

ADDENDUM NO. 1

TO THE INVITATION TO BID DOCUMENTS FOR Barnett Pump Station

May 6, 2025

This addendum provides changes to the Contract Documents for the above-titled Project to be considered by each Bidder. This addendum shall be included with the Bid and, when executing the Contract, will be part thereof. Any changes to the Contract Documents made by this addendum shall become a part of the Contract Documents, and all unchanged items shall remain in full force. It is the responsibility of all Bidders to conform to this addendum.

QUESTIONS AND CLARIFICATIONS

Item No.	Question	Response or Clarification
1-01	The drawings are calling for precast sill spec section 03 4000 at the top of the CMU Veneer , I am unable to locate that section, can you provide direction.	See revised sheet A12 for clarification.
1-02	Spec calls for 1/4" tempered glass. A16 calls for security glazing. Please provide further clarification on security glazing requirements, or standard safety glass will be assumed.	See revised sheet A16 for clarification.
1-03	Will any domestic material requirements be needed on this project?	Barnett Pump Station Supplementary Information, Water Facility Standards, Section IV – Standard Specifications IIA – Pipe and Fittings, B-0 Ductile Iron Pipe General, Pg. 2 of 18, paragraph 8 states “The ductile iron pipe manufacturer and supplier shall certify that pipe shipments comply with provisions of the Buy American Act as contained in the Supplemental Provisions of the specifications of the Bureau of Reclamation”. The intent is that all ductile iron pipe, fittings, and appurtenances be domestically manufactured.
1-04	Does the section only refer to trade permits and the owner will handle the building permit?	Medford Water will provide all City of Medford Building Permits.
1-05	Detail 109 appears to be missing from the drawing set. Please provide	The thrust block detail 109 is Detail 3 on Sheet C09.

Item No.	Question	Response or Clarification
1-06	Detail 2 on Sheet C07, shows 12" tall by 6" wide concrete curb. Is the intention for this curb to be poured separate or monolithically with the sidewalk? Typically if poured monolithically, the thickened section of curb would taper at a 1:1 ratio from bottom of curb to bottom of sidewalk. Please clarify.	Install the curb first, separate from the sidewalk.
1-07	Detail 2 does not specify the thickness for exterior sidewalk.	Typical sidewalk thickness is 4". See revised 2/C07.
1-08	Will the transformer pad be provided by PacifiCorp?	The transformer vault is to be provided by the Contractor. Transformer vault must conform to PacifiCorp material requirements. Key Note 1 on E03 refers to specification section 26 00 05 for PacifiCorp Installation requirements. 26 00 05 3.10 Attachments: A. Pacific Power Details and Standards is included after page 14.
1-09	Who is providing the radio tower?	The radio tower is being deleted from the bid documents. See revised drawing sheets.
1-10	If contractor is to provide and install radio tower, what is tower height and what should contractor assume for a slab depth and size?	The radio tower is being deleted from the bid documents. See revised drawing sheets.
1-11	Structural note, Sheet S02 states 3000psi concrete for "All Uses, unless noted otherwise." Specification section 03 30 00 shows 3 mix designs: Type A -4500psi for hydraulic structures Type B - 3500psi for structural foundations, slabs, sidewalks, curbs, fence/sign posts Type C - 3000psi for thrust blocks, reinforced concrete pavement, fill concrete. Please confirm that the specification governs in this instance.	The specification section govern.

Item No.	Question	Response or Clarification
1-12	Section 1.04.B.1. states to "coordinate and pay for demonstration and training sessions by the grout manufacturer where pre-installation demonstration and training is indicated in the grout schedule before grout installation is started." The grout schedule (3.07.A.) does not specifically identify which types of grouts require pre-installation demonstrations. Please clarify.	Provide demonstration and training sessions for Pressure Grout. Other grout types do not require demonstration and training sessions.
1-13	Specification section 40 05 19, 2.01, C calls for all buried ductile iron pipe to be Class 52 minimum. Plan sheets C04, C05, M01 and M02 call for class 50 ductile iron pipe. Which will be required class 50 or class 52?	Barnett Pump Station Supplementary Information, Water Facility Standards, Section IV – Standard Specifications IIA – Pipe and Fittings, B-3 Ductile Iron Pipe generally states all pipe 12" diameter and smaller to be Class 52, 14" diameter and larger to be Class 50. Follow these requirements when providing ductile iron pipe.
1-14	Specification section 40 05 19, 2.01, E, 1, a calls for US Pipe Field Lok 350 gaskets. Your standard specs call for US Pipe TR Flex or HDSS pipe. Are the pipe bell joint restraints either HDSS or Field Lok gaskets?	Field Lok gaskets are not an allowable method of restraint. Provide US Pipe TR Flex or HDSS pipe.
1-15	Plan sheet M01 at the suction header has 3 each 16" mj butterfly valves connection to a restrained flange coupling adapter. An Mj and a flange will not connect together. Did you want an MJ x FI butterfly valve or how is this configuration supposed to connect together?	See revised sheet M01 and M02 for direction. The restrained flange coupling adapter is deleted.
1-16	The restrained flange coupling adapter shown on sheet M03 in the meter vault. This is between 2 flanges on the ductile spools. Is this supposed to be a dismantling joint?	Provide Item 22 as shown in the Bid Documents. Final determination regarding configuration will be determined upon product submittal.
1-17	I had a question from a valve manufacturer about the actuated butterfly valves. They need to know the system water pressure.	Water system pressure will not normally exceed 150 psi.

ADDENDUM ITEMS

Item No.	Specification or Drawing Number	Description of Change
1-18	26 00 25 2.07 UNINTERRUPTABLE POWER SUPPLY	Remove this section entirely.
1-19	40 05 19 2.01 E. 1. a.	Remove: , restraint gaskets (U.S. Pipe Field Lok 350 with Tyton pipe, Fast-Grip with Fastite pipe. or equal). Replace with: Use U.S. Pipe TR Flex or HDSS pipe, or approved equal.
1-20	40 61 13 1.05 D. 1. c.	Remove this section entirely.
1-21	40 67 17 2.03 C. 2.	Add: b. Uninterruptable Power Supply to provide 4 hours continuous run time. Materials to be as follows: (1) 1 QTY - Phoenix Contact item 2320283, 120VAC, 900W, 1000VA, QUINT4 UPS/1AC/1AC/1KVA (2) 2 QTY – Phoenix Contact item 1474660, UPS Battery, 110Ah, UPS-BAT/PB/24DC/110AH
1-22	40 70 00 2.02 D.	Remove this section entirely.
1-23	40 78 00 2.19 D.	Remove this section entirely.
1-24	C02 C03 C04 C07	Replace these drawings with the revised drawings that are attached to this addendum. Revisions to these sheets are clouded. Communication Tower concrete slab removed. Typical sidewalk thickness clarified.
1-25	S05	Replace this drawing with the revised drawing attached to this addendum. Revisions to the sheet are clouded. Addition of the pump base detail.
1-26	A12 A16	Replace this drawing with the revised drawing attached to this addendum. Revisions to the sheet are clouded. Door hardware schedule and door glass clarification have been added.
1-27	L03 L06	Replace these drawings with the revised drawings that are attached to this addendum. Revisions to these sheets are clouded. Communication Tower concrete slab removed.
1-28	M01 M02	Replace these drawings with the revised drawings that are attached to this addendum. Revisions to these sheets are clouded. Removed RFCA from piping.
1-29	P02	Replace this drawing with the revised drawing attached to this addendum. Revisions to the sheet are clouded. Removed heat trace reference.

Item No.	Specification or Drawing Number	Description of Change
1-30	E03 E04 E05 E06 E07 E09 E10	Replace these drawings with the revised drawings that are attached to this addendum. Revisions to these sheets are clouded. Communication Tower and Heat Trace references have been removed. UPS references have been changed.
1-31	I03 I04 I06 I07	Replace this drawing with the revised drawing attached to this addendum. Revisions to the sheet are clouded. Communication Tower reference has been removed. UPS references have been changed.

ACKNOWLEDGEMENT: All Bidders shall acknowledge receipt and acceptance of this Addendum on the Bid Form. Bids submitted without acknowledgment may be considered informal.

End of Addendum No. 1

BOARD OF WATER COMMISSIONERS
CITY OF MEDFORD, OREGON

By:  _____
Brad Taylor, General Manager

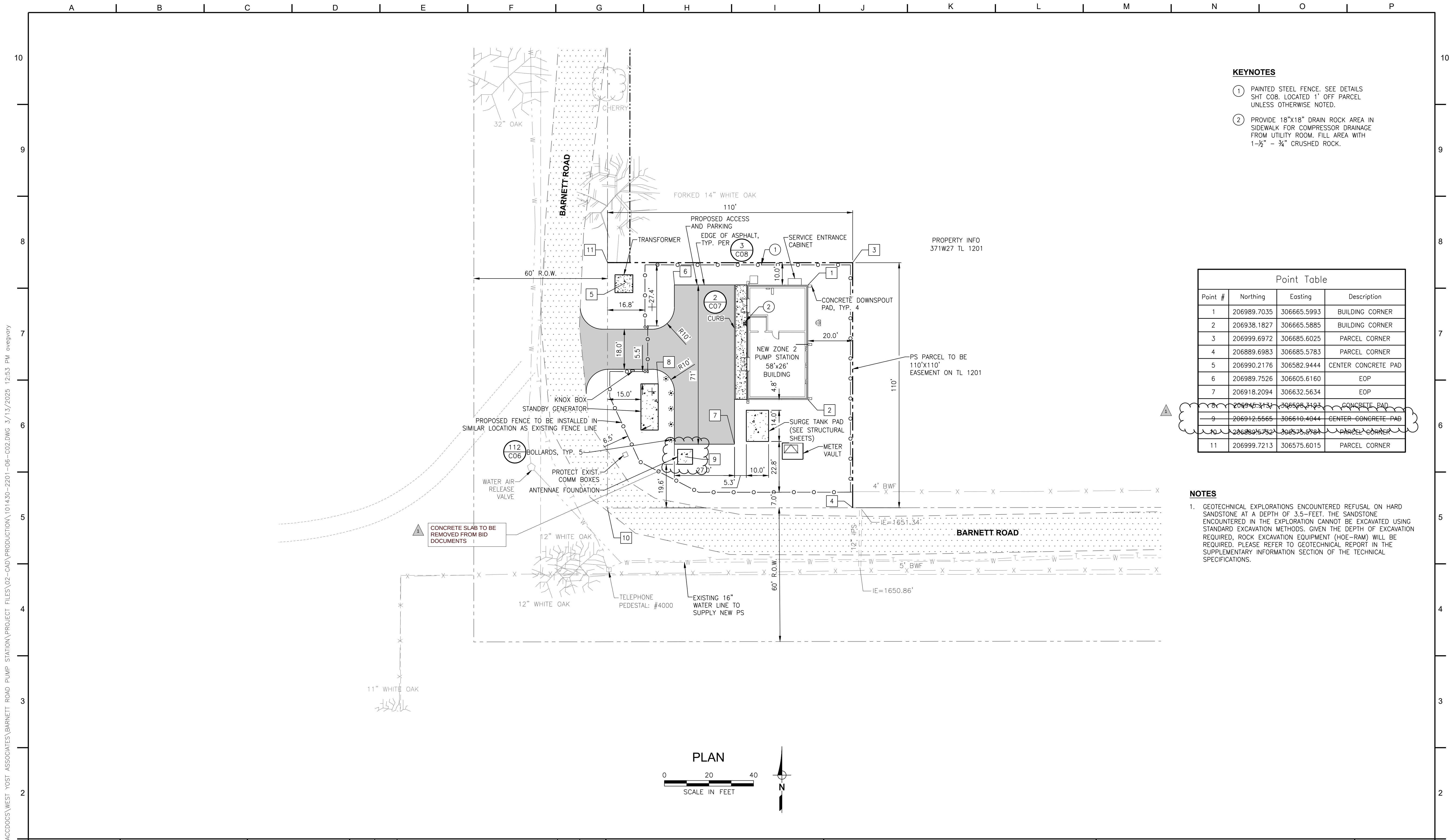
Receipt acknowledged and conditions agreed to this 6th day of May, 2025.

Bidder: _____

By: _____
(Signature)

(Print Name)

C:\USERS\OVEGARY\DC\ACCDOS\WEST YOST ASSOCIATES\BARNETT ROAD PUMP STATION\PROJECT FILES\02-CAD\PRODUCTION\101430-2201-06-C02.DWG 3/13/2025 12:53 PM ovegary



KEYNOTES

- 1 PAINTED STEEL FENCE. SEE DETAILS SHT C08. LOCATED 1' OFF PARCEL UNLESS OTHERWISE NOTED.
- 2 PROVIDE 18"x18" DRAIN ROCK AREA IN SIDEWALK FOR COMPRESSOR DRAINAGE FROM UTILITY ROOM. FILL AREA WITH 1-1/2" - 3/4" CRUSHED ROCK.

Point Table

Point #	Northing	Easting	Description
1	206989.7035	306665.5993	BUILDING CORNER
2	206938.1827	306665.5885	BUILDING CORNER
3	206999.6972	306685.6025	PARCEL CORNER
4	206889.6983	306685.5783	PARCEL CORNER
5	206990.2176	306582.9444	CENTER CONCRETE PAD
6	206989.7526	306605.6160	EOP
7	206918.2094	306632.5634	EOP
8	206946.3131	306508.4193	CONCRETE PAD
9	206912.5565	306610.4044	CENTER CONCRETE PAD
10	206899.5732	306575.9783	PARCEL CORNER
11	206999.7213	306575.6015	PARCEL CORNER

NOTES

1. GEOTECHNICAL EXPLORATIONS ENCOUNTERED REFUSAL ON HARD SANDSTONE AT A DEPTH OF 3.5- FEET. THE SANDSTONE ENCOUNTERED IN THE EXPLORATION CANNOT BE EXCAVATED USING STANDARD EXCAVATION METHODS. GIVEN THE DEPTH OF EXCAVATION REQUIRED, ROCK EXCAVATION EQUIPMENT (HOE-RAM) WILL BE REQUIRED. PLEASE REFER TO GEOTECHNICAL REPORT IN THE SUPPLEMENTARY INFORMATION SECTION OF THE TECHNICAL SPECIFICATIONS.



QC REVIEW: CRP
DATE: 3/12/25

THIS LINE IS 1 INCH
AT FULL SCALE IF
NOT SCALE ACCORDINGLY

SCALE : AS SHOWN
DRAWN BY : OMV
DESIGNED BY : KME
PROJ. MGR. : DAM

1		ADDENDUM 1	A.H.	5/1/25
No.	ZONE	REVISIONS	BY	DATE

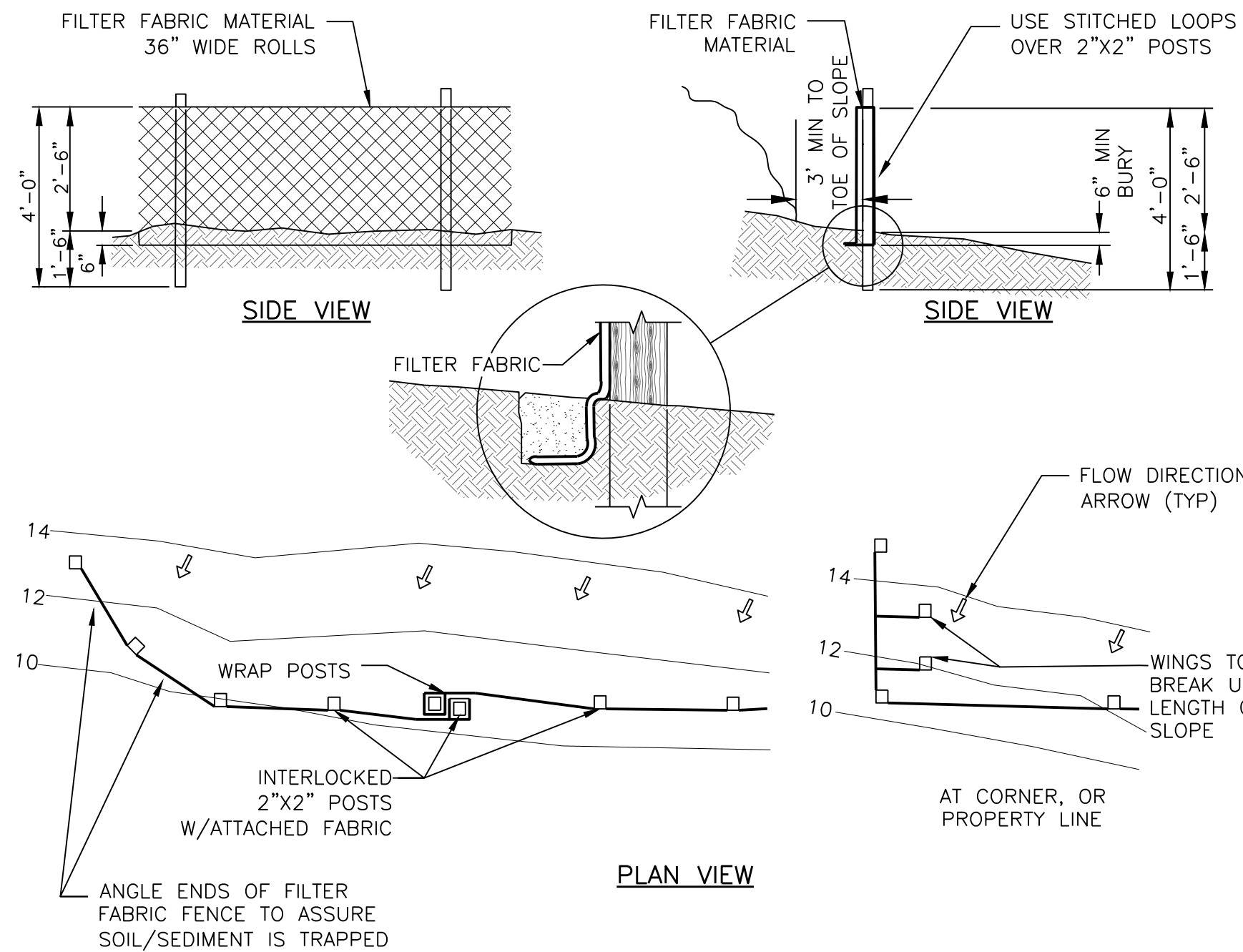
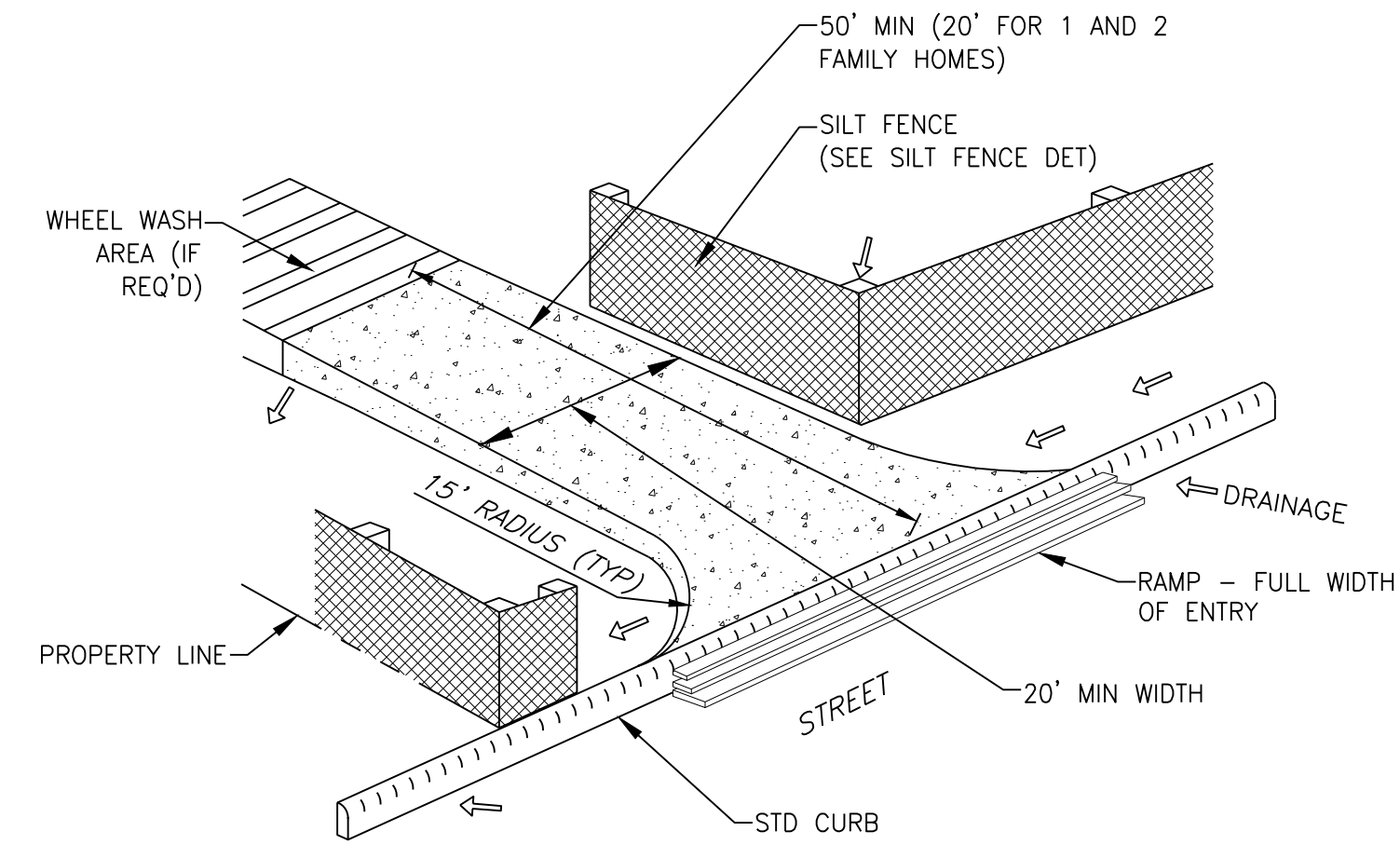
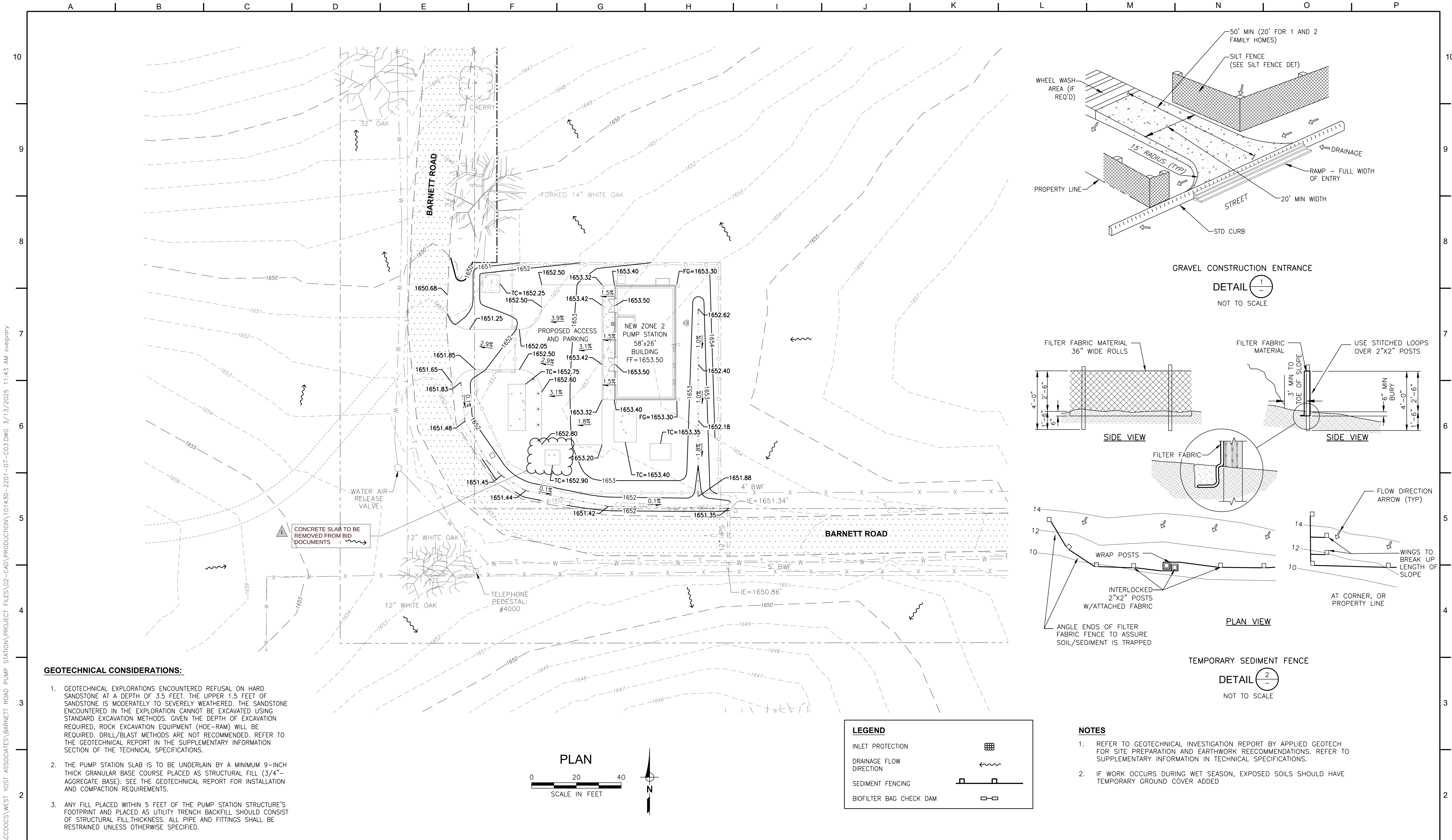


**MEDFORD WATER COMMISION
ZONE 2 PUMP STATION**

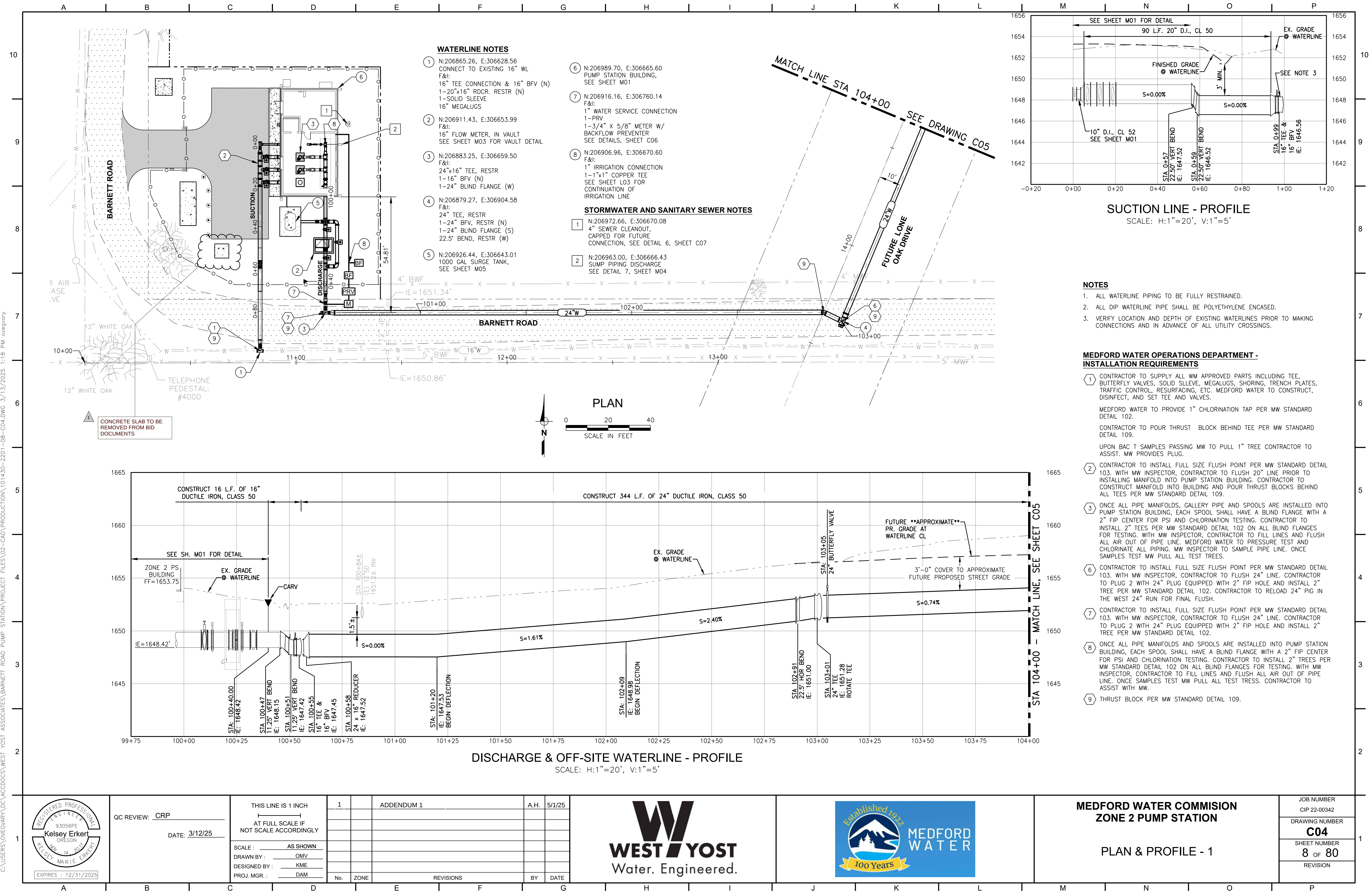
SITE PLAN

JOB NUMBER
CIP 22-00342
DRAWING NUMBER
C02
SHEET NUMBER
6 OF 80
REVISION

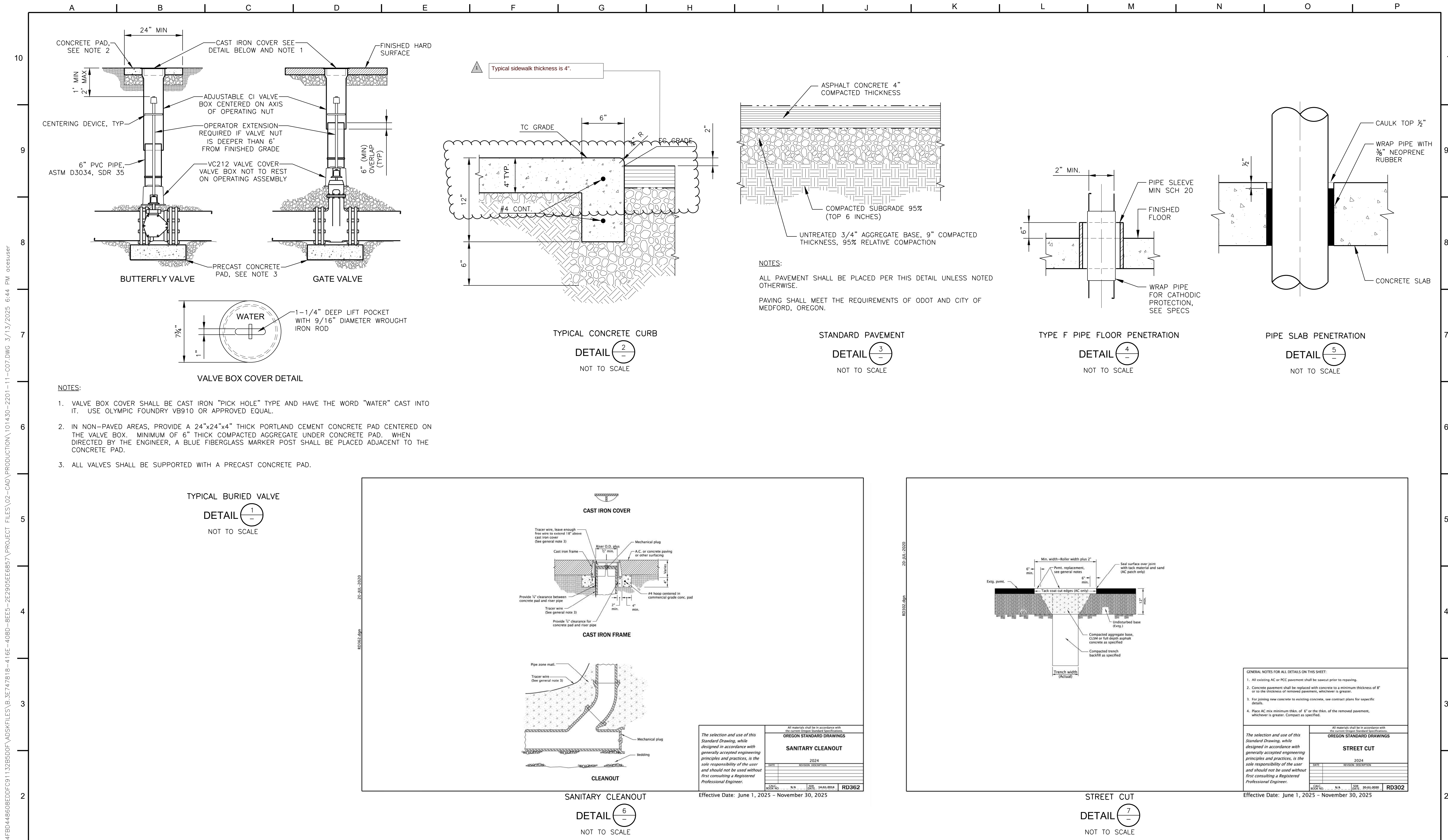
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1		QC REVIEW: CRP DATE: 3/12/25	THIS LINE IS 1 INCH AT FULL SCALE IF NOT SCALE ACCORDINGLY SCALE: AS SHOWN DRAWN BY: OMY DESIGNED BY: KME PROJ. MGR.: DAM	1	ADDENDUM 1	A.H.	5/1/25			MEDFORD WATER COMMISSION ZONE 2 PUMP STATION SITE GRADING PLAN	JOB NUMBER CIP 22-00342
											DRAWING NUMBER C03
											SHEET NUMBER 7 OF 80
				No.	ZONE	REVISIONS	BY	DATE			REVISION



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REGISTERED PROFESSIONAL ENGINEER

79697PE

Daphne Marcyan

OREGON

JULY 10, 2007

DAPHNE ANNE MARCYAN

EXPIRES : 12/31/2026

QC REVIEW: CRP

DATE: 3/12/25

THIS LINE IS 1 INCH
AT FULL SCALE IF
NOT SCALE ACCORDINGLY

SCALE : AS SHOWN

DRAWN BY : OMV

DESIGNED BY : DAM

PROJ. MGR. : DAM

1		ADDENDUM 1	A.H.	5/6/25
No.	ZONE	REVISIONS	BY	DATE

W

WEST YOST

Water. Engineered.

Established 1922

MEDFORD WATER

100 Years

MEDFORD WATER COMMISION

ZONE 2 PUMP STATION

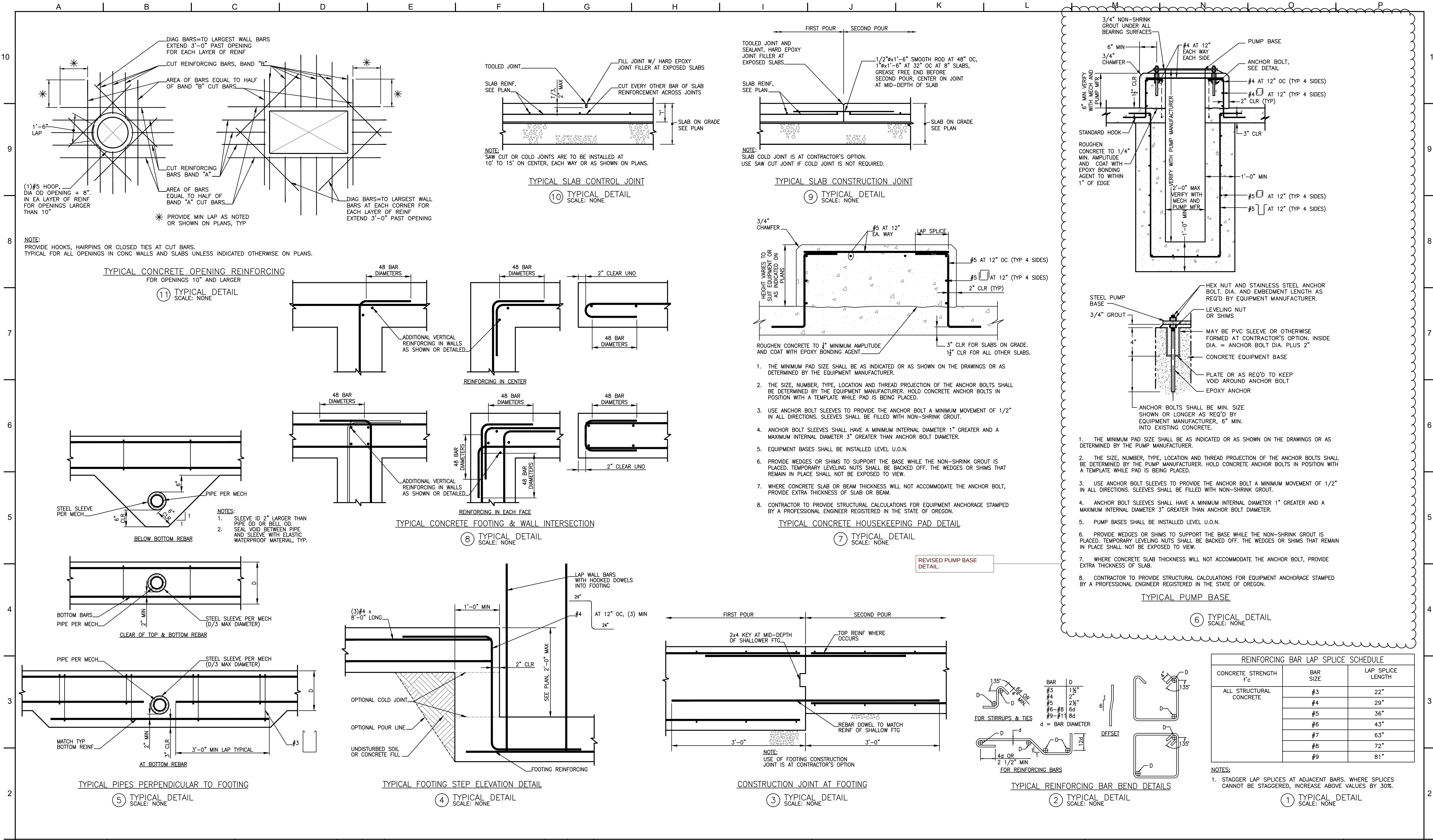
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JOB NUMBER
CIP 22-00342

DRAWING NUMBER
C07

SHEET NUMBER
11 OF 80

REVISION



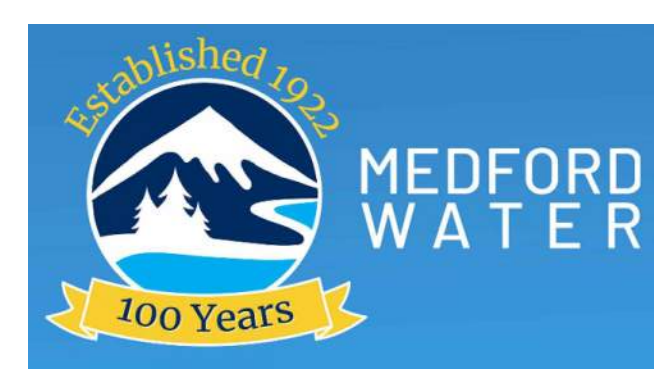
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DATE: _____

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AT FULL SCALE IF
NOT SCALE ACCORDINGLY

SCALE: AS SHOWN

DRAWN BY: ATG
DESIGNED BY: ATG
PROJ. MGR.: DAM

1		ADDENDUM 1	A.H.	5/6/25
No.	ZONE	REVISIONS	BY	DATE



MEDFORD WATER COMMISION
ZONE 2 PUMP STATION

TYPICAL CONCRETE DETAILS

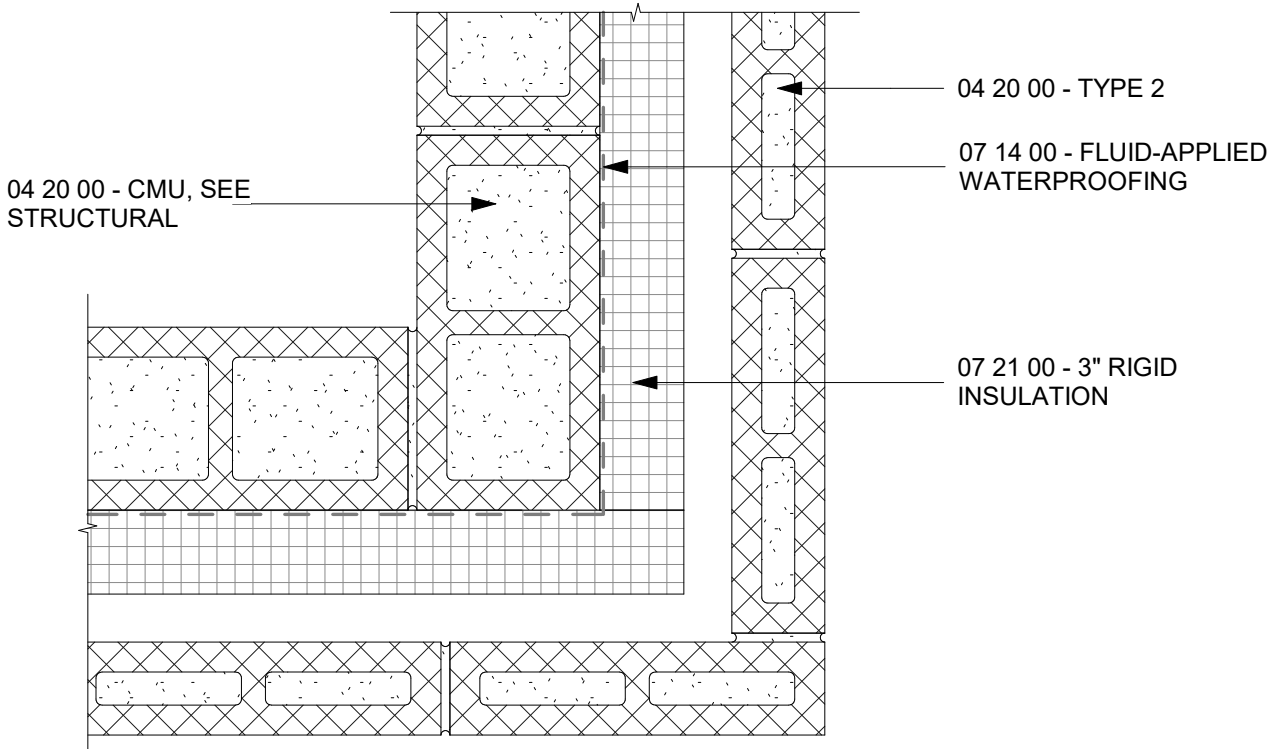
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DRAWING NUMBER S05
SHEET NUMBER 18 OF 80
REVISION

Z:\PROJECTS\24-022 Medford Water Commission\1 Drawings\01 REVIT\Barnett-PS_R23LT - Architectural.rvt
PLOT DATE: 3/9/2025 2:01:12 PM

EXT - CMU (40UT) AT OUTSIDE CORNER

1 1/2" = 1'-0"

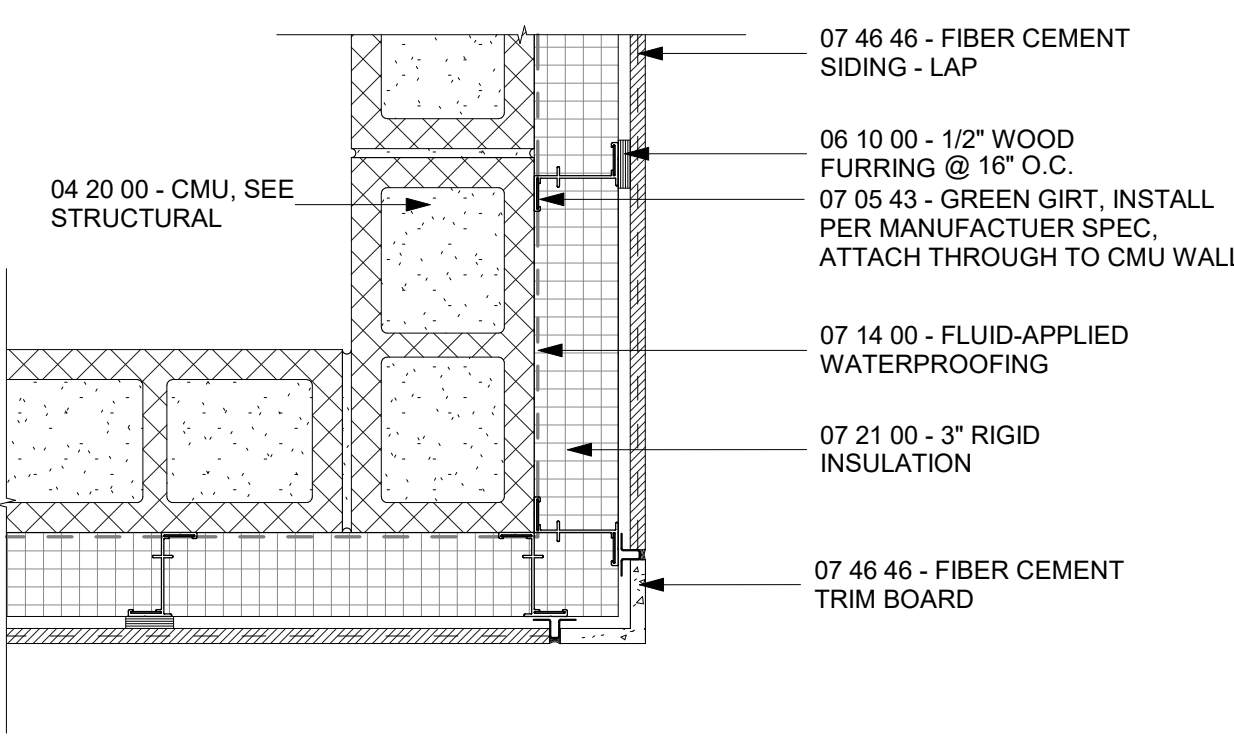
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EXT - CMU (41UT) AT OUTSIDE CORNER

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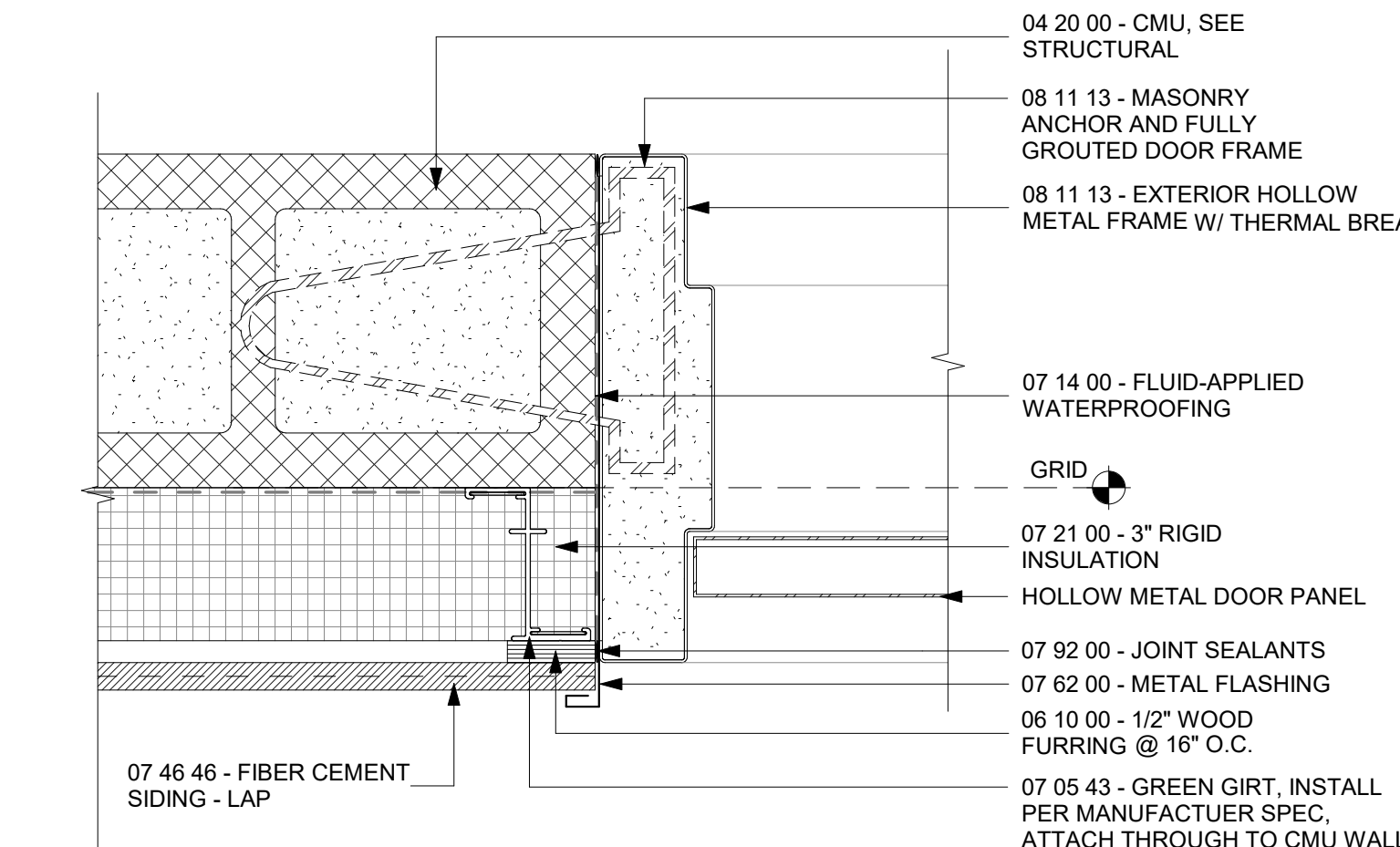
4



EXT - HM DOOR HEAD AT CMU (41UT)

3" = 1'-0"

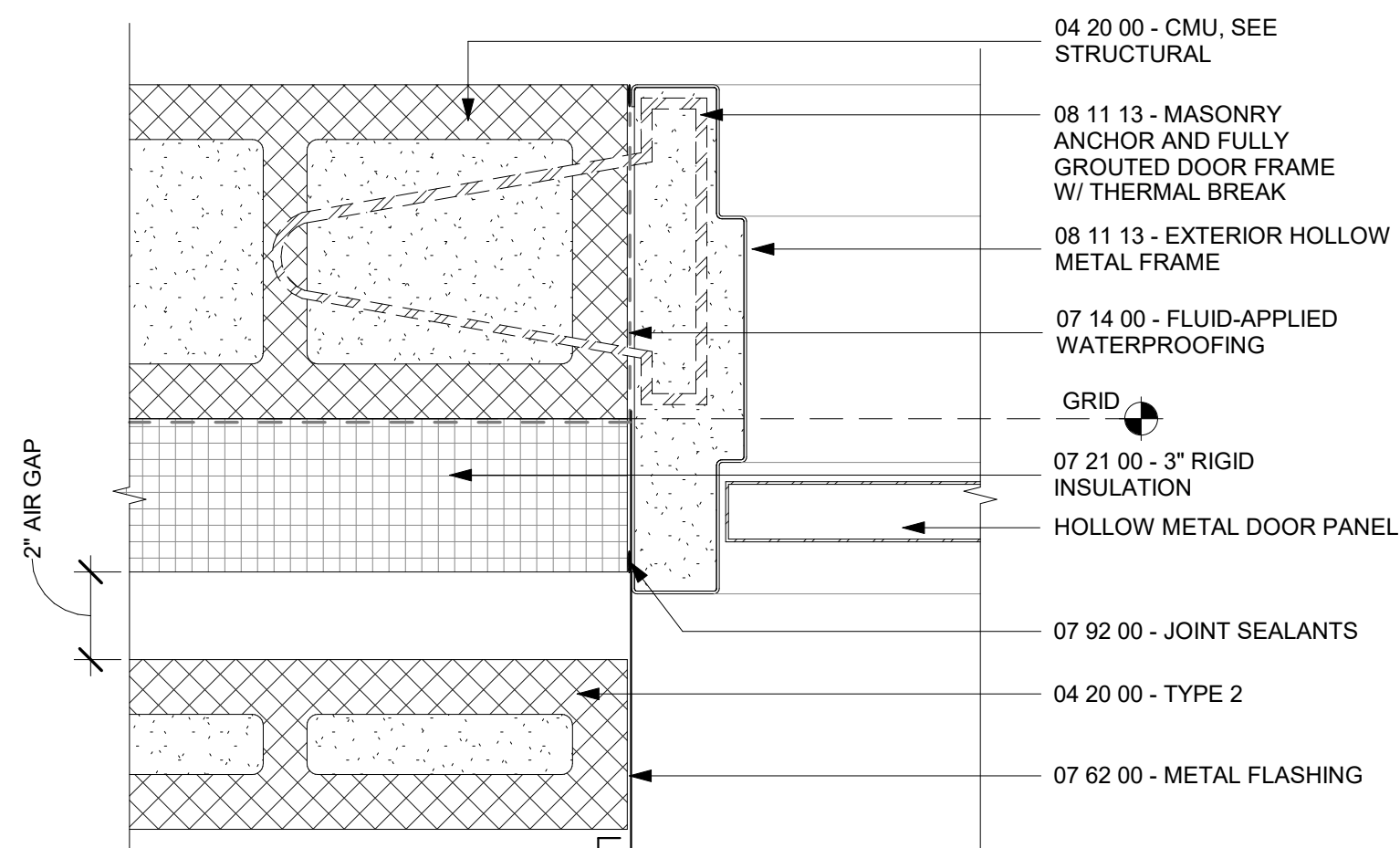
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EXT - HM DOOR JAMB AT CMU (40UT)

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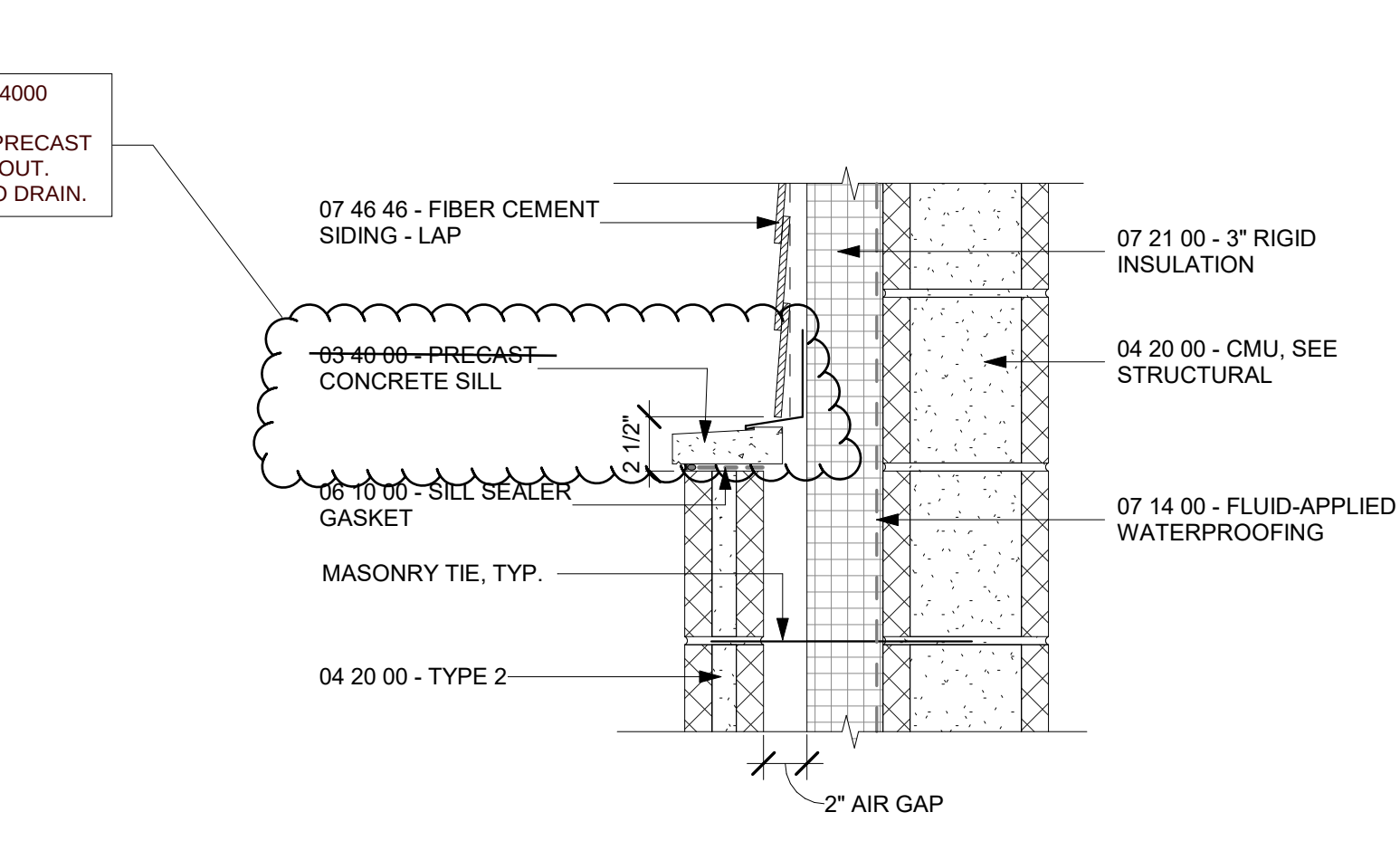
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EXT - WALL TRANS. (40UT) AT (41UT)

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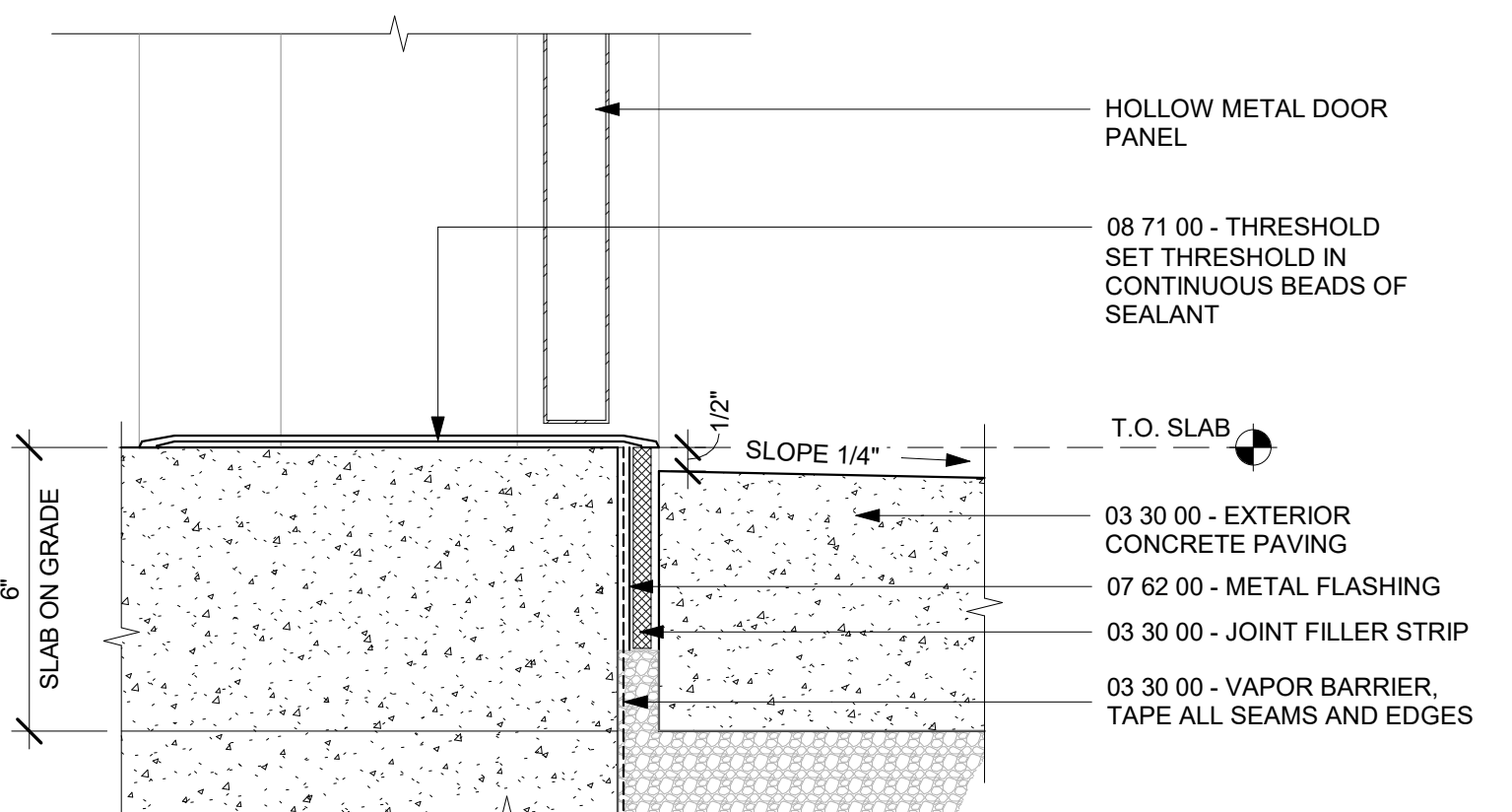
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EXT - HM DOOR JAMB AT CMU (41UT)

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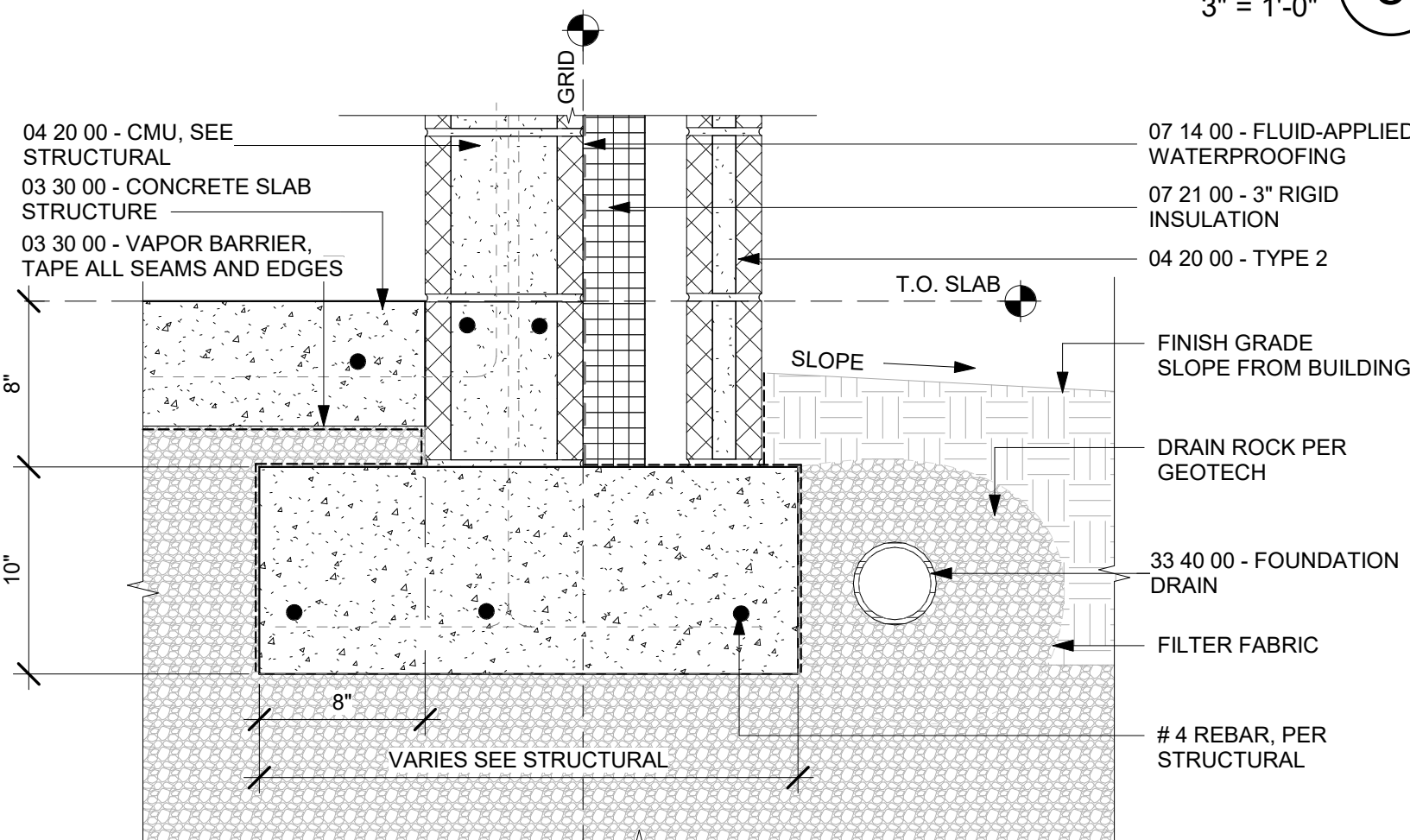
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EXT - TYP. CMU (40UT) FOOTING

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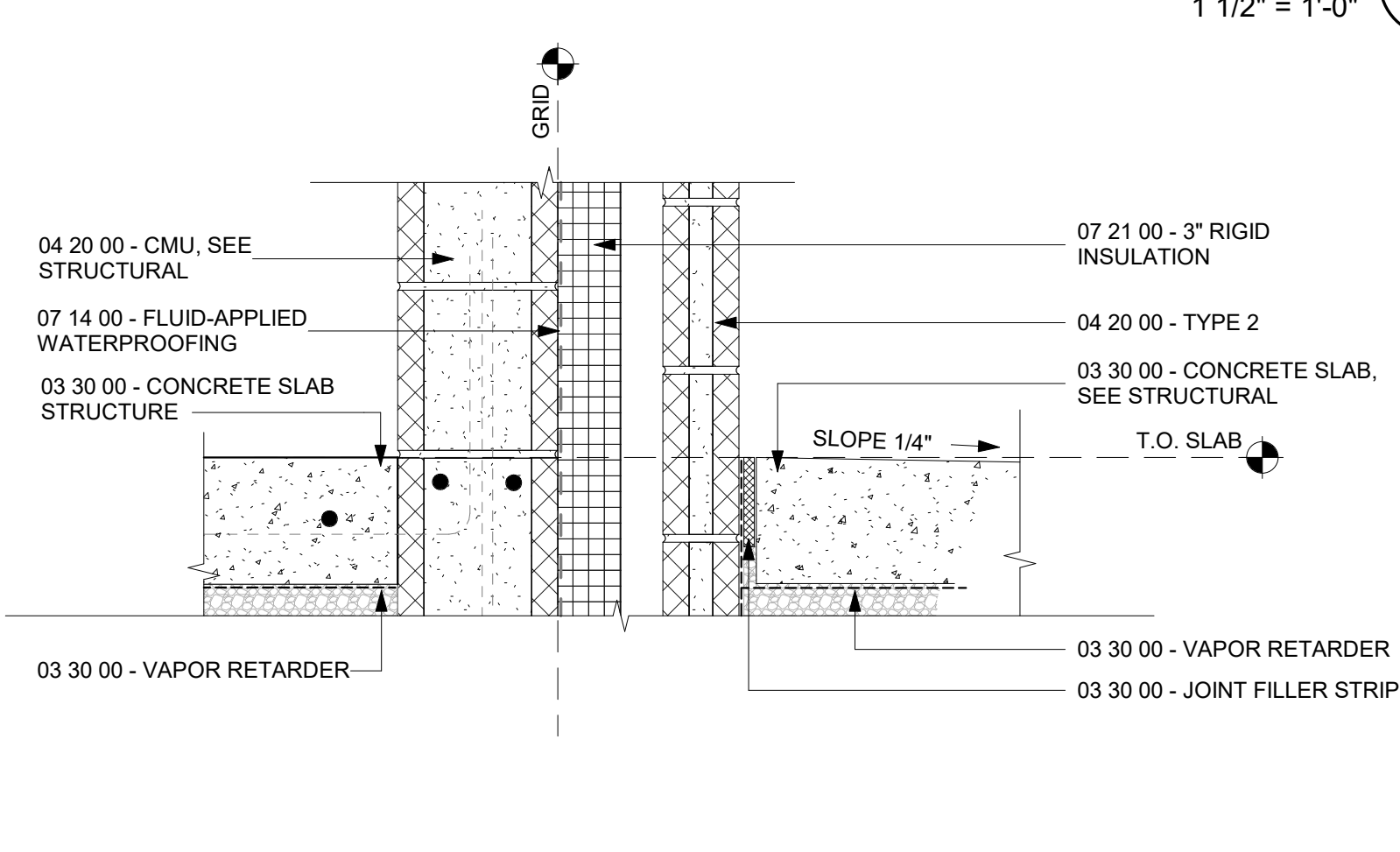
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EXT - TYP. CMU (40UT) FOOTING AT SLAB

1 1/2" = 1'-0"

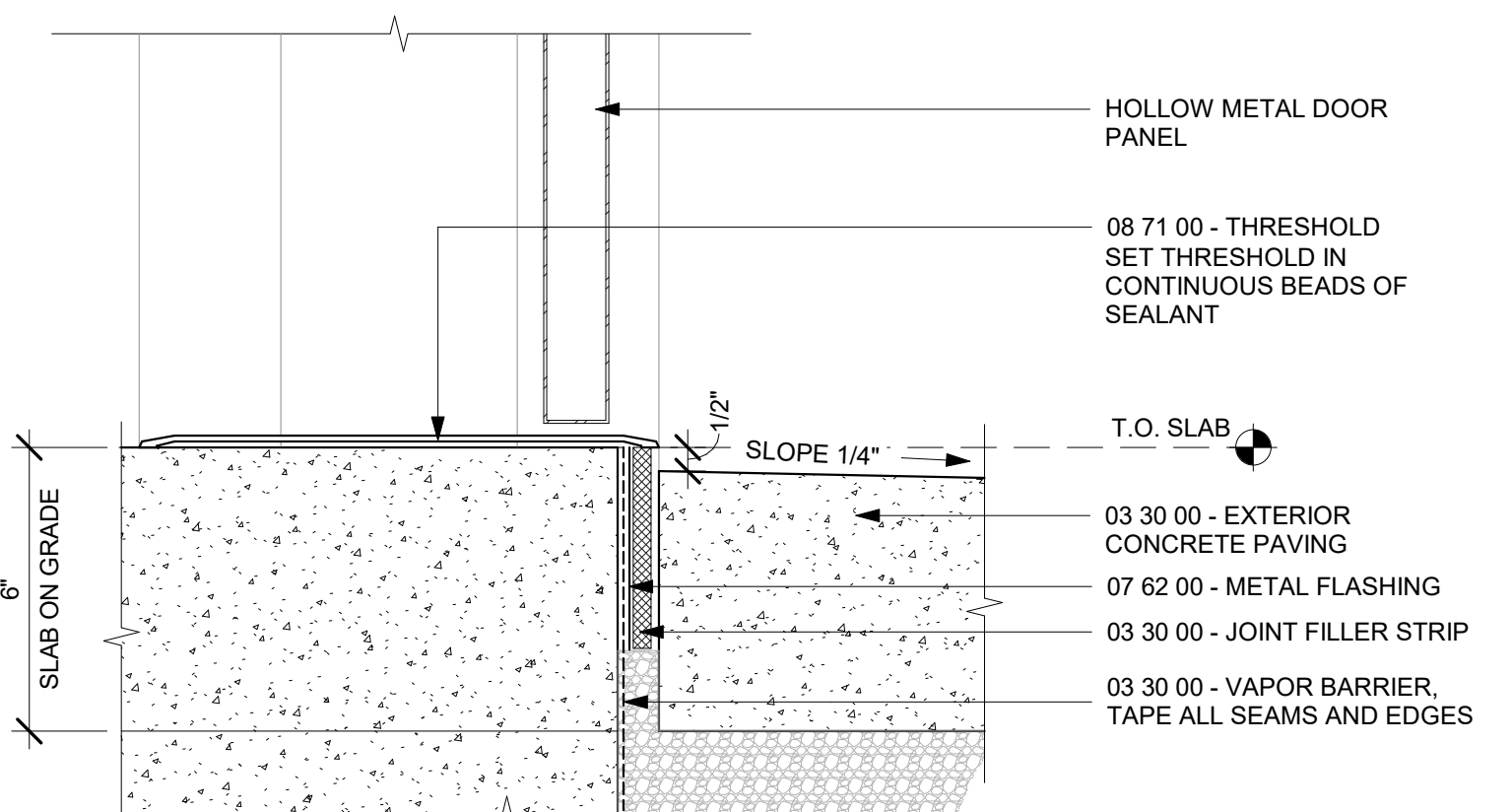
6



EXT - HM DOOR SILL AT CONCRETE FOOTING

3" = 1'-0"

3



QC REVIEW: _____

DATE: _____

THIS LINE IS 1 INCH
AT FULL SCALE IF
NOT SCALE ACCORDINGLY

SCALE : As indicated
DRAWN BY : DS
DESIGNED BY : DS
PROJ. MGR. : DS

1		ADDENDUM 1	A.H.	5/6/25
No.	ZONE	REVISIONS	BY	DATE



BARNETT PUMP STATION

EXTERIOR DETAILS

JOB NUMBER

DRAWING NUMBER

A12

SHEET NUMBER

35 OF 80

REVISION

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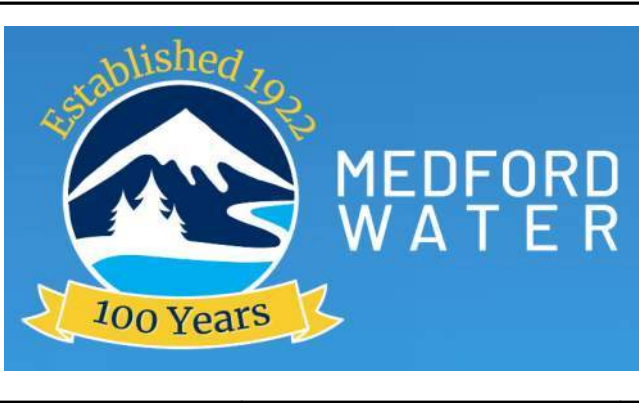
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DATE: _____

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NOT SCALE ACCORDINGLY

SCALE : 1/4" = 1'-0"

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DESIGNED BY : DS
PROJ. MGR. : DS

No.	ZONE	REVISIONS	BY	DATE



BARNETT PUMP STATION

ROOM FINISH & DOOR SCHEDULE

JOB NUMBER _____

DRAWING NUMBER
A16

SHEET NUMBER _____

OF _____

REVISION
1

ROOM FINISH SCHEDULE

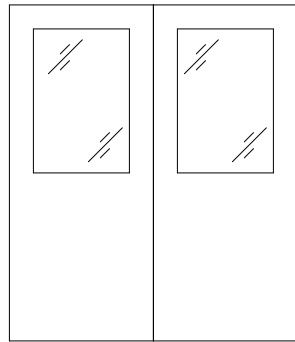
ROOM NUMBER	ROOM NAME	FLOOR		BASE		NORTH WALL		EAST WALL		SOUTH WALL		WEST WALL		CEILING		NOTES
		MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	
101	ELECTRICAL EQUIPMENT ROOM	CONC-1	BROOMED	-	-	CMU-1/PLWD-1	-	CMU-1	-	CMU-1/PLWD-1	-	CMU-1	-	PLWD-1	PT-2 (TBD)	FINAL COLOR SELECTION BY OWNER, PLYWOOD TYP.
102	UTILITY ROOM	CONC-1	BROOMED	RB-1	BLACK PLASTIC	CMU-1	-	CMU-1	-	PLWD-1	PT-2 (WHITE)	CMU-1	-	PLWD-1	PT-2 (TBD)	FINAL COLOR SELECTION BY OWNER
103	PUMP ROOM	CONC-1	BROOMED	-	-	CMU-1/PLWD-1	-	CMU-1	-	CMU-1/PLWD-1	-	CMU-1	-	PLWD-1	PT-2 (TBD)	FINAL COLOR SELECTION BY OWNER, PLYWOOD TYP.

DOOR SCHEDULE

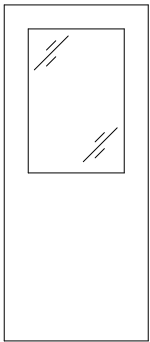
DOOR NUMBER	DOOR SIZE		DOOR PANEL				DOOR FRAME		FIRE RATING (HR)	HARDWARE GROUP	DETAILS			NOTES
	WIDTH	HEIGHT	TYPE	MATERIAL	FINISH	GLAZING	MATERIAL	FINISH			HEAD	JAMB	THRESHOLD	
101A	3'-0"	7'-0"	HG	HM	PT-1 (GREY)	N	HM	PT-1 (GREY)	NR	1				SECURITY GLASS AT HALFLITE OPENINGS, TYP.
101	6'-0"	7'-4"	H	HM	PT-1 (GREY)	Y	HM	PT-1 (GREY)	NR	2				SECURITY GLASS AT HALFLITE OPENINGS, TYP. -
103	6'-0"	7'-4"	H	HM	PT-1 (GREY)	Y	HM	PT-1 (GREY)	NR	2				SECURITY GLASS AT HALFLITE OPENINGS, TYP. -

LEGEND - DOOR TYPES

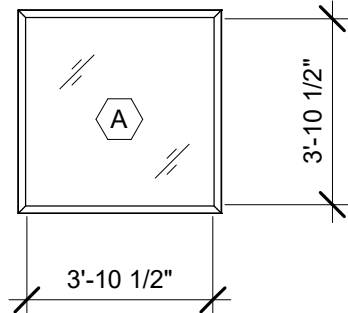
NOTE: DOOR TYPE LEGEND IS BASED ON THE STEEL DOOR INSTITUTE'S STANDARD DOOR DESIGN NOMENCLATURE. THIS PROJECT MAY NOT CONTAIN ALL DOOR TYPES SHOWN ON THIS LEGEND.



DOUBLE
HALFLITE
H



HALFLITE
HG



SKYLIGHT WINDOW TYPES

1/4" = 1'-0"

ABBREVIATIONS - FINISH SCHEDULE

NOTE: ABBREVIATIONS BELOW MAY NOT INCLUDE ALL FOUND IN THE DRAWINGS

ACT-#	ACOUSTIC CEILING TILE
CAB-#	CABINET
CLR-#	CLEAR FINISH
CMU-#	CONCRETE MASONRY UNIT
CONC-#	CONCRETE
CPT-#	CARPET
CT-#	CERAMIC TILE
CURT-#	CURTAIN / DRAPERY
EPT-#	EPOXY PAINT
FRP-#	FIBERGLASS REINFORCED PLASTIC PANEL
GALV-#	GALVANIZED
GI-#	GALVANIZED IRON
GL-#	GLAZING
GS-#	GALVANIZED STEEL
GSM-#	GALVANIZED SHEET METAL
GWB-#	GYPSUM WALL BOARD
HDBD-#	HARDBOARD
HDWD-#	HARDWOOD
LINO-#	LINOLEUM
M-#	MIRROR
MB-#	MARKER BOARD
MTL-#	METAL
PT-#	PAINT
PLAM-#	PLASTIC LAMINATE
PLWD-#	PLYWOOD
PWC-#	PLASTIC WALL COVERING
PWP-#	PLASTIC WALL PANEL
RB-#	RUBBER BASE
RN-#	RESILIENT STAIR NOSING
RSHD-#	ROLLER SHADE
SF-#	STOREFRONT
SHT-#	SHEET
SM-#	SHEET METAL
SLR-#	SEALER
STL-#	STEEL
SS-#	SOLID SURFACE
SST-#	STAINLESS STEEL
SV-#	SHEET VINYL
T-#	PORCELAIN TILE
TBD	TO BE DETERMINED
UPH-#	UPHOLSTERY
VCT-#	VINYL COMPOSITION TILE
VVC-#	VINYL WALL COVERING
WB-#	WOOD BASE
WD-#	WOOD
WDP-#	WOOD PANELING
WDF-#	WOOD FLOORING
WDV-#	WOOD VENEER
WOM-#	WALK-OFF-MAT

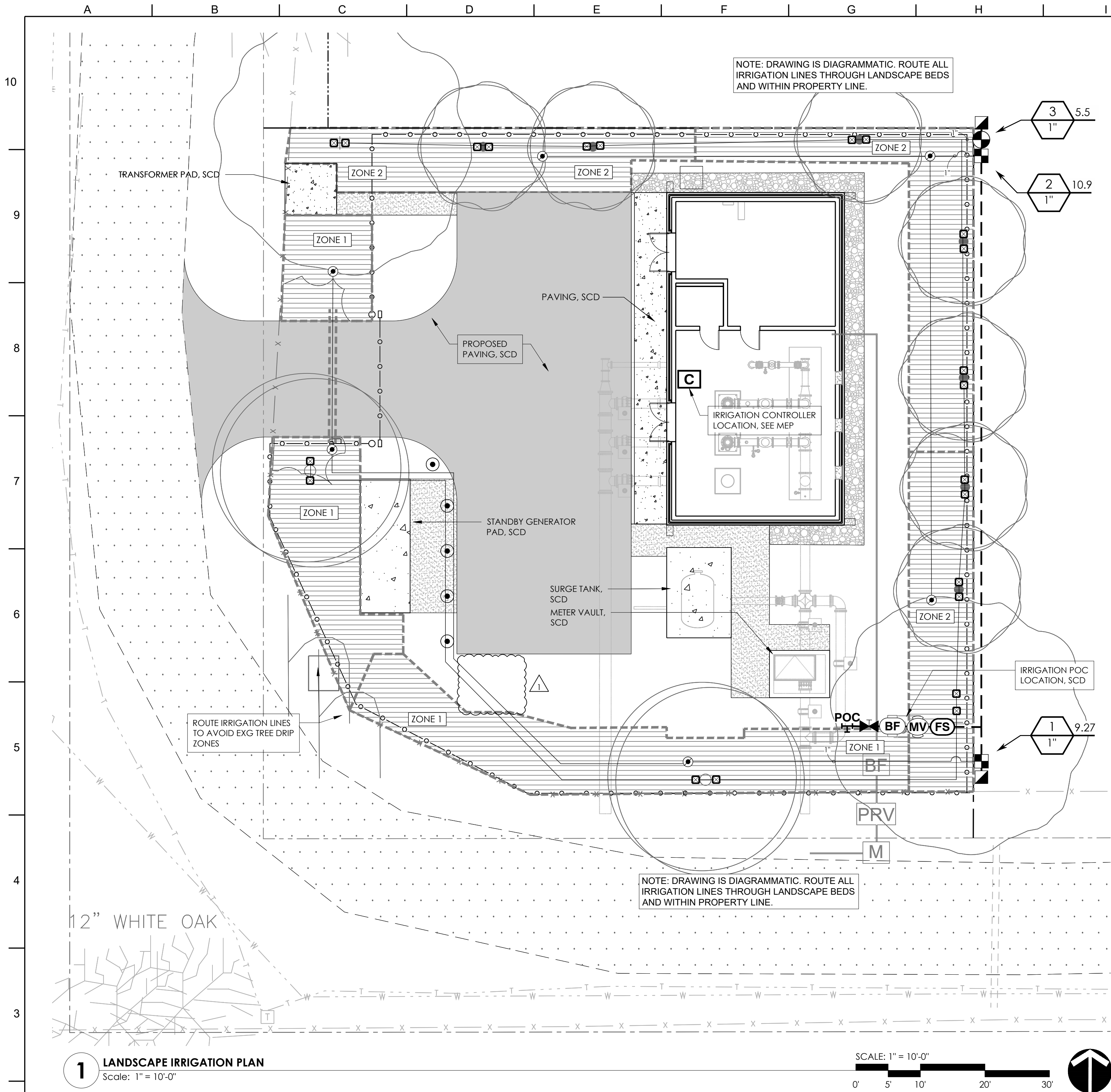
GENERAL NOTES - DOOR SCHEDULE

- CONTRACTOR SHALL FIELD VERIFY ALL ROUGH OPENINGS PRIOR TO FABRICATION OF ALL DOOR, WINDOW, AND RELITE FRAMES.
- ALL METAL DOORS AND METAL FRAMES TO BE PRIMED AND PAINTED.
- MITER TRIM AT ALL CORNERS - TYPICAL AT ALL DOORS, UNO.
- ALL GLAZING IN DOORS SHALL BE SAFETY GLASS.
- PROVIDE SAFETY GLASS IN LOCATIONS AS REQUIRED BY CODE.
- ALL GLASS IN EXTERIOR OPENINGS SHALL BE INSULATED GLASS.

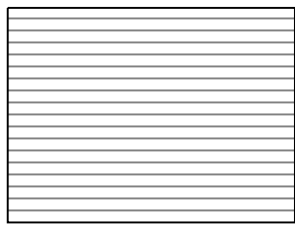
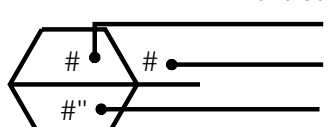
ABBREVIATIONS - DOOR SCHEDULE

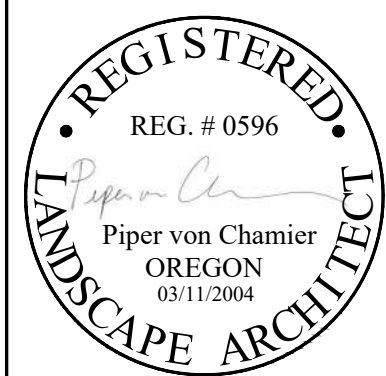
-	NONE
(S)	SMOKE RATED DOOR
CR	CARD READER
PH	PANIC HARDWARE
HM-#	HOLLOW METAL DOOR OR FRAME PER SECTION 08 11 13.

C:\Terrain Land Arch Dropbox\00 Projects\2417 Medford Pump Station\00 Drawings\01 DD\03 Sheets\03 IRRIGATION PLAN.dwg 5/5/2025 10:40 AM Piper



IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI
	HUNTER RZWS-SLEEVE-18-CV 18IN. LONG RZWS WITH FILTER FABRIC SLEEVE, .25 GPM OR .50 GPM BUBBLER OPTIONS, CHECK VALVE, 1/2IN. SWING JOINT FOR CONNECTION TO 1/2IN. PIPE	22	40
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	
	HUNTER ICZ-101-25-LF 1" DRIP CONTROL ZONE KIT. 1IN. ICV GLOBE VALVE WITH 1IN. HY100 FILTER SYSTEM. PRESSURE REGULATION: 25 PSI. FLOW RANGE: .5 GPM - 15 GPM. 150 MESH STAINLESS STEEL SCREEN.	2	
	PIPE TRANSITION POINT IN DRIP BOX PIPE TRANSITION POINT FROM PVC LATERAL TO DRIP TUBING WITH RISER IN 6IN. DRIP BOX.	6	
	AREA TO RECEIVE DRIPLINE HUNTER HDL-06-18-CV HDL-06-18-CV: HUNTER DRIPLINE W/ 0.6 GPH EMITTERS AT 18" O.C. CHECK VALVE, DARK BROWN TUBING WITH GRAY STRIPING. DRIPLINE LATERALS SPACED AT 18" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. INSTALL WITH HUNTER PLD BARBED OR PLD-LOC FITTINGS.	3,018 L.F.	
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	
	HUNTER ICV-G 1" 1IN., 1-1/2IN., 2IN., AND 3IN. PLASTIC ELECTRIC REMOTE CONTROL VALVES, GLOBE CONFIGURATION, WITH NPT THREADED INLET/OUTLET, FOR COMMERCIAL/MUNICIPAL USE.	1	
	HUNTER HQ-44LRC 1" QUICK COUPLER VALVE, YELLOW RUBBER LOCKING COVER, RED BRASS AND STAINLESS STEEL, WITH 1IN. NPT INLET, 2-PIECE BODY.	2	
	LANDSCAPE PRODUCTS INC. BBV 1/2IN., 3/4IN., 1IN., 1-1/4IN., 1-1/2IN., 2IN., 2-1/2IN., 3IN. FULL PORT BRASS BALL VALVE. SUITABLE FOR A FULL RANGE OF LIQUIDS AND GASES IN RESIDENTIAL AND COMMERCIAL APPLICATIONS.	1	
	HUNTER ICV-G 1" 1IN., 1-1/2IN., 2IN., AND 3IN. PLASTIC ELECTRIC MASTER VALVE, GLOBE CONFIGURATION, WITH NPT THREADED INLET/OUTLET, FOR COMMERCIAL/MUNICIPAL USE.	1	
	ZURN 350XL 1" DOUBLE CHECK VALVE ASSEMBLY W/ EZSWAP INSERT.	1	
	HUNTER HCC-800-PL 8 STATION OUTDOOR WI-FI ENABLED, FULL-FUNCTIONING CONTROLLER WITH TOUCHSCREEN, COMMERCIAL USE, PLASTIC CABINET.	1	
	HUNTER HFS-100 FLOW SENSOR FOR USE WITH ACC CONTROLLER, 1IN. SCHEDULE 40 SENSOR BODY, 24 VAC, 2 AMP.	1	
	POINT OF CONNECTION 1" 1" IRRIGATION CONNECTION. 1 - 1"x1" COPPER TEE. SEE CIVIL DRAWINGS.	1	
	IRRIGATION LATERAL LINE: PVC SCHEDULE 40 1"	642.5 L.F.	
	IRRIGATION MAINLINE: PVC SCHEDULE 40 1"	122.2 L.F.	
	PIPE SLEEVE: PVC CLASS 200 TYPICAL PIPE SLEEVE FOR IRRIGATION PIPE. PIPE SLEEVE SIZE SHALL ALLOW FOR IRRIGATION PIPING AND THEIR RELATED COUPLINGS TO EASILY SLIDE THROUGH SLEEVING MATERIAL. EXTEND SLEEVES 18 INCHES BEYOND EDGES OF PAVING OR CONSTRUCTION.	20.8 L.F.	
Valve Callout			
			



QC REVIEW: SAM BICKEL
DATE: 03.06.25

THIS LINE IS 1 INCH
AT FULL SCALE IF
NOT SCALE ACCORDINGLY

SCALE: AS SHOWN
DRAWN BY: SB/CG
DESIGNED BY: SB SB
PROJ. MGR.: SB SB

1		ADDENDUM 1	SB	5/1/25
No.	ZONE	REVISIONS	BY	DATE

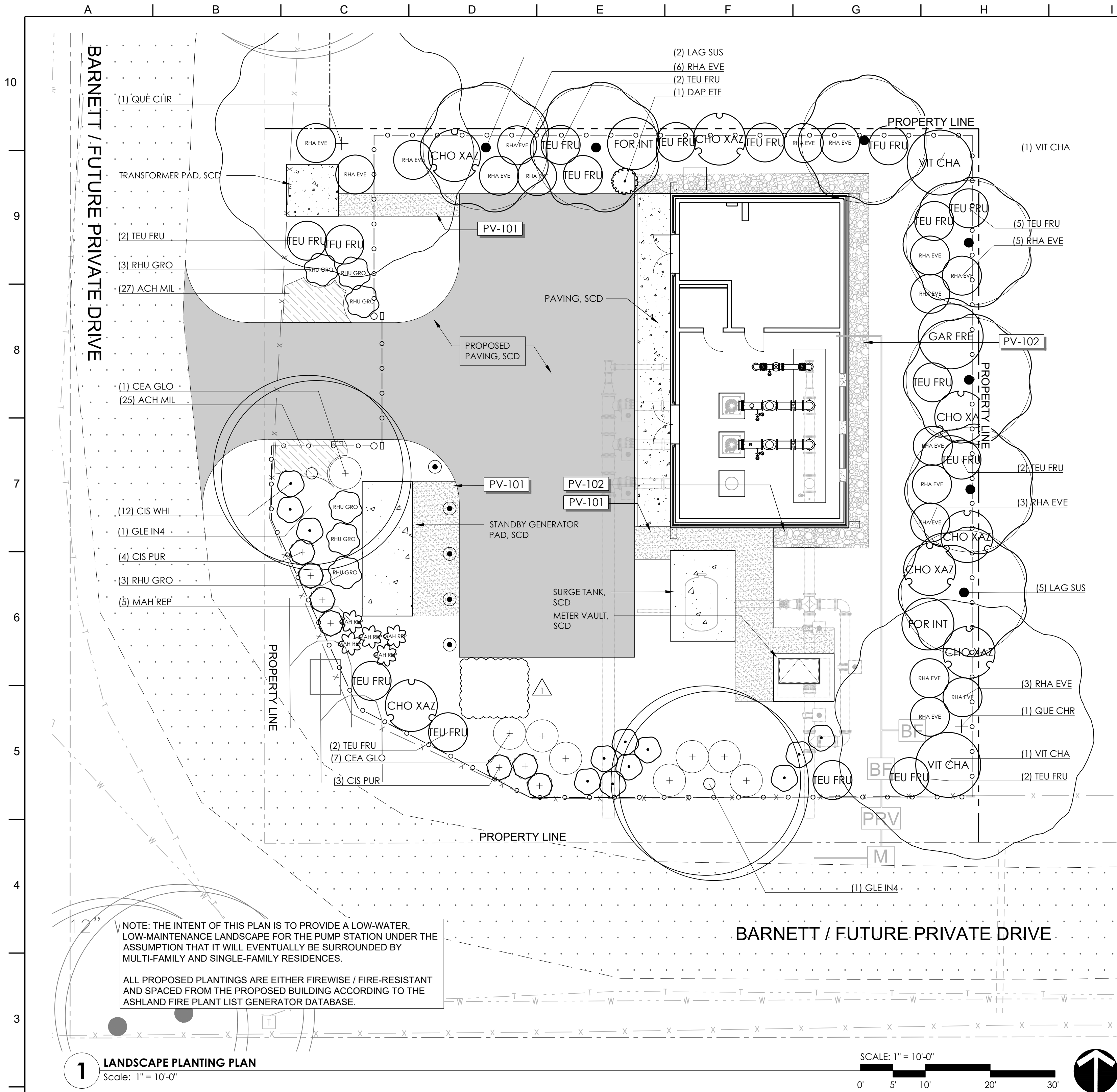
WEST YOST
Water. Engineered.



MEDFORD WATER COMMISSION
ZONE 2 PUMP STATION
LANDSCAPE IRRIGATION PLAN

JOB NUMBER 1014-30-22-01
DRAWING NUMBER L03
SHEET NUMBER OF REVISION

C:\Terrain Land Arch Dropbox\00 Projects\2417 Medford Pump Station\00 Drawings\01 DD\03 Sheets\L06 PLANTING PLAN.dwg 5/5/2025 10:40 AM Piper



1 LANDSCAPE PLANTING PLAN
Scale: 1" = 10'-0"

REFERENCE NOTES SCHEDULE

SYMBOL	CODE	DESCRIPTION	QTY	MANUFACTURER	PRODUCT	DETAIL	MATERIAL / COLOR / FINISH	SIZE	NOTES
PAVING + EDGING									
	PV-101	DECOMPOSED GRANITE	473 SF	HILTON FUEL	DECOMPOSED GRANITE	6/L07	ROGUE VALLEY GOLD	3" DEPTH MIN	HILTONLANDSCAPESUPPLY.COM
	PV-102	FIREWISE MULCH	313 SF	HILTON FUEL	FIREWISE MULCH	4/L07	1/4" X 10"	3" DEPTH MIN	HILTONLANDSCAPESUPPLY.COM



QC REVIEW: SAM BICKEL
DATE: 03.06.25

THIS LINE IS 1 INCH
AT FULL SCALE IF
NOT SCALE ACCORDINGLY
SCALE: AS SHOWN
DRAWN BY: SB/CG
DESIGNED BY: SB SB
PROJ. MGR.: SB SB

1		ADDENDUM 1	SB	5/1/25
No.	ZONE	REVISIONS	BY	DATE



**MEDFORD WATER COMMISSION
ZONE 2 PUMP STATION**
LANDSCAPE PLANTING PLAN

JOB NUMBER 1014-30-22-01
DRAWING NUMBER L06
SHEET NUMBER OF REVISION

PLANT SCHEDULE

SYMBOL	CODE	BOTANICAL NAME	COMMON NAME	SIZE	WATER USE	SPACING	IRRIGATION	QTY	REMARKS
TREES									
	GLE IN4	GLEDITSIA TRIACANTHOS INERMIS	THORNLESS HONEY LOCUST	1-3/4" CAL	L	SEE PLAN	BUBBLER	2	
	LAG SUS	LAGERSTROEMIA INDICA X FAURIEI 'MUSKOGEE'	MUSKOGEE CRAPE MYRTLE MULTI-TRUNK	15 GAL	L	SEE PLAN	BUBBLER	7	DECIDUOUS, MULTI-STEM
	QUE CHR	QUERCUS CHRYSOLEPIS	CANYON LIVE OAK	5 GAL	L	SEE PLAN	BUBBLER	2	EVERGREEN

SYMBOL	CODE	BOTANICAL NAME	COMMON NAME	SIZE	WATER USE	SPACING	IRRIGATION	QTY	REMARKS
SHRUBS									
	CEA GLO	CEANOTHUS GLORIOSUS	POINT REYES CEANOTHUS	1 GAL	L	60" O.C.	DRIP	8	
	CHO XAZ	CHOISYA X DEWITTEANA 'AZTEC PEARL'	AZTEC PEARL MEXICAN ORANGE	5 GAL	L	SEE PLAN	DRIP	7	EVERGREEN
	CIS WHI	CISTUS X BLANCHE	WHITE ROCKROSE	1 GAL	L	48" O.C.	DRIP	12	
	CIS PUR	CISTUS X PURPUREUS	ORCHID ROCKROSE	1 GAL	L	48" O.C.	DRIP	7	
	DAP ETF	DAPHNE TRANSATLANTICA 'ETERNAL FRAGRANCE'	ETERNAL FRAGRANCE DAPHNE	5 GAL	L	48" O.C.	DRIP	1	EVERGREEN
	FOR INT	FORSYTHIA X INTERMEDIA	BORDER FORSYTHIA	5 GAL	L	SEE PLAN	DRIP	2	DECIDUOUS
	GAR FRE	GARRYA FREMONTII	COAST SILK TASSEL	5 GAL	L	SEE PLAN	DRIP	1	EVERGREEN
	MAH REP	MAHONIA REPENS	CREEPING MAHONIA	1 GAL	L	42" O.C.	DRIP	5	
	RHA EVE	RHAMNUS CALIFORNICA 'EVE CASE'	EVE CASE COFFEEBERRY	1 GAL	L	72" O.C.	DRIP	17	EVERGREEN
	RHU GRO	RHUS AROMATICA 'GRO-LOW'	GRO-LOW FRAGRANT SUMAC	1 GAL	L	60" O.C.	DRIP	6	
	TEU FRU	TEUCRIUM FRUTICANS	BUSH GERMANDER	5 GAL	L	SEE PLAN	DRIP	15	EVERGREEN
	VIT CHA	VITEX AGNUS-CASTUS	CHASTE TREE	3 GAL	L	SEE PLAN	DRIP	2	DECIDUOUS

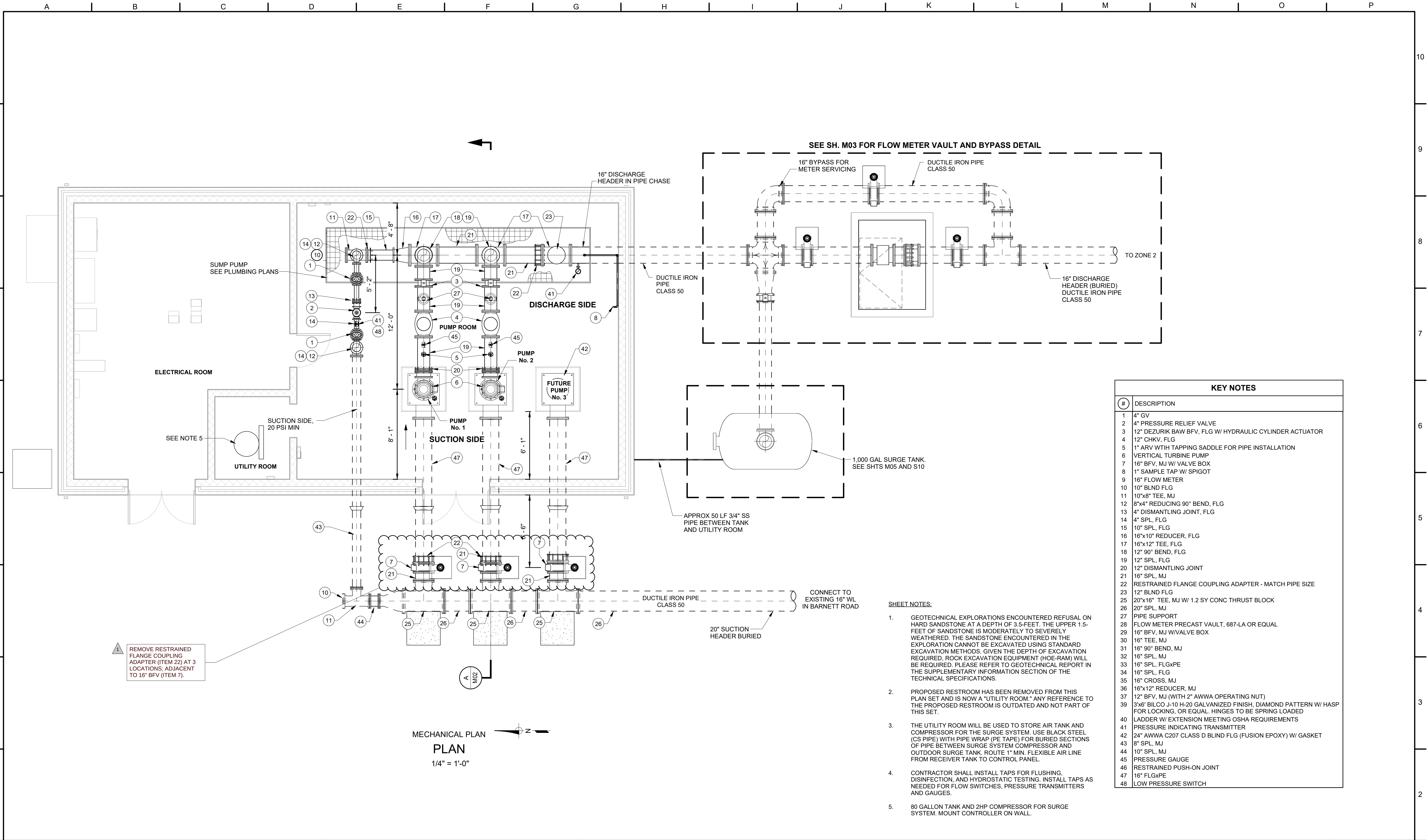
GROUND COVERS

	ACH MIL	ACHILLEA MILLEFOLIUM	COMMON YARROW	4" POT	L	18" O.C.	DRIP	52	
--	---------	----------------------	---------------	--------	---	----------	------	----	--

LANDSCAPE PLANTING NOTES

- ALL LANDSCAPE PLANTING AREAS SHALL RECEIVE CLEAN, SANDY LOAM TOPSOIL TO A MINIMUM DEPTH OF 12" OR AS NOTED ON THE PLAN. ADDITIONALLY, ALL PLANTING AREAS WILL BE PREPARED PER THE PROCEDURES AS OUTLINED IN THE MEDFORD DEVELOPMENT CODE, SECTION 10.780(G)(9)(B).
- ALL PROPOSED STREET AND SITE TREES WILL HAVE A MINIMUM OF (2) CUBIC FEET OF SOIL VOLUME FOR EACH SQUARE FOOT OF TREE CANOPY AT MATURITY. SOIL VOLUME WILL BE ACHIEVED BY MEANS OF TOPSOIL IN PLANTERS AND STRUCTURAL SOIL UNDER IMPERVIOUS SURFACES.
- ALL PLANTING AREAS SHALL RECEIVE 3" OF UNSETTLED ORGANIC MULCH.
- ALL LANDSCAPING AREAS, INCLUDING RIGHT-OF-WAY PLANTER STRIPS ADJACENT TO THE SITE, SHALL INCLUDE SUFFICIENT SHRUBS, TURF GRASS, AND/OR OTHER LIVING GROUND COVER TO SPREAD OVER 85% OF EACH AREA WITHIN EIGHT YEARS PER COM DEVELOPMENT CODE 10.780.
- ALL PLANTING AREAS SHALL BE SERVED BY A DESIGNATED DOMESTIC WATER METER AND A CITY OF MEDFORD APPROVED BACKFLOW PREVENTION DEVICE.
- THE IRRIGATION SYSTEM WILL PROVIDE A FULLY AUTOMATIC IRRIGATION CONTROLLER THAT WILL MEET THE REQUIREMENTS AS NOTED IN THE MEDFORD DEVELOPMENT CODE, SECTION 10.780(H)(4).

Autodesk Docs://Barnett Road Pump Station/101430-2201-Barnett-PS_R23.rvt
PLOT DATE: 3/13/2025 2:12:40 PM



QC REVIEW: CRP
DATE: 3/12/25

THIS LINE IS 1 INCH
AT FULL SCALE IF
NOT SCALE ACCORDINGLY
SCALE: 1/4" = 1'-0"
DRAWN BY: OMV
DESIGNED BY: DAM
PROJ. MGR: DAM

1		ADDENDUM 1	A.H.	5/1/25
No.	ZONE	REVISIONS	BY	DATE

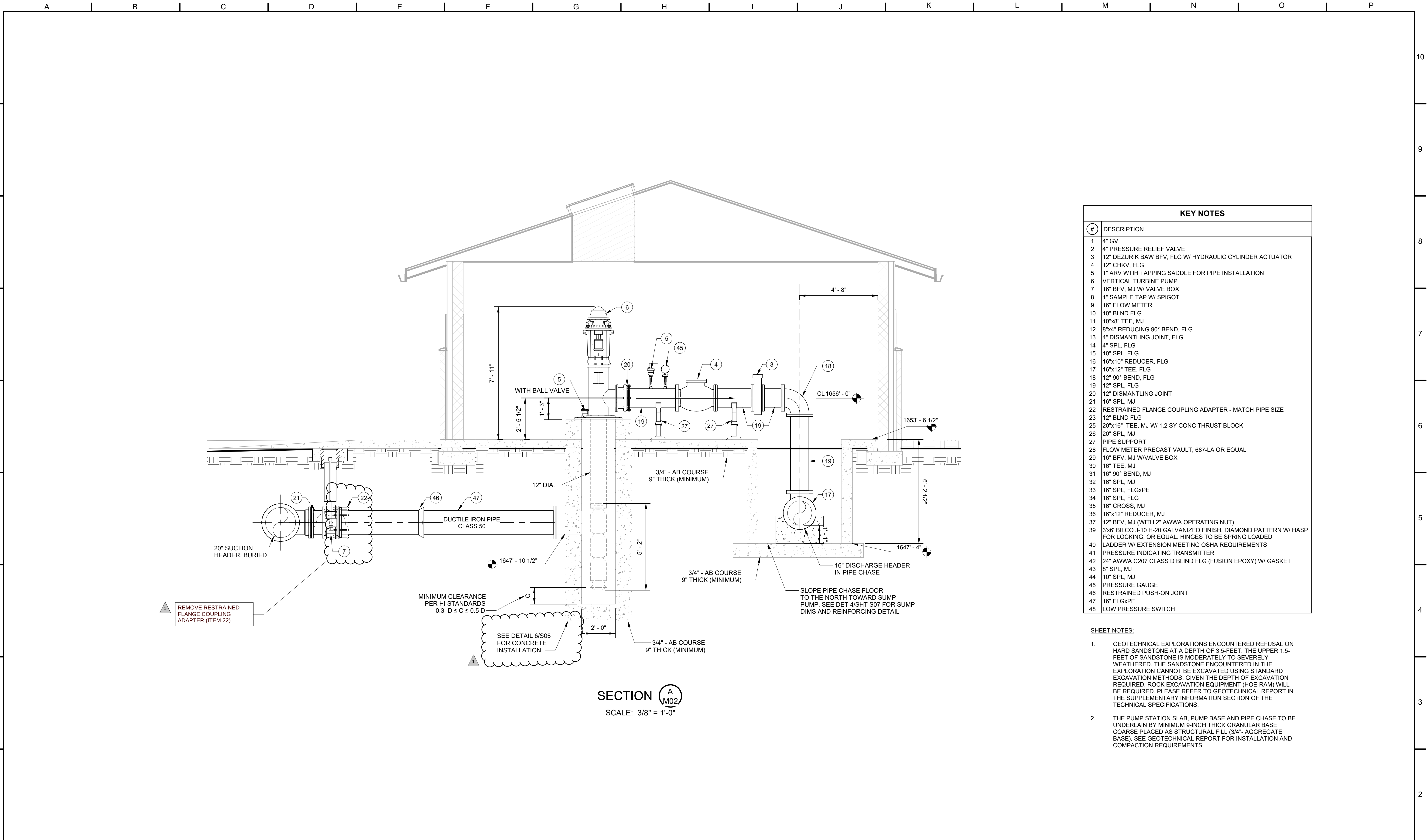


MEDFORD WATER COMMISION ZONE 2
PUMP STATION

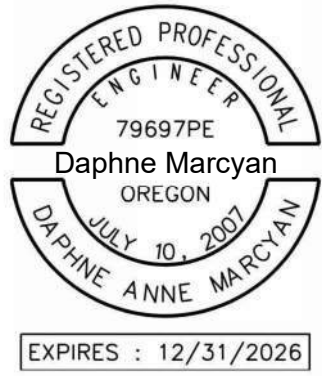
MECHANICAL PLAN

JOB NUMBER 101430-2201
DRAWING NUMBER M01
SHEET NUMBER 48 OF 80
REVISION

Autodesk Docs://Barnett_Road_Pump_Station/101430-2201-Barnett-PS_R23.rvt
PLOT DATE: 3/13/2025 2:12:17 PM



SECTION **A**
M02
SCALE: 3/8" = 1'-0"



QC REVIEW: CRP
DATE: 3/12/25

THIS LINE IS 1 INCH
AT FULL SCALE IF
NOT SCALE ACCORDINGLY
SCALE: 3/8" = 1'-0"
DRAWN BY: OMV
DESIGNED BY: DAM
PROJ. MGR.: DAM

1		ADDENDUM 1	A.H.	5/1/25
No.	ZONE	REVISIONS	BY	DATE



**MEDFORD WATER COMMISSION ZONE 2
PUMP STATION**

MECHANICAL SECTIONS

JOB NUMBER
101430-2201
DRAWING NUMBER
M02
SHEET NUMBER
49 OF 80
REVISION

Autodesk Docs://Barnett Road Pump Station/Barnett-PS_F23 - MP.rvt
PLOT DATE: 3/7/2025 1:48:42 PM

REGISTERED PROFESSIONAL
ENGINEER
50930 ME
OREGON
JULY 21, 1998
STEVEN E. DACUS
EXPIRES: 12/31/25

Signature

QC REVIEW: _____
DATE: _____

THIS LINE IS 1 INCH
AT FULL SCALE IF
NOT SCALE ACCORDINGLY

SCALE : _____
DRAWN BY : SPL
DESIGNED BY : SPL
PROJ. MGR. : SED

1		ADDENDUM 1	A.H.	5/1/25
No.	ZONE	REVISIONS	BY	DATE



INTERFACE
ENGINEERING

PROJECT 2024-0398
CONTACT Scott Lamadore
100 SW Main Street, Suite 1600
Portland, OR 97204
TEL 503.382.2266
www.interfaceengineering.com



BARNETT PUMP STATION

SCHEDULES & DETAILS - PLUMBING

JOB NUMBER
CIP 22-00342

DRAWING NUMBER
P02

SHEET NUMBER
58 of 80

REVISION

PLUMBING FIXTURE SCHEDULE											
SYMBOL	FIXTURE TYPE	DESCRIPTION	BASIS OF DESIGN		ACCESSORIES	CONNECTION				ELECTRICAL	COMMENTS
			MFR	MODEL		W	V	CW	HW		
AD-1	AREA DRAIN	CAST IRON BODY, FLASHING COLLAR, 8-1/2-INCH ROUND ADJUSTABLE TOP, BAR GRATE, SEDIMENT BUCKET	JR SMITH	2005Y-A-06		SEE DWGS	SEE DWGS	--	--		
FD-2	FLOOR DRAIN	CAST IRON BODY, FLASHING COLLAR, 6-INCH ADJUSTABLE NICKEL BRONZE STRAINER HEAD, TRAP PRIMER, VANDAL PROOF SCREWS	JR SMITH	2005Y-A-06-P050-U-NB		SEE DWGS	SEE DWGS	PRIMER CONN.	--		
HB-1	HOSE BIBB	MILD CLIMATE HOSE BIBB, ASSE 1011, VACUUM BREAKER PROTECTED, SURFACE MOUNTED, WITH OPTIONAL METAL WHEEL HANDLE AND LOOSE TEE KEY.	WOODFORD	24		--	--	3/4"	--		
WH-1	WALL HYDRANT	EXPOSED, NON-FREEZE, ANTI-SIPHON, AUTOMATIC DRAINING, CHROME PLATED ASSEMBLY, DOUBLE CHECK BACKFLOW PREVENTER, LOOSE TEE KEY OPERATION	WOODFORD	67		--	--	3/4"	--		

PLUMBING PUMP SCHEDULE												
SYMBOL	EQUIPMENT TYPE	LOCATION/SE R VING	BASIS OF DESIGN		FLOW RATE (GPM)	HEAD (FT H2O)	RPM	ELECTRICAL				NOTES
			MFR	MODEL				VOLTS	PH	AMPS	HP	
BTP-BMP-530504	SUMP PUMP	PUMP ROOM	ZOELLER	N 153	69	6.00	3450	115	1	10.5	1/2	PROVIDE PIVOT SERIES CONTROL PANEL.

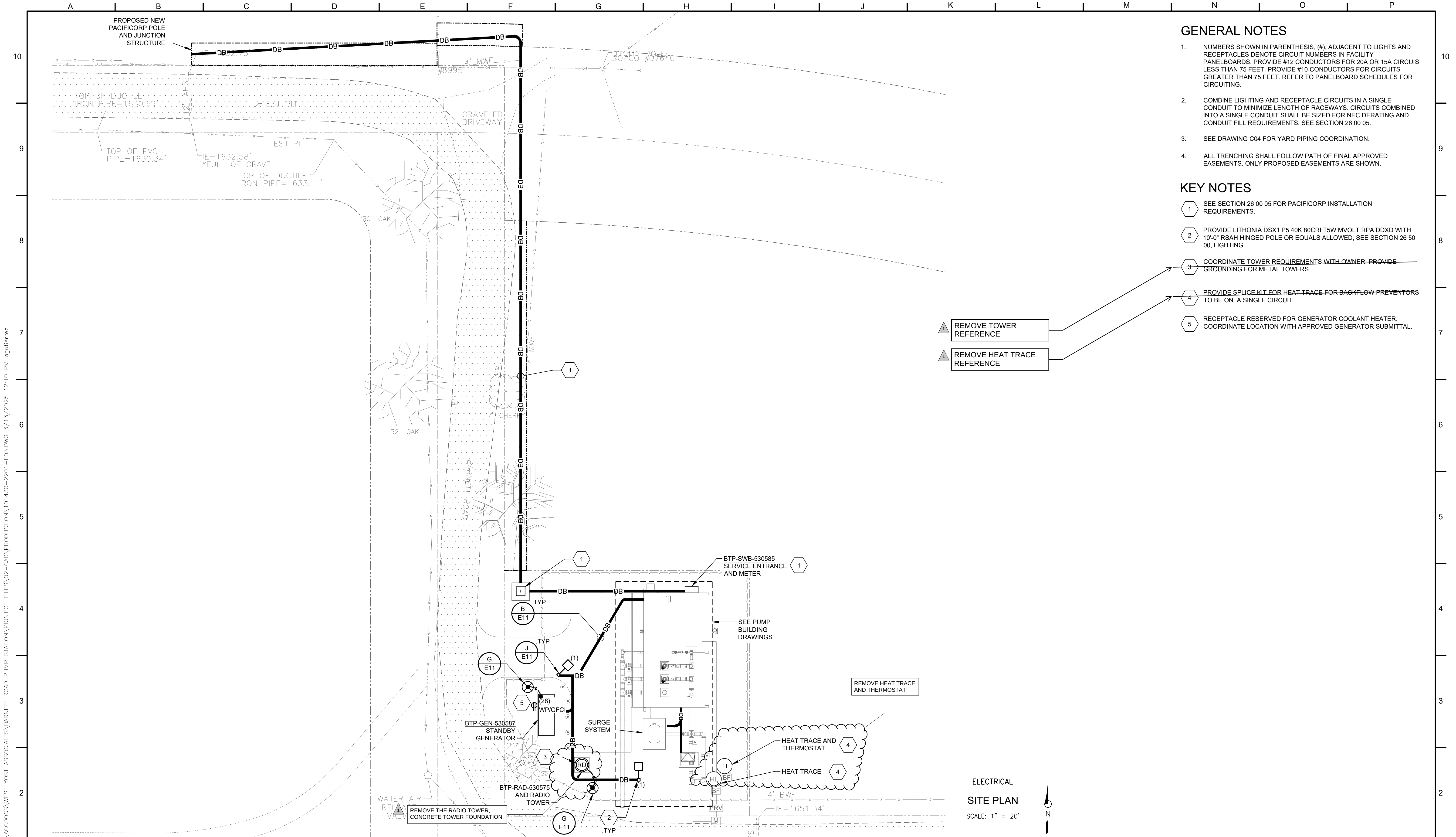
REMOVE HEAT TRACE FROM BID DOCUMENTS.

MISCELLANEOUS PLUMBING EQUIPMENT SCHEDULE												
SYMBOL	EQUIPMENT TYPE	LOCATION/S ERVING	BASIS OF DESIGN		FLOW RATE (GPM)	HEAD (FT H2O)	RPM	ELECTRICAL				NOTES
			MFR	MODEL				VOLTS	PH	AMPS	HP	
HT-1	HEAT TRACE CONTROL BOX	HEAT TRACE	REYCHEM	8XLE1	208	1	.5					PROVIDE END SEAL KIT, SINGLE ENTRY POWER KIT
HT-2	HEAT TRACE CONTROL BOX	HEAT TRACE	REYCHEM	8XLE1	208	1	.5					PROVIDE END SEAL KIT, SINGLE ENTRY POWER KIT
SRCP-1	SUMP PUMP CONTROL PANEL	SR-1	ZOELLER	31334-001 PIVOT SERIES	120	1						ALARM CONTROLS: AUDIO/VISUAL ALARM PANEL WITH MANUAL RESET, WITH FLOAT SWITCH ON LENGTH OF CORD REQUIRED. CONTRACTOR SHALL PROVIDE ALL POWER WIRING, CONDUITS AND LOW VOLTAGE WIRING.
TP-1	ELECTRONIC TRAP PRIMER	VARIES - SEE FLOOR PLANS	PRECISION PLUMBING PRODUCTS	PRIME-TIME SERIES	120	2	.5					INSTALL 1 FT ABOVE THE FLOOR FOR EVERY 20FT OF HORIZONTAL PRIMER PIPING FROM DRAINS SERVED. COORDIANTE WITH DIV 26. EXTEND TO ALL DRAINS.

FIXTURE UNIT CALCULATIONS - UPC						
COUNT	DESCRIPTION	WATER SUPPLY FIXTURE UNITS			DRAINAGE FIXTURE UNITS	
		CWFU (TABLE A-2)	CWFU TOTAL	.75 HWFU	DFU (TABLE 7-3)	DFU TOTAL
3	AREA DRAIN		0	0	2	6
1	FLOOR DRAIN (FUTURE)		0	0	2	2
2	HOSE BIBB	2.5	5	0		0
FIXTURE UNIT COUNT TOTALS:			5	0		8

WATER SERVICE CALCULATION			
TOTAL FIXTURE UNITS		CW	HW
GPM		11	0
		0	0
QTY			GPM
	FLOW IN GPM		0
0	EMERGENCY SAFETY EQUIPMENT	0	0
0	COOLING TOWER MAKE-UP	0	0
0	HVAC MAKE-UP	0	0
0	IRRIGATION FLOW	0	0
	TOTAL GPM REQUIRED		0
	a. MINIMUM DAILY SERVICE PRESSURE		70
10 FT	b. STATIC HEAD LOSS	X .433	4.33
	c. WATER METER PRESSURE DROP		3
	d. BACK FLOW PREVENTER		10
	e. PRESSURE REQUIRED AT FIXTURE		40
	PRESSURE AVAILABLE FOR FRICTION LOSS, a-b-c-d-e		12.67
110	TOTAL EQUIVALENT PIPE LENGTH	X 1.25	137.5
	MAXIMUM FRICTION LOSS PRESS. AVAILABLE X 100'/EQUIV. LENGTH		9.214545
	SYSTEM SIZED FOR 6 PSIG LOSS PER 100'		
	SERVICE SIZE FROM BUILDING PIPING		1 1/2"

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GENERAL NOTES

- NUMBERS SHOWN IN PARENTHESIS, (#), ADJACENT TO LIGHTS AND RECEPTACLES DENOTE CIRCUIT NUMBERS IN FACILITY PANELBOARDS. PROVIDE #12 CONDUCTORS FOR 20A OR 15A CIRCUITS LESS THAN 75 FEET. PROVIDE #10 CONDUCTORS FOR CIRCUITS GREATER THAN 75 FEET. REFER TO PANELBOARD SCHEDULES FOR CIRCUITING.
- COMBINE LIGHTING AND RECEPTACLE CIRCUITS IN A SINGLE CONDUIT TO MINIMIZE LENGTH OF RACEWAYS. CIRCUITS COMBINED INTO A SINGLE CONDUIT SHALL BE SIZED FOR NEC DERATING AND CONDUIT FILL REQUIREMENTS. SEE SECTION 26 00 05.
- SEE DRAWING C04 FOR YARD PIPING COORDINATION.
- ALL TRENCHING SHALL FOLLOW PATH OF FINAL APPROVED EASEMENTS. ONLY PROPOSED EASEMENTS ARE SHOWN.

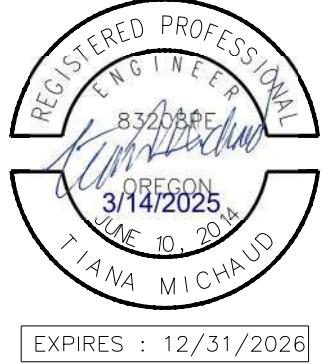
KEY NOTES

- SEE SECTION 26 00 05 FOR PACIFICORP INSTALLATION REQUIREMENTS.
- PROVIDE LITHONIA DSX1 P5 40K 80CRI T5W MVOLT RPA DDxD WITH 10'-0" RSAH HINGED POLE OR EQUALS ALLOWED, SEE SECTION 26 50 00, LIGHTING.
- COORDINATE TOWER REQUIREMENTS WITH OWNER. PROVIDE GROUNDING FOR METAL TOWERS.
- PROVIDE SPLICE KIT FOR HEAT TRACE FOR BACKFLOW PREVENTORS TO BE ON A SINGLE CIRCUIT.
- RECEPTACLE RESERVED FOR GENERATOR COOLANT HEATER. COORDINATE LOCATION WITH APPROVED GENERATOR SUBMITTAL.

REMOVE TOWER REFERENCE

REMOVE HEAT TRACE REFERENCE

ELECTRICAL
SITE PLAN
SCALE: 1" = 20'



QC REVIEW: ZANE WILSTERMAN
DATE: 3/7/2025

THIS LINE IS 1 INCH
AT FULL SCALE IF
NOT SCALE ACCORDINGLY

SCALE: AS SHOWN
DRAWN BY: AG
DESIGNED BY: TAM
PROJ. MGR.: DM

1		ADDENDUM 1	A.H.	5/1/25
No.	ZONE	REVISIONS	BY	DATE



MEDFORD WATER COMMISION
ZONE 2 PUMP STATION

ELECTRICAL SITE PLAN

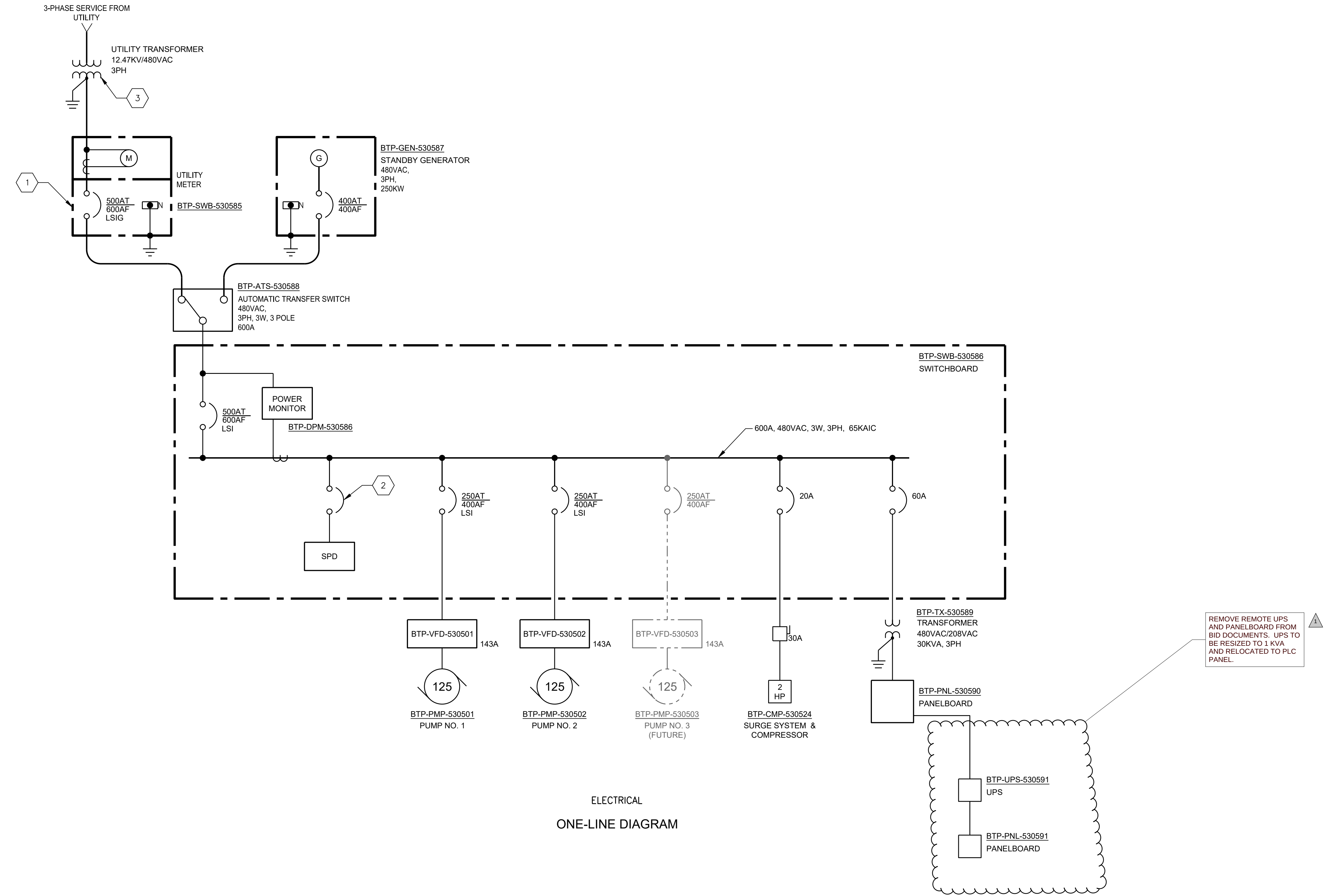
JOB NUMBER
CIP 22-00342

DRAWING NUMBER
E03

SHEET NUMBER
65 OF 80

REVISION

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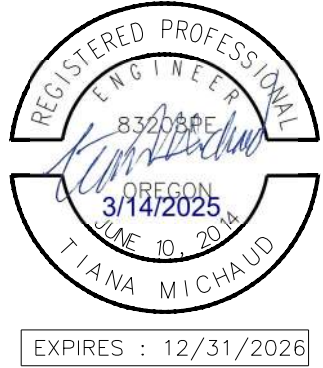
GENERAL NOTES

1. SEE CABLE BLOCK DIAGRAM SHEETS FOR CIRCUITING AND RACEWAY INFORMATION.

KEY NOTES

1. SERVICE ENTRANCE RATED.
2. SIZED BY MANUFACTURER.
3. TO BE COORDINATED WITH UTILITY.

ELECTRICAL
ONE-LINE DIAGRAM



QC REVIEW: ZANE WILSTERMAN
DATE: 3/7/2025

THIS LINE IS 1 INCH
AT FULL SCALE IF
NOT SCALE ACCORDINGLY

SCALE: AS SHOWN
DRAWN BY: AG
DESIGNED BY: TM
PROJ. MGR.: DM

1		ADDENDUM 1	A.H.	5/6/25
No.	ZONE	REVISIONS	BY	DATE



MEDFORD WATER COMMISSION
ZONE 2 PUMP STATION

ELECTRICAL ONE LINE DIAGRAM

JOB NUMBER CIP 22-00342
DRAWING NUMBER E04
SHEET NUMBER 66 OF 80
REVISION

	1	20	1	350	720	1080	900	2	30	8	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42
EXTERIOR LIGHTS	3	20	1					1	20	2																
ELEC/MECH ROOM LIGHTS	5	20	1		200			1	20	4																
PUMP ROOM LIGHTS	7	20	1			264			20	6																
BTP-EF-530592 (PUMP ROOM FAN)	9	20	2	373					30	8																
-	9		-		373				-	-	10															
BTP-EUH-530593 (PUMP RM UNIT HTR)	11	20	2		1500			100	30	12																
-	13	-	-	1500			1200		20	14																
BTP-OU-530592 (ELEC RM MINI SPLIT)	15	30	2		2400		500		20	16																
-	17	-	-			2400																				
SPARE	19	20	1				1000		20	20																
SPARE	21	20	1						20	22																
HEAT TRACE - BACKFLOW PREVENTORS*	23	20	1		100				20	24																
HEAT TRACE - WEST*	25	20	1	100			800		20	26																
HEAT TRACE - EAST*	27	20	1		100		1500		20	28																
SPACE	29	-	-					1000	20	30																
SPACE	31	-	-				500		20	32																
SPACE	33	-	-						-	-	34															
SPACE	35	-	-						-	-	36															
SPACE	37	-	-						-	-	38															
SPACE	39	-	-						-	-	40															
SPACE	41	-	-						-	-	42															
TOTAL LOAD				2323	3073	4264	4220	3500	2000																	
PHASE A LOAD (VA) =								3080																		
PHASE B LOAD (VA) =																										
PHASE C LOAD (VA) =																										

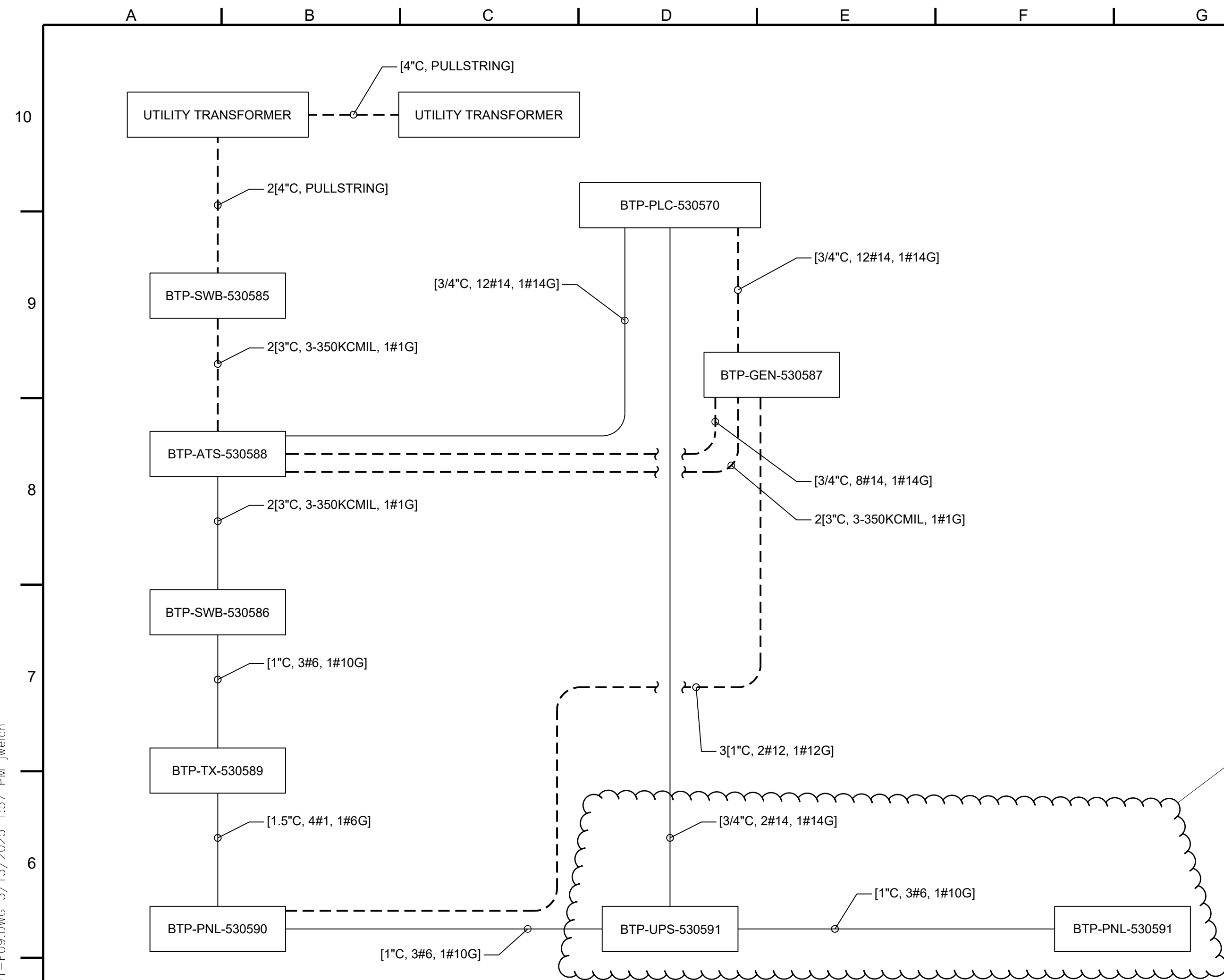
REMOVE 10KVA REMOTE UPS AND PANELBOARD FROM BID DOCUMENTS. RESIZED 1 KVA UPS AND BATTERIES RELOCATED TO PLC PANEL. BTP-NIP-530575 TO BE SUBFERD FROM PLC.

REMOVE HEAT TRACE FROM BID SET

REMOVE BTP-PNL-530591 FROM THE BID SET.

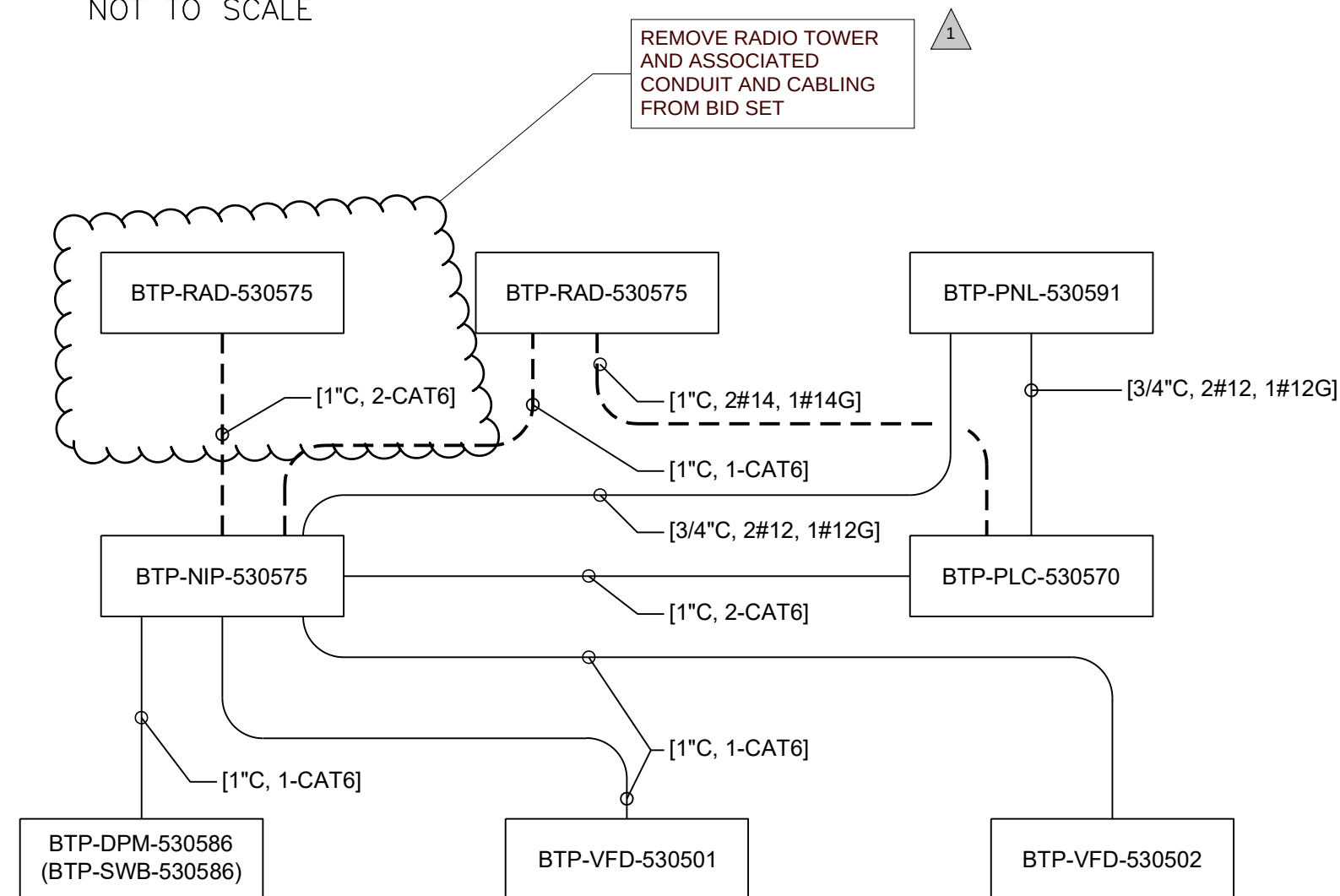
REVISED PHASE B TOTAL LOAD.

ELECTRICAL PANELBOARD SCHEDULE													
PANEL: BTP-PNL-530591 VOLTAGE: 208Y/120 VAC, 1 PHASE, 3 WIRE BUS SIZE: 100 MAIN SIZE: 50 SCCR: SEE SPECIFICATION						LOCATION: ELECTRICAL ROOM MOUNTING: WALL FED FROM: BTP-UPS-530591 MAIN TYPE: BREAKER NOTES:							
CIRCUIT TITLE	BREAKER			LOAD, VA			LOAD, VA			BREAKER			CIRCUIT TITLE
	CKT NO.	AMP	POLE	PHASE			PHASE			POLE	AMP	CKT NO.	
				A	B	C	A	B	C				
SPARE	1	20	1				1000			1	20	2	BTP-PLC-530570
BTP-NIP-530575	3	20	1		500					1	20	4	SPARE
SPARE	5	20	1							1	20	6	SPARE
SPARE	7	20	1							1	20	8	SPARE
SPARE	9	20	1							1	20	10	SPARE
SPARE	11	20	1							1	20	12	SPARE
SPARE	13	20	1							-	-	14	SPACE
SPARE	15	20	1							-	-	16	SPACE
SPARE	17	20	1							-	-	18	SPACE
TOTAL LOAD				0	500	0	1000	0	0				
PHASE A LOAD (VA) = 1000 PHASE B LOAD (VA) = 500 PHASE C LOAD (VA) = 0 TOTAL LOAD (VA)= 1500													



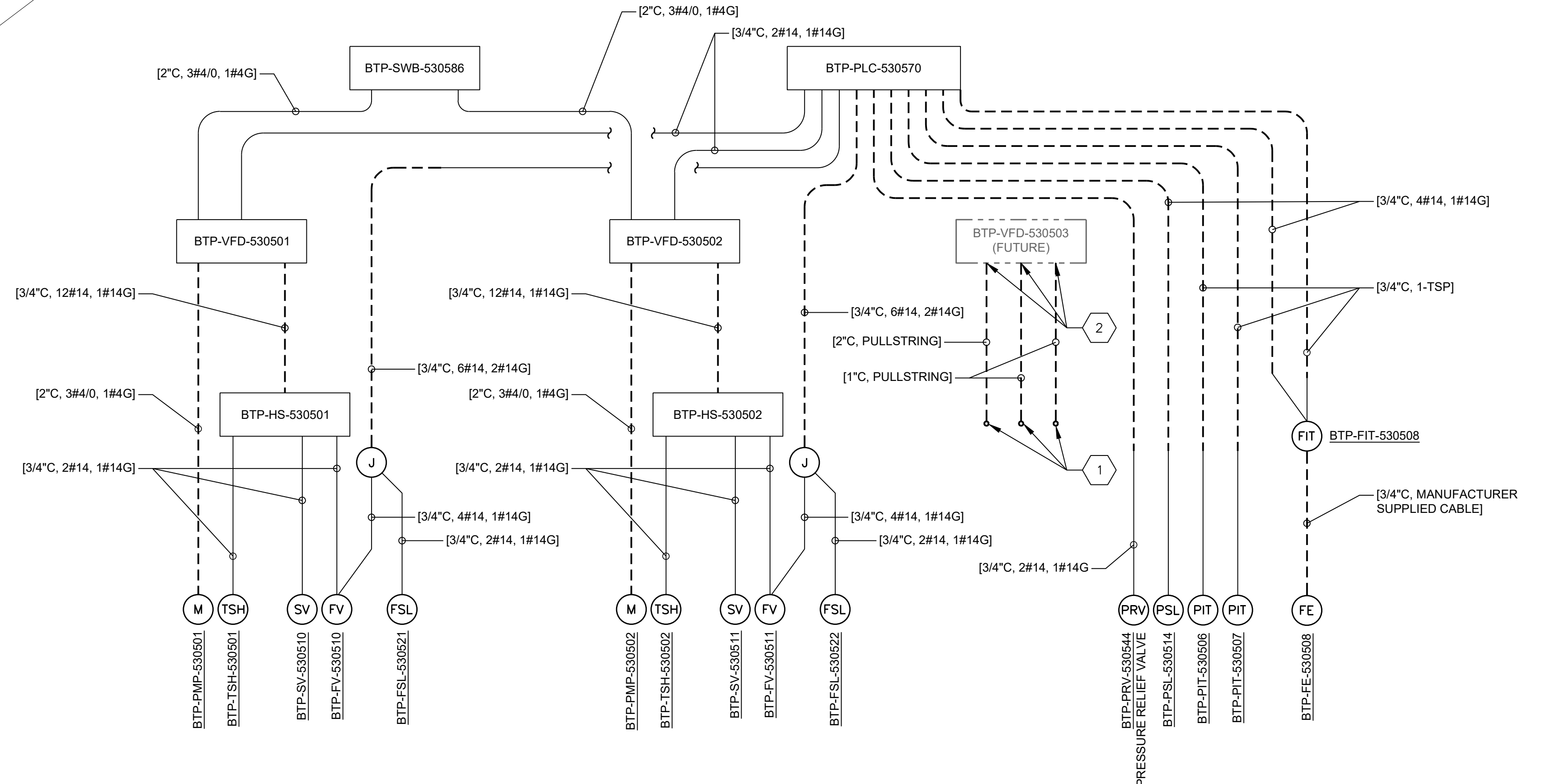
POWER DISTRIBUTION CABLE BLOCK DIAGRAM

NOT TO SCALE



NETWORK EQUIPMENT CABLE BLOCK DIAGRAM

NOT TO SCALE



PUMP CABLE BLOCK DIAGRAM

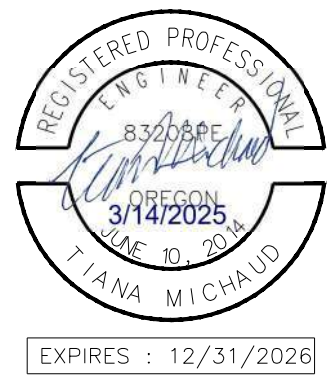
NOT TO SCALE

GENERAL NOTES

1. DASHED LINE INDICATES CONCEALED RACEWAYS.

KEY NOTES

- 1 STUB UP WITHIN 12" OF FUTURE PUMP LOCATION, SEE PLAN DRAWING.
- 2 STUB UP UNDER FUTURE VFD LOCATION, SEE PLAN DRAWINGS.

QC REVIEW: ZANE WILSTERMAN

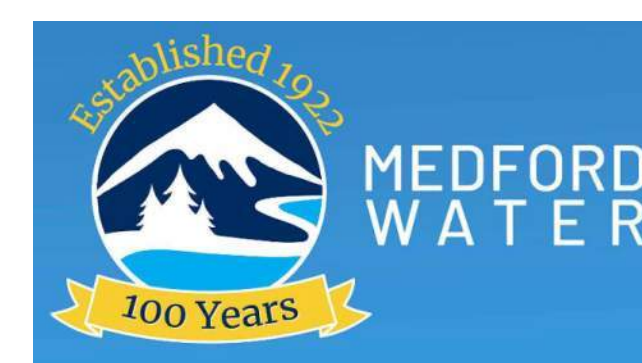
DATE: 3/7/2025

THIS LINE IS 1 INCH

 AT FULL SCALE IF
 NOT SCALE ACCORDINGLY

SCALE : _____ AS SHOWN
DRAWN BY : _____ AG
DESIGNED BY : _____ TAM
PROJ. MGR. : _____ DM

1		ADDENDUM 1	A.H.	5/1/25
No.	ZONE	REVISIONS	BY	DATE



**MEDFORD WATER COMMISSION
ZONE 2 PUMP STATION**

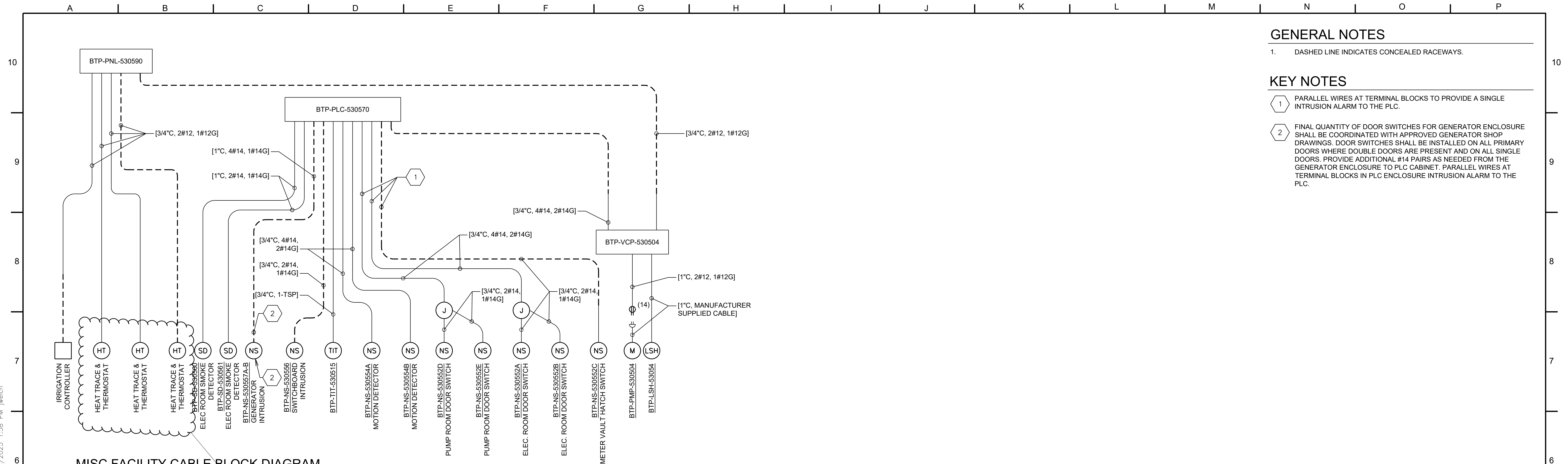
CABLE BLOCK DIAGRAMS - 1

JOB NUMBER
CIP 22-00342

DRAWING NUMBER
E09

SHEET NUMBER
71 OF **80**

REVISION

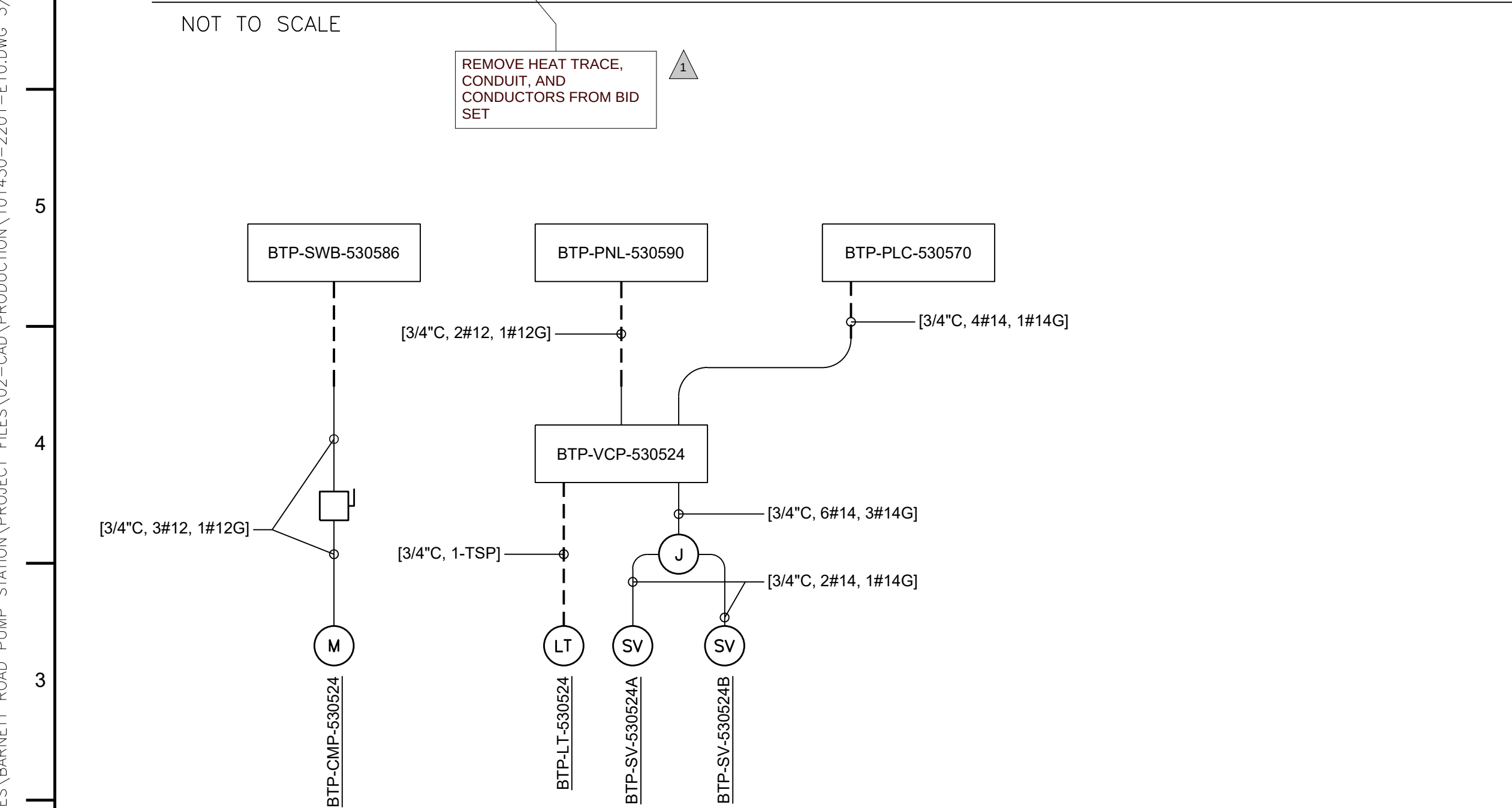


GENERAL NOTES

1. DASHED LINE INDICATES CONCEALED RACEWAYS

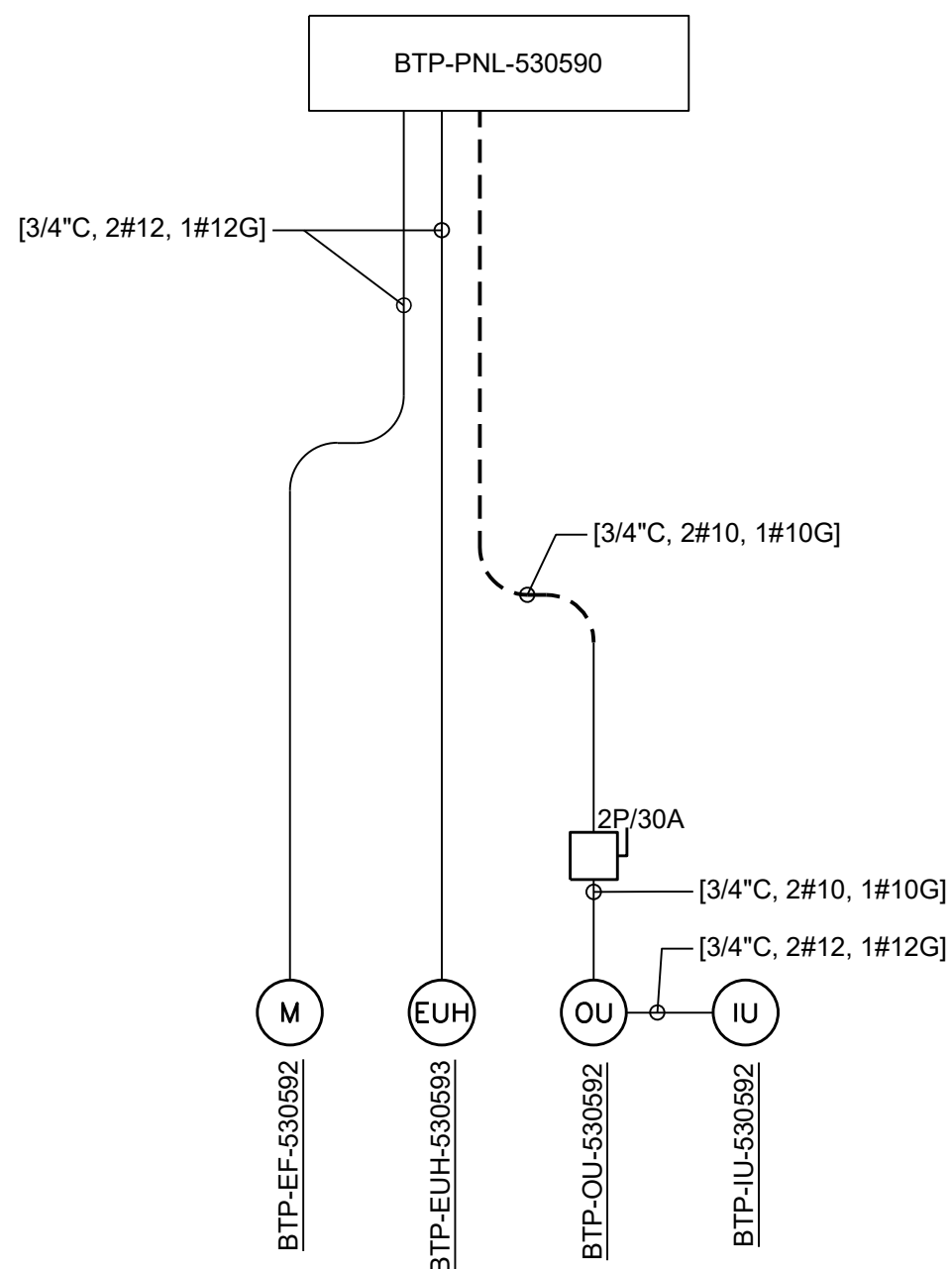
KEY NOTES

- 1 PARALLEL WIRES AT TERMINAL BLOCKS TO PROVIDE A SINGLE INTRUSION ALARM TO THE PLC.
- 2 FINAL QUANTITY OF DOOR SWITCHES FOR GENERATOR ENCLOSURE SHALL BE COORDINATED WITH APPROVED GENERATOR SHOP DRAWINGS. DOOR SWITCHES SHALL BE INSTALLED ON ALL PRIMARY DOORS WHERE DOUBLE DOORS ARE PRESENT AND ON ALL SINGLE DOORS TO PROVIDE ADDITIONAL PAIRS AS NEEDED FROM THE GENERATOR ENCLOSURE TO PLC CABINET. PARALLEL WIRES AT TERMINAL BLOCKS IN PLC ENCLOSURE INTRUSION ALARM TO THE PLC.



COMPRESSOR CABLE BLOCK DIAGRAM

NOT TO SCALE



HVAC CABLE BLOCK DIAGRAM

NOT TO SCALE



QC REVIEW: ZANE WILSTERMAN

DATE: 3/7/2025

THIS LINE IS 1 INCH

 AT FULL SCALE IF
 NOT SCALE ACCORDINGLY

SCALE : _____ AS SHOWN
DRAWN BY : _____ AG
DESIGNED BY : _____ TAM
PROJ. MGR. : _____ DM

1		ADDENDUM 1	A.H.	5/1/25
No.	ZONE	REVISIONS	BY	DATE



MEDFORD WATER COMMISSION ZONE 2 PUMP STATION

CABLE BLOCK DIAGRAMS - 2

JOB NUMBER

CIP 22-00342

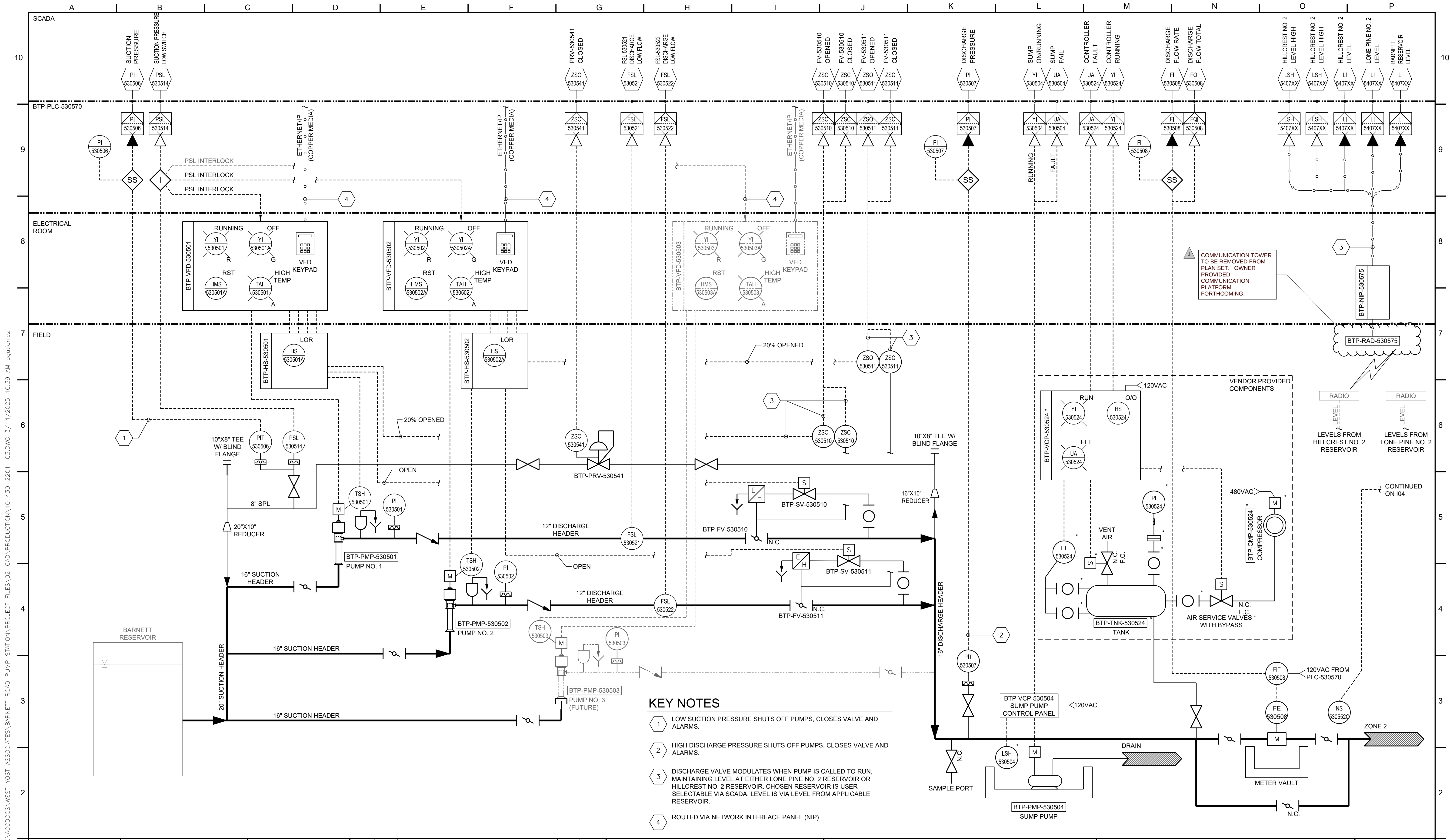
DRAWING NUMBER **110**

LETTER

72 OF 80

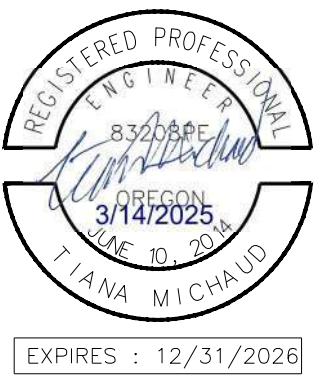
REVISION

C:\USERS\AGUTIERREZ\DC\ACCDGCS\WEST YOST ASSOCIATES\BARNETT ROAD PUMP STATION\PROJECT FILES\02-CAD\PRODUCTION\101430-2201-103.DWG 3/14/2025 10:39 AM agutierrez



KEY NOTES

- 1 LOW SUCTION PRESSURE SHUTS OFF PUMPS, CLOSSES VALVE AND ALARMS.
- 2 HIGH DISCHARGE PRESSURE SHUTS OFF PUMPS, CLOSSES VALVE AND ALARMS.
- 3 DISCHARGE VALVE MODULATES WHEN PUMP IS CALLED TO RUN, MAINTAINING LEVEL AT EITHER LONE PINE NO. 2 RESERVOIR OR HILLCREST NO. 2 RESERVOIR. CHOSEN RESERVOIR IS USER SELECTABLE VIA SCADA. LEVEL IS VIA LEVEL FROM APPLICABLE RESERVOIR.
- 4 ROUTED VIA NETWORK INTERFACE PANEL (NIP).



QC REVIEW: ZANE WILSTERMAN
DATE: 3/7/2025

THIS LINE IS 1 INCH
AT FULL SCALE IF
NOT SCALE ACCORDINGLY
SCALE: AS SHOWN
DRAWN BY: AG
DESIGNED BY: TAM
PROJ. MGR.: DAM

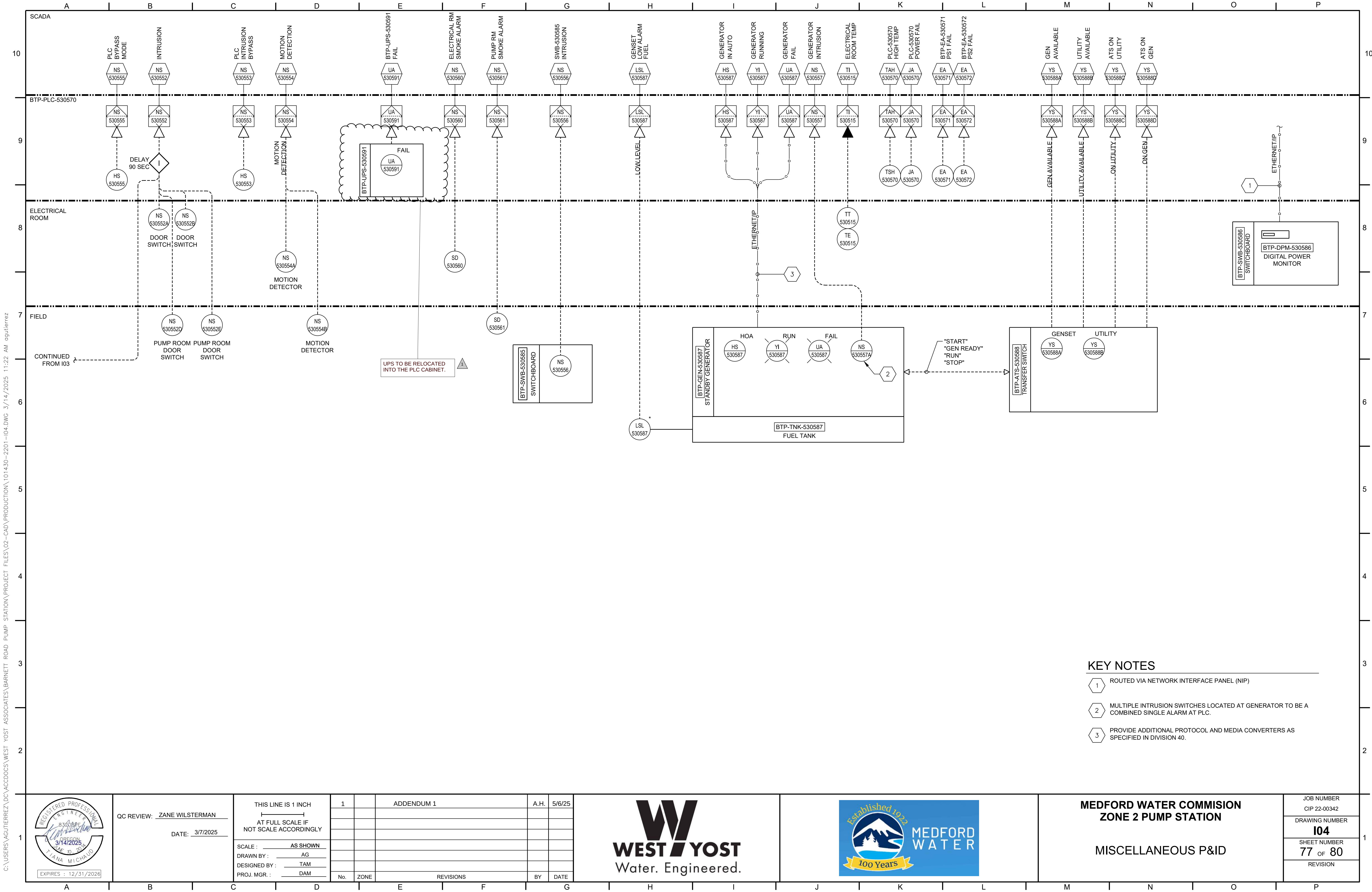
1		ADDENDUM 1	A.H.	5/1/25
No.	ZONE	REVISIONS	BY	DATE



MEDFORD WATER COMMISSION
ZONE 2 PUMP STATION
PUMPING P&ID

JOB NUMBER CIP 22-00342
DRAWING NUMBER 103
SHEET NUMBER 76 OF 80
REVISION

C:\USERS\AGUTIERREZ\DC\ACCDGCS\WEST YOST ASSOCIATES\BARNETT ROAD PUMP STATION\PROJECT FILES\02-CAD\PRODUCTION\101430-2201-104.DWG 3/14/2025 11:22 AM ogutierrez



QC REVIEW: ZANE WILSTERMAN
DATE: 3/7/2025

THIS LINE IS 1 INCH
AT FULL SCALE IF
NOT SCALE ACCORDINGLY

SCALE: AS SHOWN
DRAWN BY: AG
DESIGNED BY: TAM
PROJ. MGR.: DAM

1		ADDENDUM 1	A.H.	5/6/25
No.	ZONE	REVISIONS	BY	DATE



MEDFORD WATER COMMISION
ZONE 2 PUMP STATION

MISCELLANEOUS P&ID

JOB NUMBER
CIP 22-00342
DRAWING NUMBER
104
SHEET NUMBER
77 OF 80
REVISION

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GENERAL NOTES

1. ASSEMBLY SHALL HAVE 10,000 AMPS SCCR.
2. PLC CABINET SHALL MEET UL 508A REQUIREMENTS AND SHALL BEAR UL 508A CONTROL PANEL ASSEMBLY LABEL.

KEY NOTES

1. PROVIDE NAMEPLATE INFORMATION REQUIRED PER NFPA 70, ARTICLE 409.110 (MANUFACTURER NAME, SUPPLY VOLTAGE RATING, NUMBER OF PHASES, FREQUENCY, FULL LOAD CURRENT, FED FROM ###, SCCR).

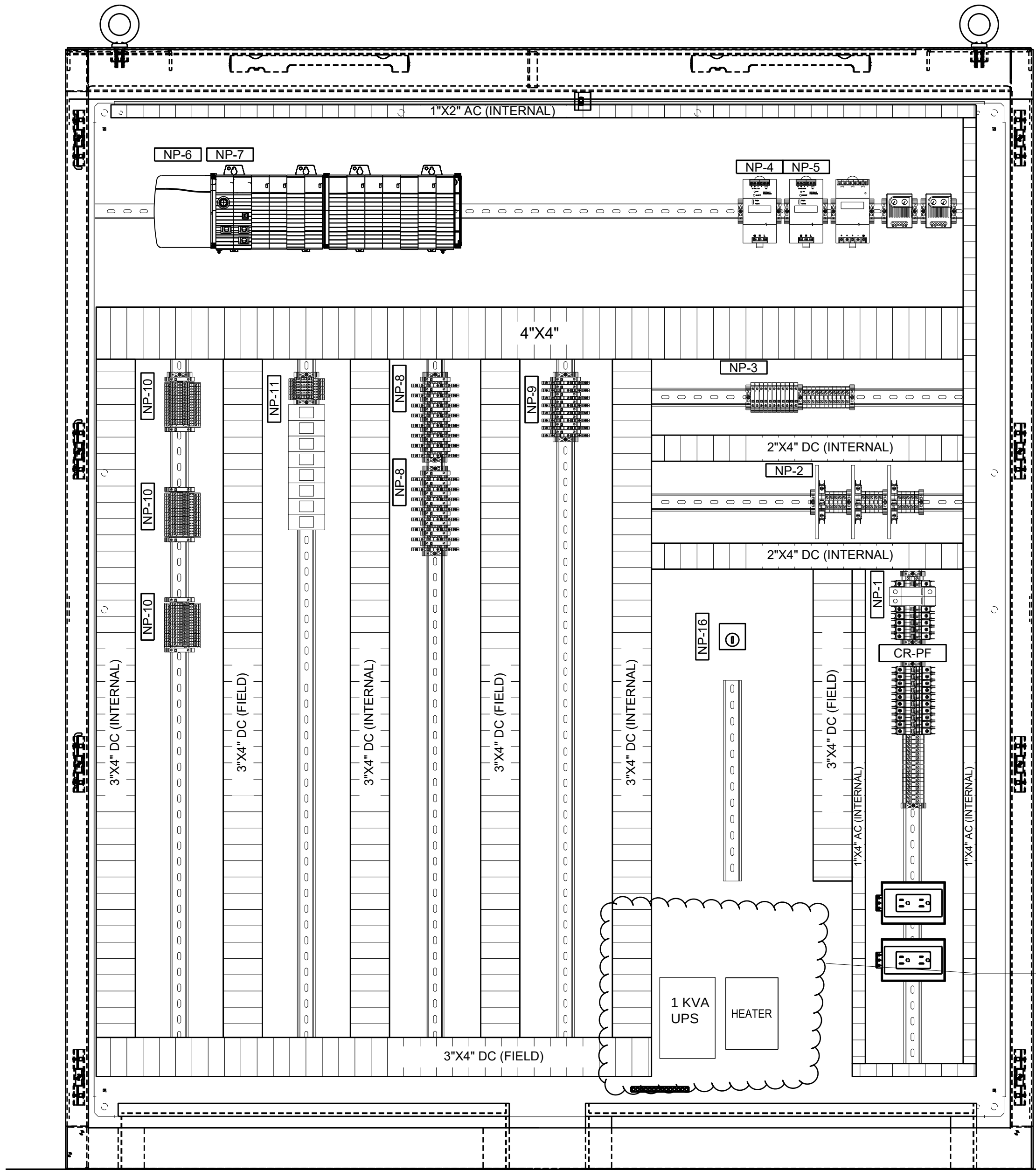
LEGEND

NP-##

NAMEPLATE SYMBOL, SEE NAMEPLATE SCHEDULE ON THIS SHEET.

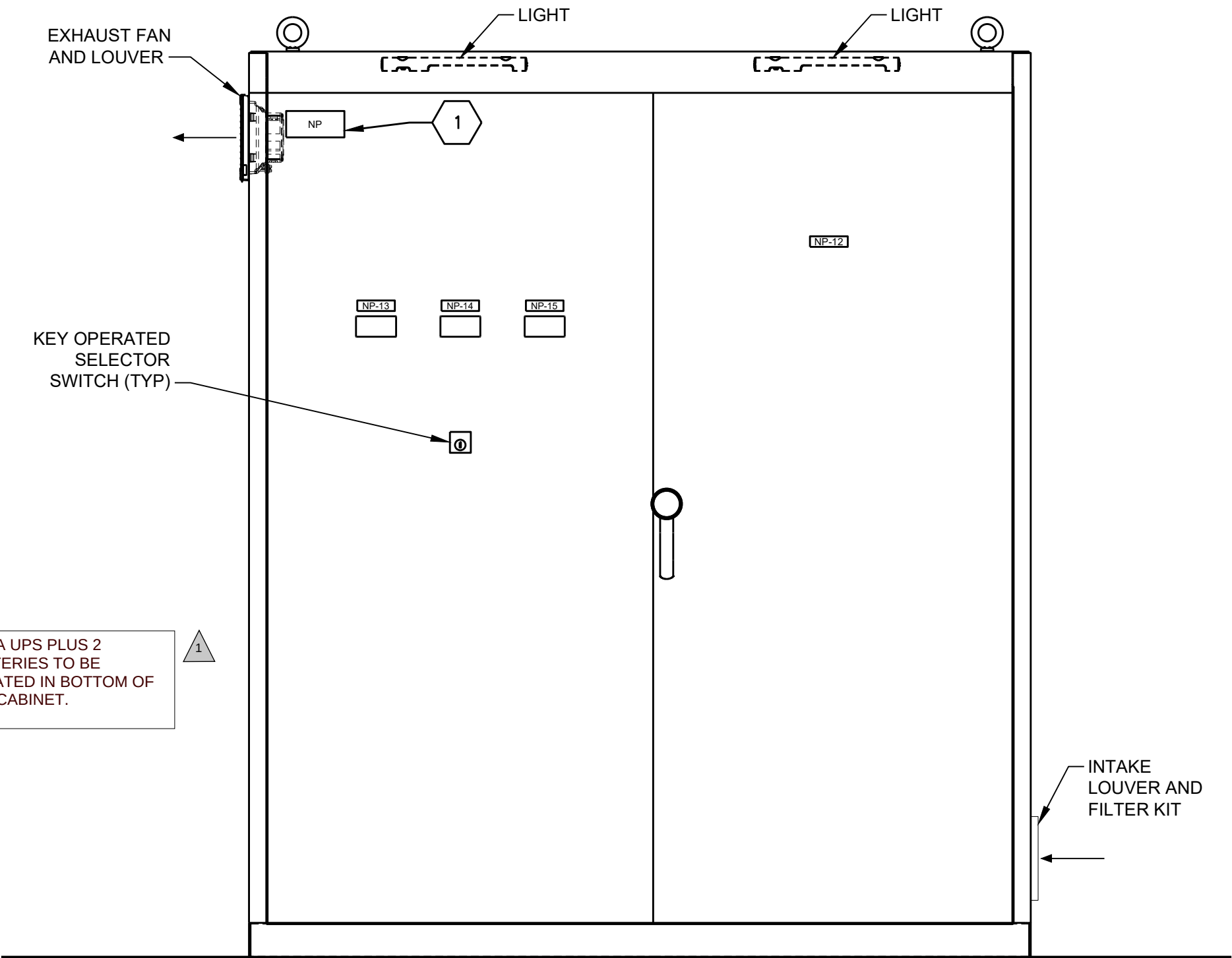
NAMEPLATE SCHEDULE

TAG	FONT	SIZE	LINE 1	LINE 2	LINE 3
NP-1	ARIAL 1/4"H	1" X 3"	INCOMING	120VAC POWER	
NP-2	ARIAL 1/4"H	3/4" X 1"	SIGNAL	SPLITTERS	
NP-3	ARIAL 1/4"H	1" X 3"	24VDC POWER		
NP-4	ARIAL 1/4"H	3/4" X 1"	PS-1		
NP-5	ARIAL 1/4"H	3/4" X 1"	PS-2		
NP-6	ARIAL 1/4"H	3/4" X 1"	PS-3		
NP-7	ARIAL 1/4"H	3/4" X 1"	PLC-530570		
NP-8	ARIAL 1/4"H	3/4" X 1"	ANALOG	INPUT	
NP-9	ARIAL 1/4"H	3/4" X 1"	ANALOG	OUTPUT	
NP-10	ARIAL 1/4"H	3/4" X 1"	DISCRETE	INPUT	
NP-11	ARIAL 1/4"H	3/4" X 1"	DISCRETE	OUTPUT	
NP-12	ARIAL 3/4"H	4" X 6"	PLC CABINET	BTP-PLC-530570	
NP-13	ARIAL 1/4"H	1" X 3"	SUCTION	PRESSURE	
NP-14	ARIAL 1/4"H	1" X 3"	DISCHARGE	PRESSURE	
NP-15	ARIAL 1/4"H	1" X 3"	STATION	FLOW	
NP-16	ARIAL 1/4"H	3/4" X 1"	PLC	BYPASS	
NP-17	ARIAL 1/4"H	3/4" X 1"	UPS		



BTP-PLC-530570 CABINET INTERIOR ELEVATION

SCALE: NOT TO SCALE



BTP-PLC-530570 CABINET EXTERIOR ELEVATION

SCALE: NOT TO SCALE



QC REVIEW: ZANE WILSTERMAN
DATE: 3/7/2025

THIS LINE IS 1 INCH
AT FULL SCALE IF
NOT SCALE ACCORDINGLY
SCALE: AS SHOWN
DRAWN BY: AG
DESIGNED BY: TAM
PROJ. MGR.: DAM

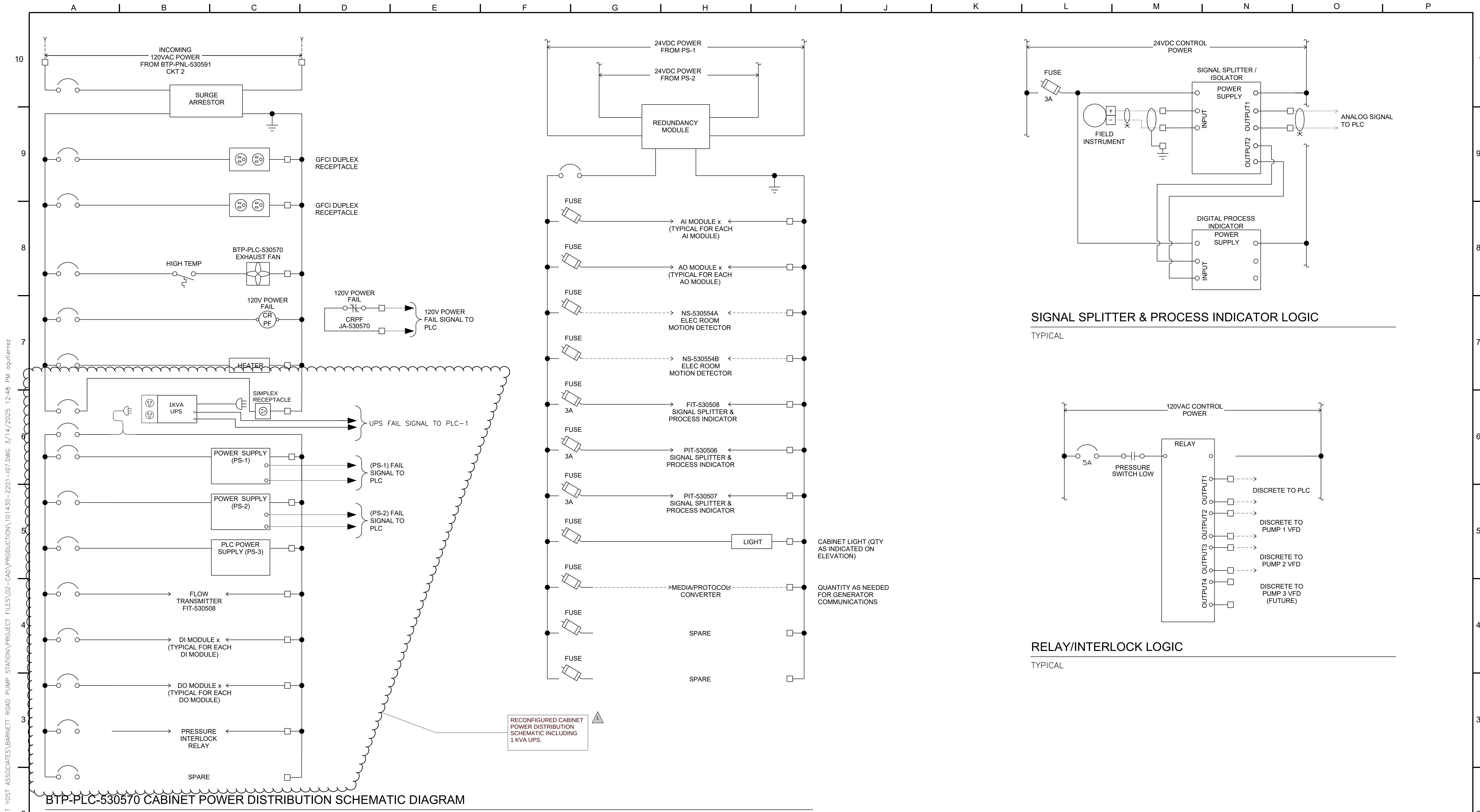
1		ADDENDUM 1	A.H.	5/6/25
No.	ZONE	REVISIONS	BY	DATE



MEDFORD WATER COMMISION
ZONE 2 PUMP STATION
CONTROL PANEL LAYOUT

JOB NUMBER
CIP 22-00342
DRAWING NUMBER
106
SHEET NUMBER
78 OF 80
REVISION

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QC REVIEW: ZANE WILSTERMAN
DATE: 3/7/2025

THIS LINE IS 1 INCH
AT FULL SCALE IF
NOT SCALE ACCORDINGLY

SCALE: AS SHOWN
DRAWN BY: AG
DESIGNED BY: TAM
PROJ. MGR.: DAM

1		ADDENDUM 1	A.H.	5/6/25
No.	ZONE	REVISIONS	BY	DATE



MEDFORD WATER COMMISION
ZONE 2 PUMP STATION

CONTROL PANEL POWER DIAGRAM

JOB NUMBER CIP 22-00342
DRAWING NUMBER 107
SHEET NUMBER 79 OF 80
REVISION