL	_____
STATION INFORMATION	
(I) PUMP DISCHARGE PIPING SIZE	4"
(J) FORCE MAIN PIPING SIZE	4"
(K) TOP SLAB THICKNESS (MIN)	8"
(L) SIDE WALL THICKNESS (MIN)	8"
(M) BOTTOM SLAB THICKNESS	12"
(N) BOTTOM SLAB DIAMETER (MIN)	8'-4"
(O) WET WELL DIAMETER	6' DIA MIN.
(Q) EMERGENCY SUCTION PIPING SIZE	4"
PUMP INFORMATION	
NUMBER OF PUMPS	2
PUMP MANUFACTURER	(10) NON-CLOG SUBMERSIBLE
PUMP MODEL	(10) IMPELLER ID _____
DISCHARGE	MOTOR RPM _____
HP	VOLTS 3 PHASE _____ HZ _____
MANIFOLD COND.	GPM AT _____ FT.TDH _____
RUN-OUT COND.	GPM AT _____ FT.TDH _____
PUMP ACCESS HATCH SIZE	x _____
ELECTRICAL SERVICE AMPS (100 or 200)	_____

MECHANICAL EQUIPMENT SCHEDULE	
(1)	CHECK VALVE, SWING-TYPE LEVER FACING OUTSIDE, LEVER AND SPRING OPERATED, IRON BODY, BRONZE MOUNTED
(2)	PLUG VALVE, CAST IRON BODY, LEVER ACTUATED
(2A)	CONTRACTOR TO INSTALL: (2)-1" STAINLESS STEEL BALL VALVES (2)-1"x1" STAINLESS STEEL TEE (2)-1" PLUG
(3)	STAINLESS STEEL TEE
(4)	STAINLESS STEEL SHORT RADIUS 90° BEND
(5)	STAINLESS STEEL 45° BEND
(6)	316 STAINLESS STEEL PIPE (SCH 40)
(7)	DUCTILE IRON PUMP BASE
(8)	INFLUENT PIPE (SEE PLANS)
(9)	CONCRETE WETWELL
(10)	FLYGT PUMP (AS APPROVED BY ST. JOHNS COUNTY UTILITY DEPARTMENT)
(11)	ALUMINUM WETWELL ACCESS COVER (OPENING PER PUMP MANUFACTURER)
(12)	STAINLESS STEEL GUIDE RAILS
(13)	FLOATS AND PUMP CONTROLS PROVIDED BY PUMP MANUFACTURER AS SPECIFIED IN ELECTRICAL DETAILS
(14)	PUMP MOTOR CABLE
(15)	PASSIVE ODOR NEUTRALIZATION DEVICE
(16)	STAINLESS STEEL CABLE HOLDER
(17)	1" STAINLESS BLOW OFF LINE TO WETWELL-SECURE LINE TO WETWELL SLAB WITH UNISTRUT WITH UNIONS
(18)	1/4" STAINLESS STEEL WITH 18" OF CHAIN LINKS

- NOTES:**
- ACCESS COVER FOR THE WETWELL SHALL BE 1/4" ALUM. TREAD PLATE WITH STAINLESS STEEL HARDWARE. COVER SHALL BE PROVIDED WITH LIFTING HANDLE, LOCKING HASP AND SAFETY LATCH TO HOLD COVERS OPEN. OPENING IN WETWELL SLAB AS PER MANUFACTURER'S SPECIFICATIONS.
 - ALL CONCRETE SHALL BE 6" THICK AND REINFORCED WITH 6 X 6 10/10 WWM EXCEPT DRIVEWAY WHICH SHALL BE 10" THICK.
 - "J" BOLT MOUNTING HOLE AND CONDUIT HOLES SHALL BE CORE DRILLED IN THE FIELD AS PER SHOP DRAWINGS OR ACTUAL FIELD REQUIREMENTS.
 - CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF PRECAST WETWELL. SHOP DRAWINGS SHALL INCLUDE ALL NECESSARY STRUCTURAL AND FLOTATION CALCULATIONS.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING ELECTRICAL POWER TO THE PUMPING STATION. THREE PHASE POWER IS REQUIRED. THIS WORK IS TO BE COORDINATED WITH FLORIDA POWER AND LIGHT.
 - THE INTERIOR OF THE WET WELL AND RECEIVING MANHOLE SHALL BE COATED WITH LINER BY APPROVED MANUFACTURER.
 - A LIGHTNING ARRESTER SHALL BE SUPPLIED AND INSTALLED BY THE "SYSTEM" SUPPLIER.
 - A SURGE SUPPRESSOR SHALL BE SUPPLIED AND INSTALLED BY THE "SYSTEM" SUPPLIER.
 - AN AUDIBLE ALARM SHALL BE SUPPLIED AND INSTALLED BY THE "SYSTEM" SUPPLIER.
 - THE SURFACE OF THE WET WELL SHALL FIRST BE PREPARED BY GROUTING THE WET WELL AS REQUIRED TO OBTAIN A SMOOTH SURFACE. THE COATING SHALL BE WARRANTED FOR A MINIMUM OF 10 YEARS FOR MATERIAL AND WORKMANSHIP.
 - PLUG VALVE OPERATOR SHALL BE MOUNTED PARALLEL TO GROUND AND FACE OUTWARD.



NO.	BY	DATE	SYMBOL	REVISIONS
6.				
5.				
4.				
3.	ETS	2019		REVISION 5
2.	ETS	2017		REVISION 3 & 4
1.	ETS	2016		REVISION 2 & 3

DESIGNER:	DESIGN ENGINEER:
DRAWN BY:	FLORIDA REGISTRATION NO.:
DATE:	
CHECKED BY:	
DATE:	

ST. JOHNS COUNTY UTILITY DEPARTMENT
 1205 STATE ROAD 16
 ST AUGUSTINE, FLORIDA 32084-8646
 Phone (904) 209-2700 • Fax. (904) 209-2702

4" PUMP STATION STANDARD DETAIL
 SCALE: N.T.S.

NO. SHEETS
SHEET NO.
PS-4
DRAWING NO.
PS-4.dwg