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## ADDENDUM NO. 1

WASHINGTON STATE PARKS AND RECREATION COMMISSION  
POTHOLES STATE PARK  
SEWER LIFT STATION REPLACEMENT  
EW-C6701

DATE: March 31, 2025

**ATTENTION TO PLANHOLDERS OF RECORD.** The following revisions are hereby made a part of the Contract Documents. *Please be sure to acknowledge all Addenda on the Bid Form.*

### CHANGES TO THE DRAWINGS

- The posted drawing set has been revised.
- On the original **Cover Sheet**, an error was discovered in the Index. The revised drawing set has the cover page with the correct index.

### **Action Required:**

Please remove the original drawing set in its entirety and replace it with the attached revised set, which includes **Sheets 1-20**.

### ATTACHMENTS.

— Complete Drawing Set-Revised (20 pages)

For questions or further clarification, please contact State Parks Representative David Brown at (509) 665-4338, [david.crown@parks.wa.gov](mailto:david.crown@parks.wa.gov).

*Brett Taylor*

\_\_\_\_\_  
Brett Taylor, Procurement Coordinator  
Contracts and Grants Program

03/31/25

\_\_\_\_\_  
Date

END OF ADDENDUM NO. 1

# WASHINGTON STATE PARKS & RECREATION COMMISSION

KEN BOUNDS, CHAIR

SOPHIA DANENBERG

MICHAEL LATIMER

LAURIE CONNELLY

HOLLY WILLIAMS

MARK O. BROWN

ALI RAAD

DIANA DUPUIS, DIRECTOR

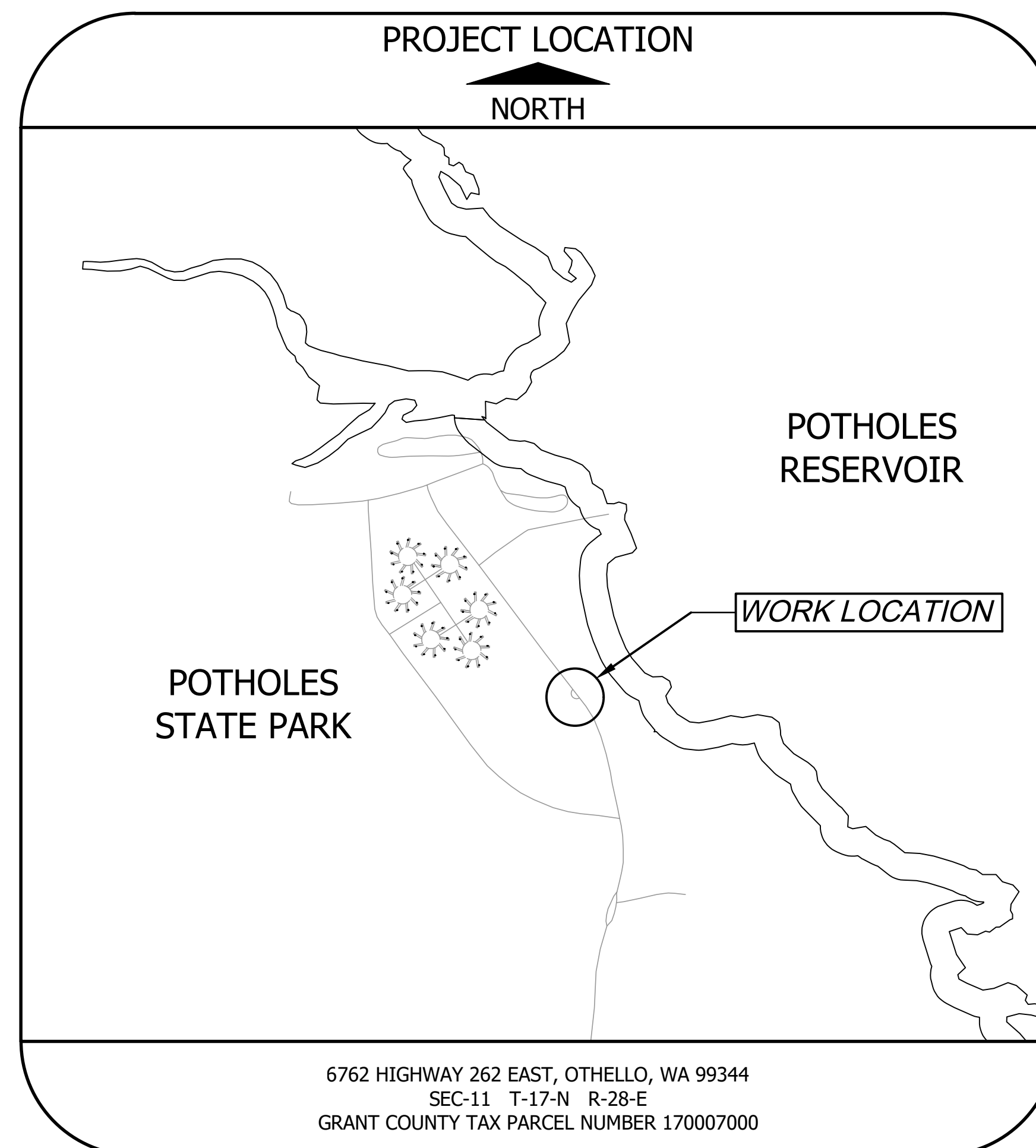
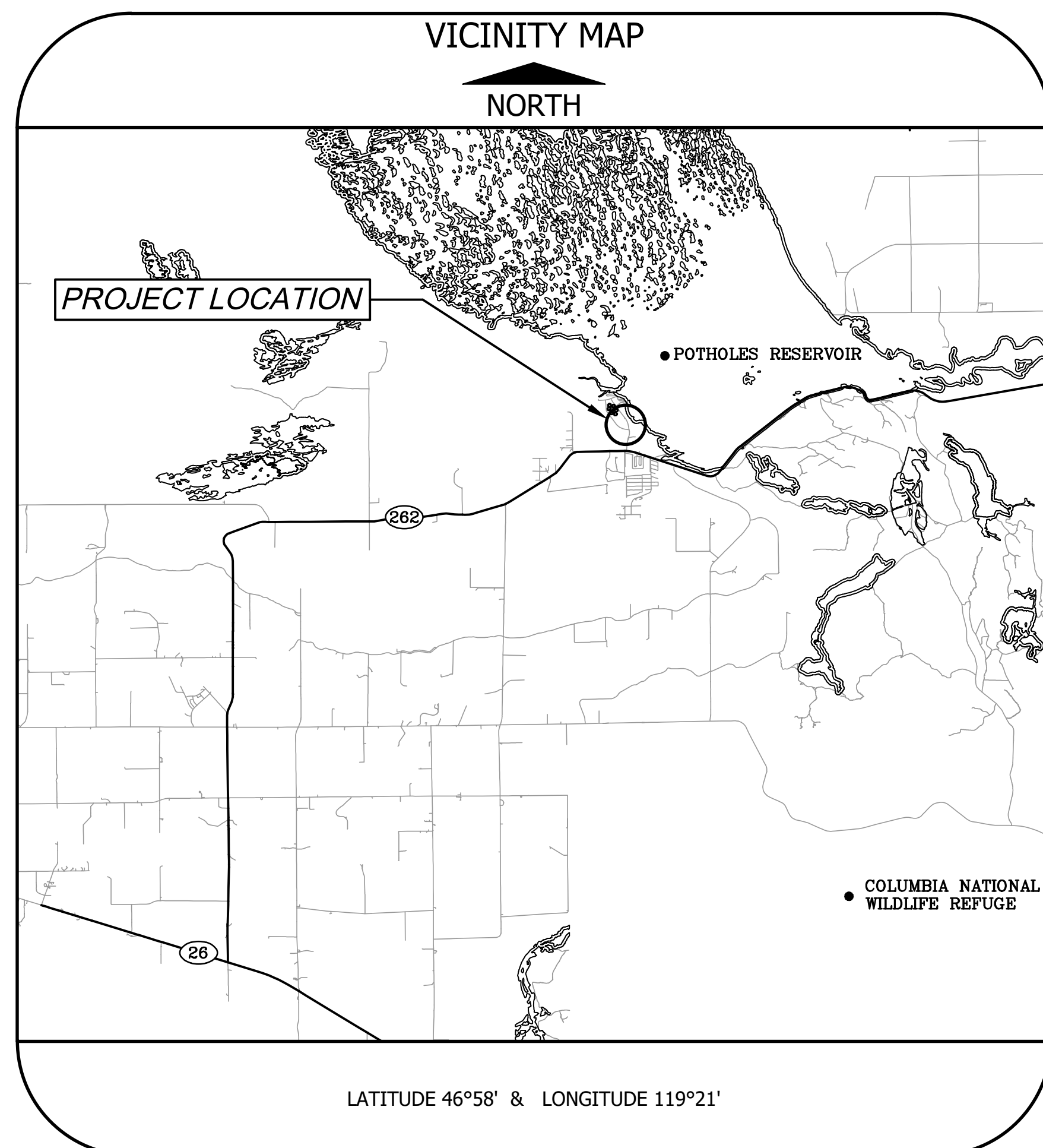


*Jason Both* 2/20/2025  
REGION MANAGER date

*Kyle Murphy* 2/20/2025  
CAPITAL PROGRAM MANAGER date

Area Manager: Denis Felton

## POTHOLES STATE PARK SEWER LIFT STATION REPLACEMENT



### INDEX

SHEET	DESCRIPTION
1	COVER SHEET
2	GENERAL INFORMATION
3	EXISTING SITE PLAN
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14	ELECTRICAL LEGEND
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16	ELECTRICAL SITE PLAN
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19	ELECTRICAL DETAILS
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	DATE
	APP.
	INT.
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	NO.

ACTION	BY	DATE
DESIGNED	PNY	1/27/2025
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CHECKED (HDQTS.)		

WASHINGTON  
STATE  
PARKS  
AND  
RECREATION  
COMMISSION

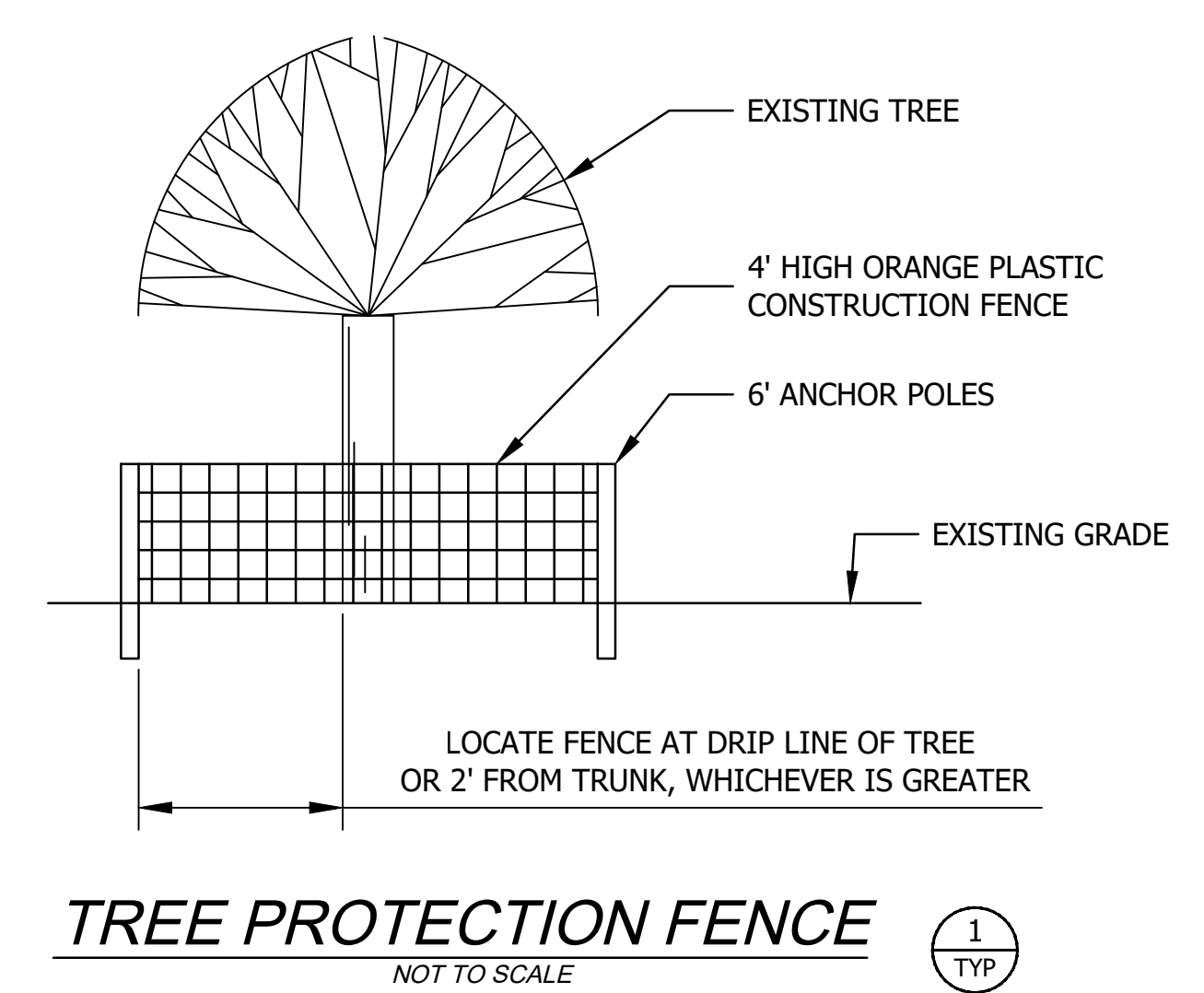
POTHoles  
STATE PARK  
SEWER LIFT STATION  
REPLACEMENT

GENERAL INFORMATION

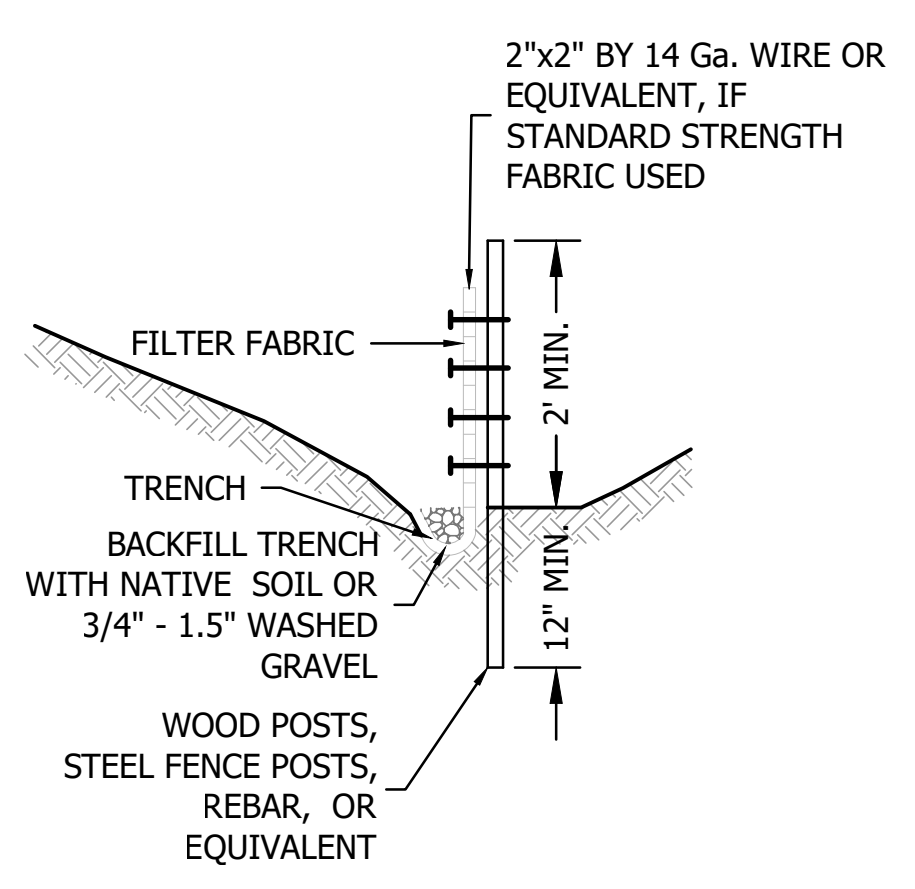
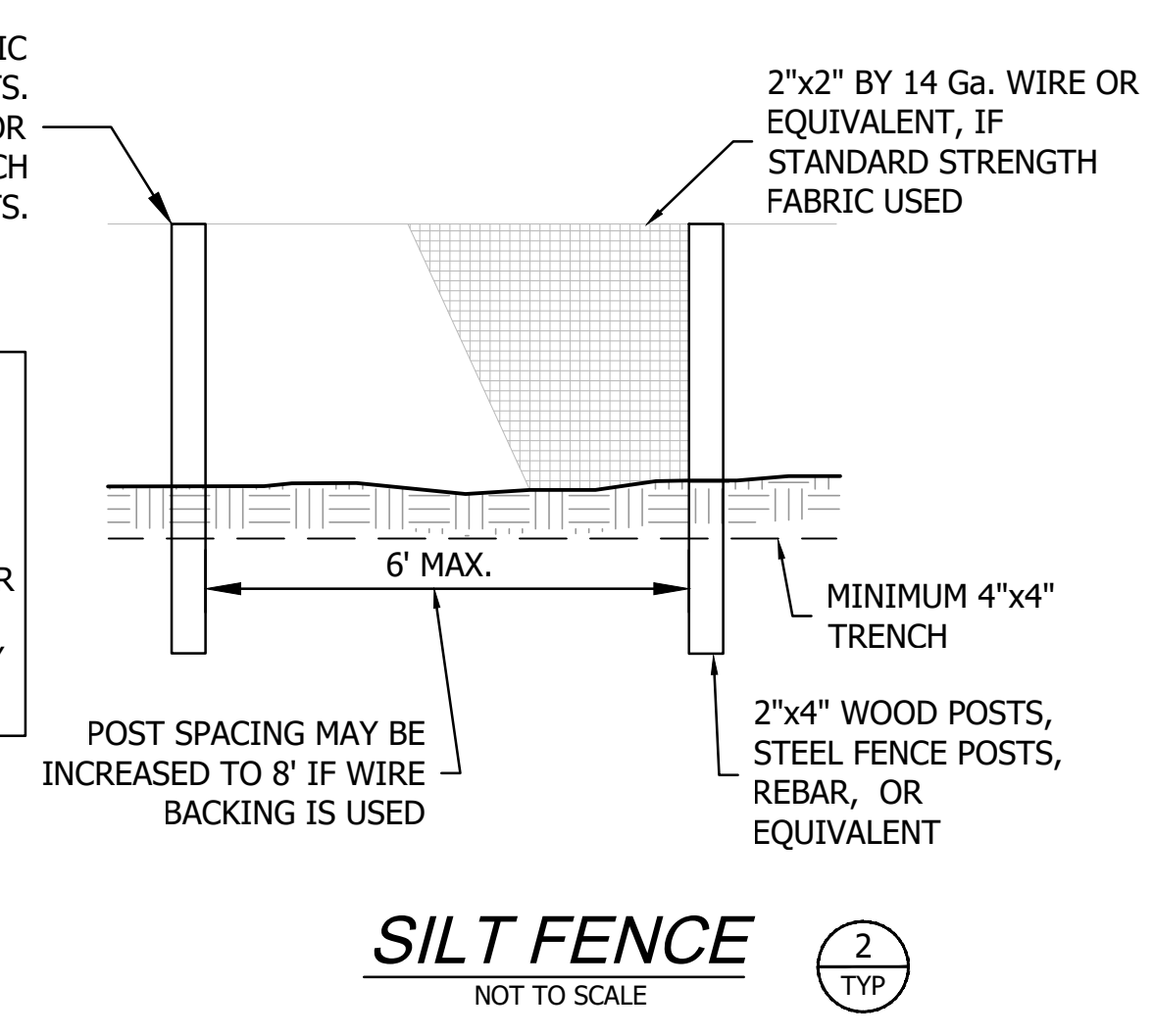
- LEGEND**
- S--- EXISTING GRAVITY SEWER
  - (wavy line)--- ABANDONED GRAVITY SEWER
  - F--- EXISTING SEWER FORCE MAIN
  - (wavy line)--- ABANDONED SEWER FORCE MAIN
  - UGP--- ABANDONED UGP
  - W--- EXISTING DOMESTIC WATER
  - I/W--- EXISTING IRRIGATION
  - UGP--- EXISTING UNDERGROUND ELECTRICAL (SECONDARY)
  - (UGP symbol)--- EXISTING UNDERGROUND ELECTRICAL (PRIMARY)
  - EXISTING ELECTRICAL TRANSFORMER
  - ◆ EXISTING IRRIGATION BOX
  - ⊗ EXISTING IRRIGATION VALVE
  - ⊠ EXISTING DRAIN VALVE
  - EXISTING SPRINKLER
  - EXISTING TREE
  - ~ EXISTING VEGETATION
  - ▨ MATERIAL AND EQUIPMENT STORAGE AREA
  - ▭ EXISTING PAVEMENT AND CONCRETE
  - (dashed)--- CONSTRUCTION DISTURBANCE LIMITS
  - (dashed)--- EXCAVATION LIMITS
  - UGP--- UNDERGROUND POWER
  - TREE PROTECTION FENCE
  - △ YARD HYDRANT DRAIN VALVE
  - X--- SILT FENCE
  - X--- CHAINLINK FENCE

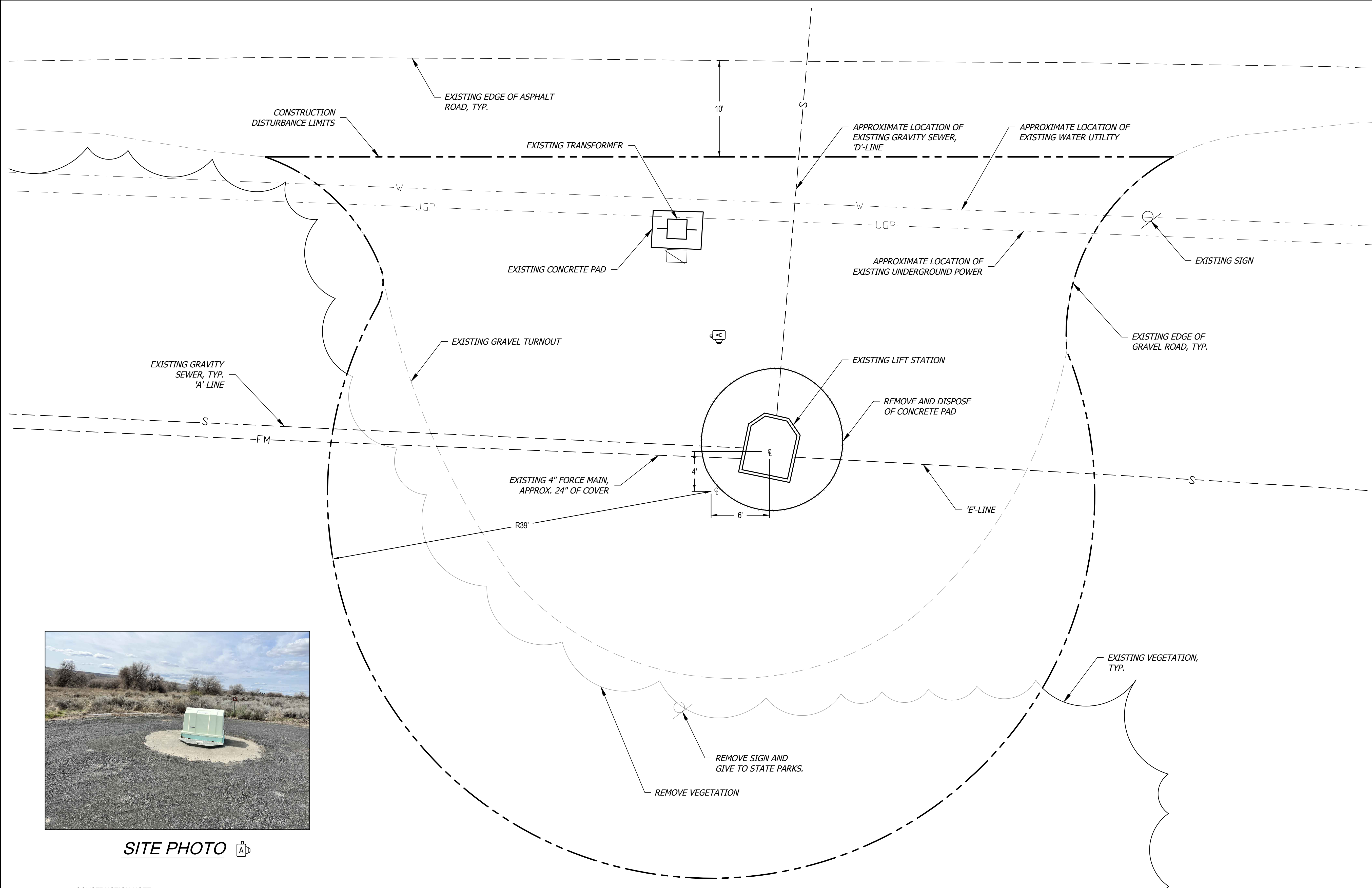
- CONSTRUCTION NOTES**
- EXISTING SITE PLANS WERE DEVELOPED FROM MULTIPLE PRIOR PROJECT RECORDS. NO SURVEY WAS PERFORMED FOR THIS PROJECT. TOPOLOGICAL AND UTILITY INFORMATION SHOWN MAY NOT ACCURATELY REFLECT EXISTING CONDITIONS. CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY IF FIELD CONDITIONS VARY FROM THOSE SHOWN.
  - SLOPED-SIDE EXCAVATION IN LIEU OF SHORING FOR WETWELLS WILL NOT BE ALLOWED. SHORING MANHOLE BOXES, MANHOLE SHIELDS OR FUNCTIONAL EQUIVALENT MUST BE USED FOR CONSTRUCTION OF THE WET WELLS.

- ABBREVIATIONS**
- FL: FLANGED
  - PE: PLANE END
  - MJ: MECHANICAL JOINT
  - RJ: RESTRAINED JOINT
  - LF: LINEAL FEET
  - DI: DUCTILE IRON
  - SS: STAINLESS STEEL
  - TYP: TYPICAL
  - GSP: GALVANIZED STEEL PIPE
  - UGP: UNDERGROUND POWER



- NOTES:**
- FILTER FABRIC FENCES SHALL BE INSTALLED ALONG CONTOUR WHENEVER POSSIBLE
  - SILT FENCE SHALL BE INSTALLED WHENEVER WORK IS BEING COMPLETED ADJACENT TO OR PERPENDICULAR TO A DRAINAGE OR WATERWAY, OR ELSEWHERE AS DIRECTED BY THE OWNER'S FIELD REPRESENTATIVE.

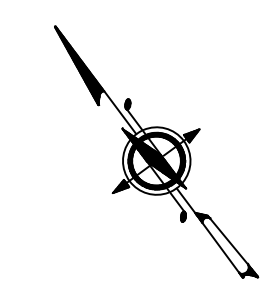




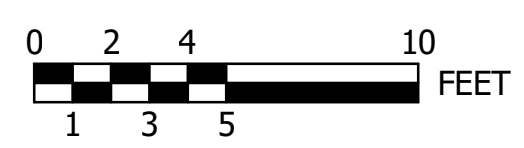
**SITE PHOTO**

**CONSTRUCTION NOTE**

CONSTRUCTION DISTURBANCE LIMITS AND MATERIALS AND EQUIPMENT STORAGE AREAS SHOWN ON THIS PLAN ENCOMPASS THE MINIMUM AREA THE CONTRACTOR IS ASSUMED TO NEED. THE CONTRACTOR MAY BE ALLOWED TO USE ADDITIONAL AREA WITH APPROVAL FROM THE ENGINEER. ALL AREAS THAT ARE DISTURBED BY THE CONTRACTOR'S ACTIVITIES WILL BE RESTORED BY THE CONTRACTOR UNDER THE ORIGINAL BID PRICE. NO ADDITIONAL PAYMENT WILL BE MADE FOR RESTORATION OF DAMAGE CAUSED BY THE CONTRACTOR.

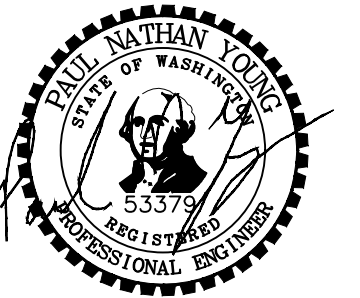


**LIFT STATION - EXISTING SITE PLAN**



NO.	REVISIONS	INT.	APP.	DATE

ACTION	BY	DATE
DESIGNED	PNY	1/27/2025
DRAWN	JTR	1/27/2025
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CHECKED (HDQTS.)		



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**WASHINGTON STATE PARKS AND RECREATION COMMISSION**

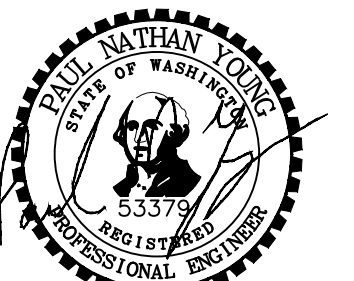


**POTHOLES STATE PARK**  
**SEWER LIFT STATION REPLACEMENT**

EXISTING SITE PLAN



ACTION	BY	DATE
DESIGNED	PNY	1/27/2025
DRAWN	JTR	1/27/2025
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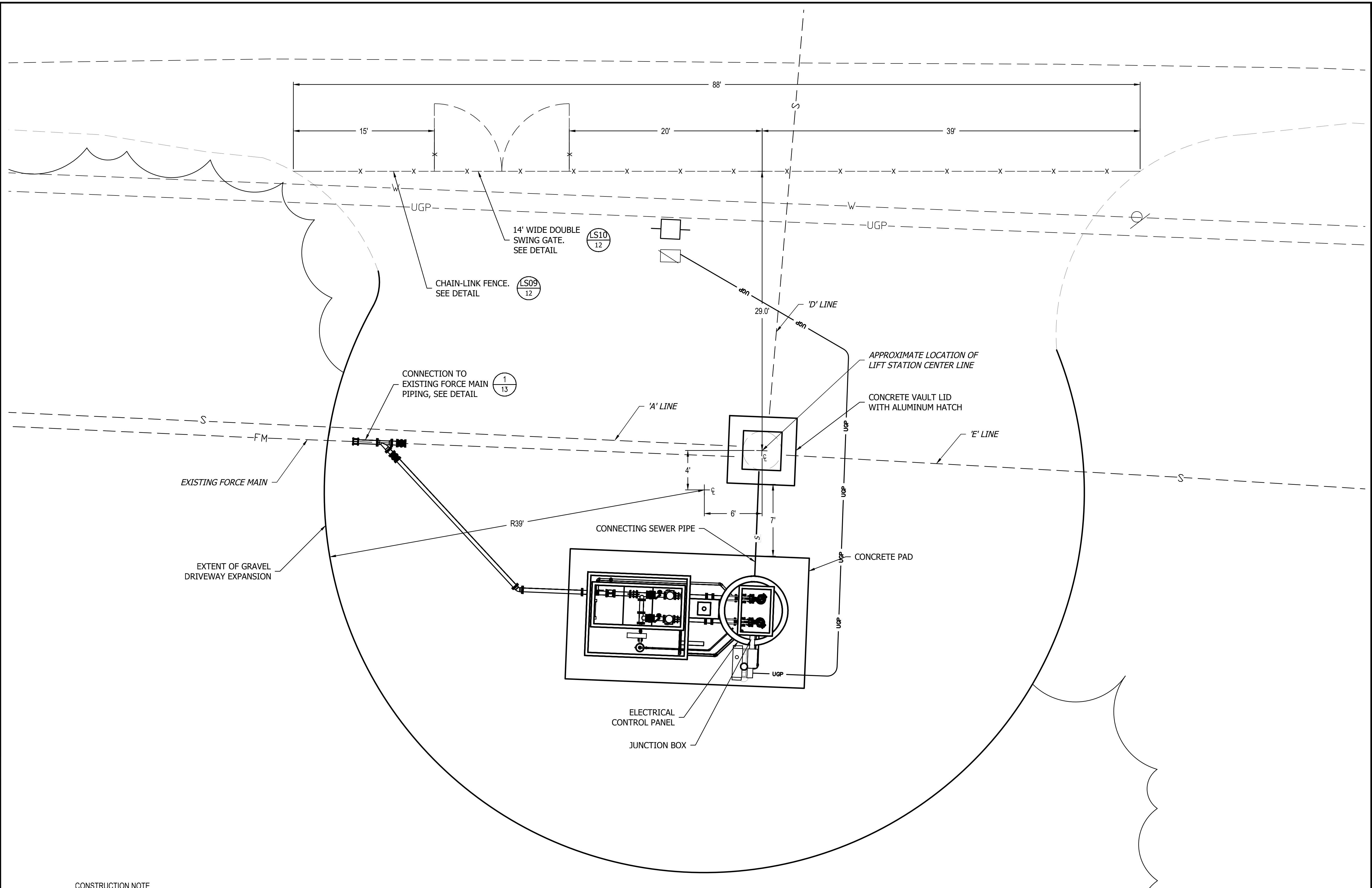


POTHOLES  
STATE PARK

SEWER LIFT STATION  
REPLACEMENT

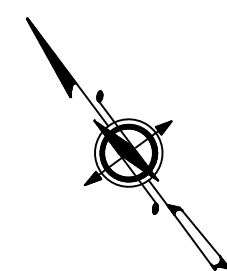
LIFT STATION SITE PLAN

SHEET 4 OF 20



**CONSTRUCTION NOTE**

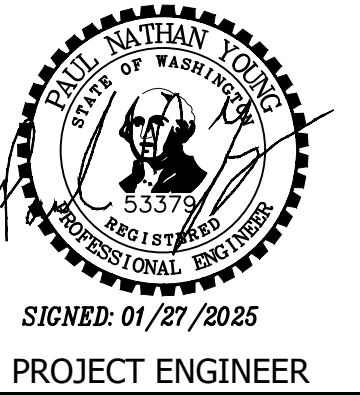
CONSTRUCTION DISTURBANCE LIMITS AND MATERIALS AND EQUIPMENT STORAGE AREAS SHOWN ON THIS PLAN ENCOMPASS THE MINIMUM AREA THE CONTRACTOR IS ASSUMED TO NEED. THE CONTRACTOR MAY BE ALLOWED TO USE ADDITIONAL AREA WITH APPROVAL FROM THE ENGINEER. ALL AREAS THAT ARE DISTURBED BY THE CONTRACTOR'S ACTIVITIES WILL BE RESTORED BY THE CONTRACTOR UNDER THE ORIGINAL BID PRICE. NO ADDITIONAL PAYMENT WILL BE MADE FOR RESTORATION OF DAMAGE CAUSED BY THE CONTRACTOR.



**POTHOLES - LIFT STATION SITE PLAN**



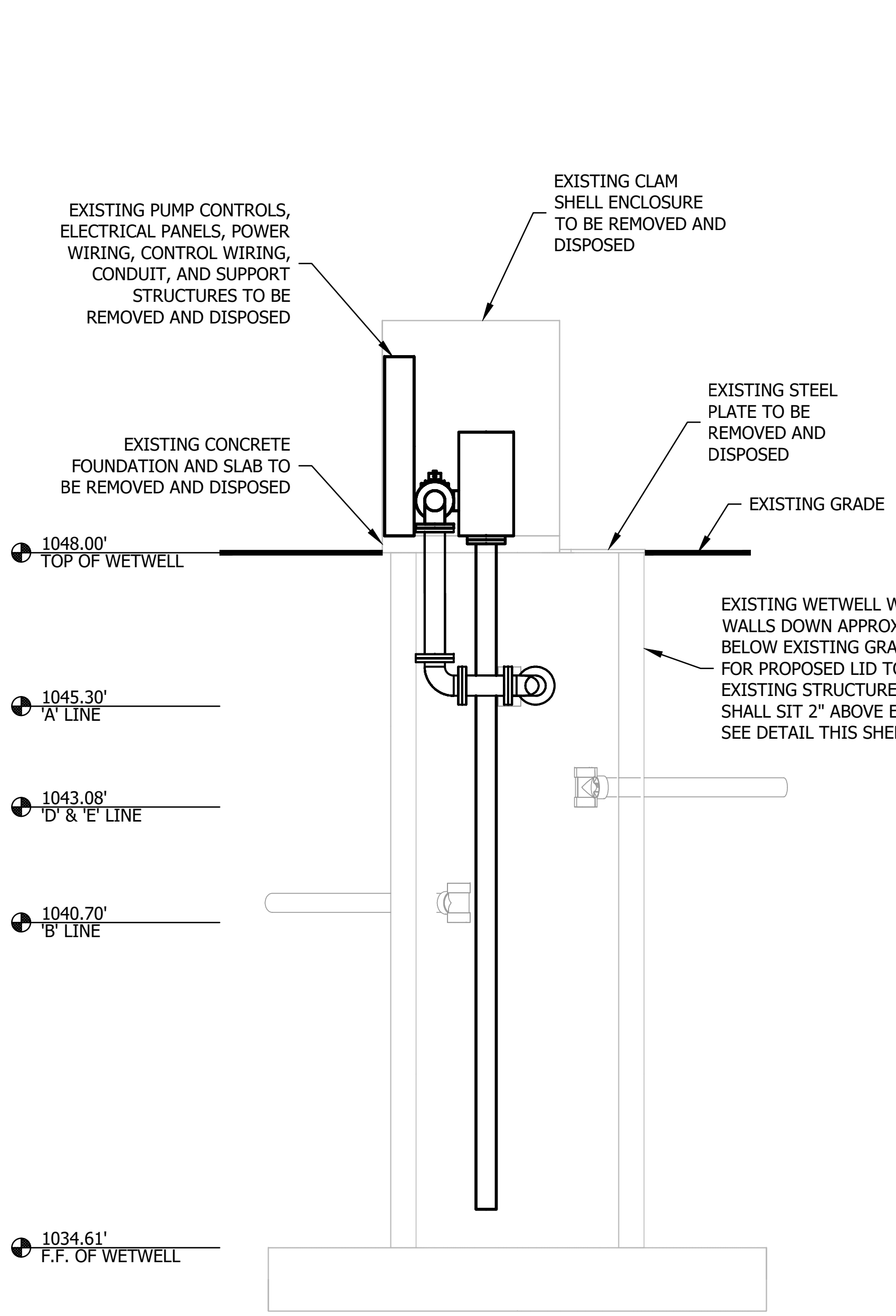
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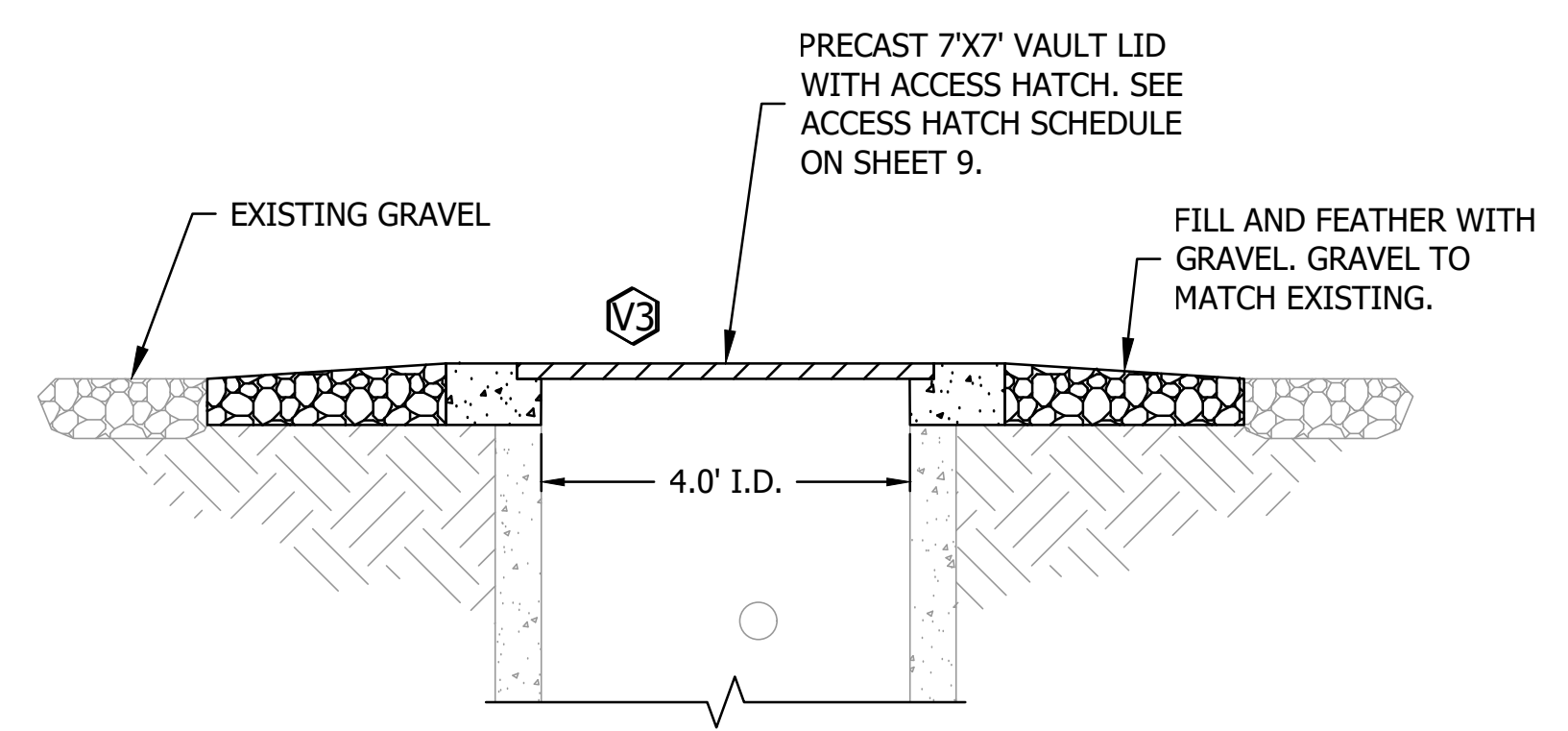
POTHoles  
STATE PARK  
SEWER LIFT STATION  
REPLACEMENT

EXISTING MECHANICAL  
AND DEMOLITION PLAN



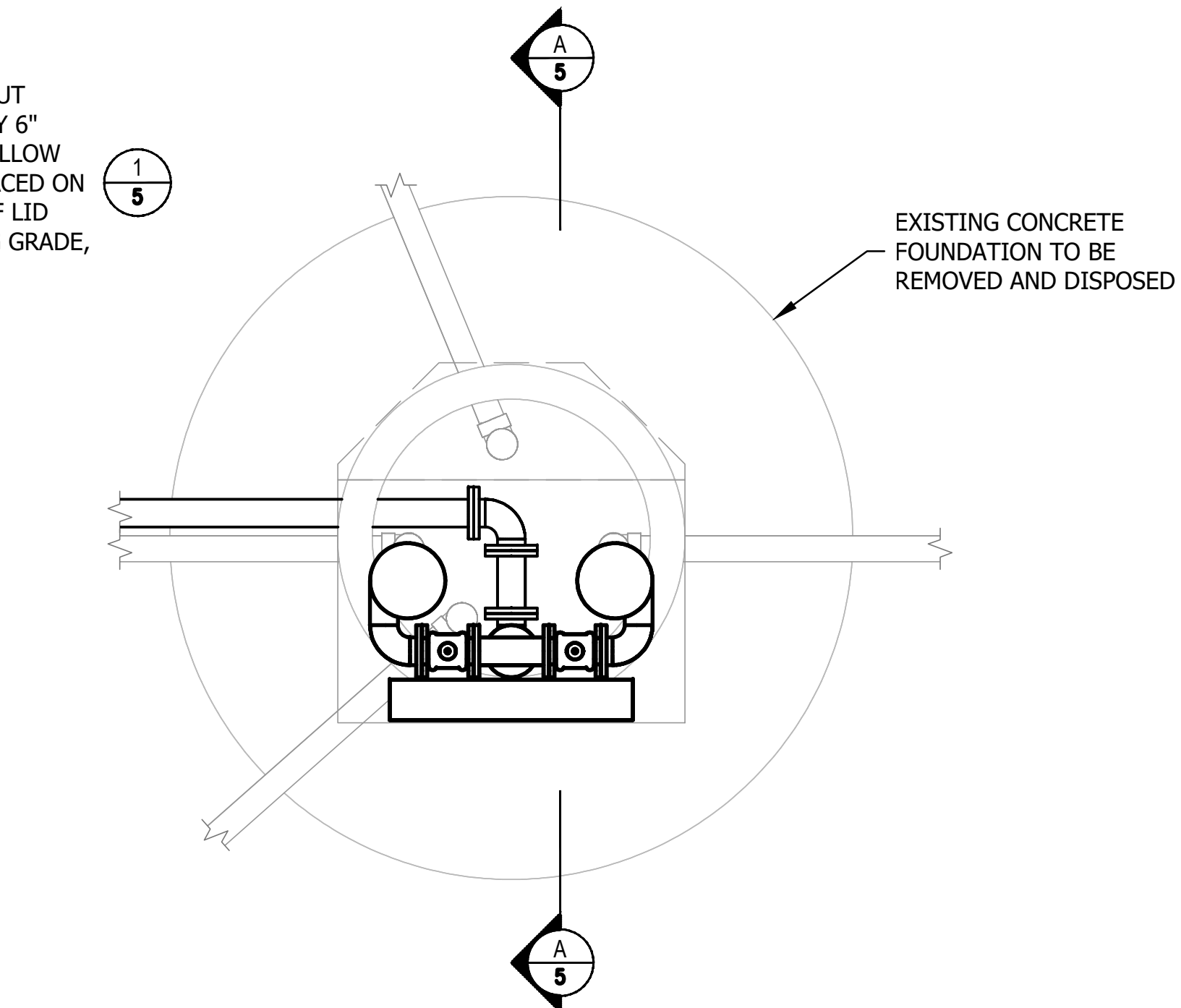
**EXISTING WETWELL  
MECHANICAL ELEVATION**

0 2 4 FEET  
1

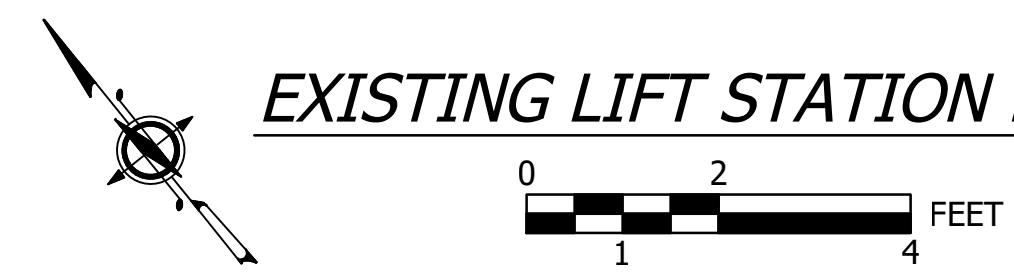


**EXISTING WETWELL LID REPLACEMENT**

NOT TO SCALE

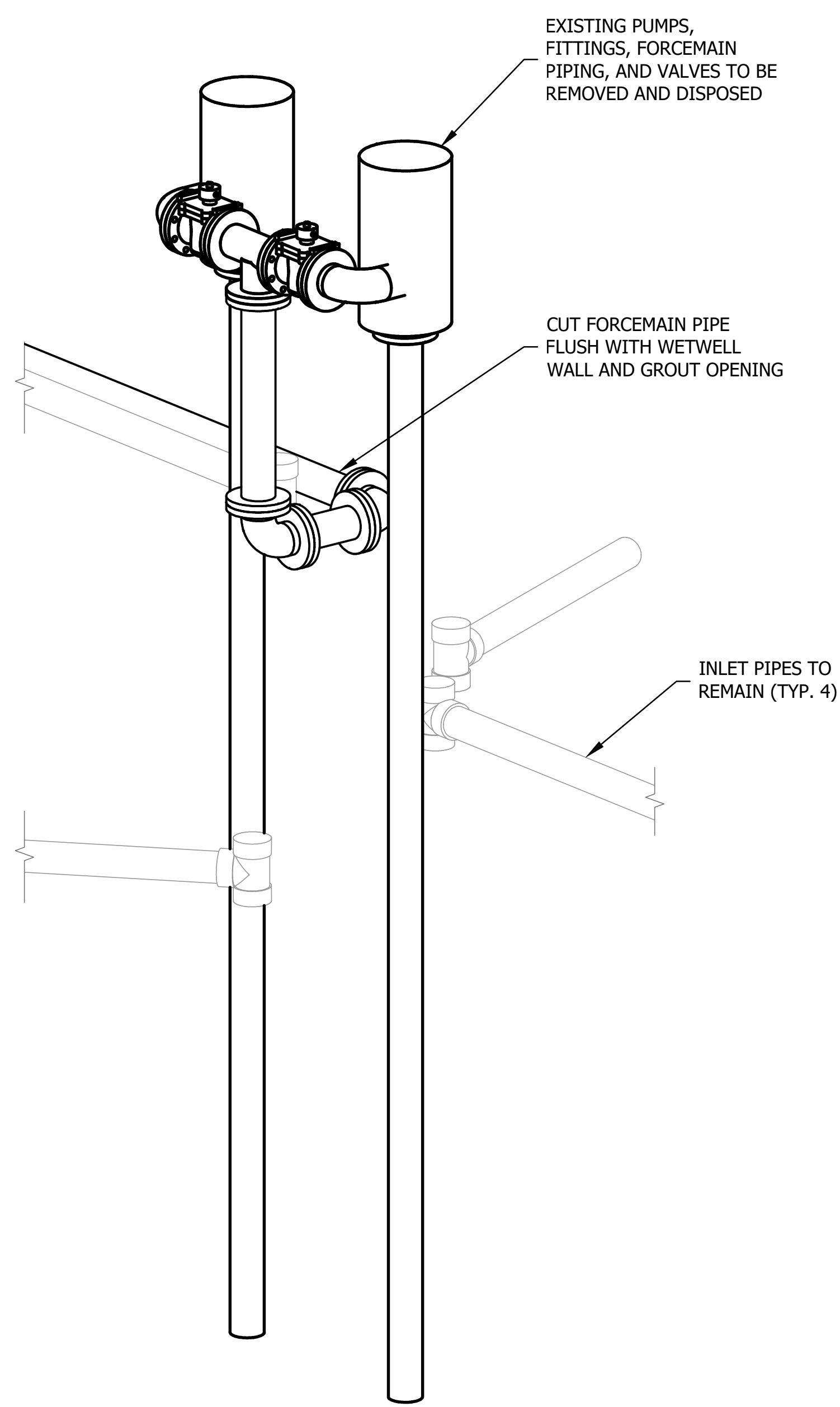


**EXISTING LIFT STATION PLAN**



**CONSTRUCTION SEQUENCING**

1. EXISTING LIFT STATION IS TO REMAIN IN SERVICE DURING CONSTRUCTION. THIS DEMOLITION PLAN SHOWS WORK THAT WILL OCCUR AFTER THE NEW STATION IS IN SERVICE.
2. IF CONTRACTOR NEEDS TO TEMPORARILY SHUT DOWN EXISTING LIFT STATION, CONTRACTOR SHALL PROVIDE ALL EQUIPMENT AND LABOR TO REMOVE SEWAGE FROM WETWELL AND TRANSPORT IT TO THE PARK LAGOONS DURING THE SHUT DOWN.

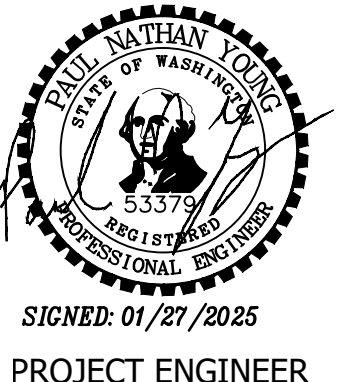


**EXISTING LIFT STATION OBLIQUE**

NOT TO SCALE



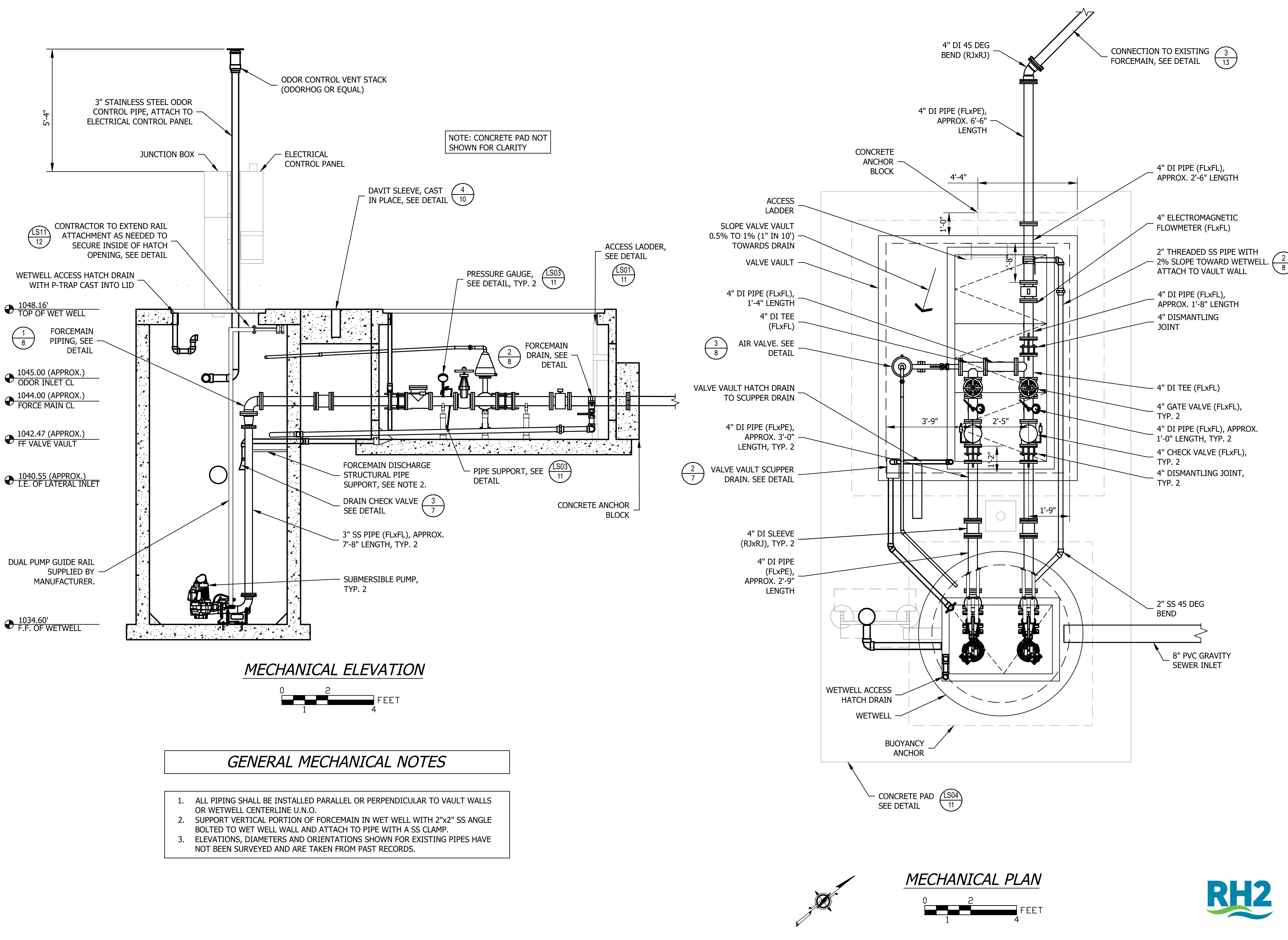
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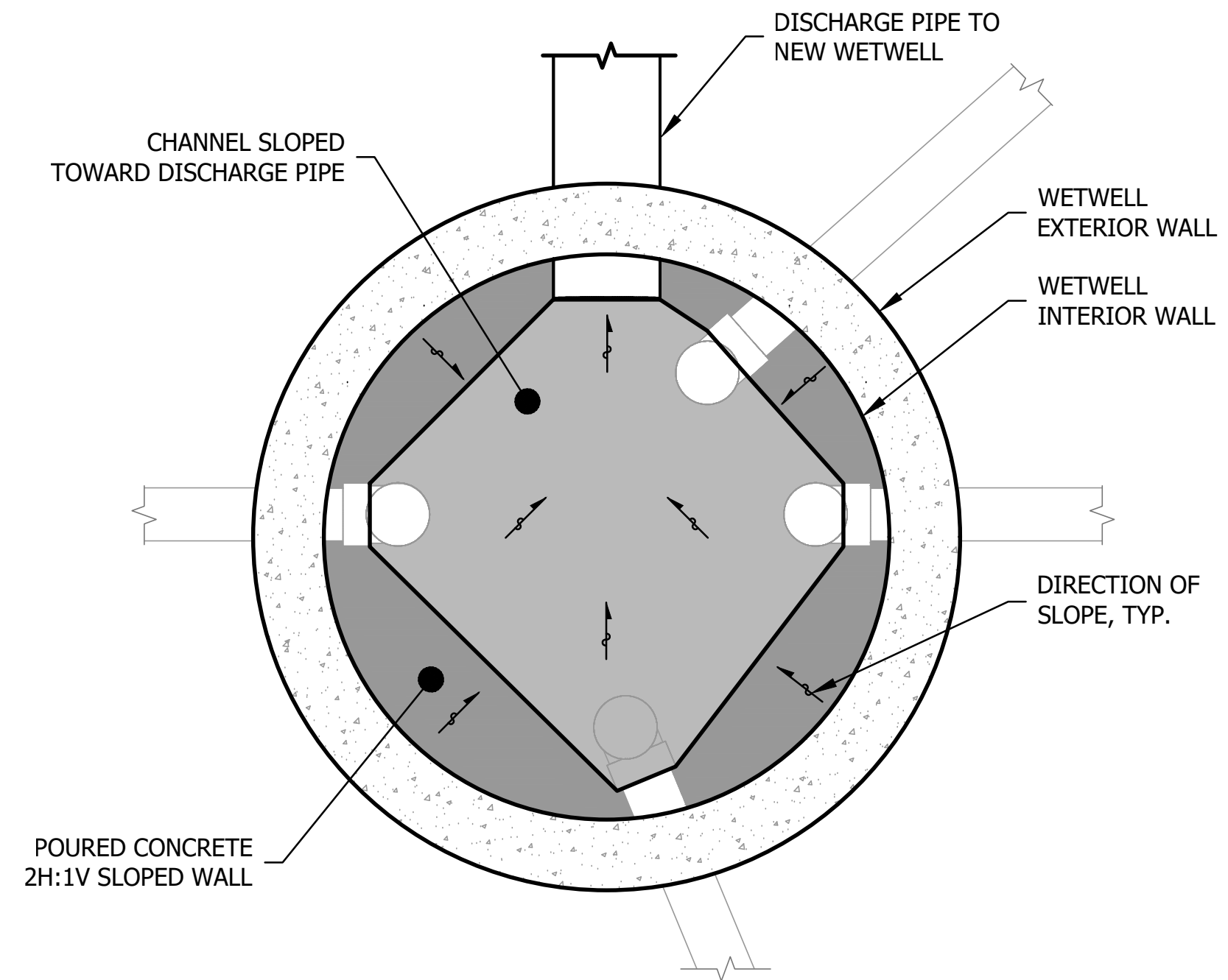
POTHoles  
STATE PARK  
SEWER LIFT STATION  
REPLACEMENT

MECHANICAL PLAN 1



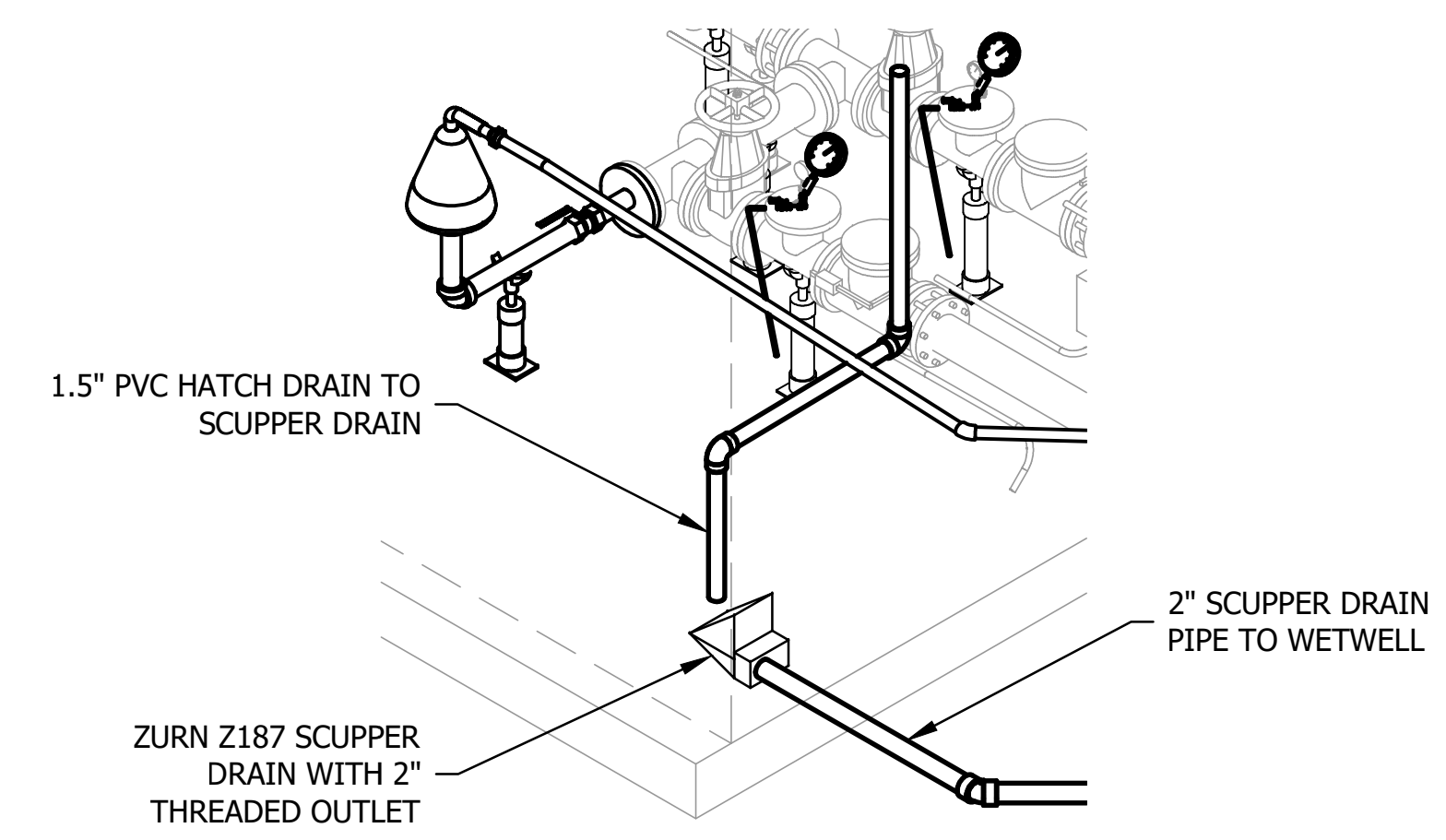
- GENERAL MECHANICAL NOTES**
1. ALL PIPING SHALL BE INSTALLED PARALLEL OR PERPENDICULAR TO VAULT WALLS OR WETWELL CENTERLINE U.N.O.
  2. SUPPORT VERTICAL PORTION OF FORCEMAIN IN WET WELL WITH 2"x2" SS ANGLE BOLTED TO WET WELL WALL AND ATTACH TO PIPE WITH A SS CLAMP.
  3. ELEVATIONS, DIAMETERS AND ORIENTATIONS SHOWN FOR EXISTING PIPES HAVE NOT BEEN SURVEYED AND ARE TAKEN FROM PAST RECORDS.





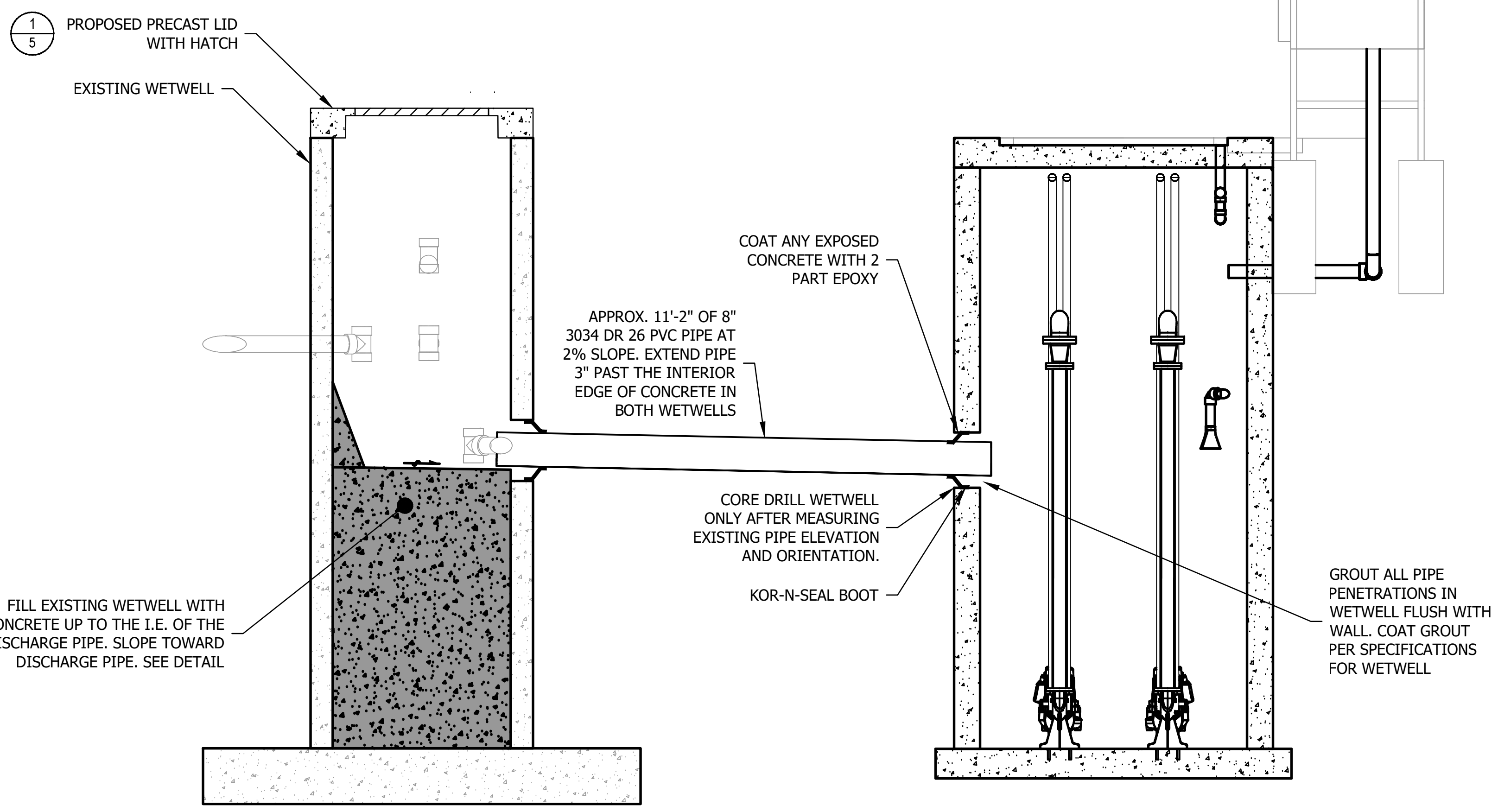
**EXISTING WETWELL BASE DETAIL**

1/7



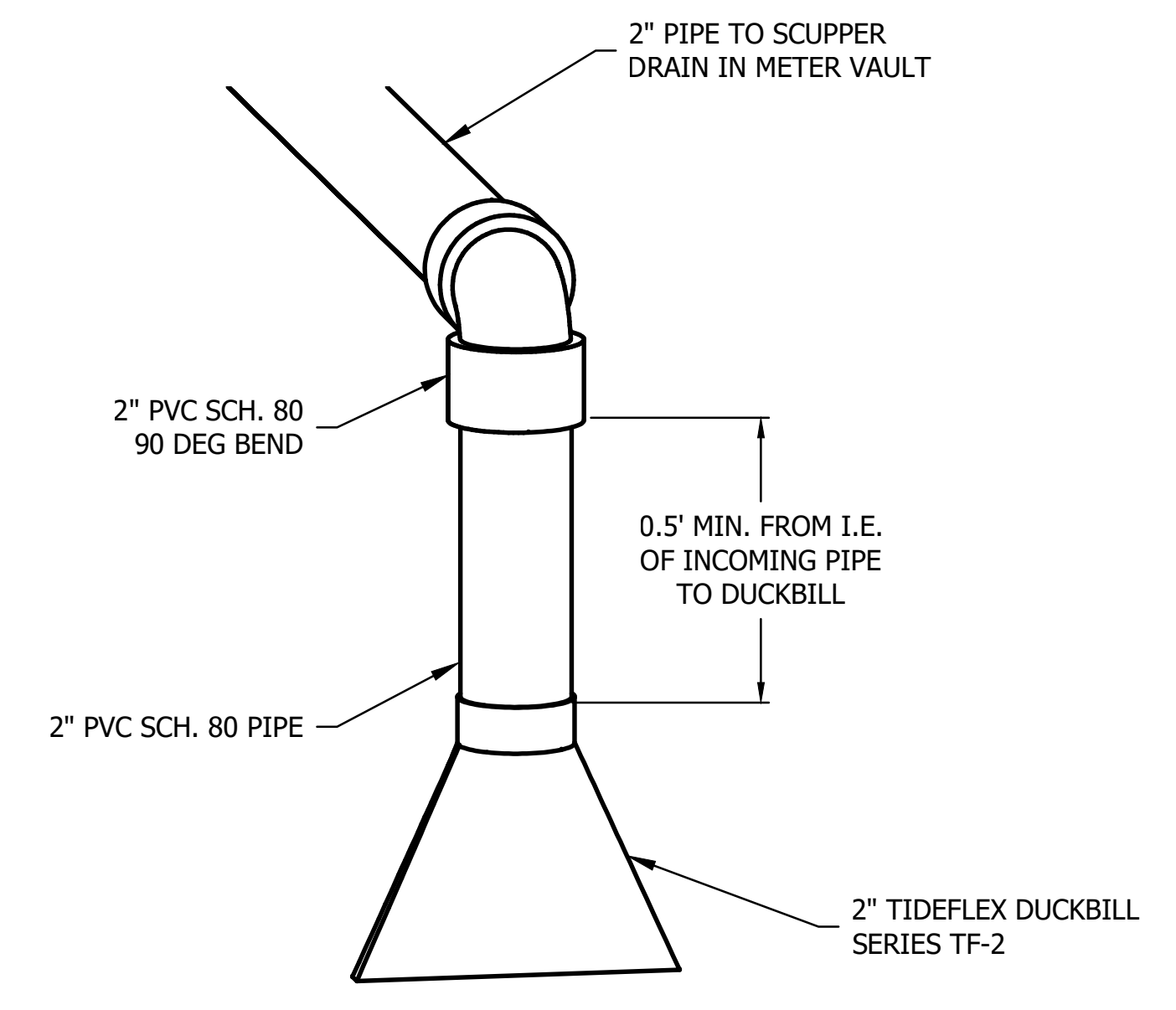
**VALVE VAULT SCUPPER DRAIN**

2/6



**MECHANICAL ELEVATION**

0 2 4 FEET



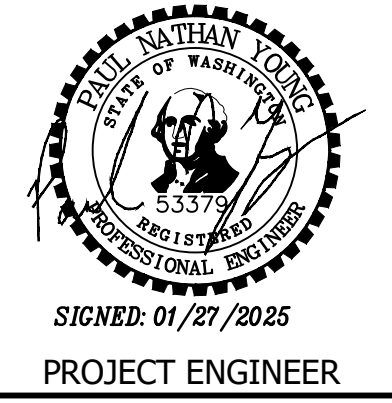
**VALVE VAULT DRAIN DISCHARGE IN WETWELL**

3/6

CAD NO. PSP-P-MECH

NO.	REVISIONS	INT.	APP.	DATE

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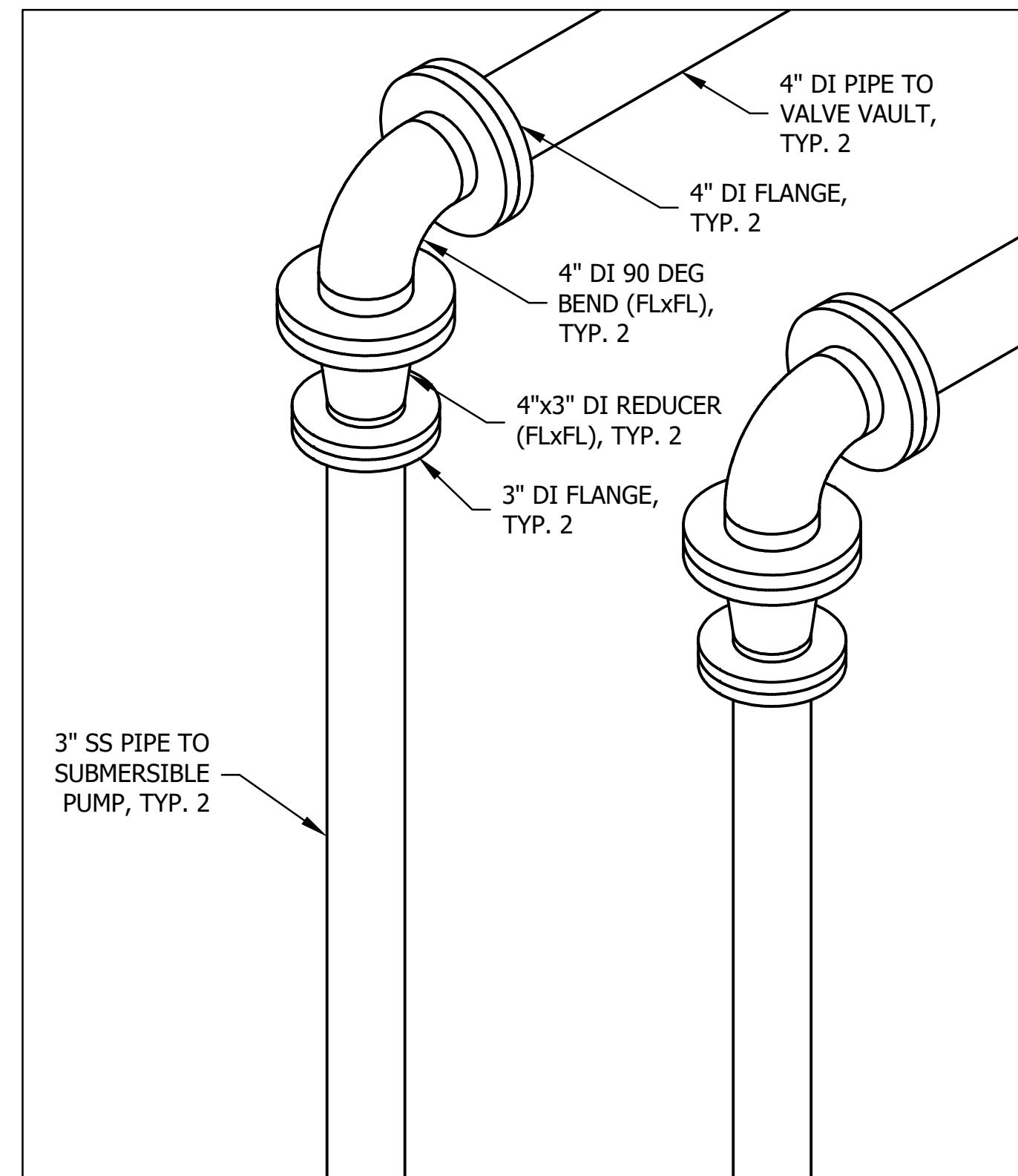
WASHINGTON  
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AND  
RECREATION  
COMMISSION

POTHoles  
STATE PARK  
SEWER LIFT STATION  
REPLACEMENT

MECHANICAL PLAN 2



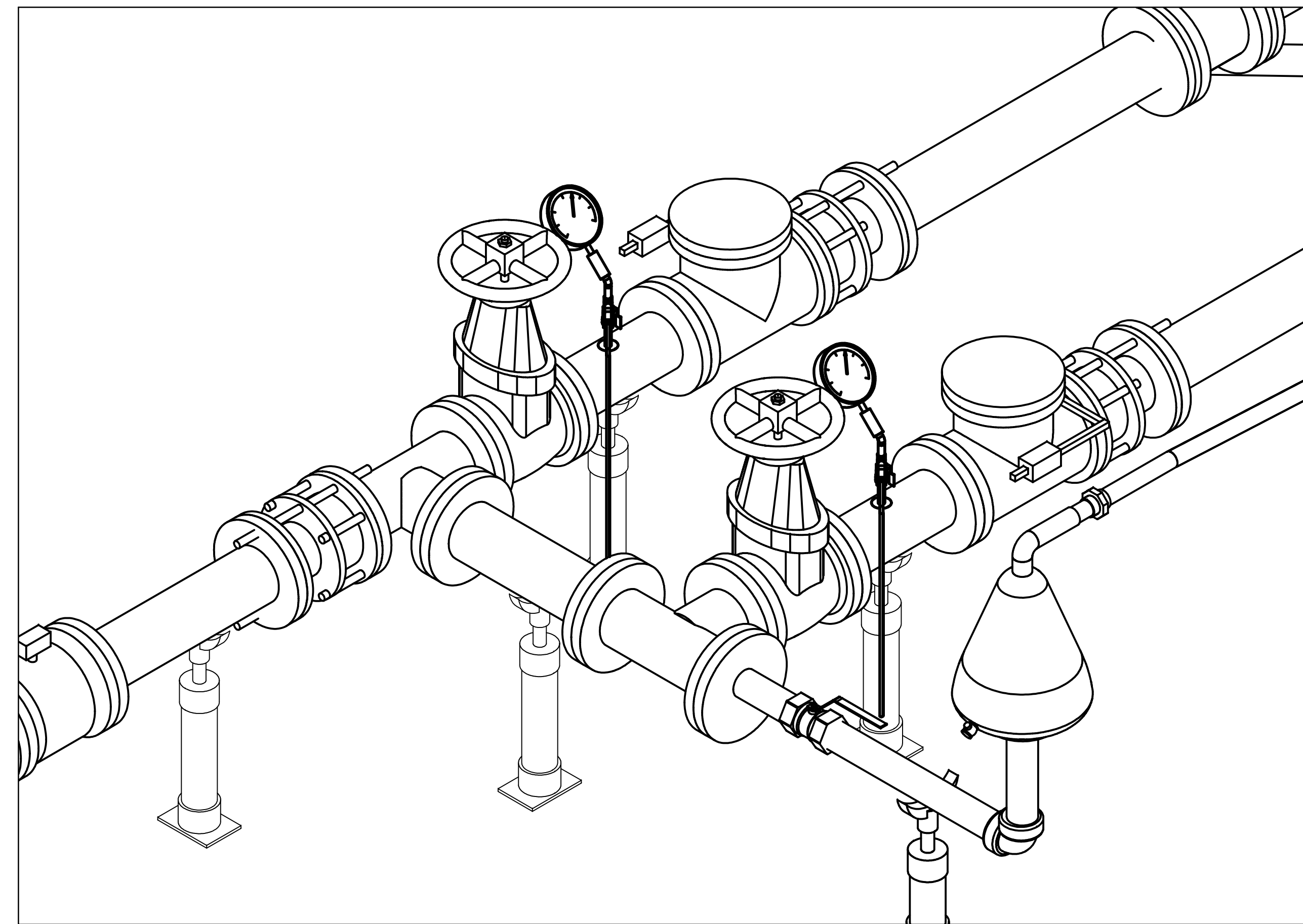




**TYPICAL WET WELL FORCEMAIN  
VERTICAL PIPING OBLIQUE**

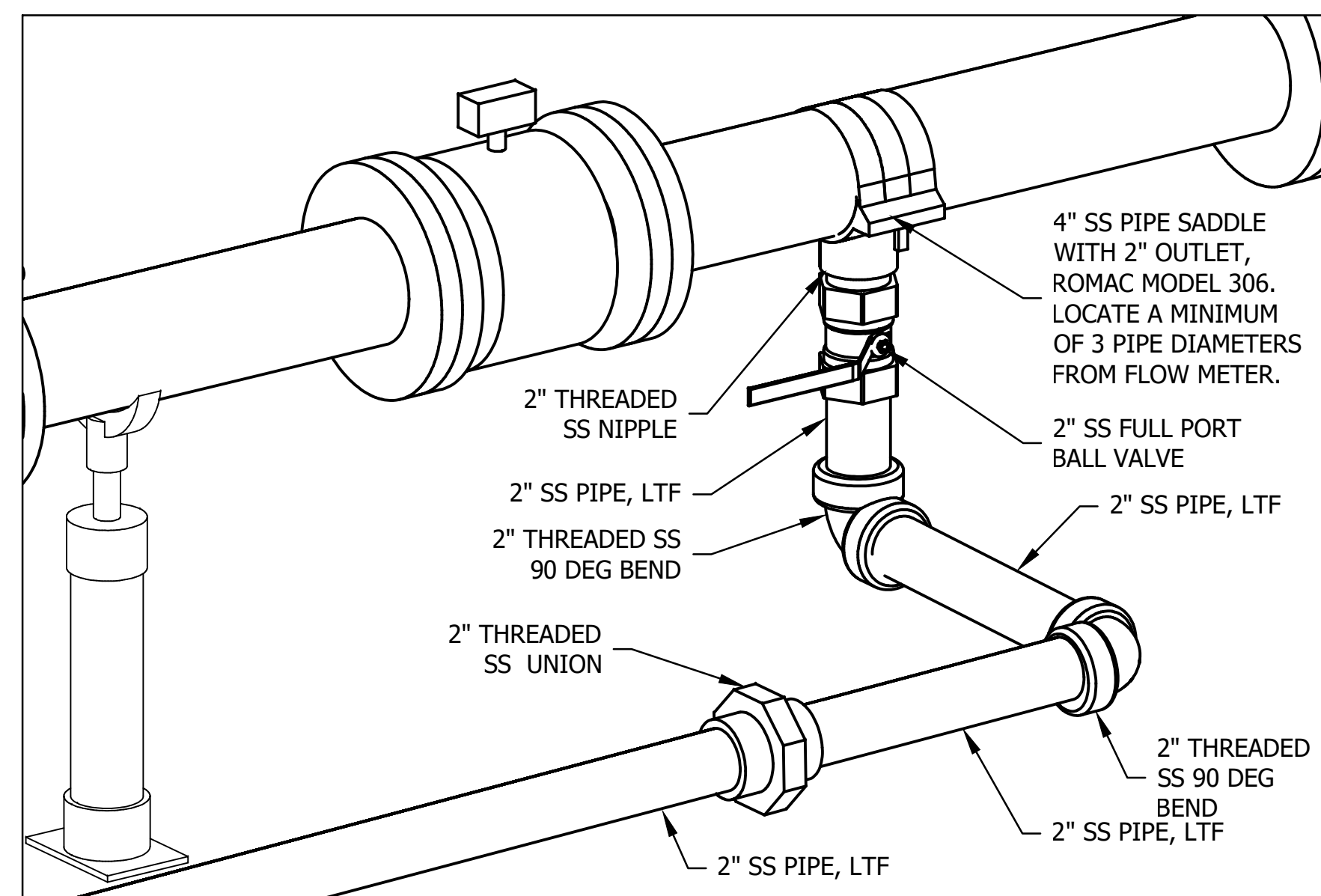
1  
TYP

NOT TO SCALE



**VALVE VAULT  
PIPING OBLIQUE**

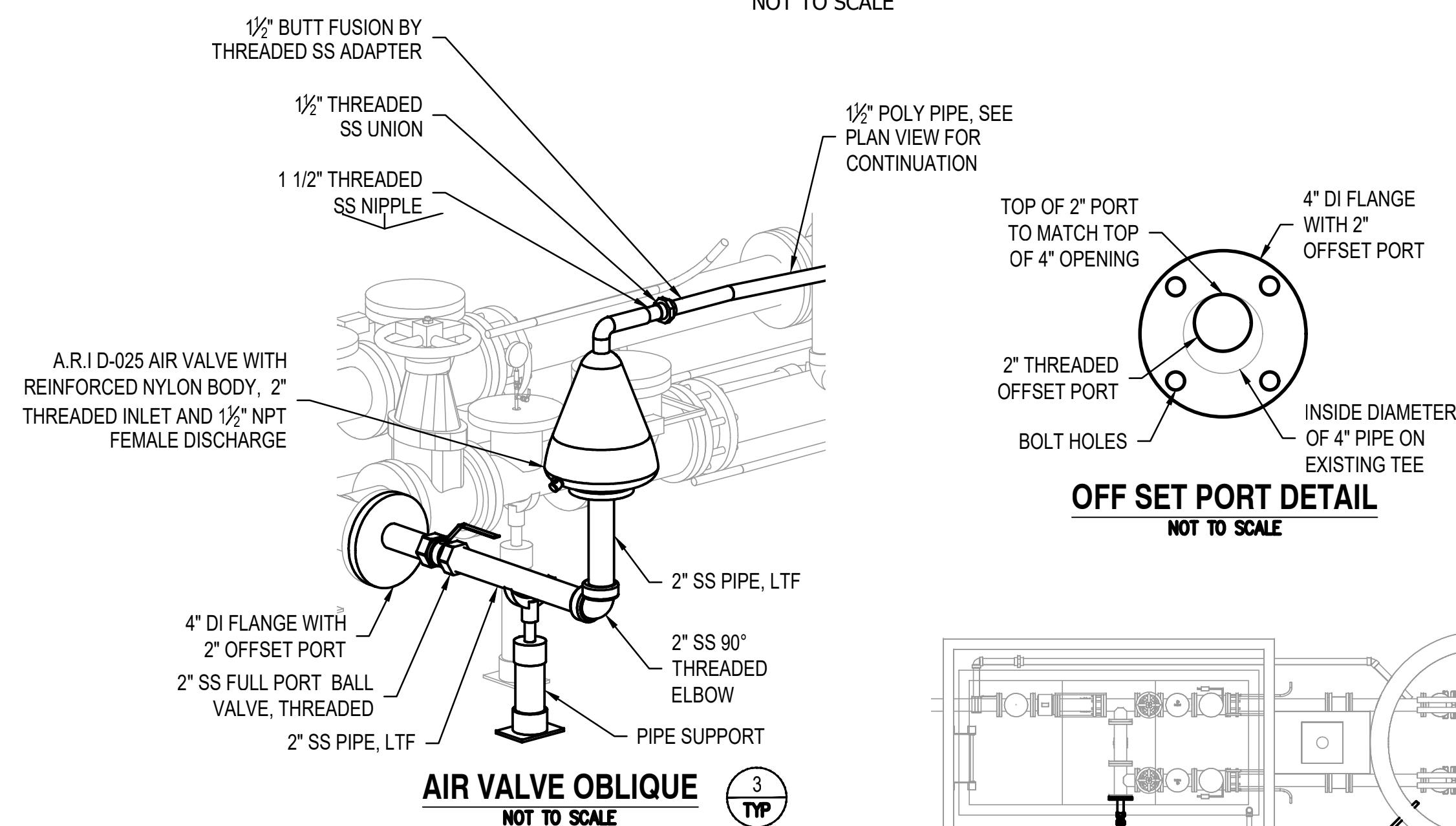
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**TYPICAL VALVE VAULT FORCEMAIN  
DRAIN OBLIQUE**

2  
TYP

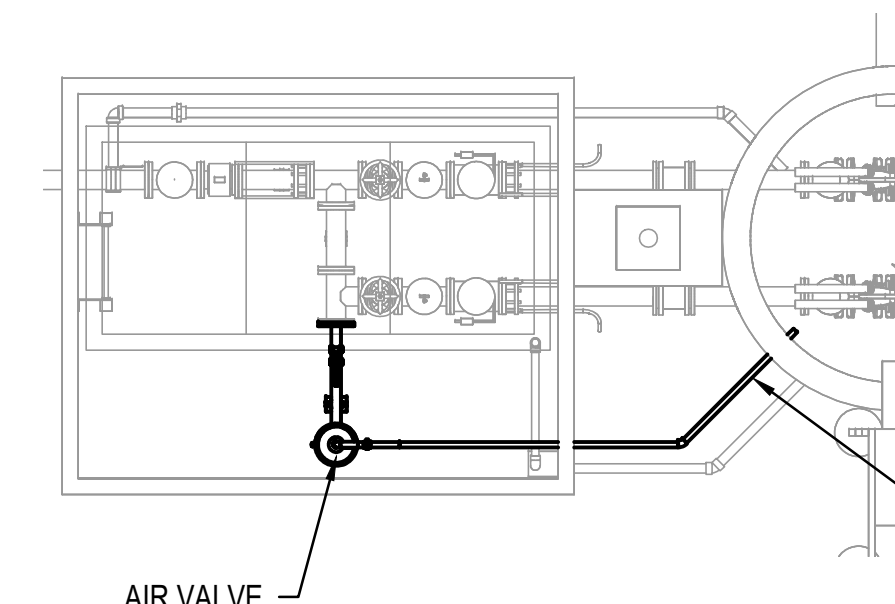
NOT TO SCALE



**AIR VALVE OBLIQUE**

3  
TYP

NOT TO SCALE



**AIR VALVE PLAN**

NOT TO SCALE

VENT DISCHARGE  
PIPING INTO WETWELL.  
SLOPE PIPE FROM AIR  
VALVE TO WETWELL

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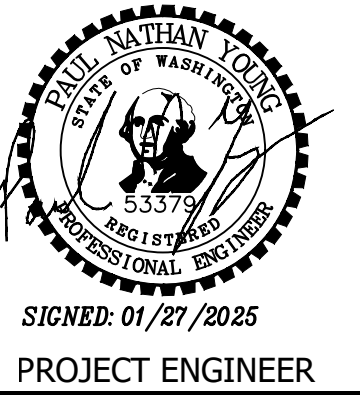
POTHoles  
STATE PARK

SEWER LIFT STATION  
REPLACEMENT

MECHANICAL DETAILS



ACTION	BY	DATE
DESIGNED	PNY	1/27/2025
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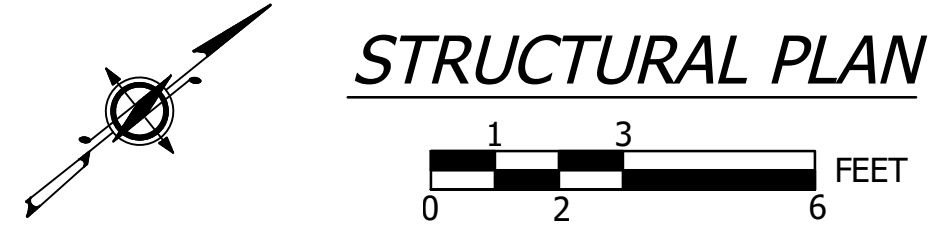
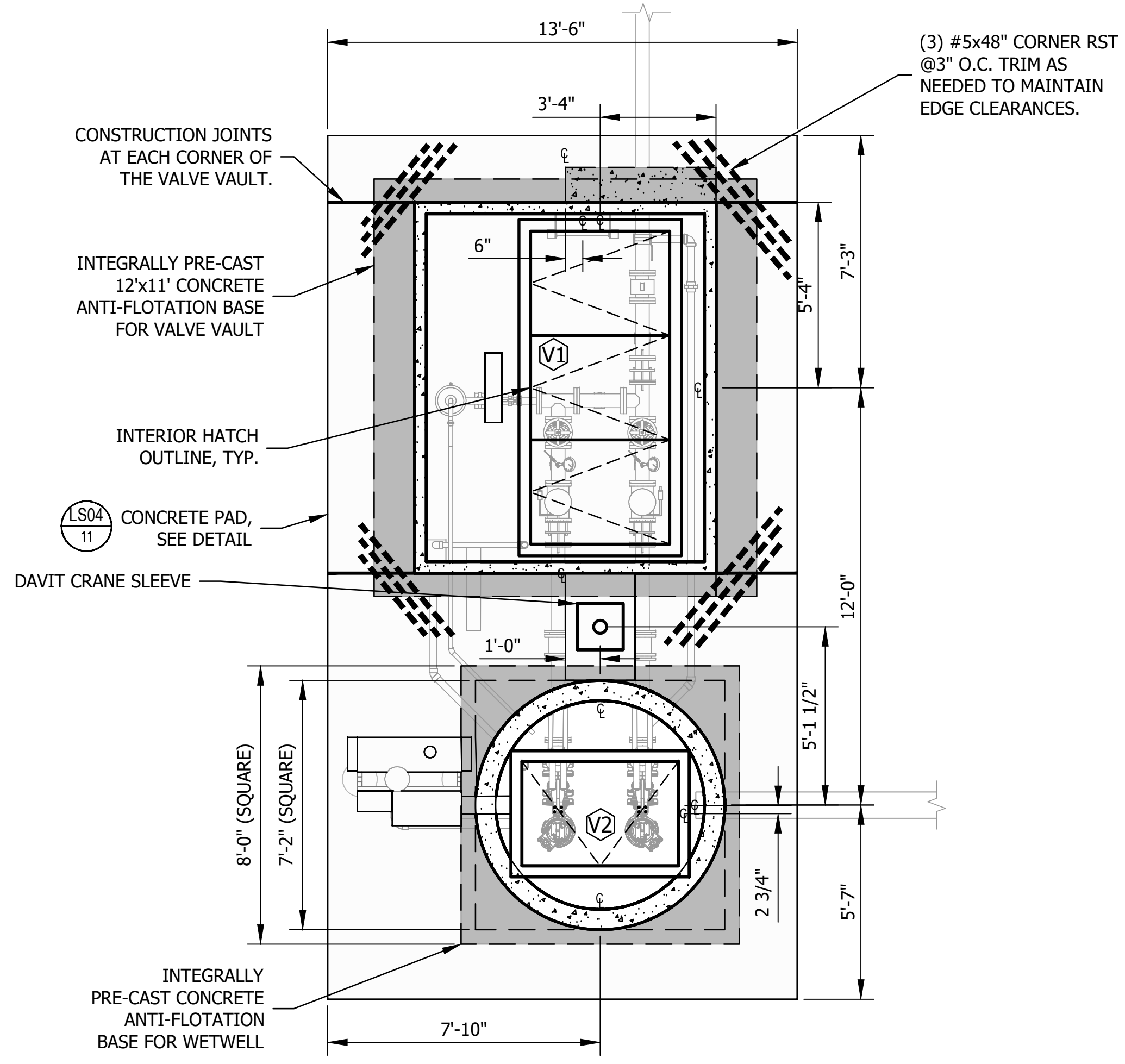


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POTHoles  
STATE PARK  
SEWER LIFT STATION  
REPLACEMENT

STRUCTURAL PLAN

ID NO.	MODEL	APPROX. INTERIOR DIMENSIONS (L X W X H)
V1	H2 PRE-CAST 810 VAULT OR APPROVED EQUAL	10'-0" X 8'-0", SEE ELEVATION VIEW FOR DEPTH
V2	H2 PRE-CAST 72" DIAMETER MANHOLE - TYPE 3 OR APPROVED EQUAL	72" DIAMETER, SEE ELEVATION VIEW FOR DEPTH

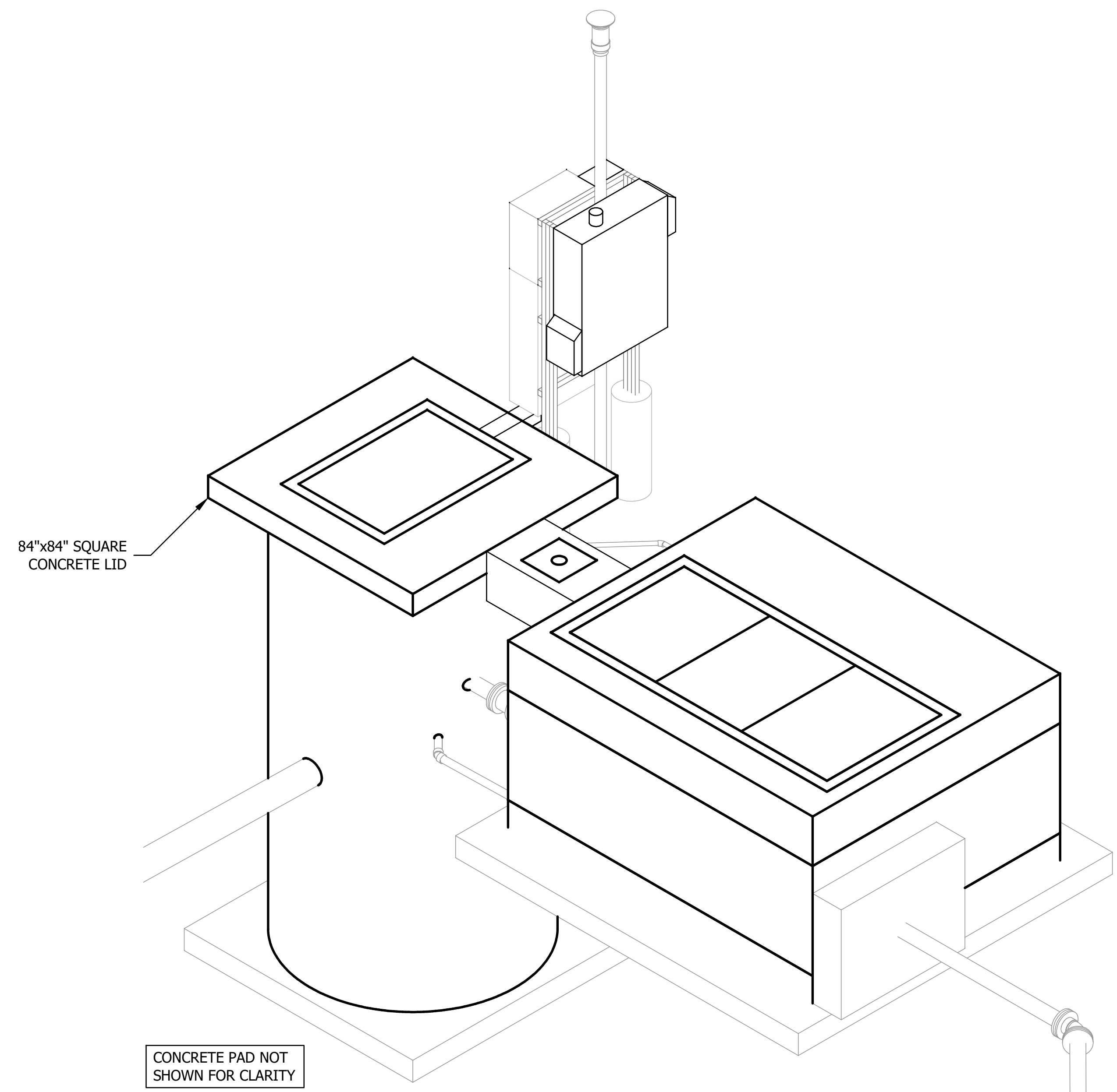
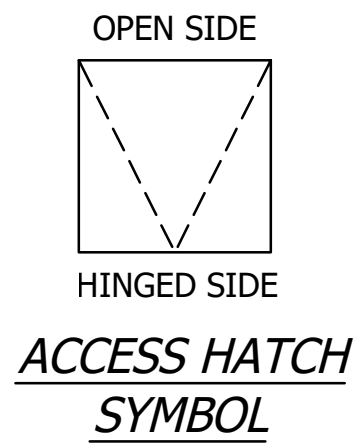


STRUCTURAL PLAN

ID NO.	CLEAR OPENING	NO. OF LEAVES	MATERIAL	RATING	MOUNTING	SAFETY GRATING	GASKET	INSULATION
V1	48" X 108"	3	ALUMINUM	300 LBS/SF	EMBEDDED	NO	STANDARD	YES
V2	54" X 36"	1	ALUMINUM	300 LBS/SF	EMBEDDED	YES	ODOR TIGHT	NO
V3	48" X 48"	2	ALUMINUM	H-20	EMBEDDED	NO	ODOR TIGHT	NO

HATCH NOTES

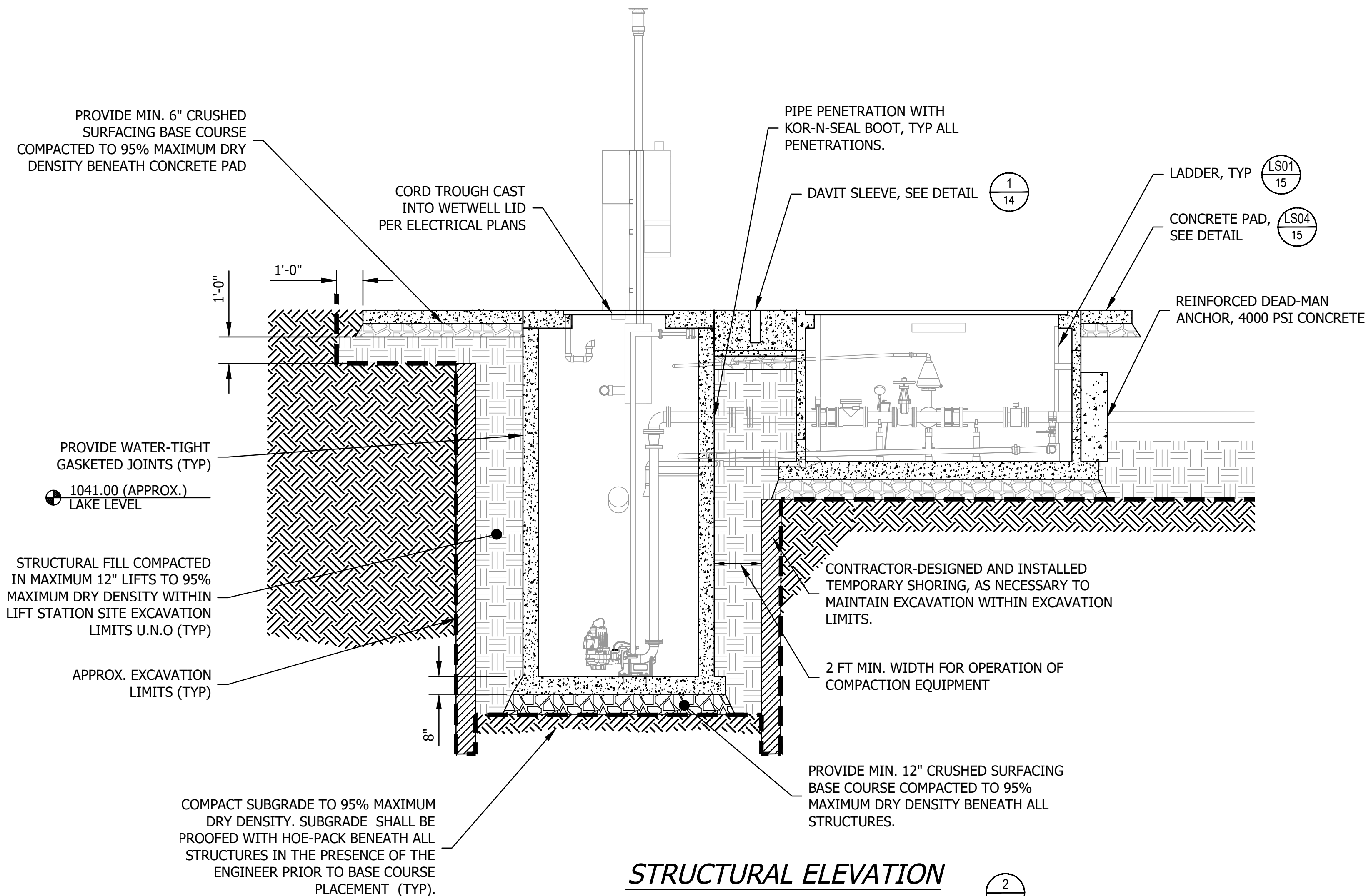
- SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- WETWELL HATCH FRAME TO BE MODIFIED FOR PUMP CABLE REMOVAL. DEBUR AND GRIND ALL CUT EDGES SMOOTH.



STRUCTURAL OBLIQUE

NOT TO SCALE



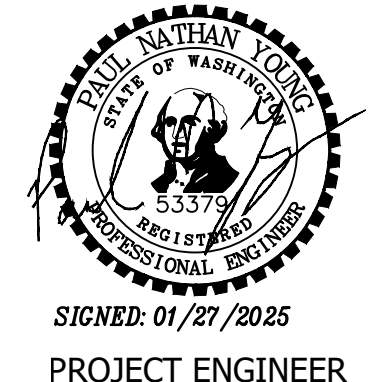


**STRUCTURAL ELEVATION**  
2  
TYP

**GENERAL NOTES**

1. ALL STRUCTURE RIMS SHALL BE SET 2" ABOVE EXISTING GRADE.
2. MAXIMUM DRY DENSITY OF FILL SHALL BE DETERMINED BY THE MODIFIED PROCTOR TEST (ASTM D 1557)
3. EXPOSED EXTERIOR ROOFS OF ALL PRECAST STRUCTURES SHALL BE COATED PER THE SPECIFICATIONS.
4. THE INTERIOR OF THE WETWELL SHALL BE COATED PER THE SPECIFICATIONS.
5. CONCRETE ANTI-FLOTATION BASES TO BE PRE-CAST AROUND WETWELL BASES. BOTTOM ELEVATION OF ANTI-FLOTATION BASES TO MATCH BOTTOM ELEVATION OF WETWELL BASES. PRECAST STRUCTURES TO BE PROVIDED WITH RISERS AS NECESSARY TO MATCH STRUCTURE CLEARANCE HEIGHTS SHOWN ON PLANS.
6. GROUNDWATER IS TO BE EXPECTED IN THE EXCAVATION. CONTROL WATER TO KEEP EXCAVATION DRY DURING INSTALLATION. SEE SPECIFICATIONS DIVISION 31.

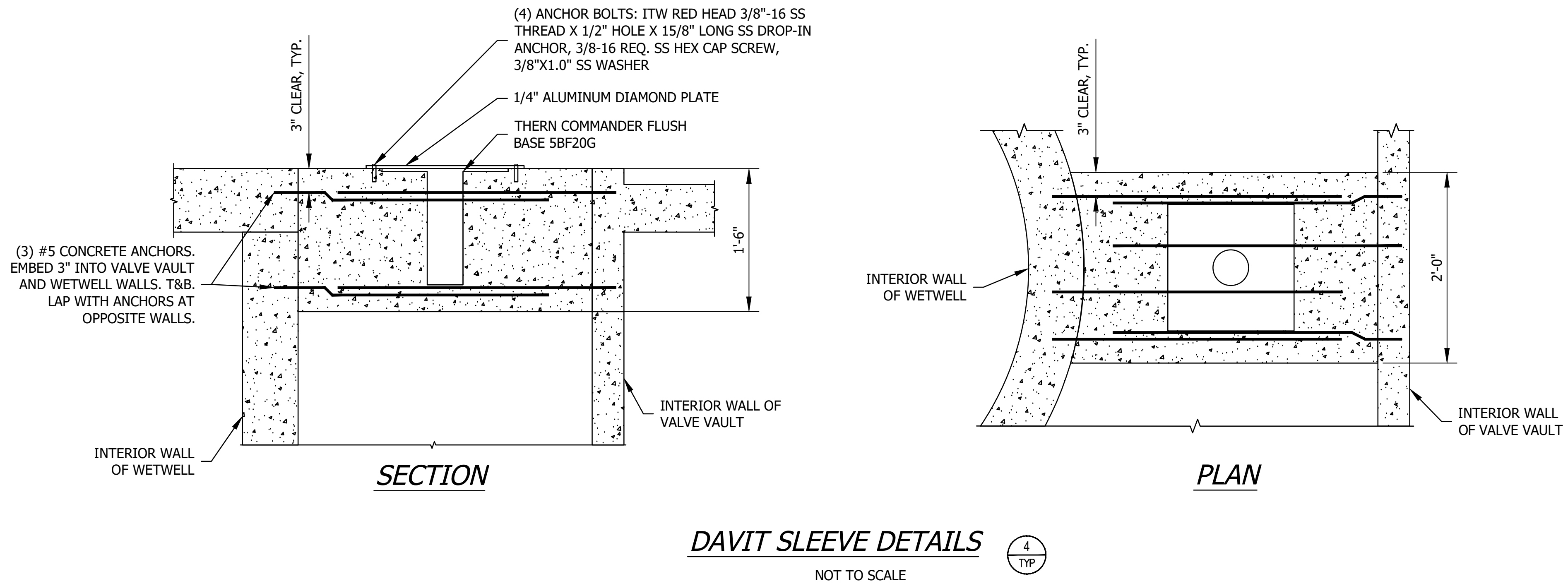
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POTHOLES  
STATE PARK  
SEWER LIFT STATION  
REPLACEMENT

STRUCTURAL  
ELEVATIONS AND PLAN



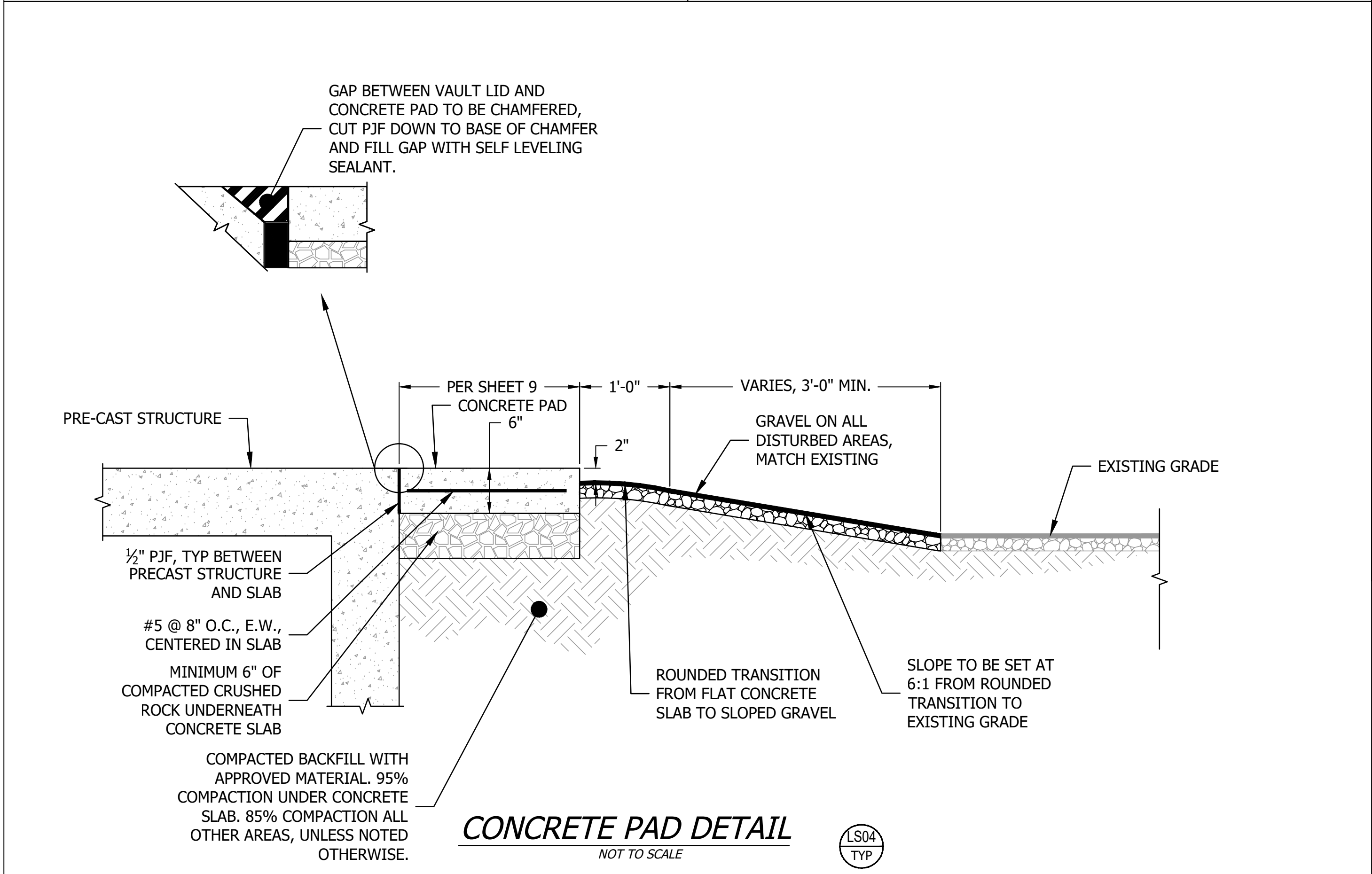
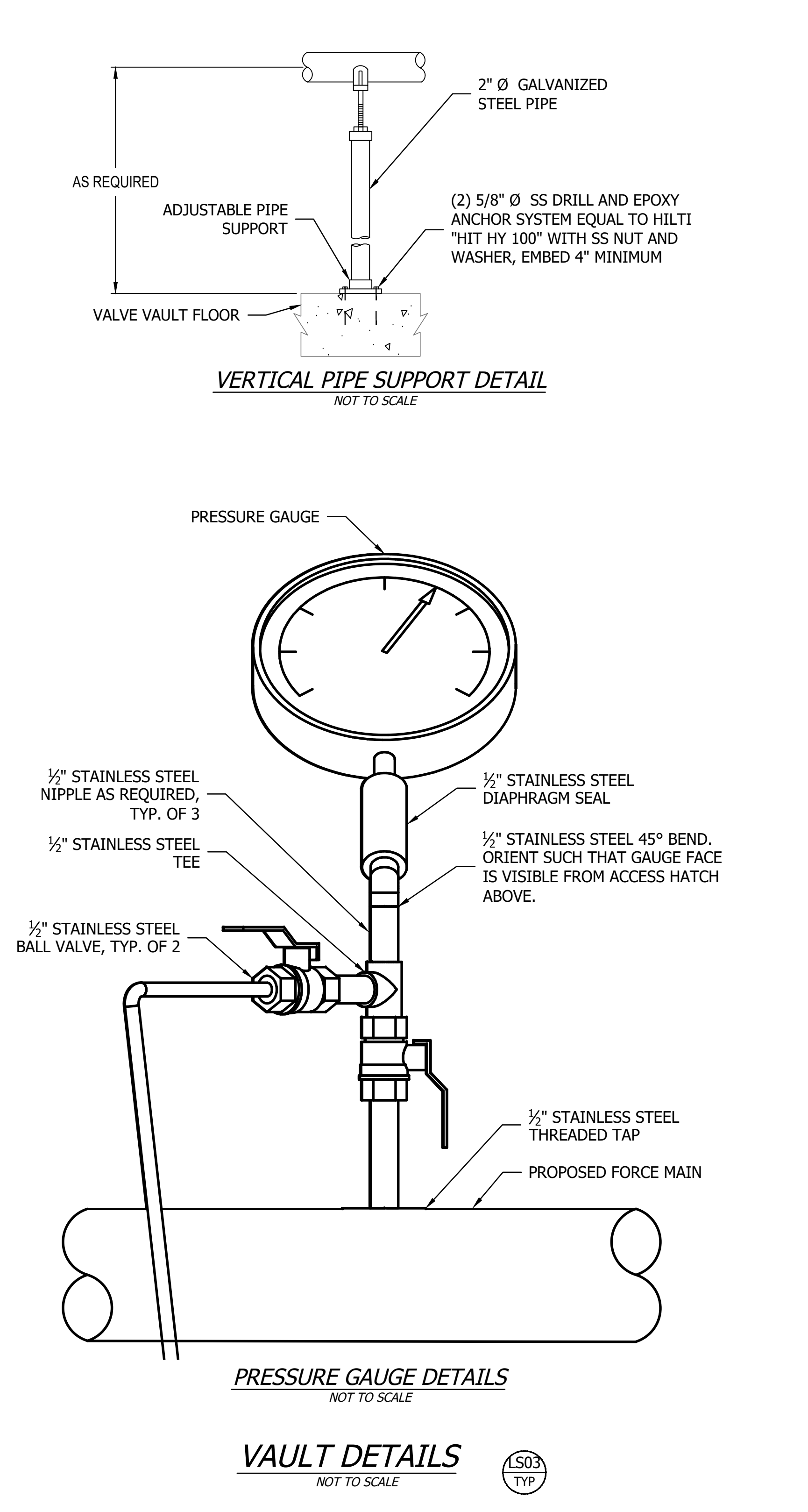
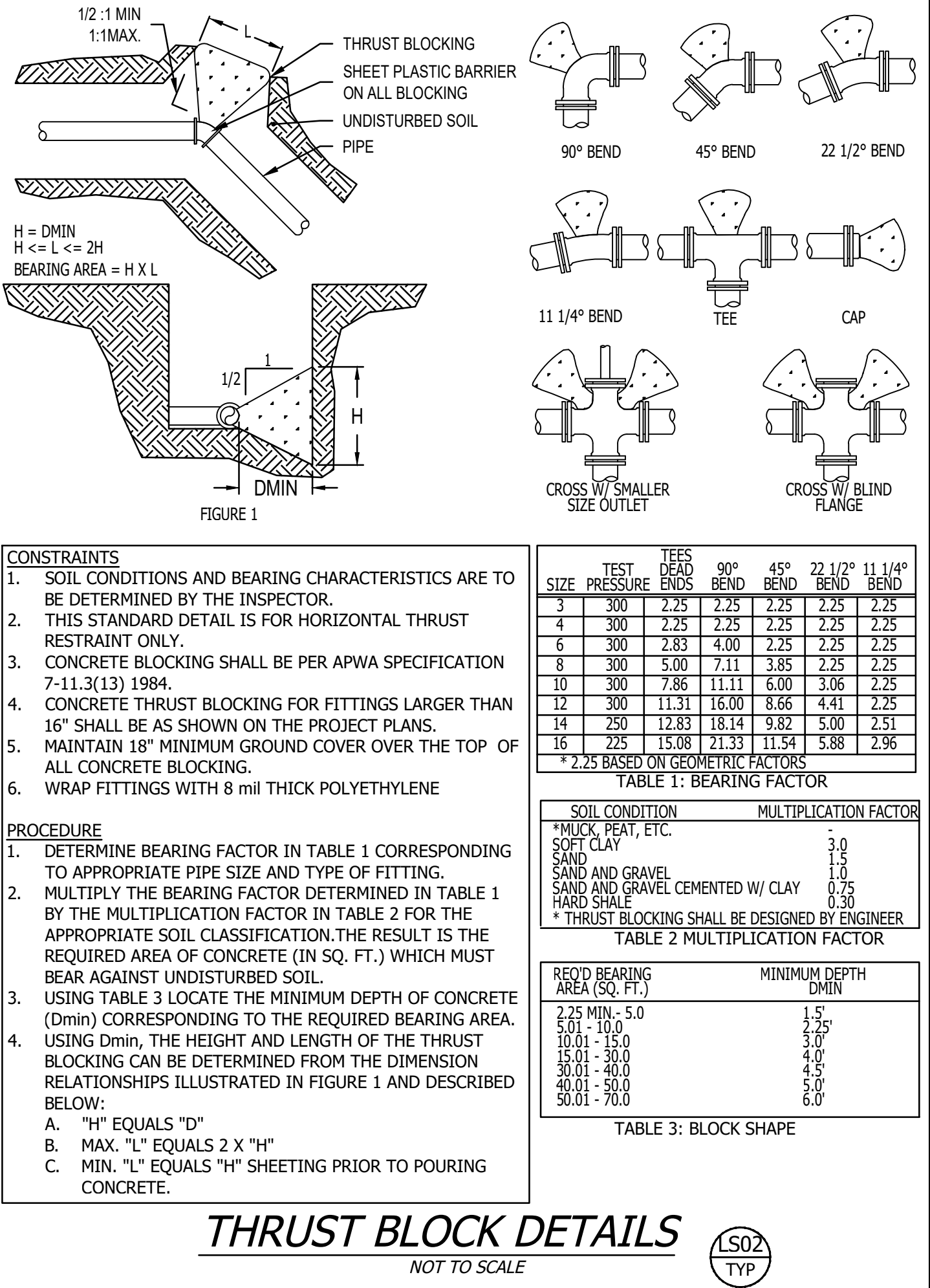
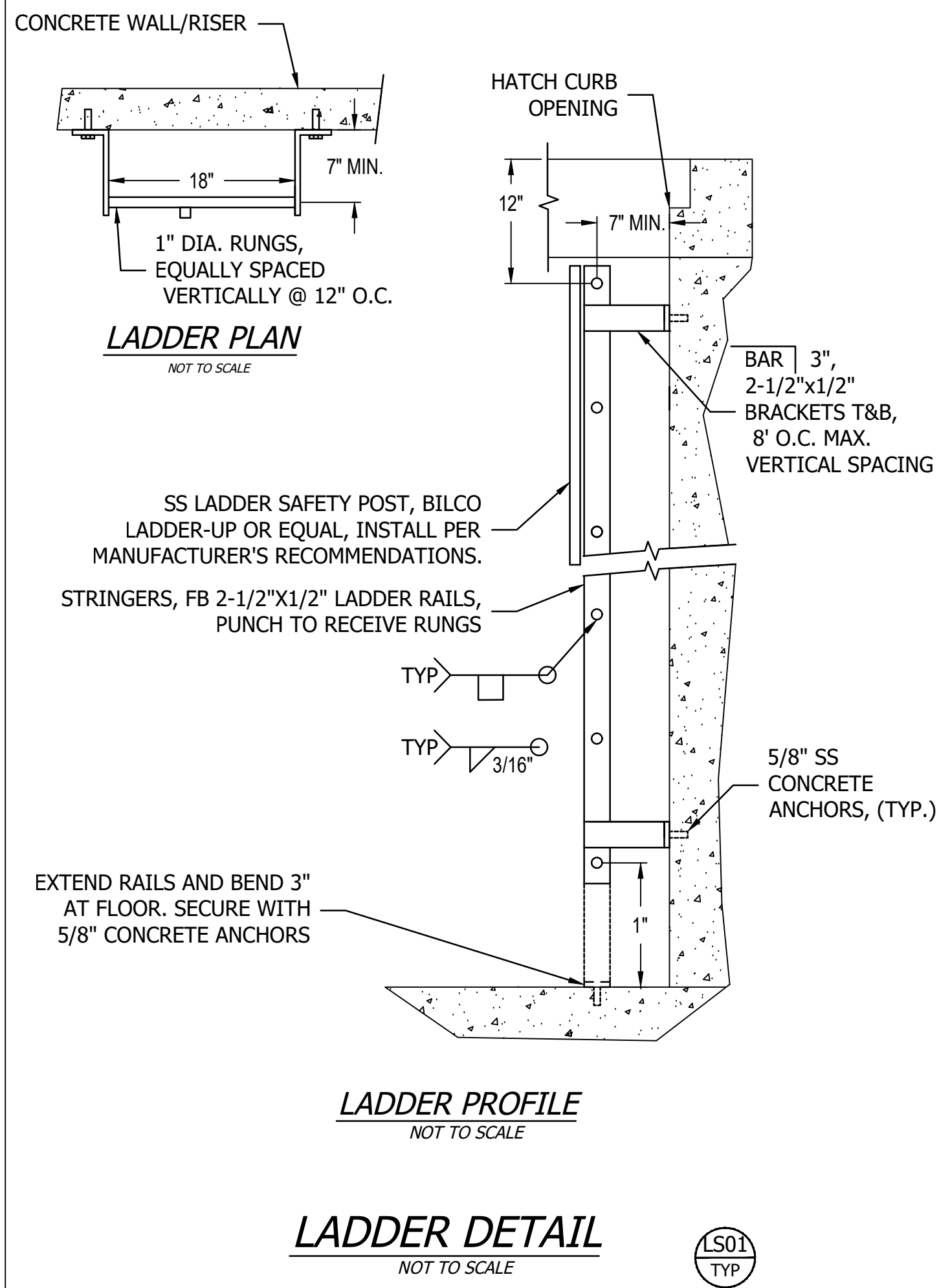
**DAVIT SLEEVE DETAILS**  
4  
TYP  
NOT TO SCALE

BAR SIZE	MINIMUM STRAIGHT DEVELOPMENT LENGTHS		MINIMUM LAP SPlice LENGTHS	MINIMUM EMBEDMENT LENGTHS
	TENSION BARS		TENSION BARS	END HOOKS
	TOP BARS	OTHER BARS	TOP BARS	ALL BARS
#3	19"	15"	25"	6"
#4	25"	19"	33"	7"
#5	31"	24"	41"	9"
#6	37"	29"	49"	10"
#7	54"	42"	71"	12"
#8	62"	48"	81"	14"
#9	70"	54"	91"	15"
#10	79"	61"	103"	17"

\*"TOP BARS" ARE HORIZONTAL BARS WITH MORE THAN 12" DEPTH OF CONCRETE CAST BELOW THEM.  
IF CLEAR CONCRETE COVER IS LESS THAN 2x THE DIAMETER OF THE BAR OR THE CENTER-TO-CENTER SPACING IS LESS THAN (4) BAR DIAMETERS, THEN VALUES SHALL BE INCREASED BY 43%.

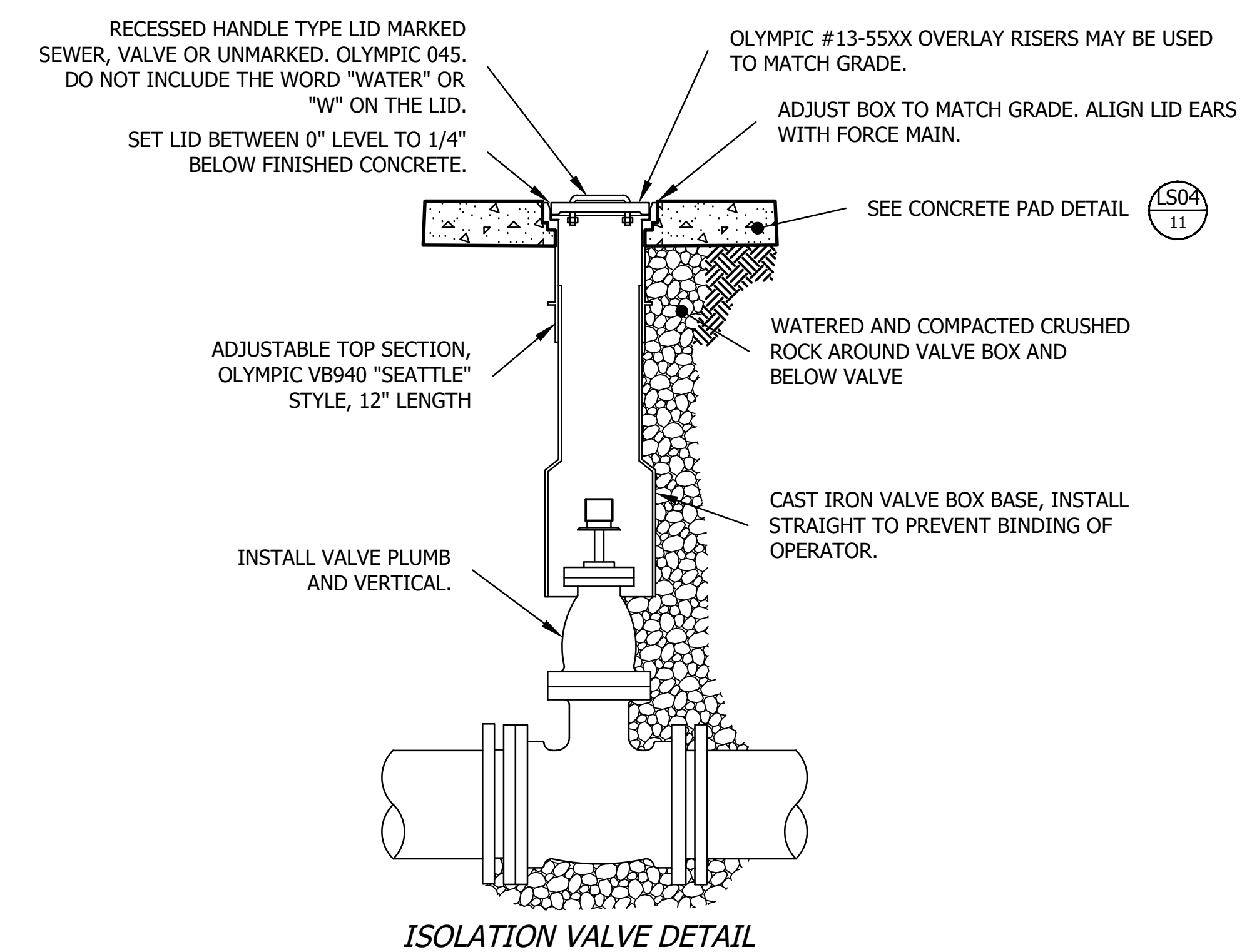
**REINFORCEMENT SPLICE AND DEVELOPMENT LENGTH SCHEDULE**





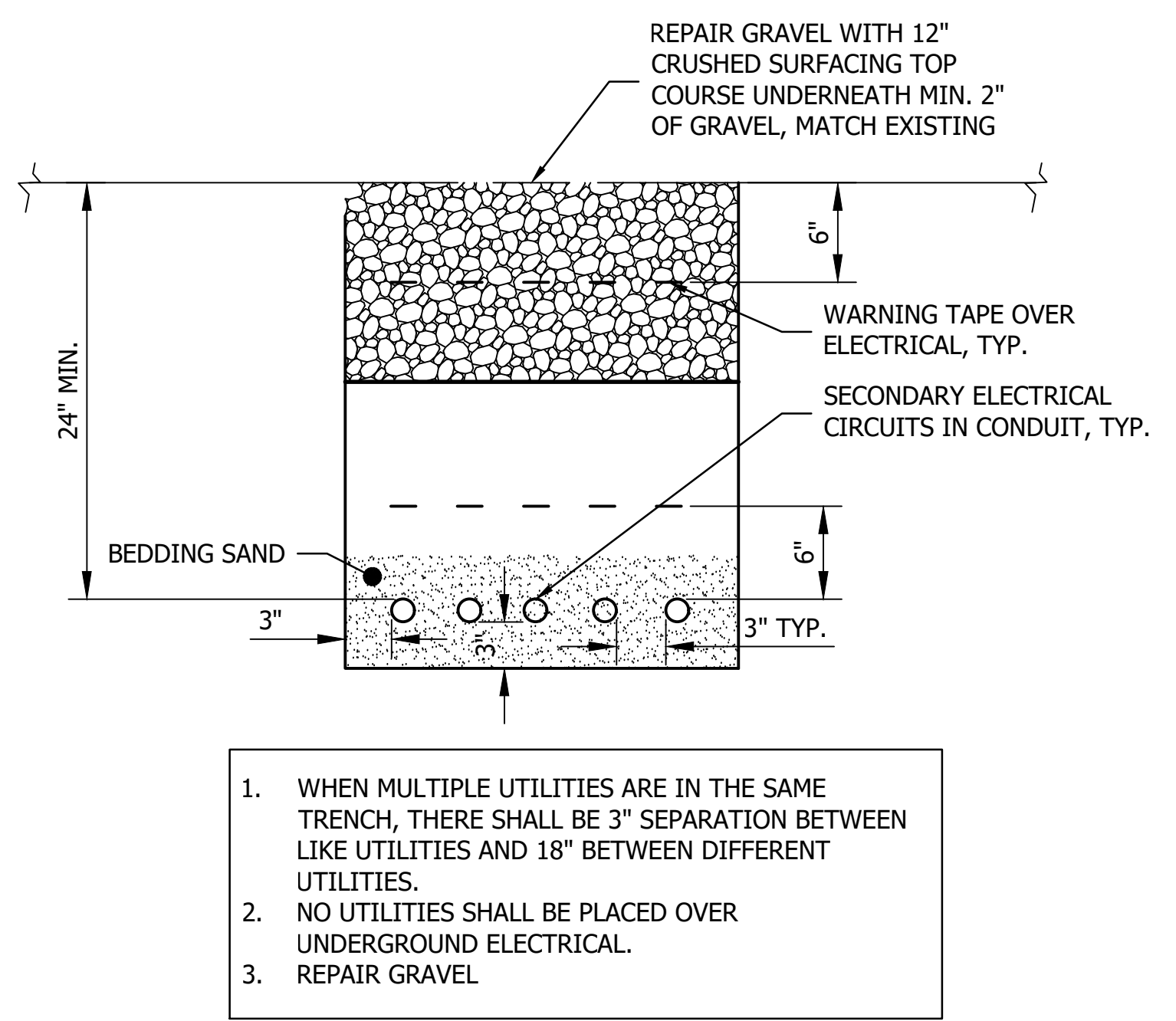
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ACTION	BY	DATE
DESIGNED	PNY	1/27/2025
DRAWN	JTR	1/27/2025
CHECKED (FIELD)		
CHECKED (HDQTS.)		
<p>SIGNED: 01/27/2025 PROJECT ENGINEER</p>		
<p>WASHINGTON STATE PARKS AND RECREATION COMMISSION</p>		
<p>POTHoles STATE PARK</p>		
<p>SEWER LIFT STATION REPLACEMENT</p>		
<p>LIFT STATION DETAILS 1</p>		
<p>SHEET 11 OF 20</p>		





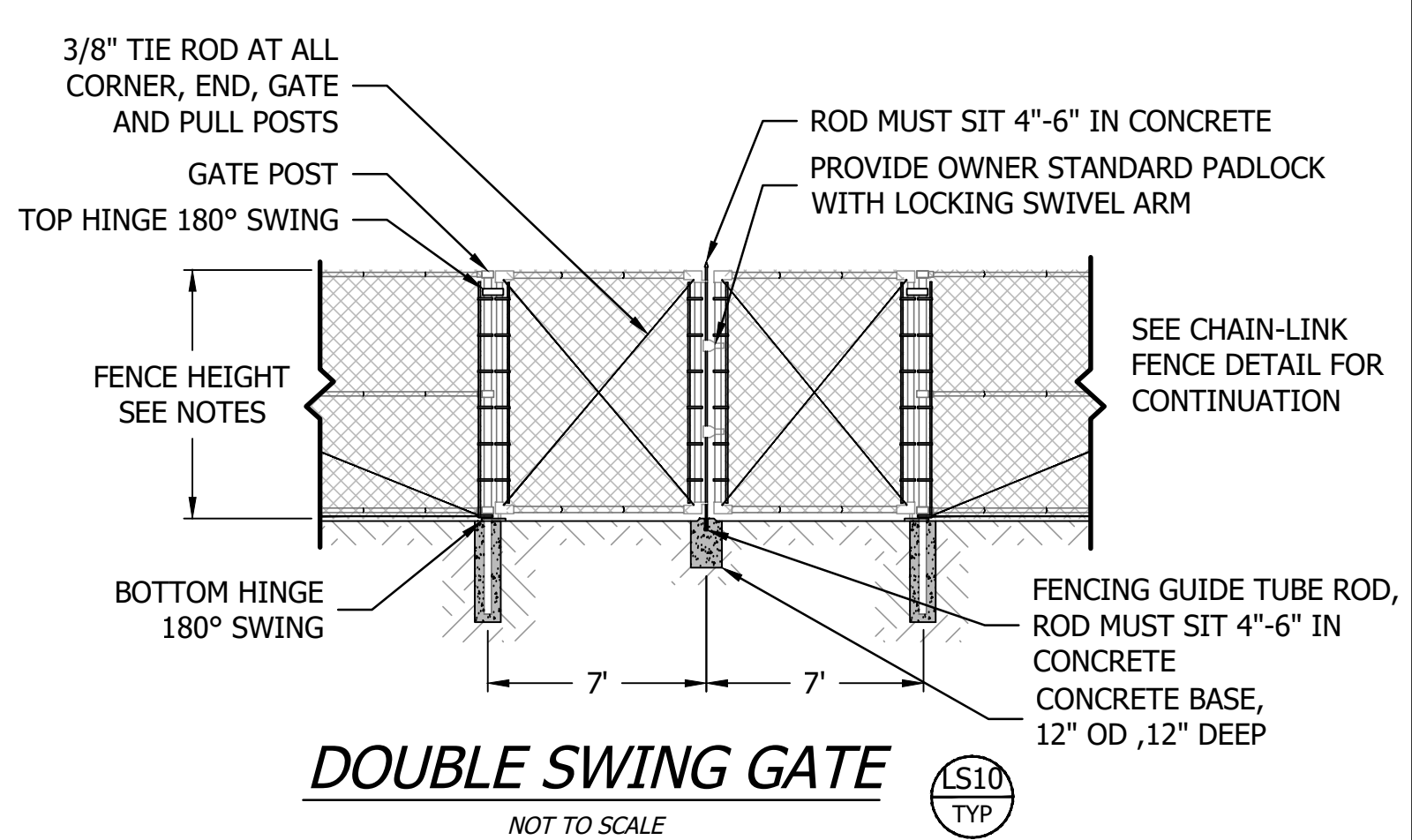
1. ISOLATION VALVES 2" AND LARGER ARE TO BE NRS RESILIENT SEAT GATE VALVES MEETING AWWA C509 OR C515.
2. BACKFILL AROUND VALVE BOXES SHALL BE COMPACTED USING A JUMPING JACK.
3. OLYMPIC FOUNDRY MODEL NUMBERS SHOWN. OWNER APPROVED EQUALS WILL BE ALLOWED.
4. ALL VALVES SHALL BE SUPPLIED WITH VALVE BOX AND LID. LID SHALL HAVE RECESSED HANDLE. VALVE BOX RISER EARS TO BE INSTALLED WITH THE EARS PARALLEL TO THE DIRECTION OF FLOW.

**ISOLATION VALVE INSTALLATION DETAIL**  
NOT TO SCALE (LS07 TYP)

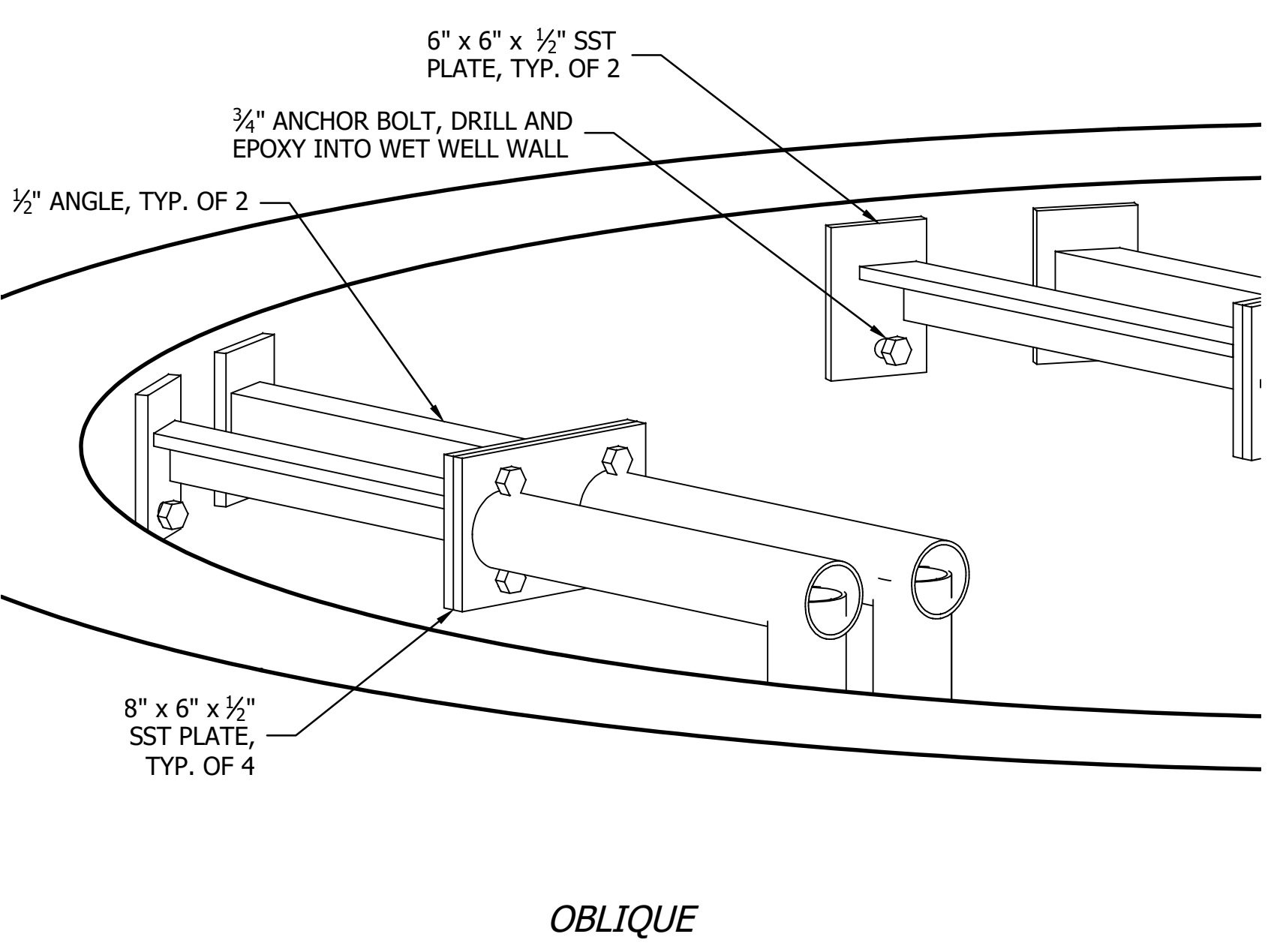
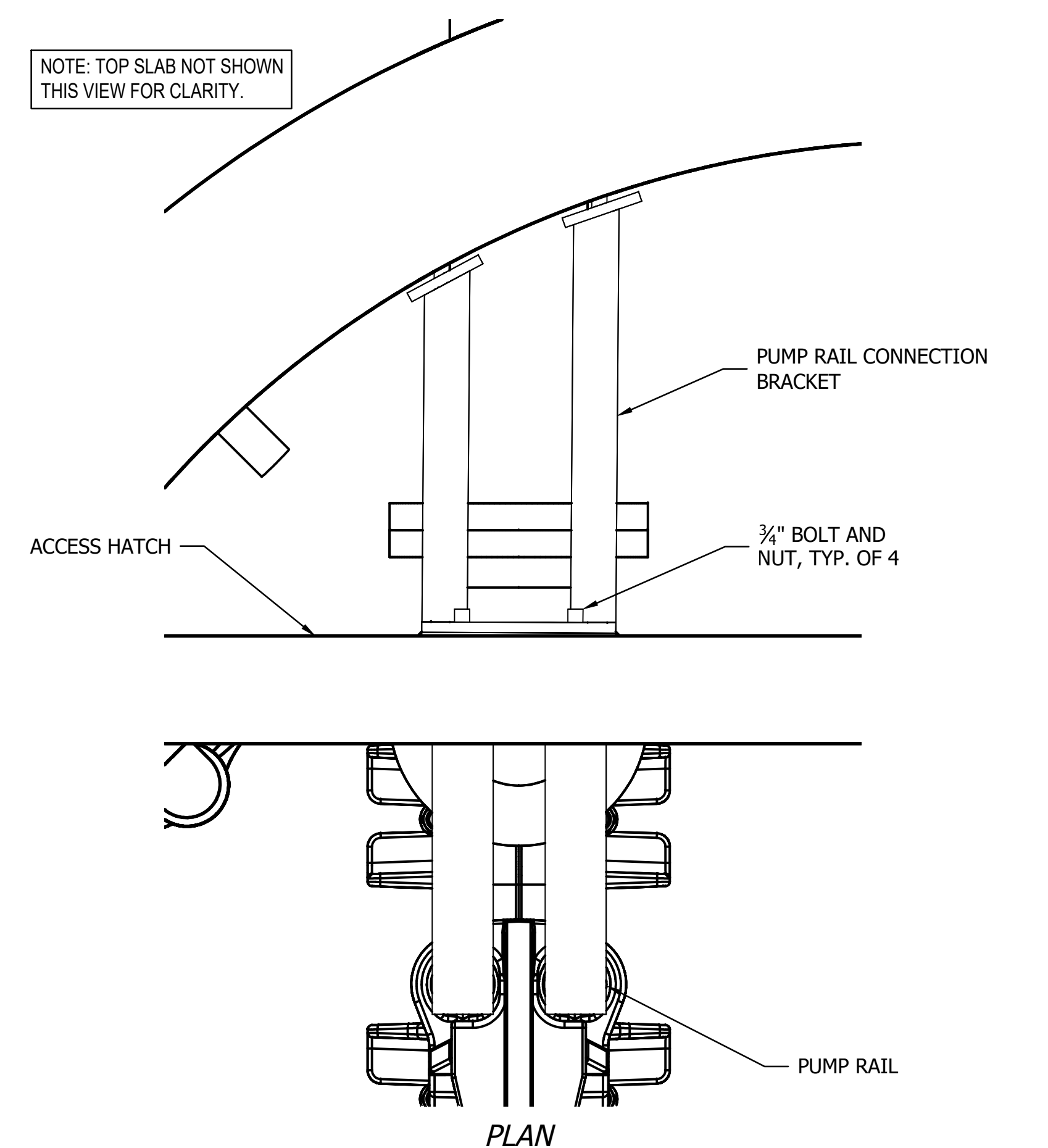


1. WHEN MULTIPLE UTILITIES ARE IN THE SAME TRENCH, THERE SHALL BE 3" SEPARATION BETWEEN LIKE UTILITIES AND 18" BETWEEN DIFFERENT UTILITIES.
2. NO UTILITIES SHALL BE PLACED OVER UNDERGROUND ELECTRICAL.
3. REPAIR GRAVEL

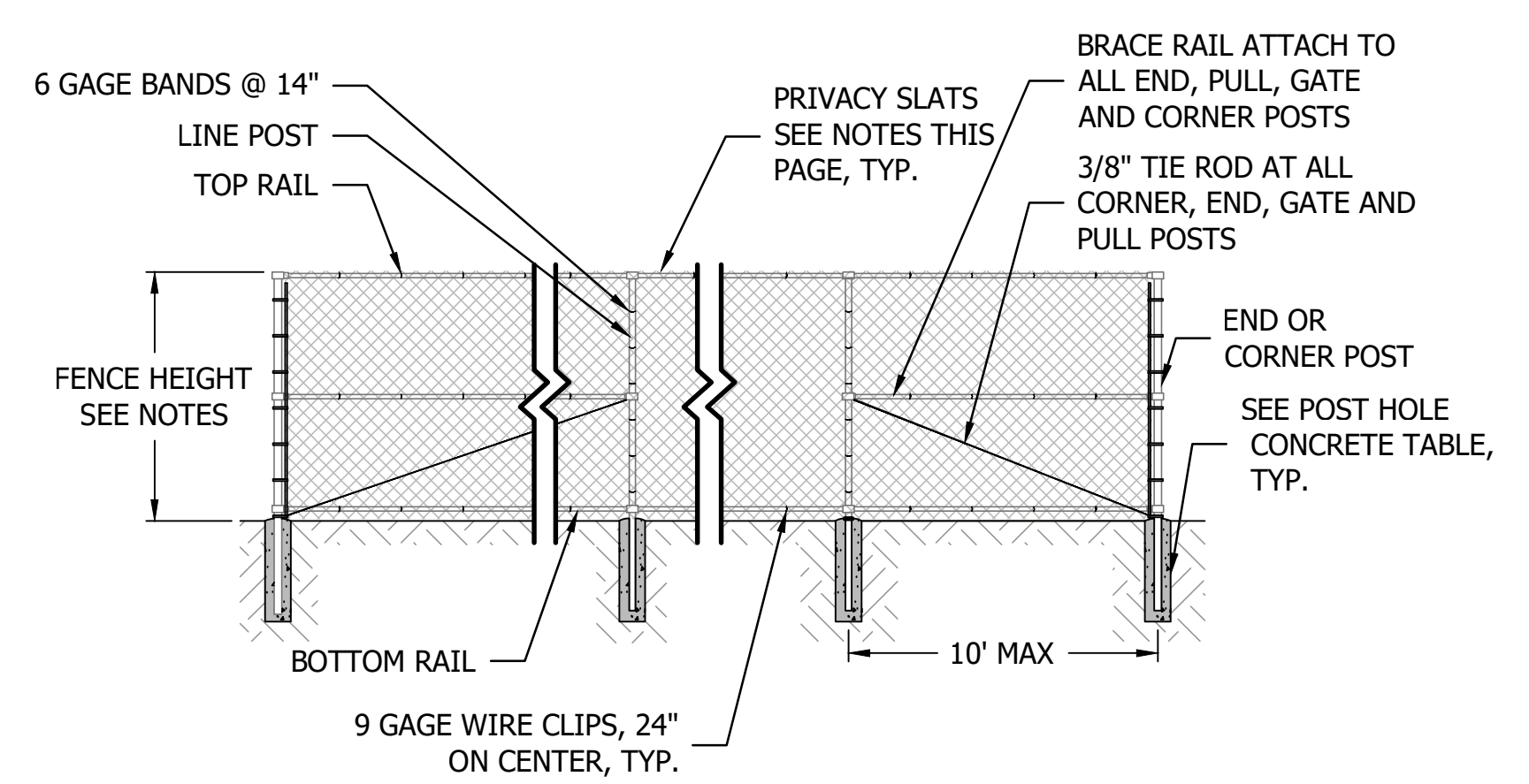
**ELECTRICAL TRENCH DETAIL**  
NOT TO SCALE (LS08 TYP)



**DOUBLE SWING GATE**  
NOT TO SCALE (LS10 TYP)



**PUMP RAIL CONNECTION DETAIL**  
NOT TO SCALE (LS11 TYP)



**CHAIN-LINK FENCE**  
NOT TO SCALE (LS09 TYP)

POST HOLE CONCRETE*		
	GATE AND END POST	LINE POSTS
MIN. DEPTH	60"	60"
MIN. DIAMETER	24"	24"
MIN. POST EMBEDMENT	54"	54"

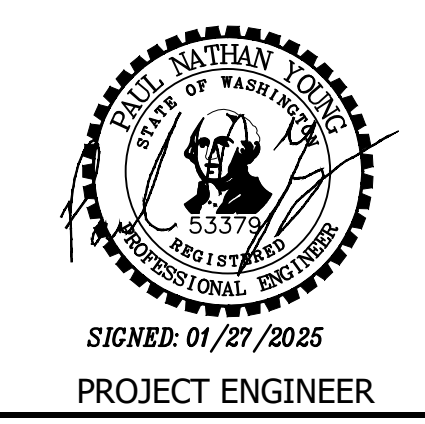
\*FOOTINGS SIZED TO RESTRAIN PRIVACY SLAT FENCE

POST AND RAIL SCHEDULE		
END, PULL, GATE, CORNER POSTS	LINE POSTS	TOP, MID AND BOTTOM RAIL
4" OD	2.875" OD	1.66" OD

- NOTES:
1. NOTE: MINIMUM DEPTHS BASED ON IBC GRAVEL(GW) OR SANDY GRAVEL(GP) SOIL TYPES PER IBC TABLE 1804.2.
  2. CONCRETE FOR ALL FOOTINGS SHALL BE 4000 PSI CONCRETE.
  3. ALL CHAIN LINK FENCE SHALL BE VINYL COATED.
  4. PROVIDE VERTICAL PRIVACY SLATS WITH VERTICAL LOCKING FEATURE, NEUTRAL COLOR.
  5. FENCE HEIGHT TO BE 6'.

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WASHINGTON STATE PARKS AND RECREATION COMMISSION

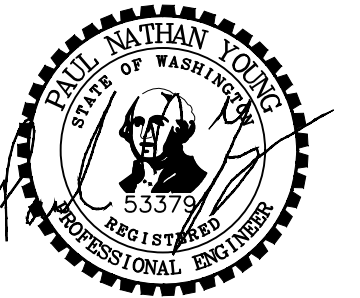
POTHoles STATE PARK  
SEWER LIFT STATION REPLACEMENT

LIFT STATION DETAILS 2



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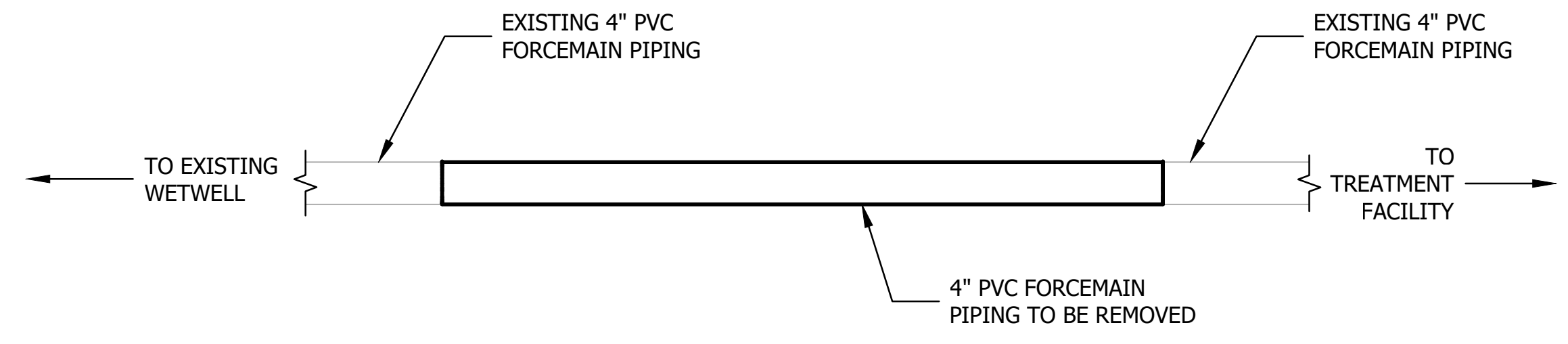
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PROJECT ENGINEER

WASHINGTON STATE PARKS AND RECREATION COMMISSION

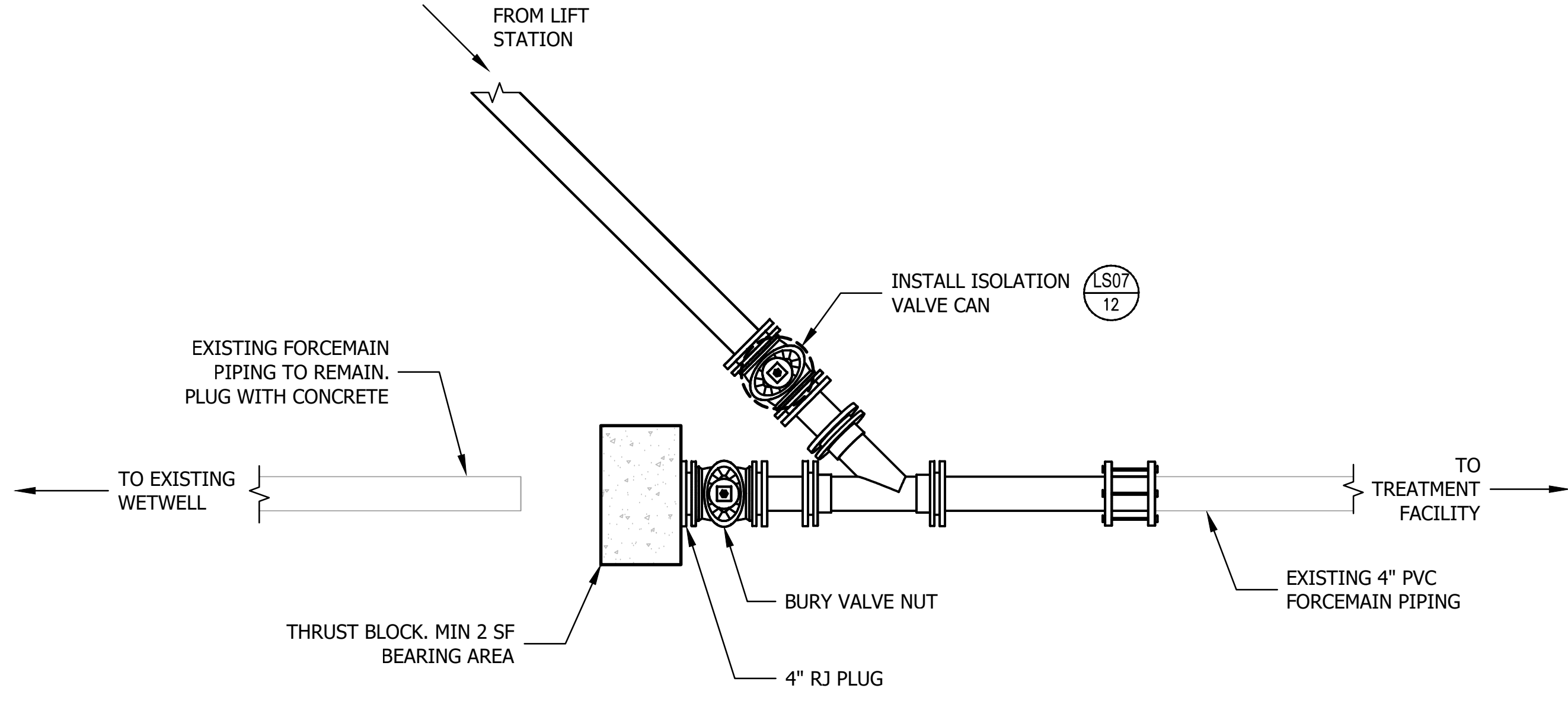


POTHoles STATE PARK  
SEWER LIFT STATION REPLACEMENT

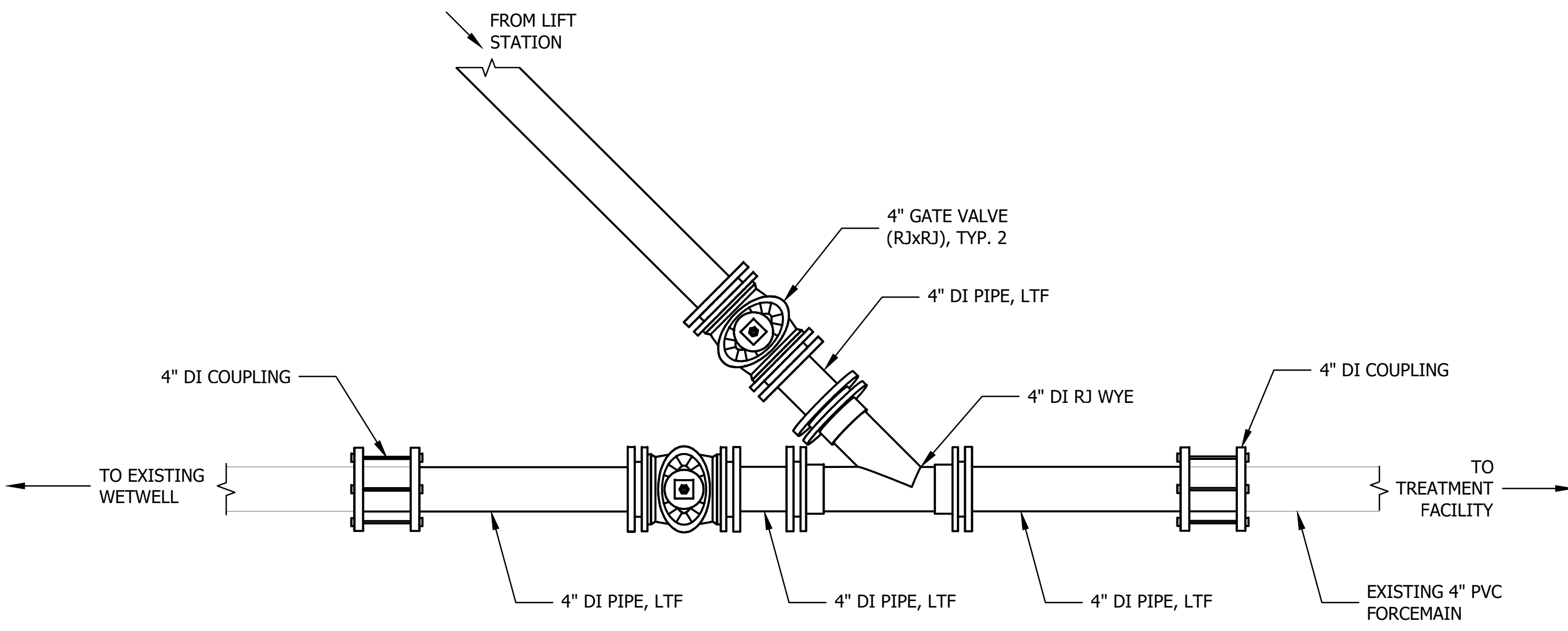
FORCEMAIN CONNECTION DETAIL



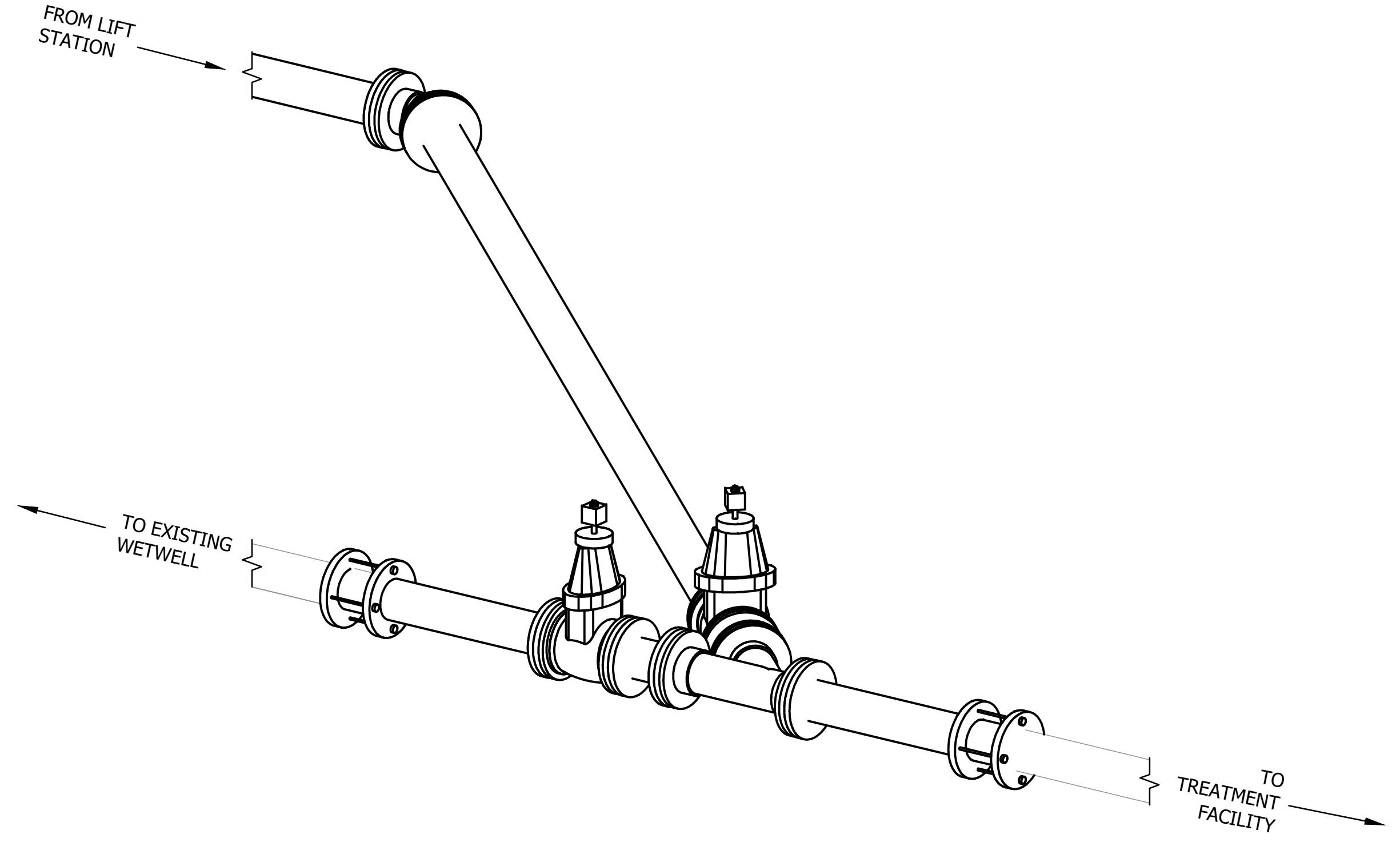
**EXISTING CONFIGURATION**  
NOT TO SCALE



**FINAL CONFIGURATION**  
NOT TO SCALE



**TESTING CONFIGURATION**  
NOT TO SCALE



**CONNECTION DETAIL OBLIQUE**  
NOT TO SCALE

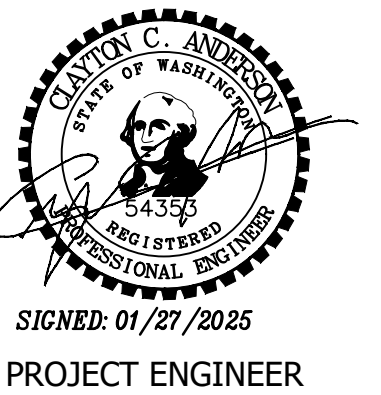
**GENERAL NOTES**

1. LOCATION OF EXISTING PIPE IS UNKNOWN. CONTRACTOR TO PROVIDE ANY ADDITIONAL FITTINGS OR THRUST BLOCKING NOT SHOWN IN THESE DETAILS THAT IS REQUIRED TO MAKE THE FINAL CONNECTION TO EXISTING PIPE. CONFIRM LAYOUT WITH OWNER PRIOR TO ORDERING FITTINGS.
2. MATERIALS OF EXISTING FORCEMAIN SHOWN ON THIS PLAN ARE FROM PRIOR RECORDS AND NOT GUARANTEED TO BE ACCURATE. POT HOLE AND CONFIRM PRIOR TO ORDERING FITTINGS.
3. CONNECTION TO EXISTING FORCEMAIN SHALL OCCUR SIMULTANEOUSLY WITH THE FILLING OF THE EXISTING WETWELL WITH CONCRETE. CLOSE VALVE AT SEWER LAGOON, APPROX. 4000 LF FROM EXISTING LIFT STATION. THE ENTIRE FORCEMAIN (APPROX. 3000 GALLONS) SHALL BE DRAINED BACK TO THE WETWELL. SEWAGE SHALL BE REMOVED AND PROPERLY DISPOSED OF BEFORE ANY WORK MAY BE PERFORMED.

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	BY	DATE
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	CLC	1/27/2025

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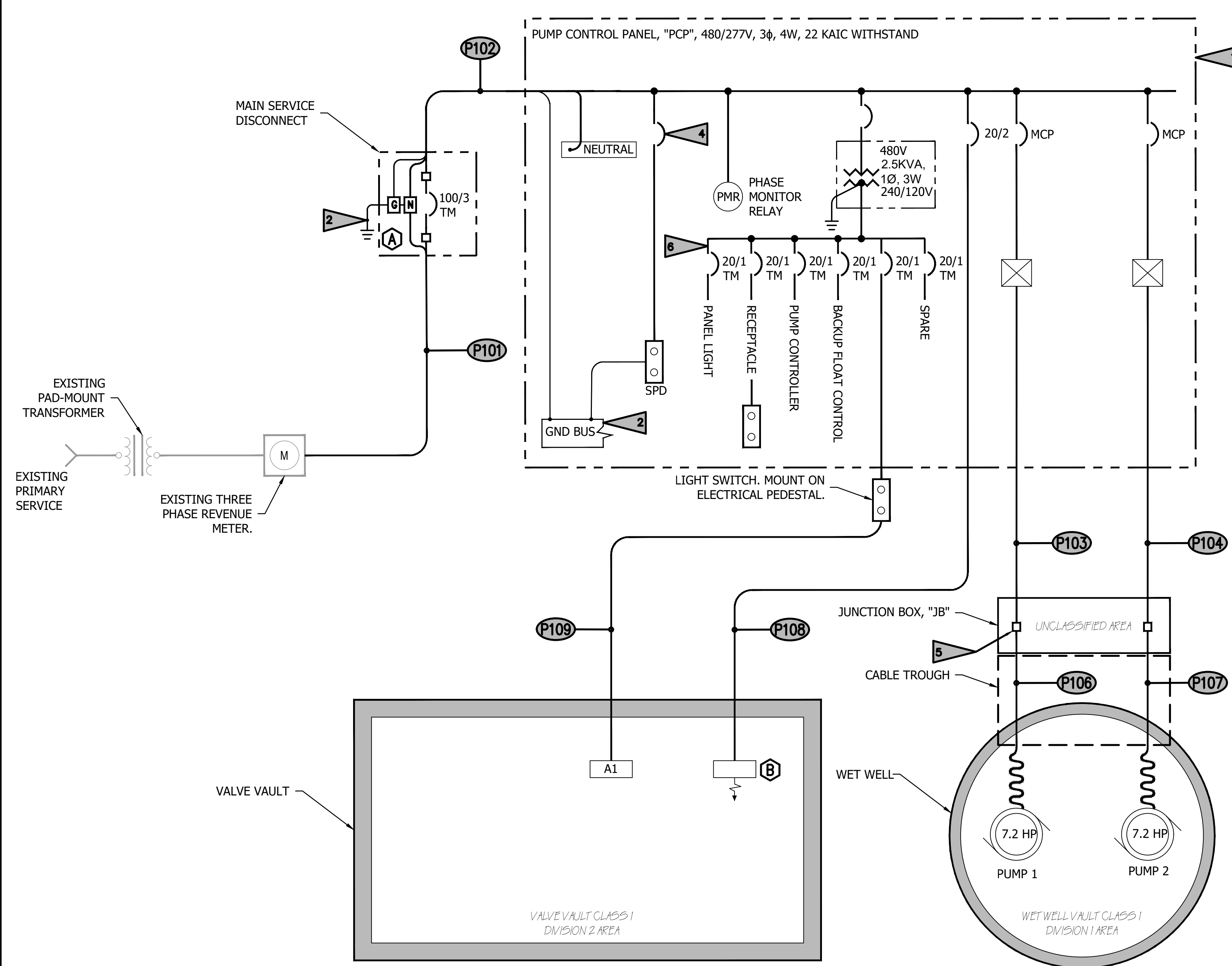
RECREATION  
 COMMISSION

POTHoles  
 STATE PARK  
 SEWER LIFT STATION  
 REPLACEMENT

ELECTRICAL LEGEND



ONE-LINE DIAGRAM SYMBOLS	PANELBOARDS, SWITCHES, AND EQUIPMENT	LIGHTING FIXTURES/DEVICES	ABBREVIATIONS	LADDER LOGIC SYMBOL LEGEND	
CIRCUIT BREAKER XXX/YY - CB SIZE & NO. OF POLES ET - ELECTRONIC TRIP TM - THERMAL MAGNETIC BREAKER MCP - MOTOR CIRCUIT PROTECTOR SE - SERVICE ENTRANCE GFI - GROUND FAULT INTERRUPTER FUSE FUSED DISCONNECT SWITCH PLUG-IN CONNECTION RTM RUN TIME METER OC MOTOR OPERATION COUNTER SSRVS SSRVS - SOLID STATE REDUCED VOLTAGE STARTER VARIABLE FREQUENCY DRIVE MOTOR STARTER MOTOR STARTER W/ OPERATOR DEVICES A - HAND-OFF-AUTO B - OPERATIONAL COUNTER C - RUN TIME METER D - RUN LIGHT E - FAIL LIGHT F - EMERGENCY STOP K KIRK KEY INTERLOCK POWER TRANSFORMER CONTROL POWER TRANSFORMER TRANSFORMER CURRENT TRANSFORMER VOLTAGE TRANSFORMER CONTACTOR CAPACITOR ENGINE GENERATOR GENERATOR CONNECTION RECEPTACLE SOLID NEUTRAL TB TERMINAL BLOCK SURGE PROTECTION DEVICE SPD SURGE PROTECTION DEVICE (ALTERNATIVE)	SERVICE ENTRANCE, SWITCHGEAR, MOTOR CONTROL CENTER, OR PANELBOARD SURFACE MOUNTED PANELBOARD FLUSHED MOUNTED PANELBOARD NXX FIELD CONTROL STATION WITH NEMA REQUIREMENTS. N1 - NEMA 1 N3R - NEMA 3R N4 - NEMA 4 N4SS - NEMA 4 STAINLESS STEEL N4F - NEMA 4 FIBERGLASS N6 - NEMA 6 N12 - NEMA 12 GASKETED EQUIPMENT MOUNTING STAND HEATER, WATTAGE NOTED EQUIPMENT CONNECTION M SINGLE PHASE MOTOR, HORSEPOWER AS NOTED HP THREE PHASE MOTOR, HORSEPOWER AS NOTED HP SINGLE PHASE MOTOR, HORSEPOWER AS NOTED ELECTRICAL PLUG DISCONNECT SWITCH F FUSED DISCONNECT SWITCH COMBINATION MOTOR STARTER AND DISCONNECT SWITCH	FLUORESCENT FIXTURE WALL/CEILING MOUNTED FIXTURE EMERGENCY LIGHT WITH SELF CONTAINED BATTERY SURFACE OR PENDANT MOUNTED FIXTURE RECESSED FIXTURE MD MOTION DETECTOR PC PHOTO CONTROL CELL	SPDT - SINGLE POLE, DOUBLE THROW SPST - SINGLE POLE, SINGLE THROW DPST - DOUBLE POLE, SINGLE THROW WP - WEATHER-PROOF GFI - GROUND FAULT INTERRUPTER P - POWER C - CONTROL J - INSTRUMENTATION PC - POWER & CONTROL CJ - CONTROL & INSTRUMENTATION CKT. - CIRCUIT C.O. - CONDUIT ONLY N.L. - NIGHT LIGHT AL - ALUMINUM CU - COPPER SST - STAINLESS STEEL HOA - HAND-OFF-AUTO SWITCH RTM - RUN TIME METER OC - OPERATION COUNTER MRIL - MOTOR RUN INDICATION LIGHT SFIL - SEAL FAIL INDICATION LIGHT SFTR - SEAL FAIL TRIP RESET OTIL - OVER TEMPERATURE INDICATION LIGHT MOIL - MOTOR OVERLOAD INDICATION LIGHT	INDICATOR LIGHT INDICATOR LIGHT A - AMBER G - GREEN B - BLUE R - RED C - CLEAR W - WHITE LIMITSWITCH LIMIT SWITCH, NORMALLY OPEN LIMITSWITCH LIMIT SWITCH, NORMALLY CLOSED LABEL TIME DELAY CONTACT, NORMALLY OPEN, TIME TO CLOSE LABEL TIME DELAY CONTACT, NORMALLY CLOSED, TIME TO OPEN LABEL TIME DELAY CONTACT, NORMALLY OPEN, TIME TO OPEN LABEL TIME DELAY CONTACT, NORMALLY CLOSED, TIME TO CLOSE NAME RELAY CONTACT, INSTANTANEOUS CHANGE PRESSURE PRESSURE SWITCH, NORMALLY OPEN PRESSURE PRESSURE SWITCH, NORMALLY CLOSED LADDER LOGIC LINETYPES COMPONENT INSTALLED INSIDE ENCLOSURE COMPONENT INSTALLED ON FRONT OF ENCLOSURE FIELD CONNECTED COMPONENT RELAY RELAY TR - TIMED RELAY CR - CONTROL RELAY LABEL FLOAT SWITCH, NORMALLY OPEN LABEL FLOAT SWITCH, NORMALLY CLOSED PUSHBUTTON PUSHBUTTON, NORMALLY CLOSED PUSHBUTTON PUSHBUTTON, NORMALLY OPEN THERMOSTAT THERMO SWITCH, NORMALLY OPEN THERMOSTAT THERMO SWITCH, NORMALLY CLOSED FLOWSWITCH FLOWSWITCH, NORMALLY OPEN FLOWSWITCH FLOWSWITCH, NORMALLY CLOSED 2 POLE SWITCH 3 POLE SWITCH	
<b>RECEPTACLES AND JUNCTION BOX SYMBOLS</b>		<b>FIRE SYSTEM SYMBOLS</b>		<b>INDICATE TYPE BY LETTER</b>	
CEILING JUNCTION BOX WALL JUNCTION BOX FLOOR JUNCTION BOX DUPLEX WALL RECEPTACLE, 120V WP = WEATHERPROOF G = GROUNDED IG = ISOLATED GROUND GFI = GROUND FAULT INTERRUPTER DOUBLE DUPLEX SINGLE RECEPTACLE, 120V SINGLE RECEPTACLE, 208V DUPLEX FLOOR RECEPTACLE, 120V SPECIAL PURPOSE WALL RECEPTACLE, RATING AS NOTED CLOCK TV TELEVISION TELEPHONE TELEPHONE/DATA WITH CABLE TELEPHONE/DATA WITHOUT CABLE	HEAT DETECTOR SMOKE DETECTOR FIRE ALARM DISPATCH STROBE ALARM FIRE ALARM AUDIBLE/VISUAL ALARM FIRE ALARM MANUAL PULL STATION	A - AMMETER VAR - VARMETER AH - AMPERE-HOUR VARH - VARHOUR METER PF - POWER FACTOR W - WATTMETER V - VOLTMETER WH - WATT/ HOUR METER VA - VOLT AMMETER	<b>RACEWAY LEGEND</b> P - PROPOSED POWER TEL - PROPOSED TELEPHONE TELM - PROPOSED INSTRUMENTATION FO - PROPOSED FIBER OPTICS G - PROPOSED GROUNDING HOME RUN TO PANELBOARD OR AS INDICATED CONDUIT RUN, BROKEN AND CONTINUED SAME SHEET OR AS NOTED FLEXIBLE CONDUIT CONDUIT RUN. HATCH MARKS INDICATE NUMBER OF CONDUCTORS CALLOUT INDICATING CONDUIT SIZE, NUMBER AND SIZE OF WIRE. CALLOUT INDICATING CONDUIT PER SCHEDULE CONDUIT BENT UP OR TOWARD CONDUIT BENT DOWN OR AWAY CAPPED CONDUIT		
<b>ADDITIONAL SYMBOLS</b>		<b>PID FORMAT</b>		<b>ONE-LINE DIAGRAM INFORMATION</b>	
SOUND SYSTEM SPEAKER SOUND SYSTEM VOLUME CONTROL DOORBELL	PILOT VALVE SOLENOID VALVE CHECK VALVE CONTROL VALVE	SUPERSCRIPT XYZ ABC INSTRUMENT BUBBLE X=MEASURED OR INITIATING VARIABLE Y=READOUT OR FUNCTION Z=MODIFIER ABC=LOOP NUMBER	EXISTING EQUIPMENT AND CONDUIT PROPOSED EQUIPMENT AND CONDUIT CONDUIT, WIRING OR EQUIPMENT TO BE REMOVED		
<b>ISA STANDARDS FOR P&amp;ID</b>		<b>GENERAL NOTES</b>		<b>P&amp;ID BUBBLE IDENTIFICATION CHART</b>	
1st LETTER (MEASURED OR INITIATING VARIABLE) 2nd LETTER (READOUT OR FUNCTION) 3rd LETTER (MODIFIER)	A ANALYSIS B BURNER (BATTERY) C COMMUNICATION D DENSITY E VOLTAGE	ALARM CONTROL (DELAY)	(BACK) CLOSED FAIL (FLOW) GREEN BULB HIGH	EXISTING FUNCTION	INSTRUMENT IDENTIFICATION BUBBLE FIELD MOUNTED DEVICE OR INSTRUMENT FRONT PANEL MOUNTED INSTRUMENT OR DEVICE (LOCAL PANEL) BACK PANEL MOUNTED INSTRUMENT OR DEVICE (LOCAL PANEL) FRONT PANEL MOUNTED INSTRUMENT OR DEVICE (LAB ROOM PANEL) OPERATOR INTERFACE DISPLAY (LOCAL PANEL) OPERATOR INTERFACE DISPLAY (LAB ROOM PANEL)
F FLOW G GAS H HAND CURRENT (INTRUSION) J POWER (EQUIPMENT)	MANUAL INDICATE	CONTROL STATION LIGHT	LOW MIDDLE OPEN	1. THIS IS A STANDARD LEGEND. NOT ALL OF THE INFORMATION SHOWN ON THIS PAGE WILL APPEAR IN THIS SET OF PLANS. 2. THESE DRAWINGS ARE DIAGRAMMATIC ONLY; EXACT LOCATIONS OF ELECTRICAL EQUIPMENT SHALL BE DETERMINED IN THE FIELD BY THE CONTRACTOR. THE INSTALLATION OF ALL EQUIPMENT SHOWN ON THESE DRAWINGS OR DESCRIBED IN THE SPECIFICATIONS SHALL CONFORM TO THE REQUIREMENTS SET FORTH IN THE LATEST EDITIONS OF ALL APPLICABLE CODES AND UTILITY COMPANY STANDARDS. CONTACT THE UTILITY COMPANY REPRESENTATIVES AND VERIFY THEIR REQUIREMENTS. 3. NOTIFY THE ENGINEER IMMEDIATELY IF CONFLICTS IN EQUIPMENT LOCATIONS ARE DISCOVERED OR IF PROBLEMS ARISE DUE TO FIELD CONDITIONS, LACK OF INFORMATION OR ANY OTHER REASON. NO PAYMENT WILL BE MADE FOR CHANGES WHICH HAVE NOT BEEN REVIEWED BY THE ENGINEER.	
K TIME LEVEL L MOTION N USERS CHOICE O USERS CHOICE	CONTROL STATION LIGHT	LOW MIDDLE OPEN	<b>GENERAL NOTES</b> 1. THIS IS A STANDARD LEGEND. NOT ALL OF THE INFORMATION SHOWN ON THIS PAGE WILL APPEAR IN THIS SET OF PLANS. 2. THESE DRAWINGS ARE DIAGRAMMATIC ONLY; EXACT LOCATIONS OF ELECTRICAL EQUIPMENT SHALL BE DETERMINED IN THE FIELD BY THE CONTRACTOR. THE INSTALLATION OF ALL EQUIPMENT SHOWN ON THESE DRAWINGS OR DESCRIBED IN THE SPECIFICATIONS SHALL CONFORM TO THE REQUIREMENTS SET FORTH IN THE LATEST EDITIONS OF ALL APPLICABLE CODES AND UTILITY COMPANY STANDARDS. CONTACT THE UTILITY COMPANY REPRESENTATIVES AND VERIFY THEIR REQUIREMENTS. 3. NOTIFY THE ENGINEER IMMEDIATELY IF CONFLICTS IN EQUIPMENT LOCATIONS ARE DISCOVERED OR IF PROBLEMS ARISE DUE TO FIELD CONDITIONS, LACK OF INFORMATION OR ANY OTHER REASON. NO PAYMENT WILL BE MADE FOR CHANGES WHICH HAVE NOT BEEN REVIEWED BY THE ENGINEER.		
P PRESSURE Q QUANTITY (EVENT) R RADIATION (REQ'D) S SPEED (SMOKE) T TEMPERATURE	(PUMP) TOTALIZE RECORD SWITCH TRANSMITTER	(PRESSURE)	<b>GENERAL NOTES</b> 1. THIS IS A STANDARD LEGEND. NOT ALL OF THE INFORMATION SHOWN ON THIS PAGE WILL APPEAR IN THIS SET OF PLANS. 2. THESE DRAWINGS ARE DIAGRAMMATIC ONLY; EXACT LOCATIONS OF ELECTRICAL EQUIPMENT SHALL BE DETERMINED IN THE FIELD BY THE CONTRACTOR. THE INSTALLATION OF ALL EQUIPMENT SHOWN ON THESE DRAWINGS OR DESCRIBED IN THE SPECIFICATIONS SHALL CONFORM TO THE REQUIREMENTS SET FORTH IN THE LATEST EDITIONS OF ALL APPLICABLE CODES AND UTILITY COMPANY STANDARDS. CONTACT THE UTILITY COMPANY REPRESENTATIVES AND VERIFY THEIR REQUIREMENTS. 3. NOTIFY THE ENGINEER IMMEDIATELY IF CONFLICTS IN EQUIPMENT LOCATIONS ARE DISCOVERED OR IF PROBLEMS ARISE DUE TO FIELD CONDITIONS, LACK OF INFORMATION OR ANY OTHER REASON. NO PAYMENT WILL BE MADE FOR CHANGES WHICH HAVE NOT BEEN REVIEWED BY THE ENGINEER.		
U MULTI VARIABLE V VISCOSITY (pH) W WEIGHT X UNCLASSIFIED Y USERS CHOICE	MULTI FUNCTION VALVE RELAY (TRANSDUCER)	RED BULB SOLENOID (TRANSMITTER)	<b>GENERAL NOTES</b> 1. THIS IS A STANDARD LEGEND. NOT ALL OF THE INFORMATION SHOWN ON THIS PAGE WILL APPEAR IN THIS SET OF PLANS. 2. THESE DRAWINGS ARE DIAGRAMMATIC ONLY; EXACT LOCATIONS OF ELECTRICAL EQUIPMENT SHALL BE DETERMINED IN THE FIELD BY THE CONTRACTOR. THE INSTALLATION OF ALL EQUIPMENT SHOWN ON THESE DRAWINGS OR DESCRIBED IN THE SPECIFICATIONS SHALL CONFORM TO THE REQUIREMENTS SET FORTH IN THE LATEST EDITIONS OF ALL APPLICABLE CODES AND UTILITY COMPANY STANDARDS. CONTACT THE UTILITY COMPANY REPRESENTATIVES AND VERIFY THEIR REQUIREMENTS. 3. NOTIFY THE ENGINEER IMMEDIATELY IF CONFLICTS IN EQUIPMENT LOCATIONS ARE DISCOVERED OR IF PROBLEMS ARISE DUE TO FIELD CONDITIONS, LACK OF INFORMATION OR ANY OTHER REASON. NO PAYMENT WILL BE MADE FOR CHANGES WHICH HAVE NOT BEEN REVIEWED BY THE ENGINEER.		
Z POSITION			<b>GENERAL NOTES</b> 1. THIS IS A STANDARD LEGEND. NOT ALL OF THE INFORMATION SHOWN ON THIS PAGE WILL APPEAR IN THIS SET OF PLANS. 2. THESE DRAWINGS ARE DIAGRAMMATIC ONLY; EXACT LOCATIONS OF ELECTRICAL EQUIPMENT SHALL BE DETERMINED IN THE FIELD BY THE CONTRACTOR. THE INSTALLATION OF ALL EQUIPMENT SHOWN ON THESE DRAWINGS OR DESCRIBED IN THE SPECIFICATIONS SHALL CONFORM TO THE REQUIREMENTS SET FORTH IN THE LATEST EDITIONS OF ALL APPLICABLE CODES AND UTILITY COMPANY STANDARDS. CONTACT THE UTILITY COMPANY REPRESENTATIVES AND VERIFY THEIR REQUIREMENTS. 3. NOTIFY THE ENGINEER IMMEDIATELY IF CONFLICTS IN EQUIPMENT LOCATIONS ARE DISCOVERED OR IF PROBLEMS ARISE DUE TO FIELD CONDITIONS, LACK OF INFORMATION OR ANY OTHER REASON. NO PAYMENT WILL BE MADE FOR CHANGES WHICH HAVE NOT BEEN REVIEWED BY THE ENGINEER.		
<b>ELECTRICAL SITE PLAN SYMBOLS</b>		<b>SWITCH OUTLETS</b>			
UTILITY POLE AND GUY WIRE HH MANHOLE OR HANDHOLE P BURIED POWER VAULT OR MANHOLE T TELEPHONE VAULT OR PEDESTAL F FIBER OPTICS VAULT OR PEDESTAL LUMINAIRE PAD-MOUNT TRANSFORMER	STANDARD SWITCH, 120VAC, 20 AMP 3-WAY SWITCH, 120VAC, 20 AMP 3-POSITION SWITCH, 120VAC, 20 AMP, LABEL SWITCH POSITION HAND-OFF-MOTION OR PHOTO SINGLE-POLE DOUBLE-POLE THREE WAY FOUR WAY DIMMER PILOT-LIGHTED KEY-OPERATED LOW VOLTAGE MASTER PUSHBUTTON				

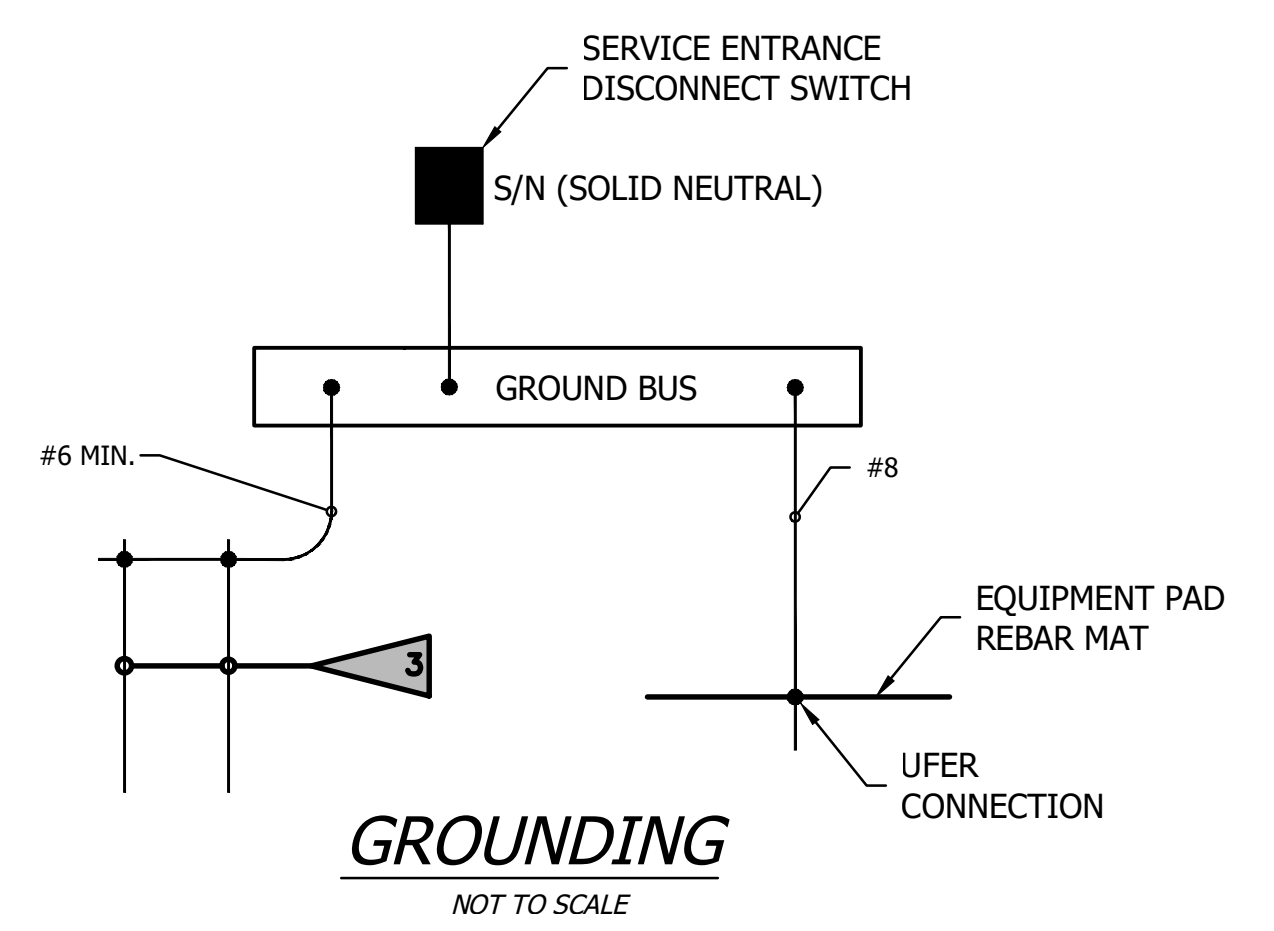


**ONE-LINE DIAGRAM**  
NOT TO SCALE

- ELECTRICAL NOTES**
1. PUMP CONTROL PANEL TO BE SUPPLIED BY PUMP SUPPLIER. SEE SHEET NO. 17 FOR TYPICAL PUMP CONTROL LOGIC DIAGRAMS. ONE-LINE AND CONTROL DIAGRAMS SHOW PANEL OPTIONS THAT SHALL BE PROVIDED WITH PANEL.
  2. SEE GROUNDING DETAIL, THIS SHEET.
  3. GROUND ROD PER N.E.C. (TYPICAL). SEE SHEET NO. 19 FOR DETAIL.
  4. FUSING OR CIRCUIT BREAKER PER SPD MANUFACTURER'S RECOMMENDATION. USE SHORTEST CONDUCTORS POSSIBLE TO SPD.
  5. TERMINAL BLOCKS (TYPICAL). SEE SHEET NO. 19 FOR DETAIL.
  6. PROVIDE LED MOTION SENSOR PANEL LIGHT. MOUNT TO INSIDE CEILING.
  7. SEE ELECTRICAL SITE PLAN FOR OTHER CONTROL DEVICES TO BE INSTALLED IN WET WELL.
  8. SEE SHEET NO. 20 FOR CONDUIT AND CONDUCTOR SCHEDULE.
  9. SEE SHEET NO. 20 FOR ELECTRICAL EQUIPMENT SCHEDULE.
  10. SEE SHEET NO. 20 FOR LIGHTING FIXTURE SCHEDULE.

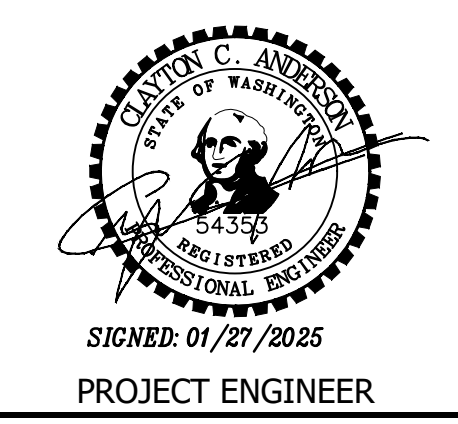
**PUMP STATION LOAD CALCULATIONS**

PUMP 1 (7.2 HP)	11.0A X 1.25 =	13.75 AMPS
PUMP 2 (7.2 HP)	11.0A X 1.00 =	11.0 AMPS
HEATER (1800 W)	6.5A X 1.00 =	6.50 AMPS
MISCELLANEOUS (2.25 KVA)	5.2A X 1.00 =	5.2 AMPS
<b>TOTAL</b>		<b>36.45 AMPS</b>



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POTHoles  
STATE PARK

SEWER LIFT STATION  
REPLACEMENT

ONE-LINE DIAGRAM



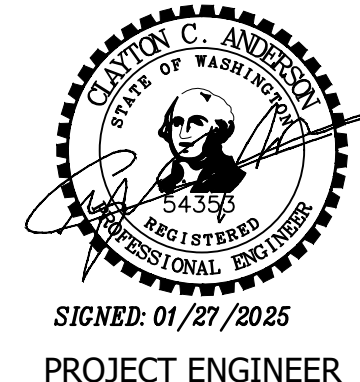


**ELECTRICAL NOTES**

1. GROUND ROD PER N.E.C. (TYPICAL), TYP OF 2. USE EXOTHERMIC WELD CONNECTION AT THE GROUND ROD. SEE SHEET NO. 19 FOR ADDITIONAL DETAIL. LOCATE GROUND RODS INSIDE CONCRETE SLAB AND 12" MINIMUM FROM EDGE OF CONCRETE SLAB.
2. CONNECTION TO REINFORCEMENT GRID. SEE SHEET NO. 19 FOR ADDITIONAL DETAIL.
3. CONTRACTOR SHALL PROVIDE MINIMUM 4" OF SEPARATION BETWEEN POWER AND CONTROL CABLES.
4. EXISTING SERVICE DISCONNECT TO BE REMOVED. ROUTE NEW CONDUIT FROM EXISTING UTILITY METER TO NEW SERVICE DISCONNECT LOCATED ON ELECTRICAL PEDESTAL.
5. MOUNT HEATER ON WALL AND AS CLOSE TO CEILING AS ALLOWED PER MANUFACTURER'S INSTALLATION REQUIREMENTS.
6. LIGHT SWITCH SHALL BE MOUNTED ON ELECTRICAL PEDESTAL.
7. SEE SHEET NO. 20 FOR CONDUIT AND CONDUCTOR SCHEDULES.
8. SEE SHEET NO. 20 FOR ELECTRICAL EQUIPMENT SCHEDULE.
9. SEE SHEET NO. 20 FOR LIGHTING FIXTURE SCHEDULE.

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PARKS

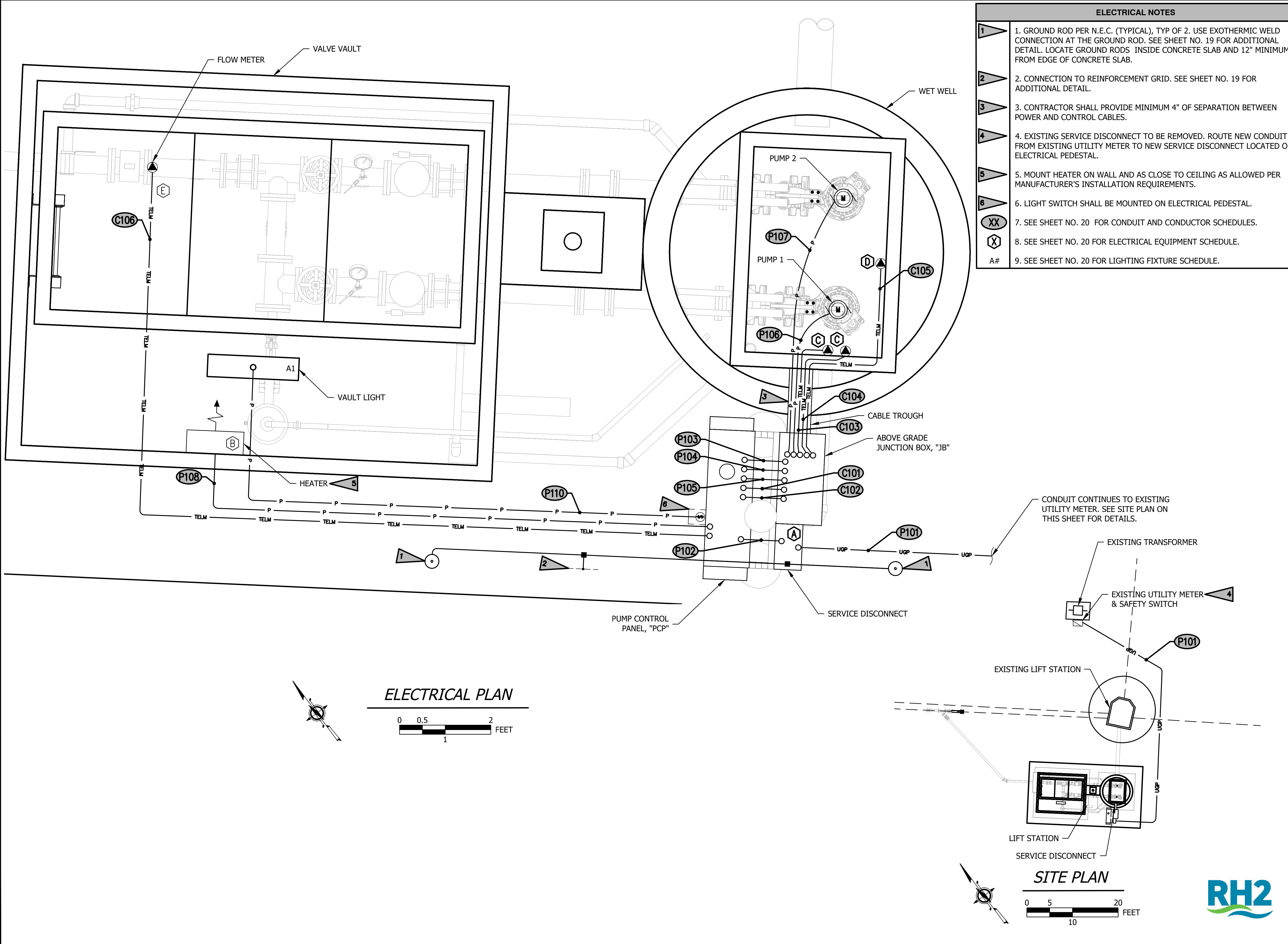


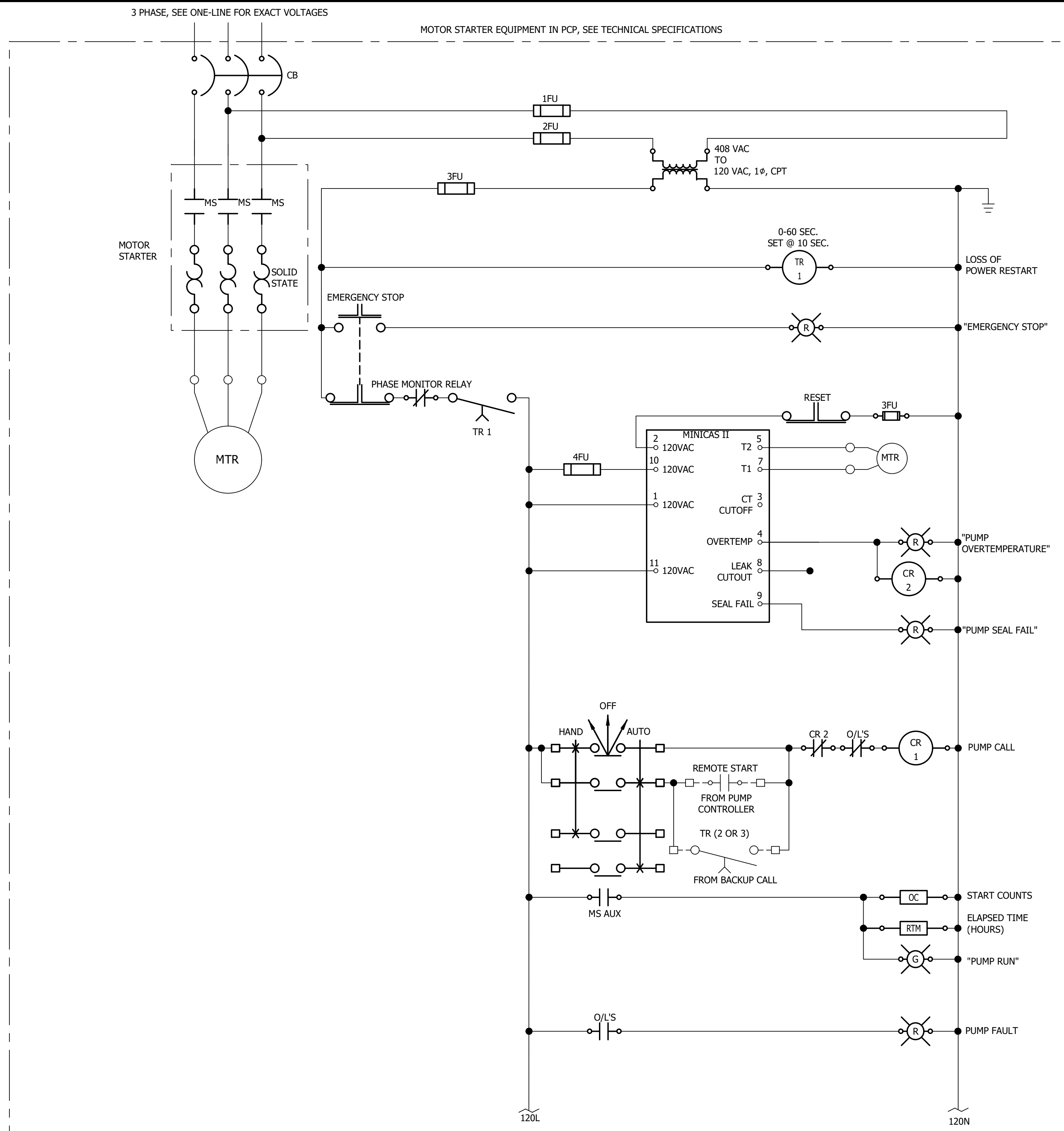
RECREATION  
COMMISSION

POTHoles  
STATE PARK

SEWER LIFT STATION  
REPLACEMENT

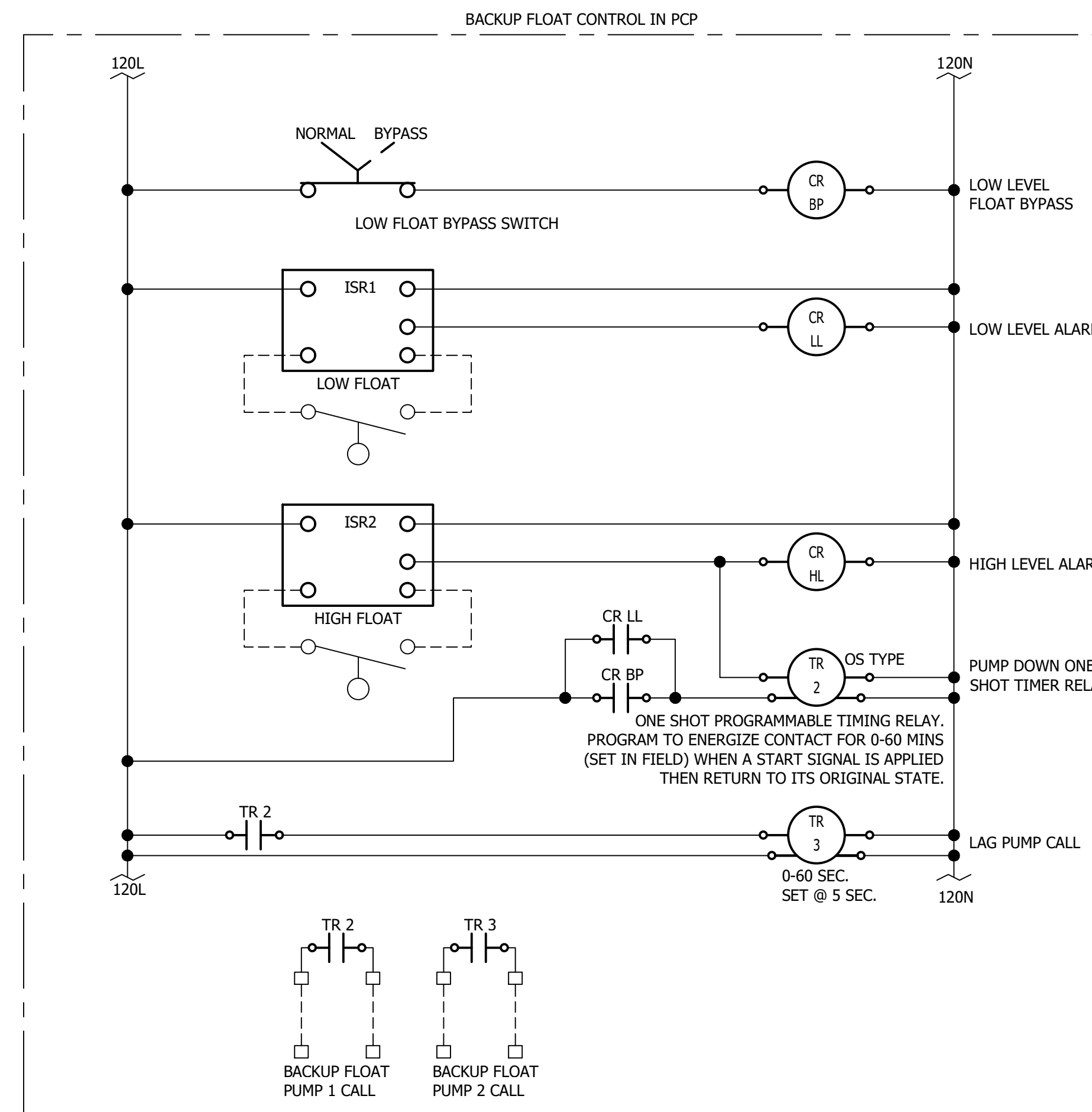
ELECTRICAL SITE PLAN





**DIAGRAM 1: PUMP 1, PUMP 2**

NO SCALE



**DIAGRAM 2: BACKUP FLOAT CONTROL LOGIC**

NO SCALE

**ELECTRICAL NOTES**

- CONTROL LOGIC DIAGRAMS 1 AND 2 TYPICAL STANDARD BACKUP FLOAT AND PUMP STARTER DIAGRAMS. FINAL LOGIC SHALL BE PER PANEL MANUFACTURER STANDARDS INCLUDING ALL OPTIONS SHOWN (LIGHTS, SWITCHES, RESETS, LOCKOUTS, ETC.).
- CONTROL PANEL SHALL HAVE A COMMON ALARM CIRCUIT THAT ACTIVATES STROBE LIGHT ON PANEL EXTERIOR. ALL PUMP FAIL, CONTROLLER FAIL, AND BACKUP FLOAT CALLS SHALL ACTIVATE STROBE.

CAD NO. psp-d-e04

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	CLC	1/27/2025

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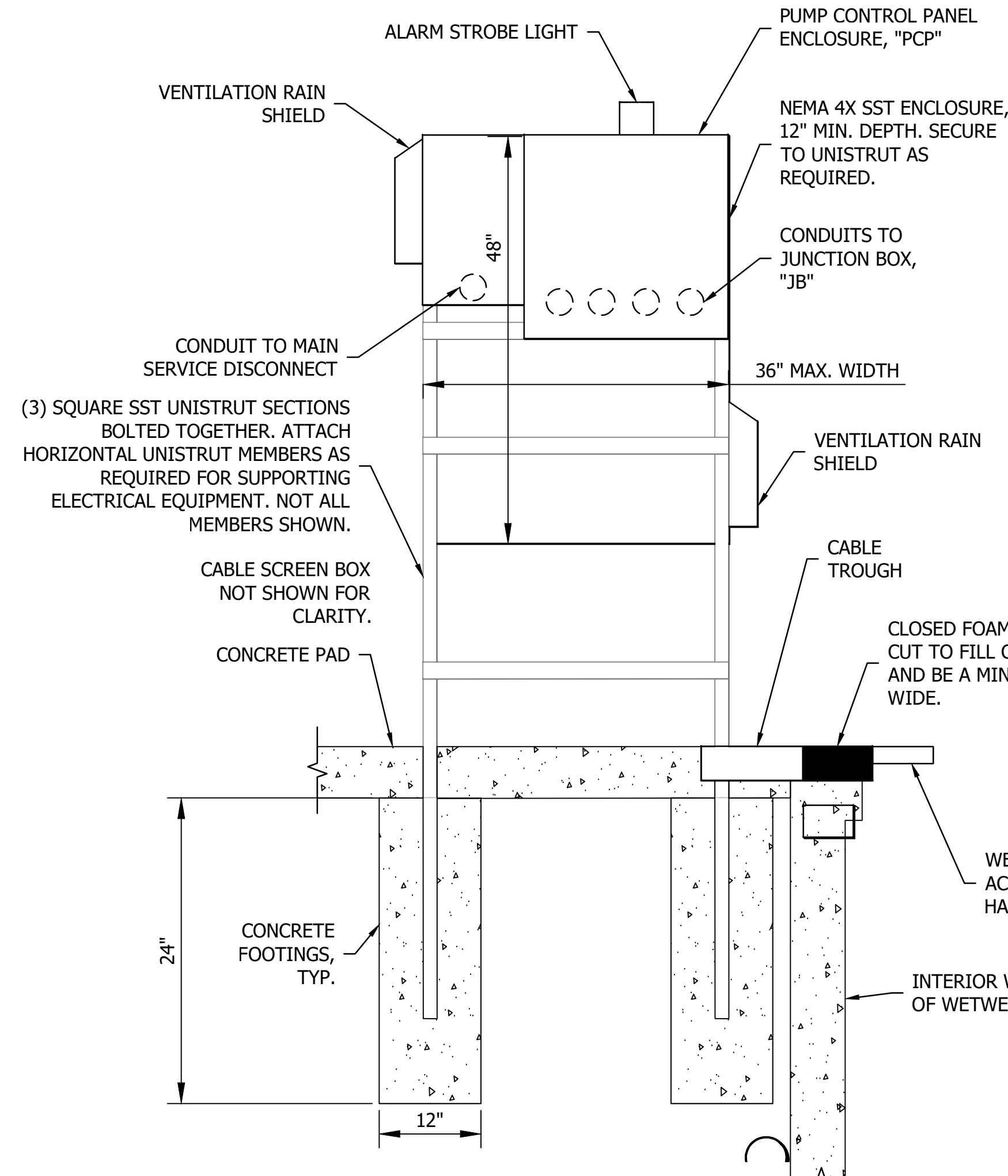
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PROJECT ENGINEER

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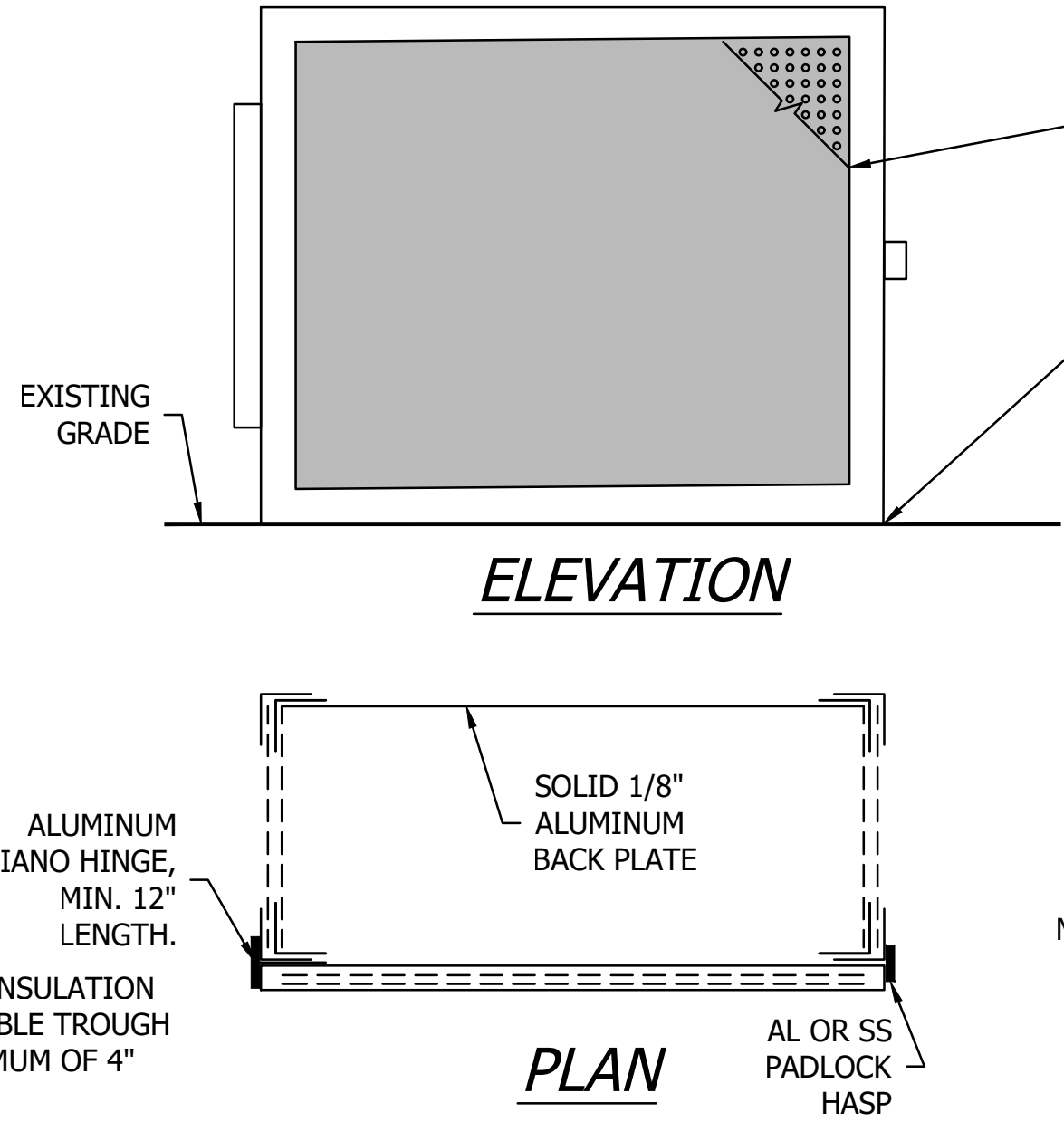
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CONTROL LOGIC  
DIAGRAM

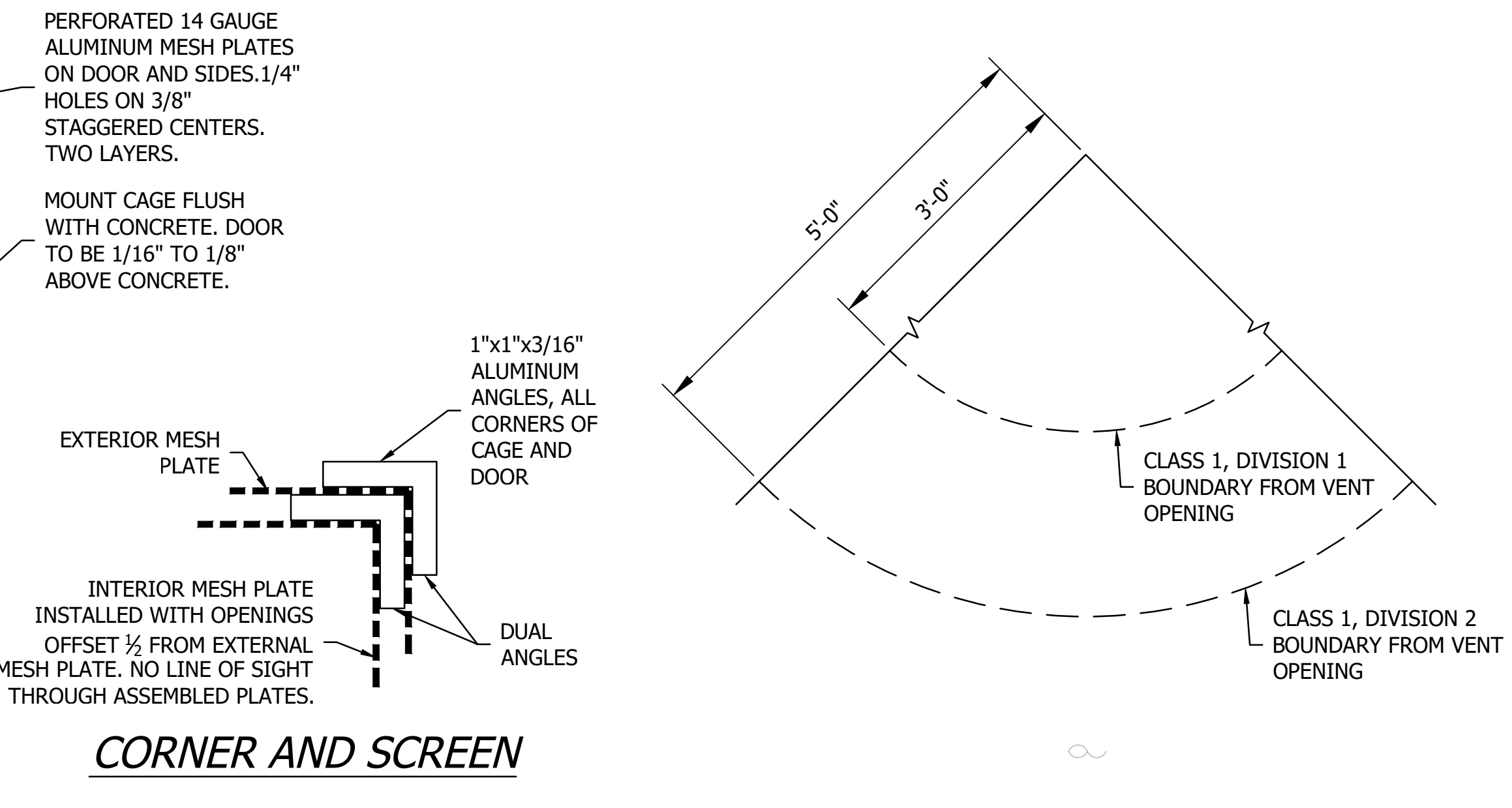




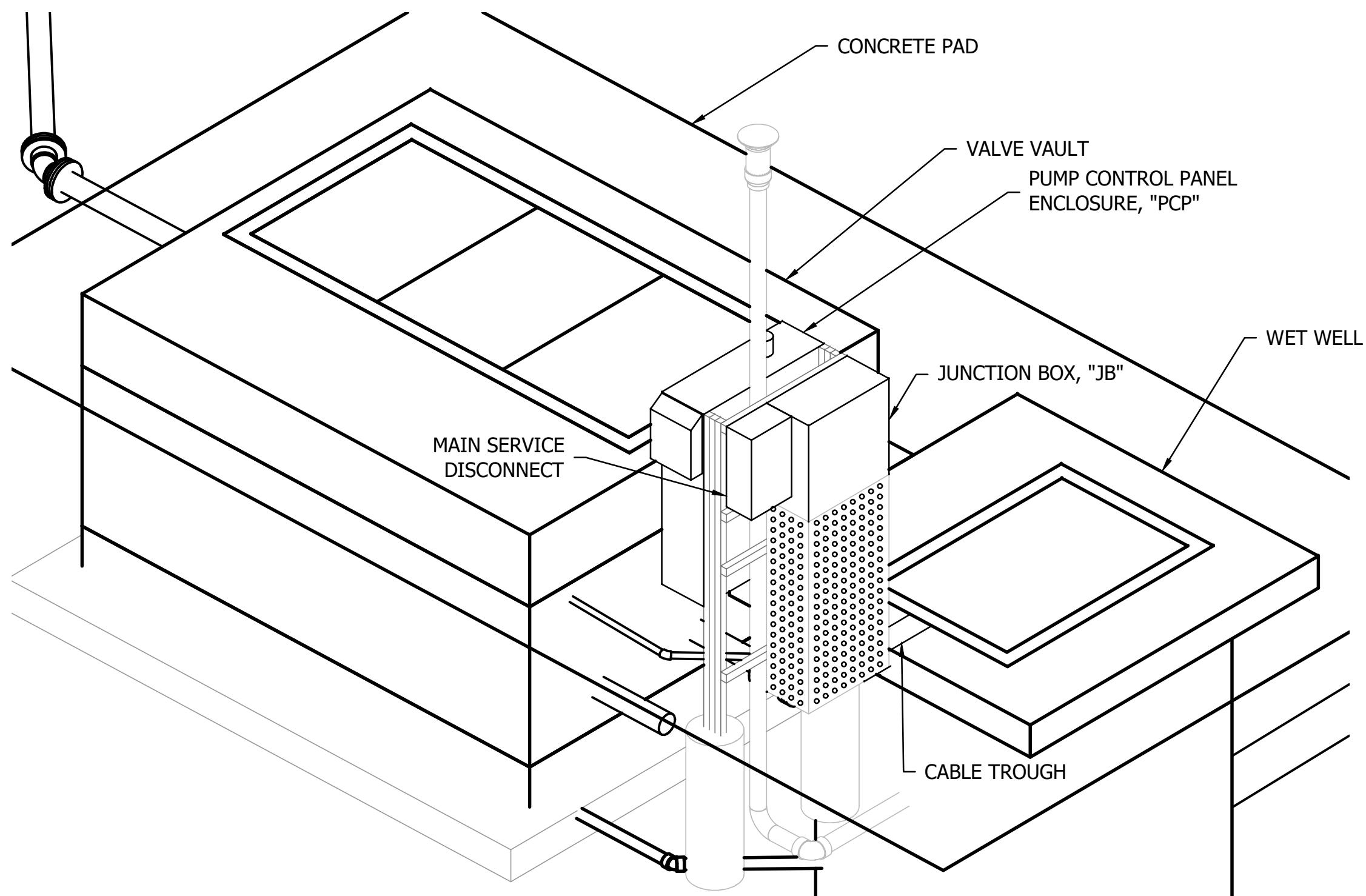
**ELECTRICAL PEDESTAL, BACK ELEVATION**  
NOT TO SCALE



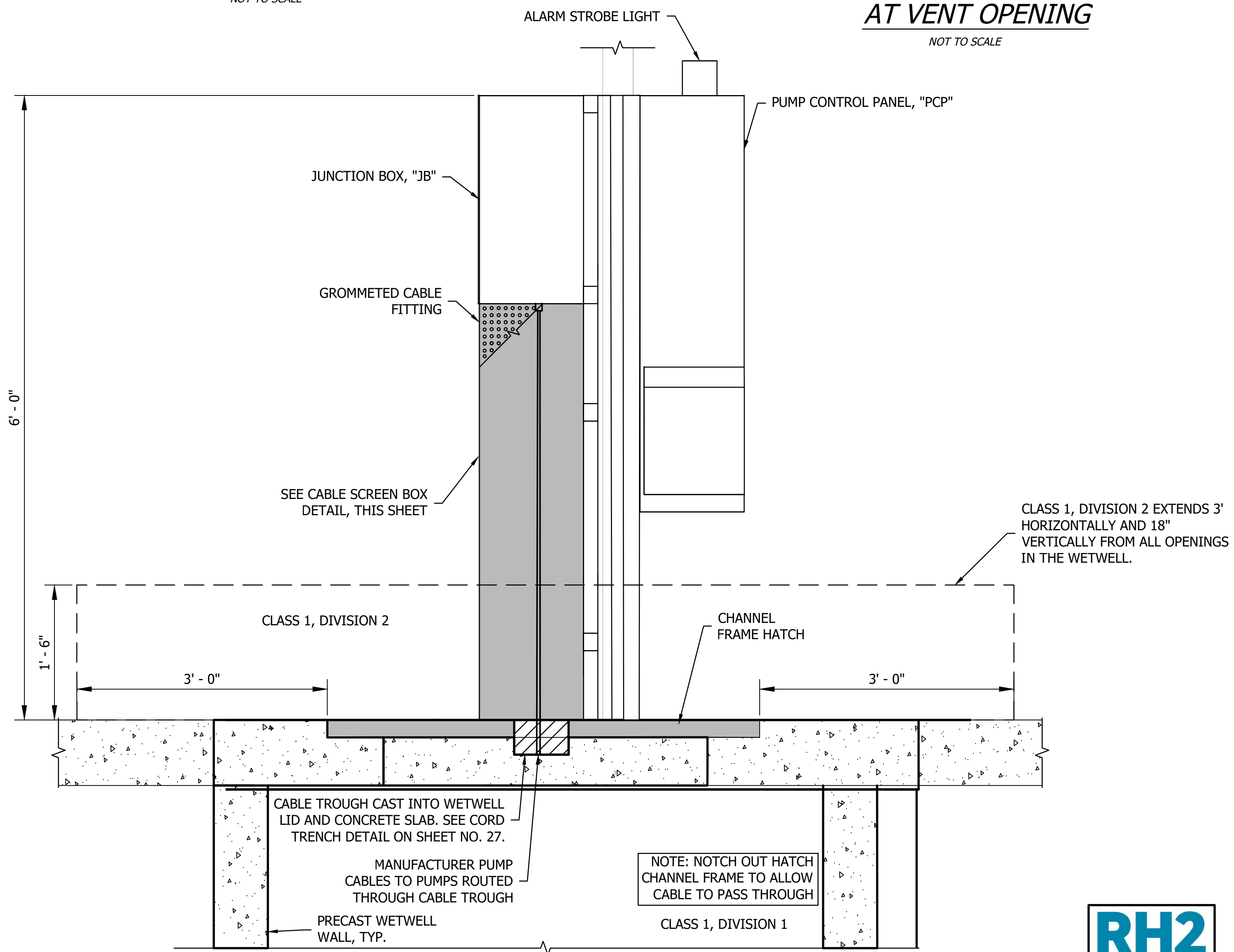
**CABLE SCREEN BOX DETAILS**  
NOT TO SCALE



**CLASSIFICATION BOUNDARIES AT VENT OPENING**  
NOT TO SCALE

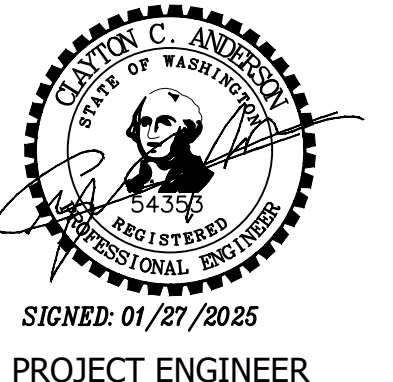


**OBLIQUE**  
NOT TO SCALE



**ELECTRICAL PEDESTAL, SIDE ELEVATION**  
NOT TO SCALE

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ENCLOSURE DETAILS



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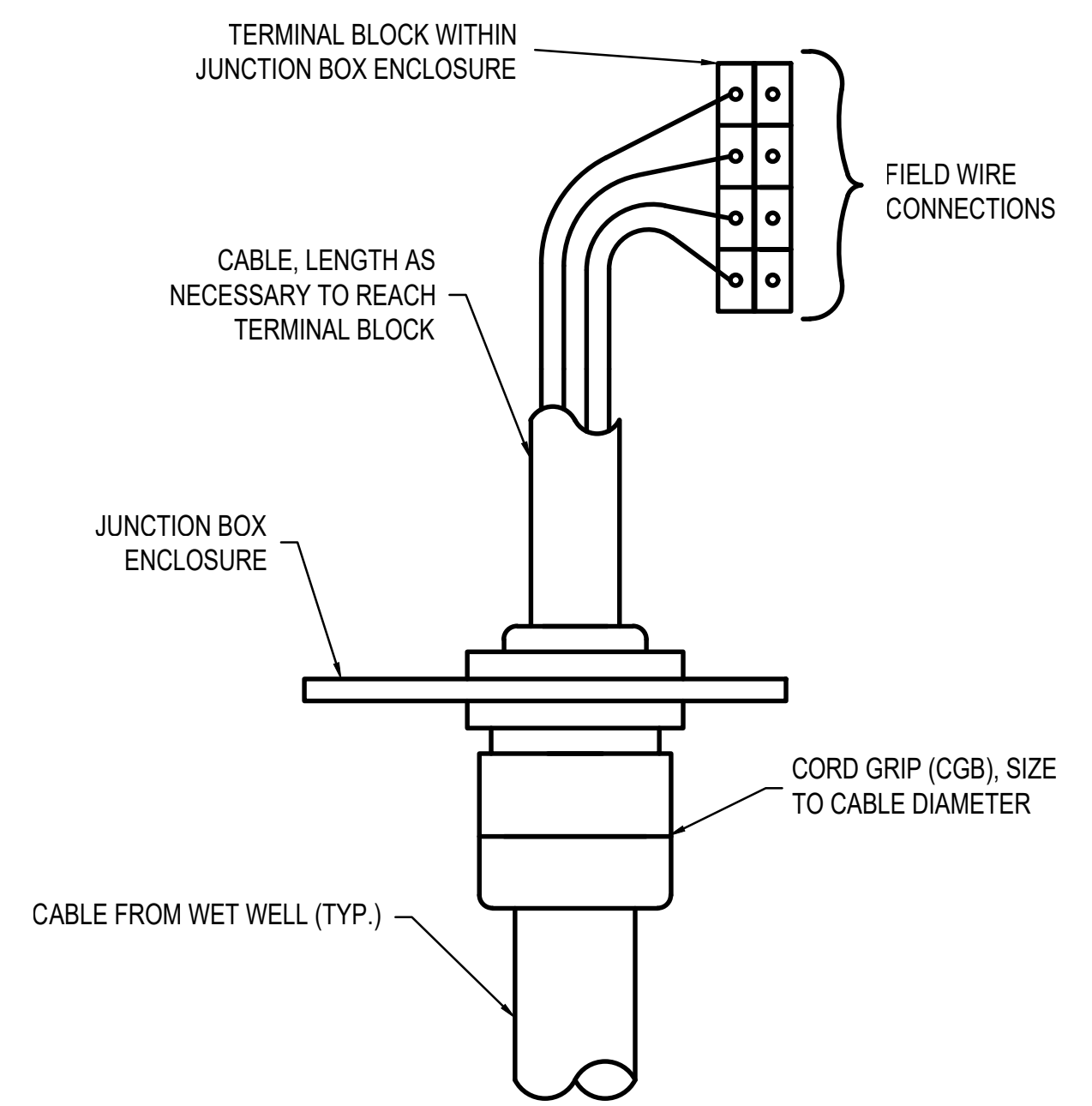
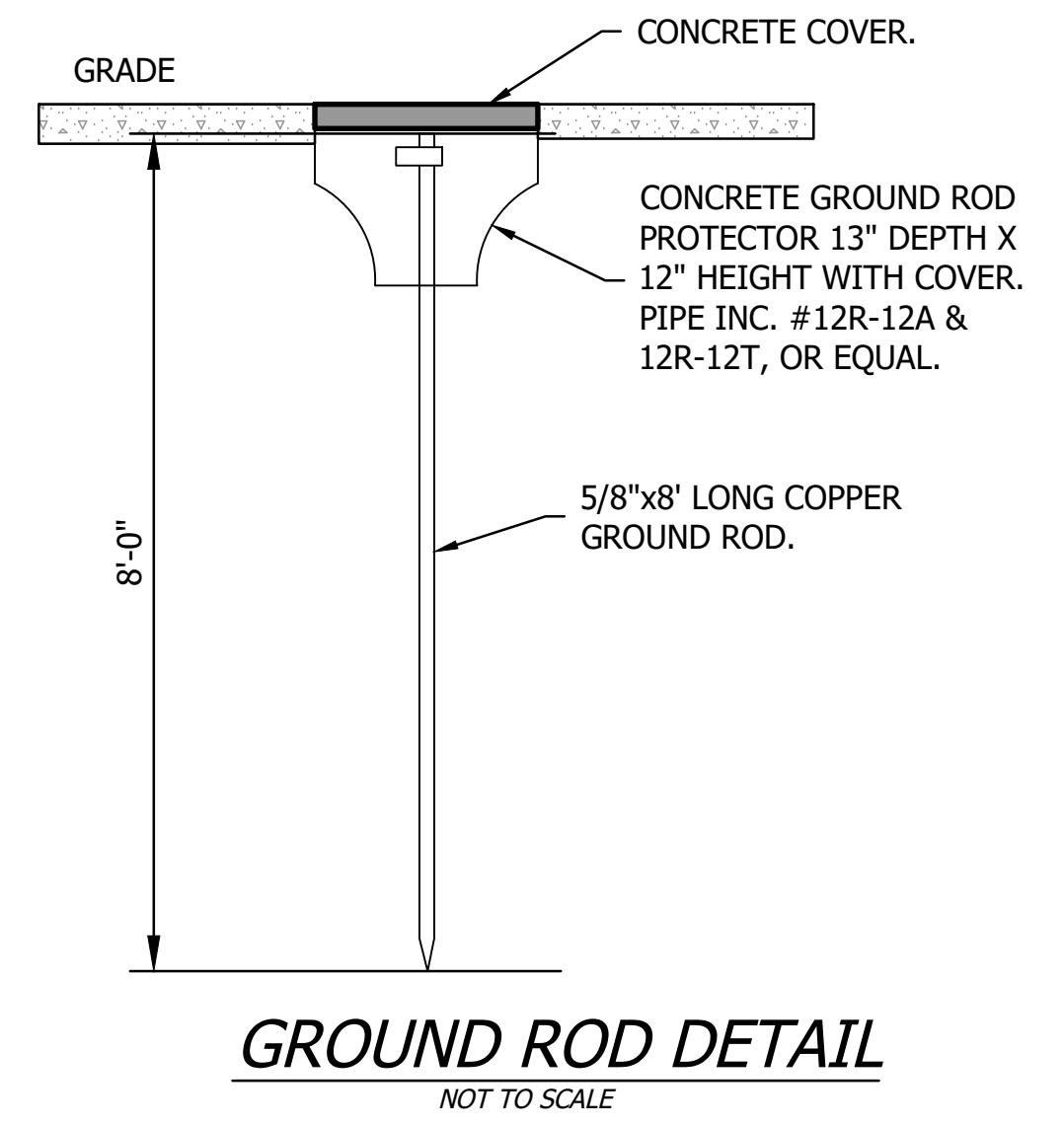
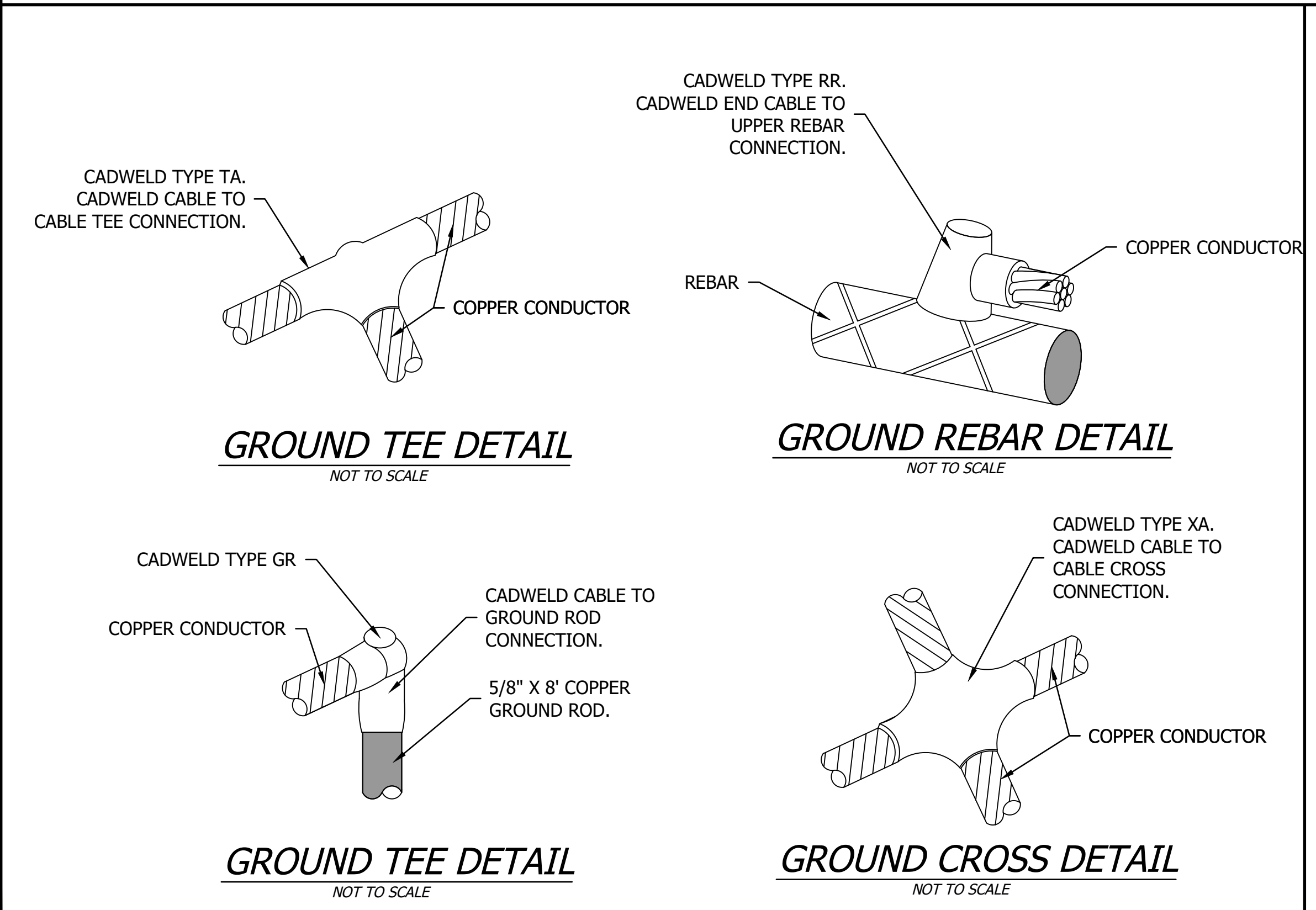
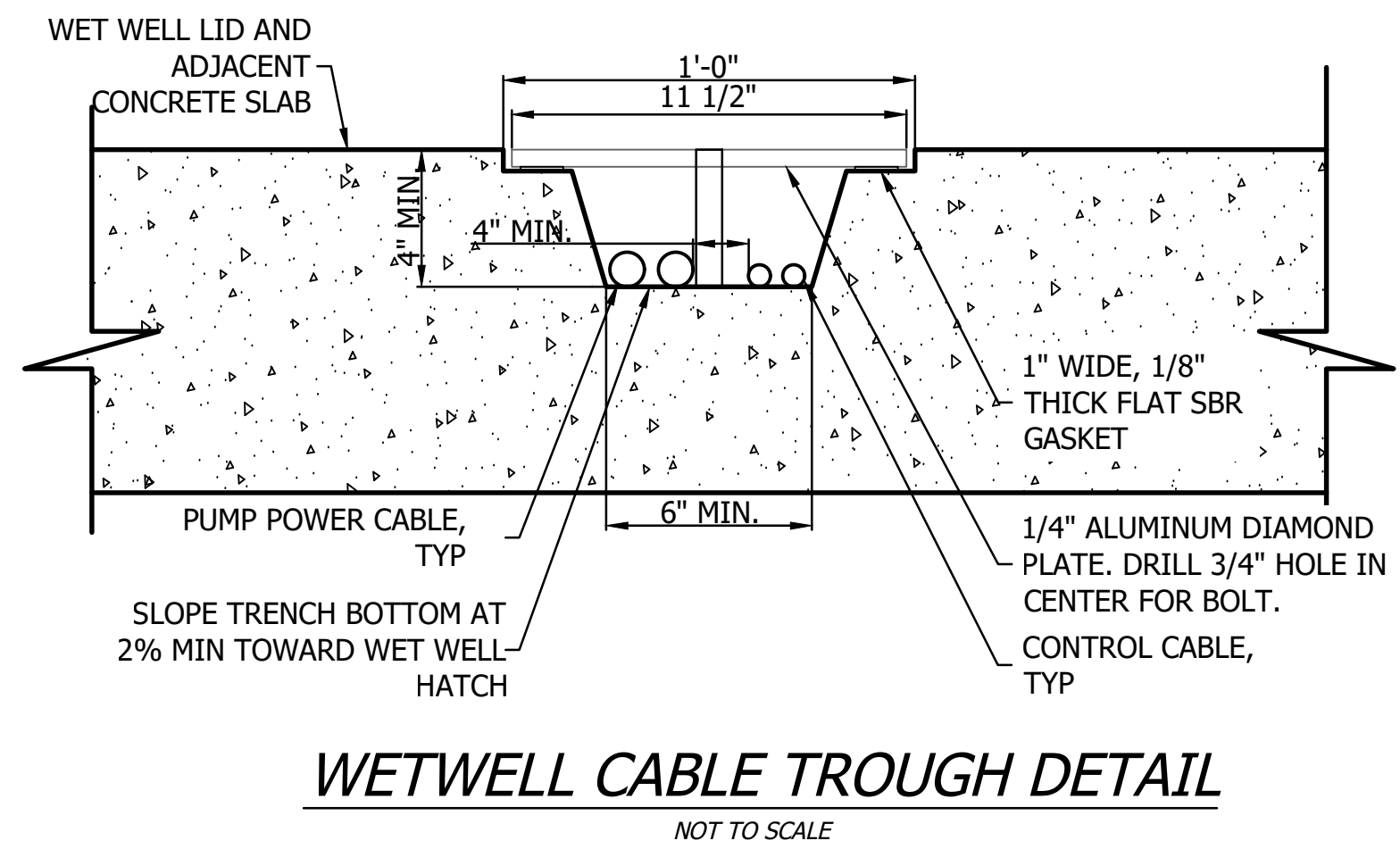
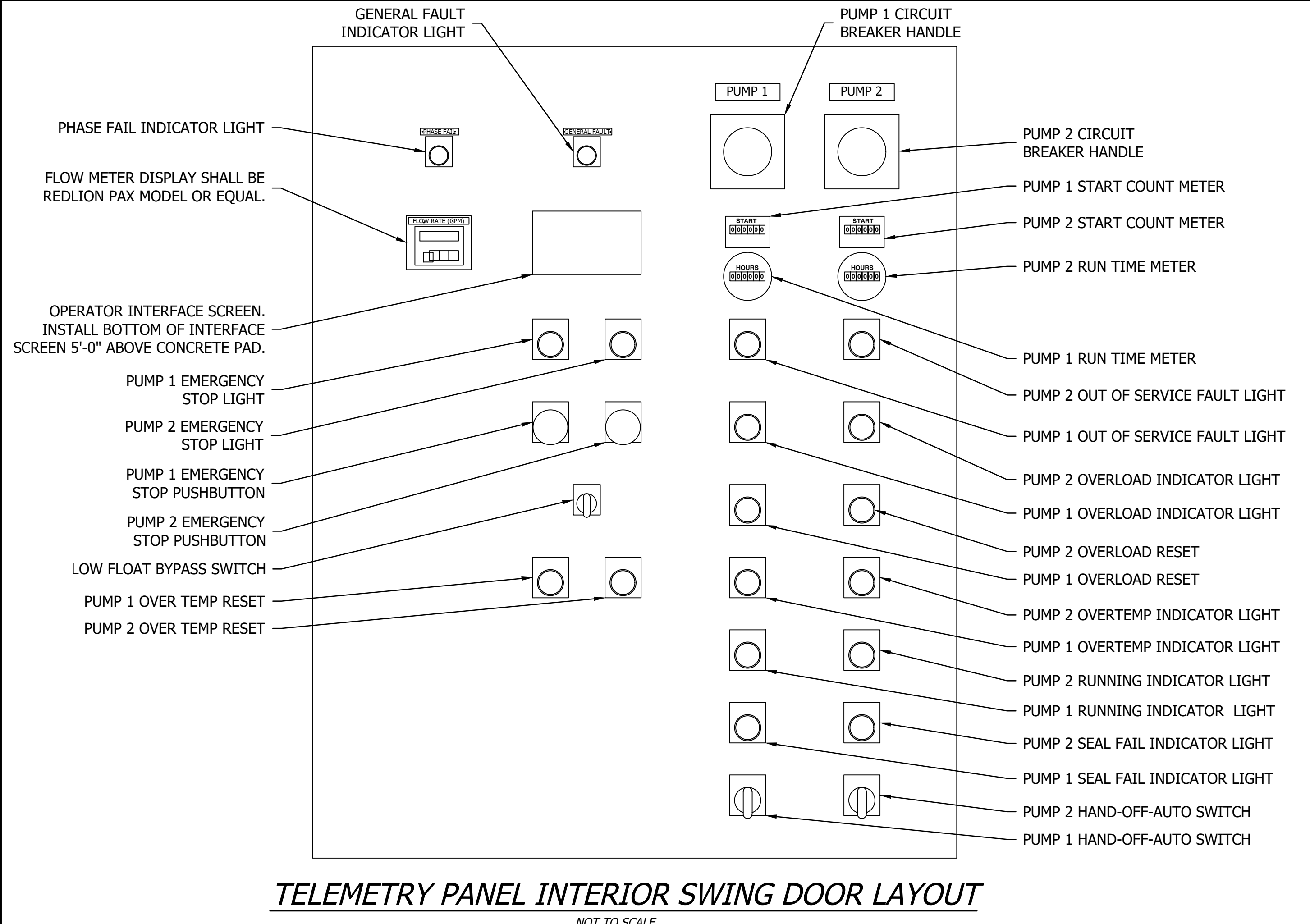
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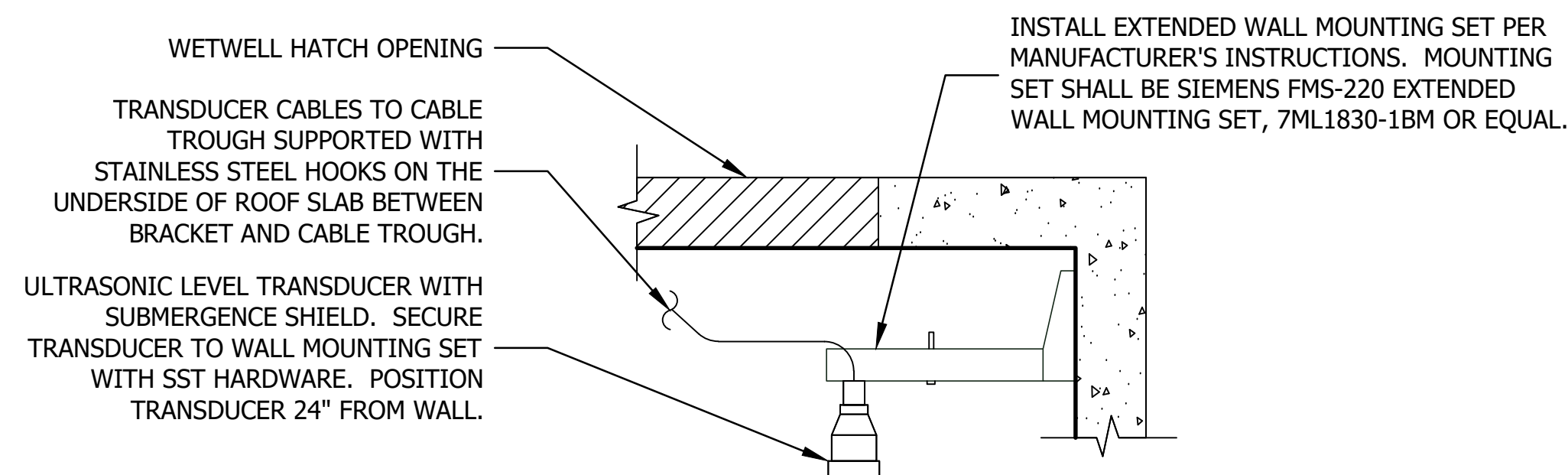
ELECTRICAL DETAILS



POWER CONDUIT AND CONDUCTOR SCHEDULE					
CIRCUIT	SOURCE	DESTINATION	TRADE SIZE	(QUANTITY) CONDUCTORS	NOTES
P101	EXISTING UTILITY METER	MAIN SERVICE DISCONNECT	1 1/4"	(3) - #3, (1) - #3 NEUTRAL	
P102	MAIN SERVICE DISCONNECT	PUMP CONTROL PANEL, "PCP"	1 1/4"	(3) - #3, (1) - #3 NEUTRAL, (1) - #8 GND	
P103	PUMP CONTROL PANEL, "PCP"	JUNCTION BOX, "JB"	3/4"	(3) - #12, (1) - #12 GND	PUMP POWER
P104	PUMP CONTROL PANEL, "PCP"	JUNCTION BOX, "JB"	3/4"	(3) - #12, (1) - #12 GND	PUMP POWER
P105	PUMP CONTROL PANEL, "PCP"	JUNCTION BOX, "JB"	3/4"	(6) - #14, (1) - #14 GND	PUMP SEAL FAILURE/OVERTEMP ALARM
P106	JUNCTION BOX, "JB"	PUMP 1	-	MANUFACTURER CABLE	IN CABLE TRENCH
P107	JUNCTION BOX, "JB"	PUMP 2	-	MANUFACTURER CABLE	IN CABLE TRENCH
P108	PUMP CONTROL PANEL, "PCP"	VALVE VAULT HEATER	3/4"	(2) - #12, (1) - #12 GND	
P109	PUMP CONTROL PANEL, "PCP"	VALVE VAULT LIGHT SWITCH	3/4"	(2) - #12, (1) - #12 GND	
P110	VALVE VAULT LIGHT SWITCH	VALVE VAULT LIGHT	3/4"	(2) - #12, (1) - #12 GND	

CONTROL CONDUIT AND CONDUCTOR SCHEDULE					
CIRCUIT	SOURCE	DESTINATION	TRADE SIZE	(QUANTITY) CONDUCTORS	NOTES
C101	PUMP CONTROL PANEL, "PCP"	JUNCTION BOX, "JB"	3/4"	(4) - #14, (1) - #14 GND	
C102	PUMP CONTROL PANEL, "PCP"	JUNCTION BOX, "JB"	3/4"	(1) SHIELDED TWISTED PAIR	
C103	JUNCTION BOX, "JB"	WET WELL HIGH LEVEL FLOAT	-	MANUFACTURER CABLE	IN CABLE TROUGH
C104	JUNCTION BOX, "JB"	WET WELL LOW LEVEL FLOAT	-	MANUFACTURER CABLE	IN CABLE TROUGH
C105	JUNCTION BOX, "JB"	WET WELL LEVEL TRANSDUCER	-	MANUFACTURER CABLE	IN CABLE TROUGH
C106	PUMP CONTROL PANEL, "PCP"	VALVE VAULT FLOW METER	1"	(4) - #14, (1) - #14 GND, (1) SHIELDED TWISTED PAIR	

LIGHTING FIXTURE SCHEDULE					
TYPE	DESCRIPTION	MANUFACTURER	MODEL NO.	LAMP QTY.*	LAMP CATALOG NO.
A1	LED LIGHT FIXTURE - 120VAC, 2' LONG, 47 WATT, 5000K COLOR TEMPERATURE, DIFFUSED OPAL UV-STABILIZED POLYCARBONATE VANDAL RESISTANT LENS, PLATINUM COLOR. CLASS 1, DIVISION 2 EXPLOSION PROOF HAZARDOUS LOCATION RATED.	FME LIGHTING OR EQUAL	TSWXP24 4LVDP	1	47 WATT

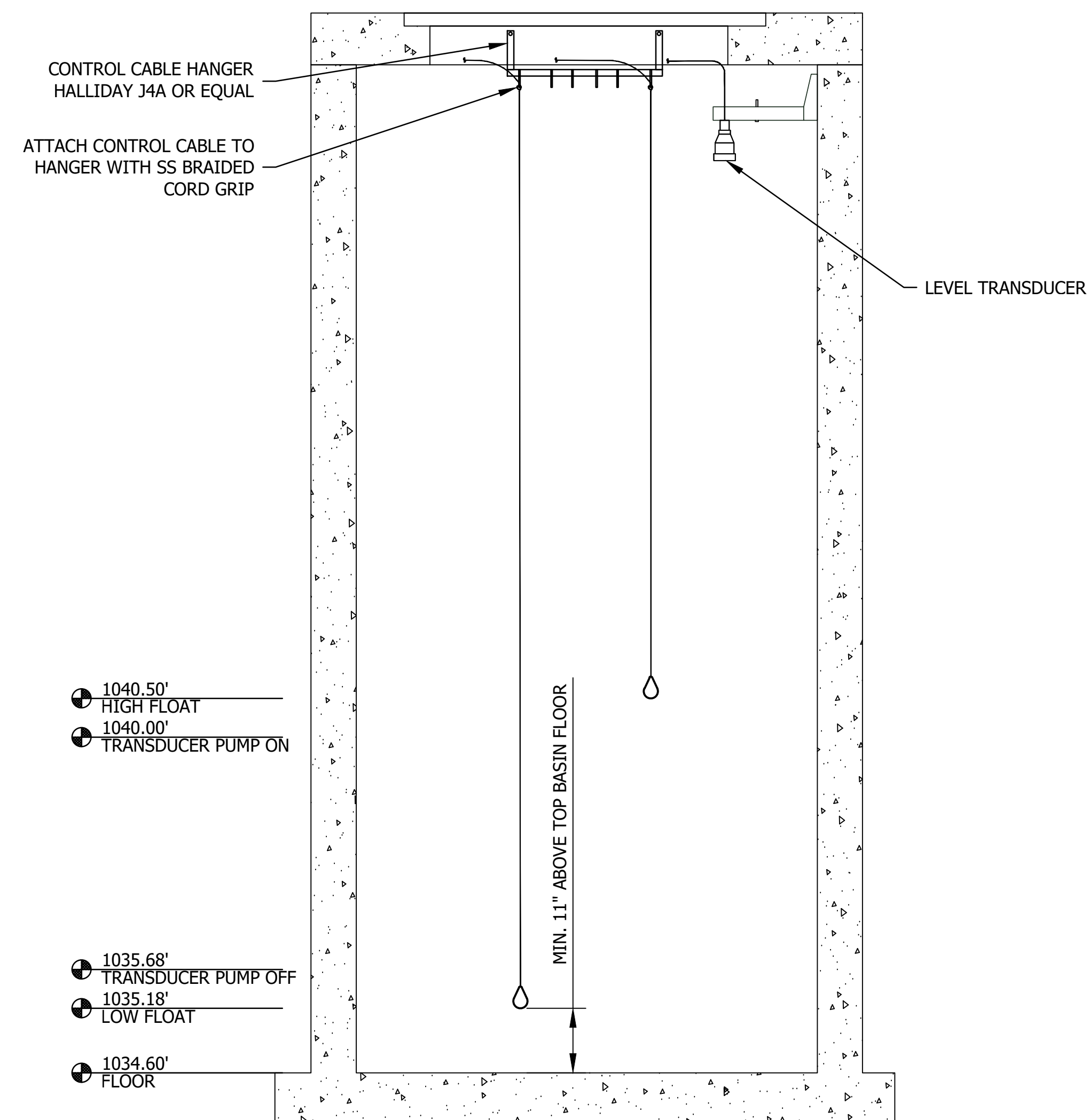


**WETWELL LEVEL TRANSDUCER DETAIL**

NOT TO SCALE

TYPICAL NOTE FOR WETWELL  
HIGH FLOAT AND PUMP ON LEVELS MAY BE ADJUSTED ONCE ACCURATE INVERT ELEVATIONS OF INCOMING PIPES HAVE BEEN ESTABLISHED. CONTRACTOR TO LEAVE 4' OF EXTRA CABLE FOR ADJUSTMENT.

ELECTRICAL EQUIPMENT AND INSTRUMENTATION SCHEDULE			
ITEM	DESCRIPTION	MANUFACTURER	MODEL NO.
(A)	SERVICE DISCONNECT, 600V, 25 KAIC, SERVICE ENTRANCE RATED, NEMA 3R, PAD-LOCKABLE	SQUARE D	VH363RB OR EQUAL
(B)	EXPLOSION-PROOF HEATER, 1 PHASE, 1800 WATT, 277V. WALL MOUNT HARDWARE, BUILT-IN THERMOSTAT	QMARK	ICG18071 OR EQUAL
(C)	WET WELL LEVEL FLOAT SWITCH	SEE SPECIFICATIONS	SEE SPECIFICATIONS
(D)	ULTRASONIC TRANSDUCER LEVEL TRANSMITTER	SEE SPECIFICATIONS	SEE SPECIFICATIONS
(E)	FLOW METER	SEE SPECIFICATIONS	SEE SPECIFICATIONS



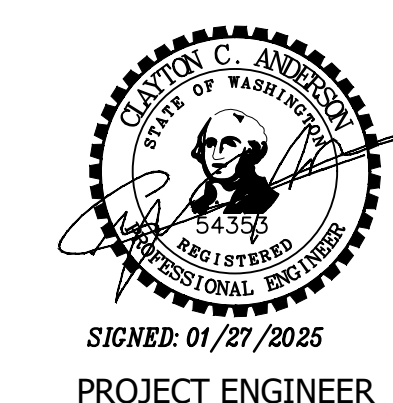
**FLOAT DETAIL**

NOT TO SCALE

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ELECTRICAL SCHEDULES

