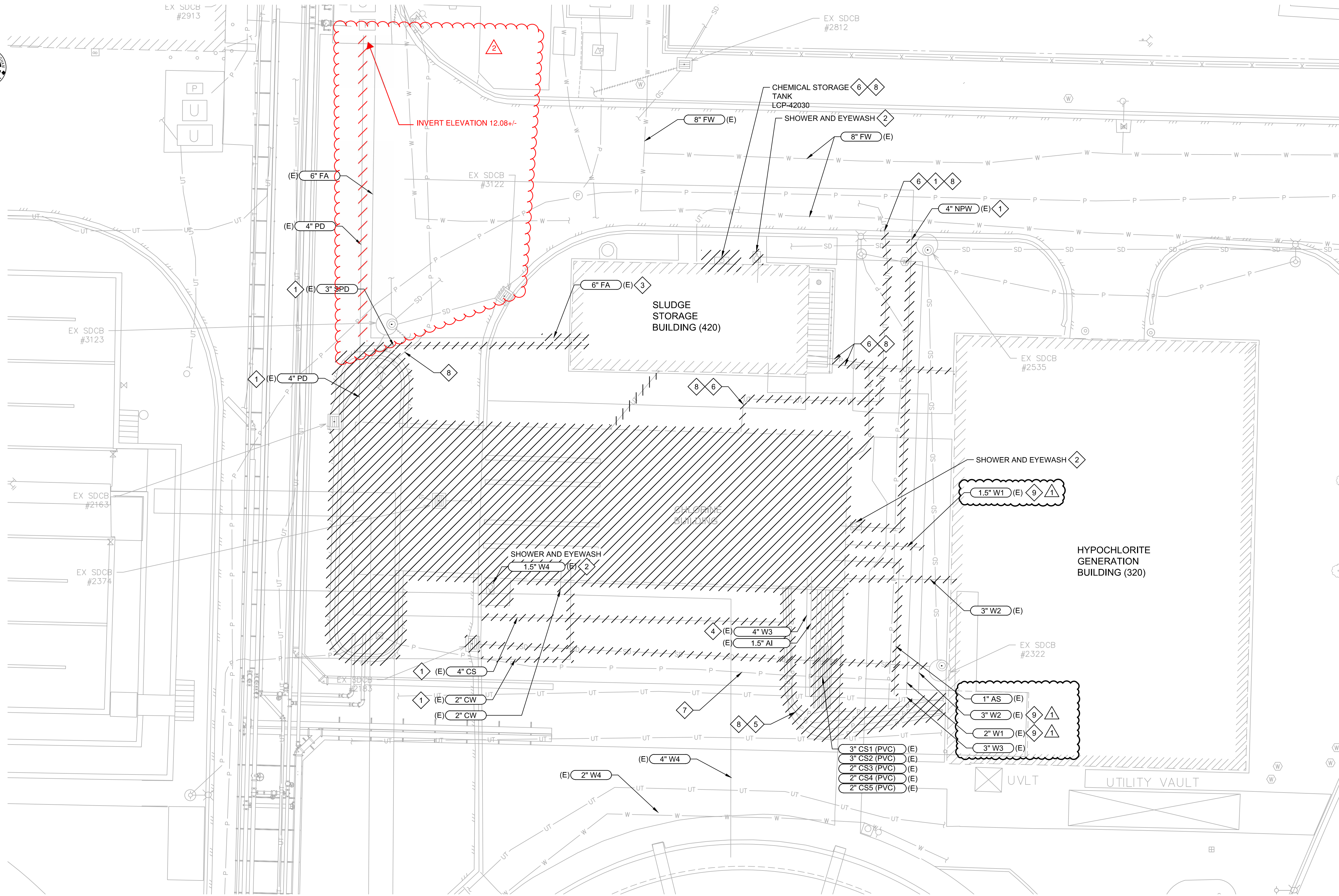


Plot Date: 10/9/2024 1:54:22 PM



GENERAL NOTES:

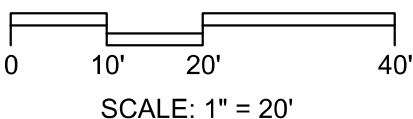
- CENTERLINE ELEVATIONS (CL) OF PIPES ARE SHOWN WITH +/- DUE TO UNCERTAINTY IN THE RECORD DRAWINGS AND SURVEY THAT THEY WERE GATHERED FROM. CONTRACTOR TO FIELD VERIFY.
- PIPE 12-INCH AND LESS SHALL BE FILLED WITH GROUT AND ABANDONED IN-PLACE UNLESS NEW WORK REQUIRES REMOVAL OF THE PIPE.
- ALL FEATURES NOT DESIGNATED TO BE DEMOLISHED MUST BE PROTECTED AND SUPPORTED AS NECESSARY TO MAINTAIN OPERATION.
- DRAWING INFORMATION IS BASED ON A COMBINATION OF RECORD DRAWINGS AND FIELD OBSERVATION. ACTUAL CONDITIONS MAY DIFFER. FIELD VERIFY LOCATIONS, ELEVATIONS, AND SIZE OF EXISTING ITEMS.

X KEY NOTES:

- UTILITY WILL BE DEMOLISHED UP TO THE ROAD AND CAPPED. PIPE MARKED AS DEMOLISHED IN ROADWAY MAY BE ABANDONED IN PLACE.
- CAP AND ABANDON IN PLACE YARD PIPING ASSOCIATED WITH SHOWER AND EYEWASH STATIONS.
- EXISTING 6" OA PIPE WILL BE PARTIALLY DEMOLISHED, STARTING AT THE SCRUBBER BUILDING WALL, EXTENDING APPROXIMATELY 6 FT INTO THE YARD. THIS DEMOLITION WILL ALLOW ADDITION OF NEW 6" OA PIPE SHOWN ON 30C102. CONTRACTOR TO FIELD VERIFY AND DEMO AS NEEDED.
- EXISTING 4" W3 PIPE WILL BE PARTIALLY DEMOLISHED IN THE YARD AND REUSED FOR PROCESS LINES SHOWN ON 30C102. CONTRACTOR TO FIELD VERIFY AND DEMO AS NEEDED.
- DEMOLISH EXISTING CONDUIT AND WIRES BETWEEN CHLORINE BUILDING (420) AND HYPOCHLORITE GENERATION BUILDING (320).
- EXISTING ELECTRICAL UTILITIES. COORDINATE DEMOLITION WITH ELECTRICAL SUBCONTRACTOR. FIELD VERIFY PRIOR TO DEMOLITION.
- PROTECT EXISTING ELECTRICAL INFRASTRUCTURE.
- CAP/PLUG CONDUIT IN YARD AND AT NEAREST LOCATION EXPOSED WITHIN STRUCTURE WHERE CONDUIT TERMINATES.
- POTABLE. VERIFY THAT CROSS CONTAMINATION AND NO PROHIBITED CONNECTIONS ARE MADE IN VIOLATION OF UPC602.



SCALE



Digitally signed by Matthew Sprick
Contact Info: Carollo Engineers, Inc.
Date: 2024.10.09 16:10:50-0700



	4				
	3				
10-6-26	2	ADDENDUM 2			MS
06-17-26	1	PERMIT REVISIONS			
Date	No	Revision			By

PROJECT ENGINEER MSS
DESIGNED/DRAWN MSS/SCR
INSPECTOR CC

DIRECTOR PUBLIC WORKS _____
CITY ENGINEER _____
ASSISTANT DIRECTOR _____

CITY OF BELLINGHAM, WASHINGTON
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

SCALE
Horiz. AS SHOWN
Vert. AS SHOWN

DATUM
H: NAD 83/98
V: NAVD 88

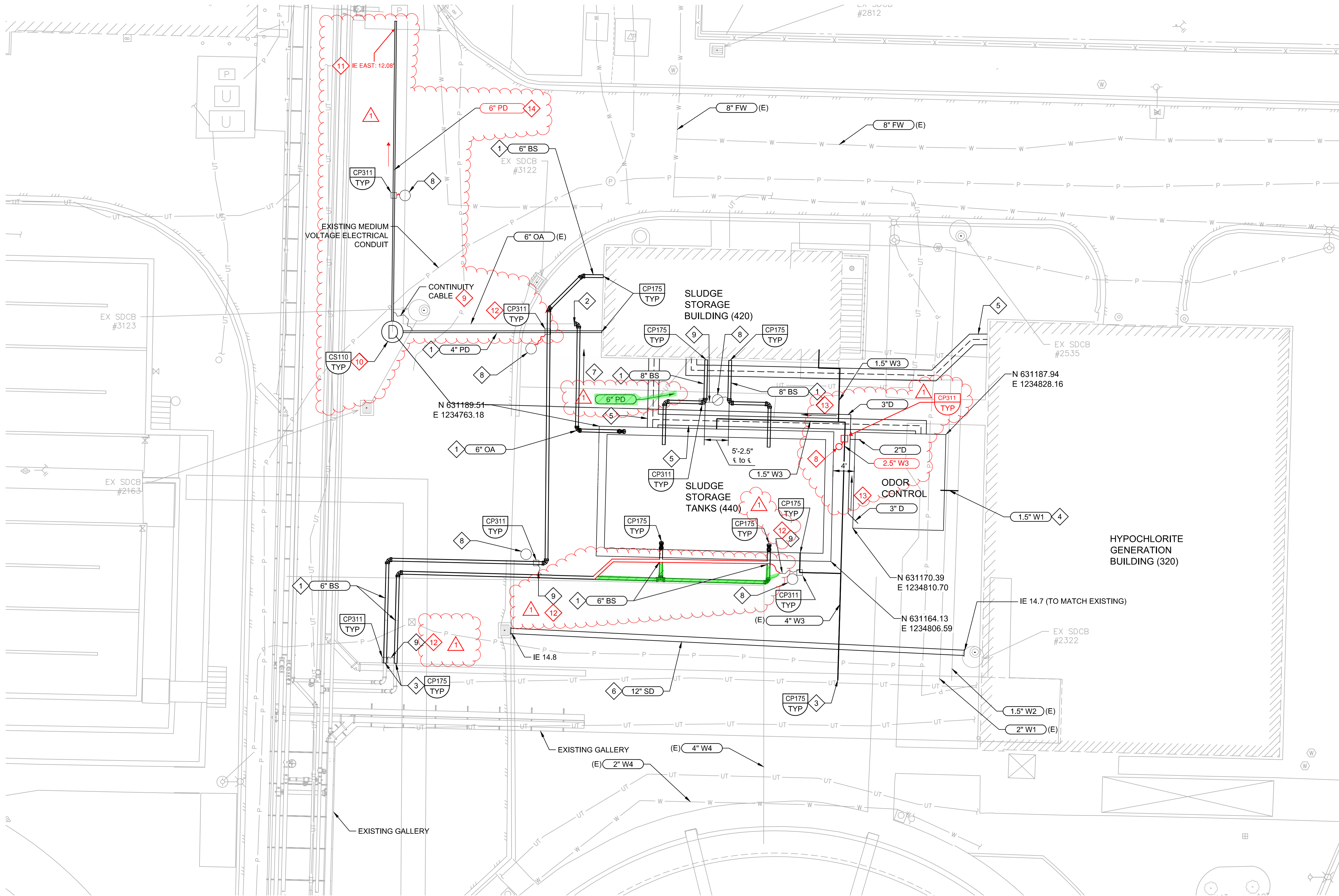
Job. No. EU194
Date JAN 2026
Field Bk. _____

POST POINT RESOURCE RECOVERY PLANT
CIVIL
YARD PIPING DEMOLITION PLAN

DRAWING NO. 030D101
SHEET NO. 11 OF 198

CONTACT PERSON: STEPHEN DAY, PE SE , PROJECT ENGINEER AT 360-778-7944

PROJECT NO. 202021-100000 FILE NAME: 202021010G102.dwg



YARD PIPING
B PLAN
SCALE: 1" = 10'
FILE: 202021030C102.DWG

GENERAL NOTES:

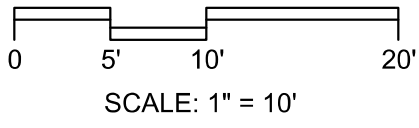
- ELEVATIONS OF PIPES ARE SHOWN WITH $\pm$ DUE TO UNCERTAINTY IN THE RECORD DRAWINGS AND SURVEY THAT THEY WERE GATHERED FROM. FIELD VERIFY PRIOR TO SUBMITTING SHOP DRAWINGS.
- CATHODIC PROTECTION NOTES:
A. DIP MUST BE JOINT BONDED PER CP150.
B. ENSURE DUCTILE IRON PIPES DO NOT COME IN CONTACT WITH REBAR.

KEY NOTES:

- INSTALL THE FIRST TWO MECHANICAL JOINTS FROM ALL STRUCTURE WALLS WITHIN 1' OF STRUCTURE AND AT 6' FROM FIRST JOINT. TYPICAL FOR EACH STRUCTURE.
- TRANSITION COUPLING FROM EXISTING 6" PVC PIPE TO NEW SST PIPE WILL BE REQUIRED TO RETROFIT EX-6" OA PIPE.
- PIPE CONTINUES IN GALLERY. SEE AREA 050 DRAWINGS FOR CONTINUATION.
- ROUTE TO ODOR CONTROL MAKEUP WATER SYSTEM AS NECESSARY.
- SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- REPLACE EXISTING 12-INCH STORM DRAIN PIPING WITH NEW. INVERT ELEVATION TO MATCH EXISTING.
- SLOPE PIPE DOWNWARD WITH MINIMUM 2% SLOPE IN DIRECTION INDICATED.
- ANODE CONNECTED TO TEST STATION.
- CONTINUITY BOND ACROSS PIPES USING EXOTHERMIC WELDING PER DETAIL CP102/TYP.
- MH-SST
INSTALL 48" DIAMETER MH
RIM EL: 17.00
INVERT EL NORTH (6" PD): 13.17'
INVERT EL EAST (4" PD): 13.67'
INVERT EL SOUTHEAST (3" D): 13.50'
INVERT EL FLOOR: 13.00'
- CORE-DRILL RAW SEWAGE PUMP STATION WALL FOR NEW PIPE. MAINTAIN EXISTING INVERT FOR DEMOLISHED 4-INCH PIPE. SEAL OPENING WITH LINK-TYPE SEAL PER DETAIL MP544/TYP.
- BOTH PIPES BONDED INTO TEST STATION.
- SLOPE PIPE DOWNWARD WITH MINIMUM 1.6% SLOPE IN DIRECTION INDICATED.
- SLOPE PIPE DOWNWARD WITH MINIMUM 1.9% SLOPE IN DIRECTION INDICATED.



SCALE



	4			
	3			
	2			
10-6-26	1	ADDENDUM 2	MS	
Date	No	Revision	By	

PROJECT ENGINEER _____
DESIGNED/DRAWN JJC
INSPECTOR _____

DIRECTOR PUBLIC WORKS _____
CITY ENGINEER _____
ASSISTANT DIRECTOR _____

CITY OF BELLINGHAM, WASHINGTON
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

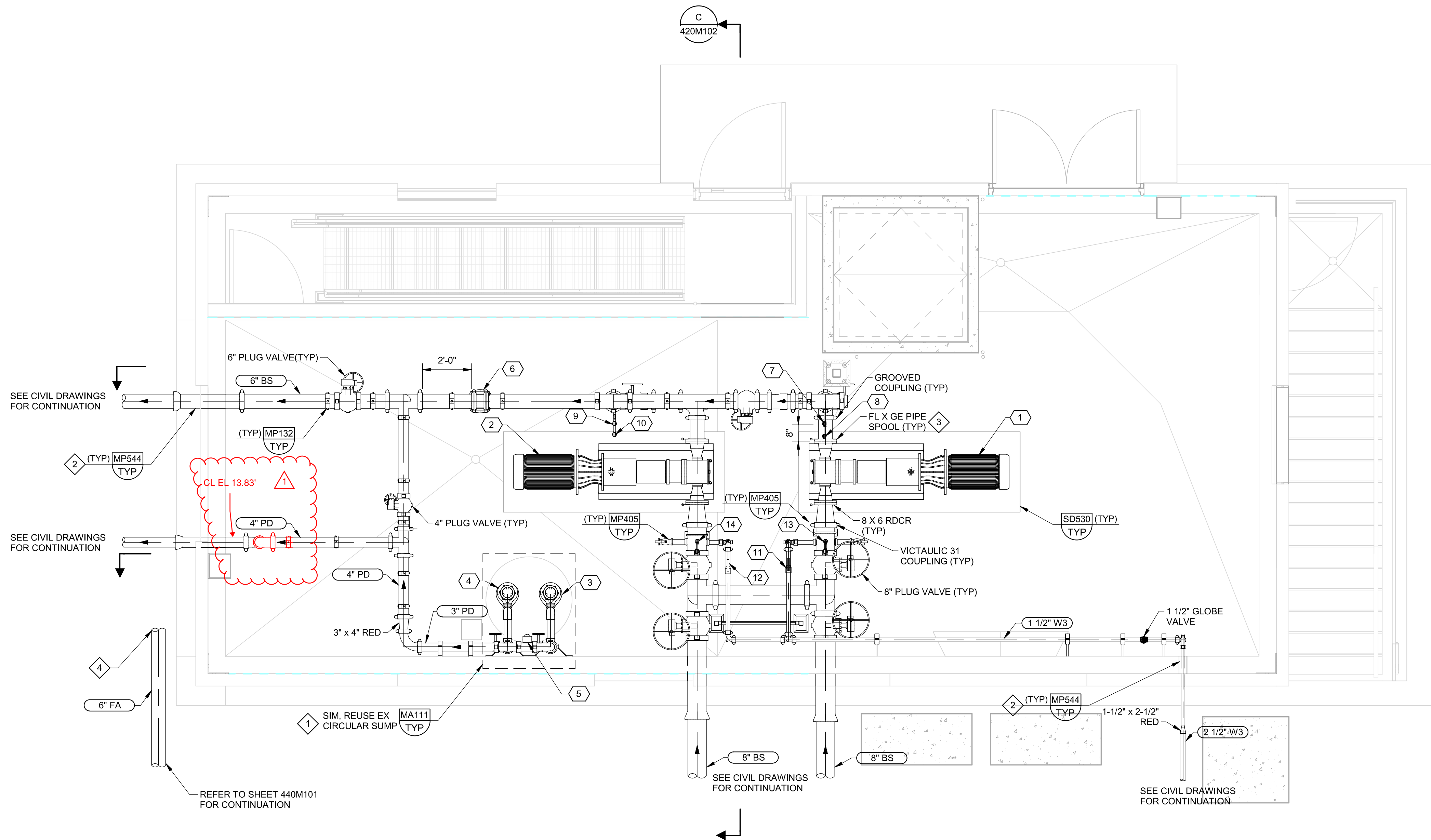
SCALE
Horizontal AS SHOWN
Vertical AS SHOWN

DATUM
H: NAD 83/98
V: NAVD 88

Job. No. EU194
Date JAN 2026
Field Bk. _____

POST POINT RESOURCE RECOVERY PLANT
CIVIL
YARD PIPING PLAN

DRAWING NO. 030C102
SHEET NO. 38 OF 198



A PLAN
SCALE: 3/8" = 1'-0"

GENERAL NOTES:

- ALL 90 DEGREE ELBOWS ON BLENDED SLUDGE AND PRIMARY SLUDGE PIPING SHALL BE LONG RADIUS

KEY NOTES:

- FIELD MEASURE EXISTING SUMP AND CONFIRM PROPOSED PUMPS WILL FIT INTO THE EXISTING SUMP. SUBMIT MEASUREMENTS IN PUMP SUBMITTAL FOR ENGINEER APPROVAL.
- CORE-DRILL THROUGH WALL. LOCATE CORE DRILL SUCH THAT ONLY A MAXIMUM OF ONE REINFORCEMENT BAR IN EACH DIRECTION IS DAMAGED. LINK-SEAL AROUND PIPE.
- INSTALL FLANGE/GE SPOOL ON DISCHARGE AND SUCTION SIDE OF PUMP TO ALLOW FOR PUMP REMOVAL.
- TIE INTO EXISTING PVC ODOR CONTROL PIPING IN APPROXIMATE LOCATION. INSTALL PVC VANSTONE FLANGE ON EXISTING PIPE AND CONNECT TO NEW FRP CIRCULAR DUCT WITH EXPANSION JOINT.

KEY TAGS:

1	P-42001	SLUDGE STORAGE PUMP 1
2	P-42002	SLUDGE STORAGE PUMP 2
3	P-42010	SLUDGE STORAGE SUMP PUMP 1
4	P-42011	SLUDGE STORAGE SUMP PUMP 2
5	LE-42010	LEVEL FLOAT SWITCHES
6	FE-42003	MAGNETIC FLOW METER
7	PE1-42002	PRESSURE SWITCH HIGH
8	PE2-42002	PRESSURE TRANSDUCER
9	PE1-42005	PRESSURE SWITCH HIGH
10	PE2-42005	PRESSURE TRANSDUCER
11	SV-42001	SOLENOID VALVE
12	SV-42002	SOLENOID VALVE
13	PE-42001	PRESSURE SWITCH LOW
14	PE-42004	PRESSURE SWITCH LOW



Date	No	Revision	By
10-6-26	ADDENDUM 2		MS

PROJECT ENGINEER MSS
DESIGNED/DRAWN NJ/DJL
INSPECTOR CC

DIRECTOR PUBLIC WORKS MAO
CITY ENGINEER MLW
ASSISTANT DIRECTOR MAO

CITY OF BELLINGHAM, WASHINGTON
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

SCALE
Horiz. AS SHOWN
Vert. AS SHOWN

DATUM
H: NAD 83/98
V: NAVD 88

Job. No. EU194
Date JAN 2026
Field Bk.

POST POINT RESOURCE RECOVERY PLANT
MECHANICAL
SLUDGE STORAGE BUILDING LOWER LEVEL PLAN

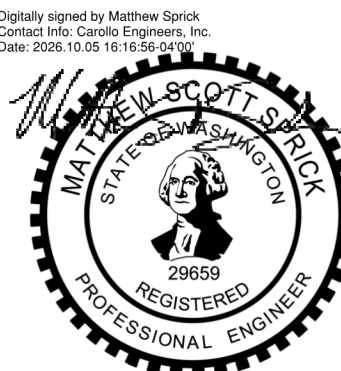
DRAWING NO. 420M101
SHEET NO. 69 OF 198

VERIFY SCALES

BAR IS ONE INCH ON ORIGINAL DRAWING

0 1"

IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY



PLOT DATE: 6/25/2026 1:09:06 PM

CONTACT PERSON: STEPHEN DAY, PE SE

PROJECT ENGINEER AT 360-778-7944

FILE NAME: Autodesk Docs://Bellingham 202021-100000 Primary Sludge Tank Replacement/202021420M9801.rvt