

#### JORDAN VALLEY WATER CONSERVANCY DISTRICT WEST JORDAN, UTAH

#### JORDAN VALLEY WATER TREATMENT PLANT FILTER AND CHEMICAL FEED UPGRADES

#### **JVWCD PROJECT #4289**

ADDENDUM NO. 1 TO THE CONTRACT DOCUMENTS

**APRIL 2025** 





Bidders on the above-named project are hereby notified that the Bidding Documents are modified as indicated below. Bidders are required to acknowledge receipt of this Addendum in the space provided on the Document C-1 Bid Form.

This addendum consists of the following items:

ADDENDUM ITEM	NO. OF PAGES
This document (including cover page)	8
ATTACHMENTS:	
Division 0 – Page C-5 – BID ALTERNATE SCHEDULE	1
Specification 01230 – ALTERNATES	1
DRAWINGS	40
Responses to Contractor Questions	2
Excel Version of Conduit Schedules – FOR REFERENCE ONLY	10 files

This Addendum shall become part of the Contract and provisions of the Contract apply.

The bid date and time remains the same at 2:00 pm on May 15, 2025.

## SPECIFICATIONS

The following sections are modified as indicated below.

- 1. DIVISION 0:
  - a. **ADD** the following paragraph AFTER the paragraph titled "AWARD OF CONTRACT":

In evaluating Bids, the Owner will consider compliance with the prescribed requirements, including the alternates and other data as requested in the Bid Form. The evaluation of bids will be based on the total bid price, including any owner selected bid alternates.

b. On page C-3 REPLACE the word "electric" with "pneumatic" as shown in the following paragraph in the POWDER ACTIVATED CARBON DUST HAZARD MITIGATION ALLOWANCE SCHEDULE, row 5:

Knife Gate Controls: Pneumatic actuator on knife gate valve with a sensor to automatically close the knife gate when filled.

- c. ADD the attached page C-5 after page C-4, providing a new BID ALTERNATE SCHEDULE, which shall be included in Bid.
- 2. SECTION 01230 ALTERNATES:
  - a. **ADD** the attached section, in it's entirety.
- 3. SECTION 01140 WORK RESTRICTIONS

- a. **ADD** the following paragraphs as sub-paragraphs to 1.04.A:
- 1. Contractor access to the site is not permitted from the north (via 15000 S or 3200 W).

2. See 01500 – Temporary Facilities and Controls for additional requirements on site access.

- 4. SECTION 01500 TEMPORARY FACILITIES AND CONTROLS
  - a. **ADD** the following paragraphs after 1.06.A:

B. Contractor shall provide a gate attendant to facilitate secure access to the site any time more than ten (10) entries through the plant gates per day anticipated within a rolling 8 hour period.

1. Gate attendant shall be located outside the south entry gate, providing controlled access to the site from Mountain View Corridor. See 01140 – Work Restrictions, for additional plant access constraints.

2. The Owner will provide the Gate attendant with a Contractor specific remote gate operator and/or keycard to allow entry of authorized construction personnel.

3. Gate attendant shall log all project associated construction traffic through the gate, recording the name of entrant(s), entry time/date, reason for entry, and exit time.

- 5. SECTION 09960 HIGH PERFORMANCE COATINGS:
  - a. **REPLACE** the following paragraph in Section 3.12.C:
    - C. Galvanized structural steel framing, non-exposed portions of galvanized roof decking, galvanized pipe supports.
  - b. Attachment A Schedules of Surfaces to be Coated:
    - 1) ADD the following to the VE-C-1 row in the table in section A:

"All concrete surfaces inside the caustic chemical containment areas and tank offloading/fill sump, as shown on the structural drawings, including inside of containment wall surfaces (up to 3 ft above finished floor where indicated), top of containment wall surfaces, sump area, equipment pads, and tank pads."

2) ADD the following to the Notes, Item 1 in the table in section A:

"m. Exposed (underside) of galvanized roof decking."

- 6. SECTION 13207 STRAND WOUND CIRCULAR PRESTRESSED CONCRETE TANK:
  - a. **ADD** the following paragraphs to 2.01.1.7:

c. roof access hatches shall have the following features, per the requirements of Utah Administrative Code section R309-545-14:

- 1) Framed a minimum of 4" above the roof surface
- 2) A shoebox type lid with 2" overhang around frame, gasket
- 3) No surface penetrations
- 4) Designed with a lock
- b. **AMMEND** paragraph 2.01.I.10.b.5 for the roof ventilator as follows:

5) Insect screens with non-corrodible No.14 (or finer) mesh screen. Vents 6" or greater in diameter shall have an additional heavy gage screen to protect the fine mesh screen.

- 7. SECTION 13270 PAC STORAGE AND HANDLING SYSTEM:
  - a. **REMOVE** ", and booster pump" from the following paragraph in section 2.05.K.2:
    - 1) The eductor shall be equipped with a motive water line assembly complete with a manually operated isolation ball valve, a pressure reducing valve with integral strainer, a low-pressure switch, a pressure gauge, and booster pump.
  - b. **REMOVE** "booster pump" from the following paragraph in section 2.05.N:
    - 1) The Contractor is responsible for the interconnected piping, wiring, and conduit to connect the booster pump, air compressor, and panels to the respective tie-in points within the silo system.
- 8. SECTION 15112 BUTTERFLY VALVES
  - a. **ADD** the following paragraphs after 2.03:

#### 2.04 DOUBLE ECCENTRIC/OFFSET BUTTERFLY VALVES

- A. Manufacturers: One of the following or equal:
  - 1. VAG; EKN (Double Eccentric Rubber Seated).
  - 2. AV-Tek; DEX Double Eccentric Butterfly Valve.
- B. Butterfly Valve Water Works Service 3 Inches to 72 Inches:
  - 1. Design and Operating Requirements:
    - a. Valves shall be rated to 250 psi, with ANSI B16.5 and B16.47, Class 150 Series A raised face flanges. Each valve shall be drip tight in both directions.
  - 2. Elastomeric Seal:
    - a. Valve seats shall be EPDM mounted on the valve disc with Type 316 stainless steel fasteners. It shall be one continuous 360-degree elastomeric ring. It shall not be penetrated by fasteners. The seat shall be field replaceable and adjustable in line. It shall not require special tools or skill sets to replace the seat. Seat removal, replacement and readiness for service must be able to be accomplished in a maximum of 8 hours. Seat methods which do not comply or which use hardened epoxy or grout in a dovetailed groove are not acceptable.
  - 3. Body:
    - a. Valve bodies shall be ductile iron ductile iron, ASTM A536 65-45-12 or ASTM A536 60-40-18. Shear stress vulnerable cast iron is not allowed. Valve body shall include a stainless steel stamped or engraved tag indicating manufacturer and reference build data. Valve build data shall be made available upon request by the Owner and shall be retained by the manufacturer for no less than 2 times the expected valve life.
  - 4. Disc:
    - a. For valves sizes 3 inches to 20 inches disc shall be ductile iron. For valve sizes 24 inches and larger, disc shall be ductile iron, ASTM A536 65-45-12 or ASTM A536 60-40-18. Disc elastomeric seal retainer shall be Type 316 stainless steel. Disc shall be mechanically fastened to valve shaft using Type 316 (or higher quality alloy) stainless steel tangential shaft pins. Where disc pins extend completely through valve, disc pins shall be mechanically retained or fastened.

- 5. Shaft:
  - a. Shafts shall be stainless steel ASTM A276 Type 316. Valve shaft material shall be suitable for the application, pressure and velocity.
- 6. Metallic Seat:
  - a. The metallic valve seat shall be located in the valve body. It shall be stainless steel alloy. There shall be no gap between the valve body and metallic body seat and consequently no potential for corrosion or lifting of seat. The seat shall be applied through a high alloy weld overlay process.
- 7. Shaft Seals:
  - Shaft seals shall not need periodic manual adjustment. They shall be а multi-O-ring seals protecting both the outside and inside diameter of the shaft bearings. They shall prevent pressurized system water from entering the uncoated valve disc hub and valve body shaft bore. The valve shaft shall remain nonwetted and unpressurized. The nonwetted shaft shall allow the actuator to be removed without dewatering the pipeline. It shall prevent debris and system pressurized water from entering into the uncoated valve body shaft bore. It shall prevent waters or contaminated media, external to the valve, from entering through the valve shaft under vacuum/negative pressure conditions in the pipeline such as at line break. It shall additionally prevent an ingress breach where external hydrostatic forces exceed pipeline pressures such as in dewatered pipelines. Neither manual pulldown packing glands nor braided packing are allowed. Outer shaft seals shall be replaceable cartridge type, bolted to the valve body and shall not be held in place with an adapter plate or by the valve actuator.
- 8. Shaft Bearings:
  - a. Valve shaft bearings shall be corrosion resistant, self-lubricating sleeve type made of bronze, stainless steel or stainless steel backed PTFE. Bearing choice and consequent bearing friction shall be correctly added to valve input torque requirements.
- 9. Strength:
  - a. The proportion and dimensions of all parts of the valve and actuator shall be designed to withstand, without failure, the stresses occurring under the testing and operating conditions. The maximum allowable stress in any material shall not exceed 1/5 of the ultimate tensile strength or 1/3 of the minimum yield strength.
- 10. Hardware:
  - a. All fasteners and hardware shall be Type 316 stainless steel.
- 11. Paint and Coatings:
  - a. Fusion bond line and coat valves 24 inches and smaller. If coatings are damaged in shipping or installation valve shall be totally recoated in the field.
  - b. Line and coat valves larger than 24 Inches with 10 mils of NSF 61 approved 2-part liquid epoxy. All sharp edges to be coated shall be beveled/radiused to assure consistent coating thickness. Include in coating inspection report at least six locations where edges are most sharp for the complete circumference of sharp edge to assure proper coating and compliance. Compliance of proper beveling of all sharp edges with proper coating of carbon steel valves will be strictly enforced as a condition of providing a proper continuous water service valve.

- 9. SECTION 15936 INSTRUMENTATION AND CONTROL DEVICES FOR HVAC:
  - a. **REPLACE** "the unit will send a "smoke" alarm to the SCADA system. Upon smoke detection SCADA will shut down the HVAC units within the space." with "it will shut down the unit and send a "smoke" alarm to the PLC." in each place it appears in paragraph 2.08 for HVAC Control Descriptions:
  - b. REPLACE "be interlocked" with "operate" in paragraphs 2.08.B.5.a.5, B.5.b, B.5.c, B.5.e.1 for Chlorine Storage and Chlorinator Room Control Sequences.
  - c. REPLACE "be interlocked" with "operate" in paragraphs 2.08.C.2.b.4, C.2.c, C.2.e, for Caustic Storage Control Strategies.
  - d. ADD "hardwired" in front of "duct mounted smoke detector" in each place it appears in paragraph 2.08 for HVAC Control Descriptions.
- 10. SECTION 16235 SINGLE SPARK-IGNITED GENERATOR SET:
  - a. **DELETE** paragraph 2.02.E.3 and 2.02.E.3.a.
- 11. SECTION 16990A CONDUIT SCHEDULE AREA 01:
  - a. **REPLACE** conduits L-01-061, L-01-062, L-01-063, L-01-064, N-01-502, N-01-503, N-01-504, N-01-521, and N-01-931 with the following:

										-
L-01-061	01E02	2"	2	#8	XHHW-2	1	#8	XHHW-2	FR:	PNL-CELL L-01-062
									TO:	PB-18
										2 #8 >> PNL-CELL POWER
L-01-062	02E03	2"	2	#8	XHHW-2	1	#8	XHHW-2	FR:	PB-18 L-01-063
									TO:	PB-15
										2 #8 >> PNL-CELL POWER L-01-061
L-01-063	02E01	2"	2	#8	XHHW-2	1	#8	XHHW-2	FR:	PB-15 L-01-064
									TO:	PB-14
										2 #8 >> PNL-CELL POWER L-01-062
L-01-064	02E01	2"	2	#8	XHHW-2	1	#8	XHHW-2	FR:	PB-14
									TO:	RTU-CS
										2 #8 >> PNL-CELL POWER L-01-063
N-01-502	01E02	2"	4	2/C-#14		1	#14	XHHW-2	FR:	CALLBOX N-01-503
			1	3/CS-#16					TO:	WEST GATE OPERATOR
										2 2/C-#14 >> CALLBOX NETWORK (TEMP)
										2 2/C-#14 >> CALLBOX NETWORK (PERMANENT)
										1 3/CS-#16 >> GATE CARD READER NETWORK
N-01-503	02E03	2.5"	4	2/C-#14		1	#14	XHHW-2	FR:	WEST GATE OPERATOR N-01-504
			1		CAT6				TO:	PB-15
			1		12/FO					1 CAT6 >> S SECURITY GATE CAMERA NETWORK N-01-501
			1	3/CS-#16						2 2/C-#14 >> CALLBOX NETWORK (TEMP) N-01-502
										2 2/C-#14 >> CALLBOX NETWORK (PERMANENT) N-01-502
										1 3/CS#16 >> GATE CARD READER NETWORK
										1 12/FO >> S SECURITY GATE NETWORK
N-01-504	02E03	2"	2	2/C-#14		1	#14	XHHW-2		PB-15 N-01-521
			1		CAT6				TO:	PB-18
			1		12/FO					1 CAT6 >> S SECURITY GATE CAMERA NETWORK N-01-503
			1	3/CS-#16						2 2/C-#14 >> CALLBOX NETWORK (TEMP) N-01-503
										1 3/CS-#16 >> GATE CARD READER NETWORK N-01-503
						L	L			1 12/FO >> S SECURITY GATE NETWORK N-01-503
	1	1				1				
N-01-521	01E02	2.5"	2	2/C-#14	r	1	#14	XHHW-2	FR:	PB-18 (INTERCEPTED FIBER OPTIC TO CULINARY RESERVOIR)
11-01-021	UTEUZ	2.5	1	2/0-#14	CAT6		#14	7000-2	TO:	ELECTRONICS ENCLOSURE
			2		12/FO	-			10.	1 CAT6 >> S SECURITY GATE CAMERA NETWORK N-01-504
			2	3/CS-#16	12/FU					
			1	3/65-#16						
										1         3/CS#16         >>         GATE CARD READER NETWORK         N-01-504           1         12/FO         >>         CULINARY RESERVOIR NETWORK
										I IZIFU >> CULINARY RESERVOIR NETWORK
<u> </u>	<u></u>	<u>t</u>				<u>†******</u>				
N-01-931	30E19	1.5"	1	PULL	ROPE	1			FR:	EXISTING PULLBOX
14 0 1-00 1	69E01			. 566	NOTE				TO:	MCC-B1 ROOM CABLE TRAY
	00201					L				1 PULL >> SPARE
p	1	<b></b>				<b>1</b>	p			

#### b. **DELETE** conduits N-01-511, N-01-932.

#### 12. SECTION 16990B - CONDUIT SCHEDULE - AREA 30:

a. **REPLACE** conduits N-30-010, N-30-695 with the following:

N-30-010	30E03	0.75"	1	CAT5E	1	#14	XHHW-2	FR:	MCC-BL
								TO:	RTU-BL
									1 CAT5E >> MCC-BL POWER MONITOR NETWORK
							-		
N-30-695	30E19	1"	1	CAT6	1	#14	XHHW-2	FR:	LOI-FB
N-30-695	30E19	1"	1		1	#14	XHHW-2	FR: TO:	LOIFB LEVEL 2 NETWORK ROOM PATCH PANEL
N-30-695	30E19	1"	1		1	#14	XHHW-2	FR: TO:	LOI-FB

13. SECTION 16990D - CONDUIT SCHEDULE - AREA 55:

a. **REPLACE** conduits P-55-101 and P-55-102 with the following:

P-55-101	02E02	4"	1	500	XHHW-2	1	#1	XHHW-2	FR:		GEN-5501	
									TO:		SWBD-CPS	
										1 500	>> GEN-5501 POWER	
P-55-102	02E02	4"	1	PULL	ROPE		#1		FR:		GEN-5501	
	1								TO:		SWBD-CPS	
1												
										1 PULL	>> SPARE	

#### 14. SECTION 17050:

a. **ADD** the following to paragraph 2.02 K:

The owner will design the back panel of the control panels and provide the sizes required to the contractor for purchase.

- 15. SECTION 17720 PROGRAMMABLE LOGIC CONTROLLERS:
  - a. **REPLACE** the words in paragraph 1.10.A.3 "for every power supply" with "for each type of power supply".

## DRAWINGS

Note to Bidders on addenda drawings: The addenda drawings make use of color coding to show revisions made by addendum. The following color codes are used, for clarity:

- Red is used to highlight additions, corrections, or changes that are incorporated into the drawing.
- Green is used to indicate items that shall be removed or deleted from the drawing.
- Blue is used for comments, notes, clarifications, or instructions that may not be physically added to the drawing itself.

The following drawings are modified as indicated below.

1. REPLACE the following drawings in their entirety with the drawings attached:

a.	00G11	u.	03E22
b.	00G12	v.	30E03
C.	00G14	w.	30E19
d.	01DE01	х.	63E04
e.	55DE01	у.	63E14
f.	30D07	z.	65E04
g.	01C01	aa.	69E01
h.	00GA01	bb.	71E02
i.	63A01	CC.	00GN07
j.	63A06	dd.	03N03
k.	30S01	ee.	03N04
I.	65S02	ff.	03N05
m.	41M02	gg.	03N06
n.	63M04	hh.	05N02
0.	01E02	ii.	05N03
p.	01E03	jj.	06N14
q.	01E04	kk.	06N16
r.	03E02	II.	62N02
s.	03E03	mm	n.65N01
t.	03E20	nn.	71N01

### **BID ALTERNATE SCHEDULE**

Alternate	Description	Price (\$)
А	High Performance Butterfly Valves	\$
В	NOT USED	\$
С	NOT USED	\$
D	NOT USED	\$
E	NOT USED	\$

NOTES:

(1) See specification section 01230 - Alternates for a description of bid alternates.

#### **SECTION 01230**

#### ALTERNATES

#### PART 1 GENERAL

#### 1.01 SUMMARY

A. Section includes: Identification and description of Alternates.

#### 1.02 PROCEDURES

- A. Alternates will be exercised at Owner's option.
- B. Coordinate related work and modify surrounding work as required to complete the Work, including changes under Alternates accepted by Owner in Notice of Award.

#### 1.03 ALTERNATES

- A. Alternate A Butterfly Valves:
  - 1. Base Bid: Provide butterfly valves in accordance with specification 15122 paragraph 2.02. All butterfly valves shall be general purpose AWWA butterfly valves (BFFV00) unless specifically indicated otherwise.
  - 2. Alternate: Provide butterfly valves in accordance with specification 15122 paragraph 2.04. All butterfly valves shall be high performance butterfly valves unless specifically indicated otherwise.

#### PART 2 PRODUCTS (NOT USED)

#### PART 3 EXECUTION (NOT USED)

END OF SECTION

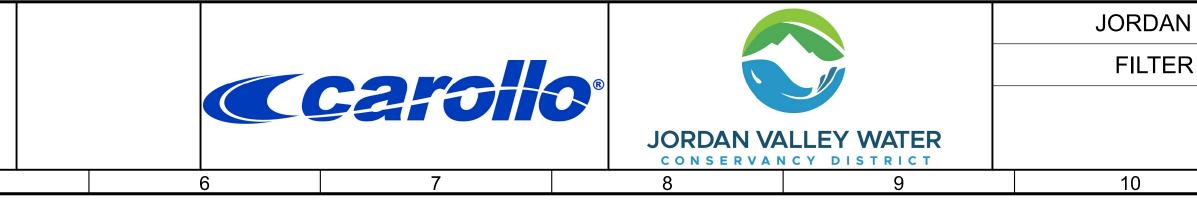
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		GR	GRAVITY METHOD				
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0-FE		LH SC	LOW HEAD METHOD SPECIAL CASE				
				NATE PIPE MATERIAL:			
Plot Date:		BSP	BLACK STEEL PIPE				
Plot		CI	CAST IRON CAST IRON SOIL PIP	E			
		CPVC	CHLORINATED POLY	VINYL CHLORIDE			
		DIP FRP	DUCTILE IRON PIPIN FIBERGLASS REINFO				
		GSP	GALVANIZED STEEL				
		HDPE					
	В	PVC RGRCP	POLYVINYL CHLORIE RUBBER GASKETED	DE REINFORCED CONCRETE PIPE			
>		SST	STAINLESS STEEL				
svcPW			VITRIFIED CLAY PIPI				
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		SCH		ED BY THE DESIGNATION			
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		B&SP	BELL & SPIGOT				
		BFW	BUTT FUSION WELD				
	С	BW BZD	BUTT-WRAPPED BRAZED				
		CF	COMPRESSION FITT	ING			
		FL					
		FLR GE	FLARED GROOVED END JOIN	IT			
		MJ	MECHANICAL JOINT				
	_	NH					
		PO PRF	PUSH ON PRESS FIT				
		RMJ	RESTRAINED MECH				
		RPO SCRD	RESTRAINED PUSH	ON			
		SCRD	SCREWED SOCKET FUSION WE	LD			
	D	SLD	SOLDERED				
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		СТР	COAL TAR PITCH				
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0905		FBE	FUSION BONDED EP	OXY			
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ĭd P		PEN	POLYETHYLENE ENG				
S ol	E	PTW	POLYETHYLENE TAP				
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## PIPE SCHEDULE

ABBR.	SERVICE	DIAMETER (INCHES)	MATERIALS	PRESSURE CL, SPECIAL THICKNESS CL, OR SCHEDULE	JOINTS/ FITTINGS	TEST PRESSURE/ METHOD	LINING	COATING	PIPE SPEC SECTION	COM
A A O		ALL	STEEL	SCH 40	SCRD, WLD, FL, OR GE	PER APPLICABLE PLUMBING CODES	NONE	PCB,FBE,PTW, WXT	15270	
AS	AIR SCOUR EXPOSED	ALL	316 SST	PER SPECIFICATION	WLD OR FL	25 PSI/AM	NONE	NONE	15286	
BWS	BACKWASH SUPPLY EXPOSED	/ ALL	STEEL	AWWA C200	WLD, FL, OR GE		СМ	EPU	15278	
	BURIED	ALL	STEEL	AWWA C200 AWWA C200	WLD	125 PSI/HH	CM	PCP,WXT	15272	
CDX	CHLORINE DIOXIDE		CPVC	SCH 80	ISW		NONE	NONE	15230	
	BURIED	CHEMICAL	PVC BRAID REINFORCED FLEXIBLE TUBING	-	BARBED / SS CLAMPED	50 PSI/HH	NONE	NONE	15230	FING OR J LOCA
CLS	CHLORINE SOLUTIC	DN ALL	PVC	SCH 80	ISW	1	NONE	NONE	15230	
	BURIED	CHEMICAL	PVC BRAID REINFORCED FLEXIBLE TUBING	-	BARBED / SS CLAMPED	150 PSI/HH	NONE	NONE	15230	FING OR J LOCA ALL E CARE TUBI
	BURIED	CARRIER PIPE	HDPE	SDR 17, ASTM D3350	BFW	10 FEET/GR	NONE	NONE	15241	ALL I PIPE
CLG	CHLORINE GAS UNI				ISW				45000	
	EXPOSED BURIED	CHEMICAL	FEP TUBING	SCH 80 0.0625 WALL	INSERT	VACUUM/AM	NONE NONE	NONE	15230 15230	NO F MUS <sup>-</sup> VAUL ALL E CARF TUBI
	BURIED	CARRIER PIPE	HDPE	SDR 17, ASTM D3350	BFW	10 FEET/GR	NONE	NONE	15241	ALL I PIPE
CS	CAUSTIC SODA					1			45000	
	EXPOSED BURIED	ALL CHEMICAL	CPVC PVC BRAID REINFORCED FLEXIBLE TUBING	SCH 80 -	SW BARBED / SS CLAMPED	150 PSI/HH	NONE	NONE	15230 15230	FING OR JU LOCA ALL E CARF TUBI
			HDPE	SDR 17, ASTM D3350	BFW	10 FEET/GR	NONE	NONE	15241	ALL I PIPE
DMW	DEMINERALIZED W/	ALL	PVC	SCH 80	SW	150 PSI/HH	NONE	NONE	15230	
D	DRAIN	1/2 TO 1-1/2	316 SST	PER SPECIFICATION	WLD, FL, GE, OR PRF		NONE	NONE	15286	
	EXPOSED	2 TO 10	CPVC	SCH 80	SW	10 FEET/GR	NONE	NONE	15230	
		8	C900	350	RPO OR RMJ		NONE	NONE	15244	8" DF
	BURIED	1/2 TO 10 24	CPVC RCP	SCH 40 CLASS III	SW B&SP	-	NONE NONE	NONE NONE	15230 15229	24" (
		4"	PVC	SCH 40	SW	NONE	NONE	NONE	15230	BAC
DP	DRAIN - PROCESS									
F	EXPOSED FLUORIDE SOLUTIO		DIP	350	FL OR GE	150PSI/HH	СМ	EPU	15211	
	EXPOSED	ALL	PVC	SCH 80	SW	-	NONE	NONE	15230	
	BURIED	CHEMICAL	PVC BRAID REINFORCED FLEXIBLE TUBING	-	BARBED / SS CLAMPED	150 PSI/HH	NONE	NONE	15230	FING OR J LOCA ALL E CARF TUBI
	BURIED	CARRIER PIPE	HDPE	SDR 17, ASTM D3350	BFW	10 FEET/GR	NONE	NONE	15241	ALL I PIPE
FIW	FILTER INFLUENT W EXPOSED BURIED	ATER ALL ALL	STEEL STEEL	AWWA C200 AWWA C200	WLD, FL, OR GE	25 PSI/HH	CM CM	EPU PCP,WXT	15278 15272	
FLW	FILTERED WATER						-			
	EXPOSED BURIED	ALL ALL	STEEL STEEL	AWWA C200 AWWA C200	WLD, FL, OR GE WLD	25 PSI/HH	CM CM	EPU PCP,WXT	15278 15272	
FTW	FILTER TO WASTE EXPOSED BURIED	ALL	STEEL STEEL	AWWA C200 AWWA C200	WLD, FL, OR GE	25 PSI/HH	CM CM	EPU PCP,WXT	15278 15272	
FW	FINISHED WATER					1	-			
	EXPOSED BURIED	ALL ALL	STEEL STEEL	AWWA C200 AWWA C200	WLD, FL, OR GE WLD	25 PSI/HH	CM CM	EPU PCP,WXT	15278 15272	
HWR	HOT WATER RETUR EXPOSED	N 2 AND SMALLER		ASTM B88	SOLDERED	150 PSI/HH	NONE	NONE	15281	
HWS	HOT WATER SUPPL	Y 2 AND SMALLER	COPPER	ASTM B88	SOLDERED	150 PSI/HH	NONE	NONE	15281	
NG	NATURAL GAS		STEEL, BLACK							
	EXPOSED EXPOSED	2-1/2 AND	ASTM 53 STEEL, BLACK	SCH 40 SCH 40	SCRD OR WLD	PER APPLICABLE	NONE NONE		15270 15270	
	IEAFUJEU		· ·		μ°⊑		INONE		15270	
	BURIED	LARGER ALL	ASTM 53 ASTM D2513	SDR 11	BFW OR SFW	CODES	NONE	NONE	15230	

PIPE SCHEDULE CONTINUED ON NEXT SHEET



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OMMEN <sup>-</sup>	ΓS			A
R JOINTS	KES EXTRUSION BRAIDFLEX 70N OF ARE ALLOWED IN THE CARRIER PIF N THE BUILDINGS OR THE CHEMICA	PE - THEY MUST BE		
R JOINTS DCATED II LL BURIEI ARRIER P JBING SIZ	KES EXTRUSION BRAIDFLEX 70N OF ARE ALLOWED IN THE CARRIER PIF N THE BUILDINGS OR THE CHEMICA D CHEMICAL PIPING SHALL BE CON PIPE. PIPE CALLOUTS IN DRAWINGS ZE AND NOT CARRIER PIPE SIZE	PE - THEY MUST BE IL YARD VAULTS. TAINED WITHIN A REPRESENT FLEXIBLE		В
			-	
JST BE L AULTS.	GS OR JOINTS ARE ALLOWED IN THE OCATED IN THE BUILDINGS OR THE D CHEMICAL PIPING SHALL BE CON	CHEMICAL YARD		
ARRIER F JBING SIZ _L INTERI	PIPE. PIPE CALLOUTS IN DRAWINGS ZE AND NOT CARRIER PIPE SIZE NAL WELD BEADS SHALL BE REMOV	REPRESENT FLEXIBLE	-	
PE.				C
R JOINTS DCATED I LL BURIEI ARRIER P	KES EXTRUSION BRAIDFLEX 70N OF ARE ALLOWED IN THE CARRIER PIF N THE BUILDINGS OR THE CHEMICA D CHEMICAL PIPING SHALL BE CON PIPE. PIPE CALLOUTS IN DRAWINGS	PE - THEY MUST BE IL YARD VAULTS. TAINED WITHIN A		
	ZE AND NOT CARRIER PIPE SIZE. NAL WELD BEADS SHALL BE REMOV	ED FROM CARRIER		
DRAINL	INE FROM EXISTING BACKWASH	TANK.	-	D
	FLOW DRAINLINE FROM BACKWA	ASH TANK		
			-	
R JOINTS	KES EXTRUSION BRAIDFLEX 70N OF ARE ALLOWED IN THE CARRIER PIF N THE BUILDINGS OR THE CHEMICA	PE - THEY MUST BE		
ARRIER P	D CHEMICAL PIPING SHALL BE CON PIPE. PIPE CALLOUTS IN DRAWINGS ZE AND NOT CARRIER PIPE SIZE			
L INTERI PE.	NAL WELD BEADS SHALL BE REMOV	ED FROM CARRIER		E
				F
I VALI	LEY WATER TREATM	ENT PLANT	VERIFY SCALES JOB NO. 202001.10	G
RAND		PGRADES	BAR IS ONE INCH ON ORIGINAL DRAWING 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
F	GENERAL PIPE SCHEDULE 1		IF NOT ONE INCH ON SHEET NO. THIS SHEET, ADJUST	
			SCALES ACCORDINGLY OF	

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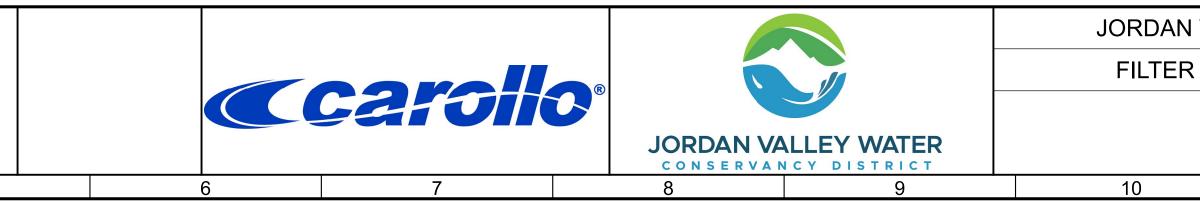
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				PIPE	E SCHEDU	LE (CO	NI'D	)							
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						1		1					1		
		DIAMETER		PRESSURE CL,		TEST			PIPE SPEC						
ABBR.	SERVICE	(INCHES)	MATERIALS	SPECIAL THICKNESS	JOINTS/ FITTINGS	PRESSURE/	LINING	COATING	SECTION	COMMENTS					
		(		CL, OR SCHEDULE		METHOD									
OF	OVERFLOW														
	EXPOSED	ALL	CPVC	SCH 80	SW	20 FEET/GR		NONE	15230	FOR CAUSTIC SODA SERV	/ICE				
	EXPOSED POWDERED ACTIN		PVC	SCH 80	SW	20 FEET/GR	NONE	NONE	15230						
<u>AU</u>	EXPOSED	ALL	PVC	SCH 80	SW		NONE	NONE	15230						
	BURIED	ALL	HDPE	ASTM D2737	BFW OR CF	50 PSI/HH	NONE	NONE	15230						
					0.04				45000						
	EXPOSED ANIONIC POLYME	ALL R	PVC	SCH 80	SW	50 PSI/HH	NONE	INONE	15230						
	EXPOSED	ALL	PVC	SCH 80	SW	50 PSI/HH	NONE	NONE	15230						
PEC	CATIONIC POLYME						hierie	hight	45000	1					
	EXPOSED POTABLE WATER	ALL	PVC	SCH 80	SW	50 PSI/HH	NONE	NONE	15230						
	EXPOSED	3 AND SMALLEF		SCH 80	SW		NONE	NONE	15230						
	EXPOSED	4 TO 12	DIP	350	FL OR GE	-	СМ	EPU	15211						
	BURIED	2 AND SMALLEF	R HDPE	ASTM D2737	BFW OR CF	150 PSI/HH	NONE	NONE	15230						
	BURIED	4 TO 12	DIP	350	RPO OR RMJ		СМ	DOUBLE PEN	15211						
	BURIED	4 to 8	C900	350	RPO OR RMJ		NONE	NONE	15244	WXT/FBE COATING FOR M	ETALLIC FITTINGS				
	SAMPLE LINE		PVC	SCH 80	SW		NONE		15000						
	EXPOSED STORM DRAIN	ALL	PVC		500	50 PSI/HH	INONE	INONE	15230						
	BURIED	15	DIP	CL 53	PO OR MJ	NONE	СМ	DOUBLE PEN							
	BURIED	21	RGRCP	CL IV	B&SP	NONE	NONE	NONE	15229						
	SPARE CHEMICAL EXPOSED	ALL	PVC	SCH 80	SW	1	NONE	NONE	15230						
						-			10200	FINGER LAKES EXTRUSIO					
										OR JOINTS ARE ALLOWED					
	BURIED	ALL	PVC BRAID REINFORCED		BARBED / SS	50 PSI/HH	NONE	NONE	15230	LOCATED IN THE BUILDING	GS OR THE CHEMICAL Y	ARD VAULTS.			
	DOTALD		FLEXIBLE TUBING		CLAMPED				10200						
										CARRIER PIPE. PIPE CALL		PRESENT FLEXIBLE			
										ALL INTERNAL WELD BEAD					
	BURIED	CARRIER PIPE	HDPE	SDR 17, ASTM D3350	BFW	10 FEET/GR	NONE	NONE	15241	PIPE.					
SPD	SUMP PUMP DISC							1		- I 					
	EXPOSED	4 TO 12	DIP	350	FLORGE	_50 PSI/HH	CM	EPU	15211						
	SUBMERGED SANITARY SEWER	ALL	316 SST	PER SPECIFICATION	WLD, FL, GE, OR PRF		NONE	NONE	15286						
	BURIED	ALL	PVC	SDR 35	B&SP	10 FEET/GR	NONE	NONE	15230	WXT/FBE COATING FOR M	ETALLIC FITTINGS				
	UTILITY WATER		mm		-	-	-			1					
	EXPOSED	3 AND SMALLEF 4 TO 12		SCH 80	SW	150 PSI/HH	NONE		15230						
	EXPOSED	4 TO 12	PIP~~~	350	FL OR GE		СМ	EPU	15211						
V	VENT				0.04				45000						
<u> </u>	ALL EXPOSED	ALL	PVC STL	SCH 80 SCH 40	SW SCRD, FL, GE	10 FEET/GR 150 PSI/HH	NONE NONE		15230 15278						
	WASTE WASHWAT	ER (FILTER/BW)				1150 PSI/H			15270						
	EXPOSED	ALL	STEEL	AWWA C200	WLD, FL, OR GE	20 FEET/GR	CM CM	EPU	15278						
	BURIED	ALL	STEEL	AWWA C200	WLD, FL, OR GE			PCP	15272						



				BID SET		DESIGNED DES DRAWN RB	No. 12149234-2202
						CHECKED	
	04/15/2025	SSB	ADDENDUM	NO. 1		DATE	And Statement And
REV	DATE	BY		DESCRIPTION	FE	BRUARY 2025	THE OF UT

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N VALLEY WA			VERIFY SCA BAR IS ONE INCH		JOB NO. 202001.10 AWING NO.	G
	ENERAL	3	ORIGINAL DRAW		00G12	
PIPE SC	CHEDULE 2		IF NOT ONE INCH THIS SHEET, ADJ SCALES ACCORDI	I ON SI IUST NGLY	HEET NO. OF	
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								SIZE,	VALVE		JK SCHEDULE	<u>= CONTI</u>
				<b>/E TYPE</b> BUTTERFLY	FILTER 15 WA			INCHES				ALVE SF
		VAL-31 VAL-31	61 VALVE - E	BUTTERFLY	FILTE	R 16 INLET V	ALVE	42 36	MOTOR MOTOR	FLANGED; C	CLASS 150B	<u>15112</u> 15112
		VAL-31 VAL-31		<u>BUTTERFLY</u> BUTTERFLY		<u>16 EFFLUENT</u> ILTER TO WA		<u> </u>	MOTOR MOTOR			<u>15112</u> 15112
		VAL-31	64 VALVE - E	BUTTERFLY		6 BACKWASH		36	MOTOR	FLANGED; (	CLASS 150B	15112
		VAL-316 VAL-31		BUTTERFLY BUTTERFLY	FILTER 16 WA	<u>R 16 VENT V</u> STE WASHW		6 42	MOTOR MOTOR			<u>15112</u> 15112
		VAL-404		BUTTERFLY		TER BWS VA		30	MOTOR			15112
		VAL-405		BUTTERFLY BUTTERFLY		<u>I (ODD) CONT</u> I (EVE) CONT		<u>36</u> 36	MOTOR MOTOR			<u>15112</u> 15112
		VAL-41 VAL-41		BUTTERFLY BUTTERFLY		K 1 EFFLUEN		<u>36</u> 36	MOTOR MOTOR			<u>15112</u> 15112
		VAL-41	31 VALVE - E	BUTTERFLY	BW STORA	AGE ISOLATIO	ON VALVE	36	MOTOR	FLANGED; (	CLASS 150B	15112
				BUTTERFLY	<u>  MASTER FI</u>	LTER TO WAS	STE VALVE	24	MOTOR	FLANGED; (	<u>;LASS 150B </u>	15112
			TING VALVE. AC		PLACEMENT ONL	_Y.						
		(2) MOE	BUS TCP COMM	IUNICATIONS	1							
		<u>GENE</u>	RAL NOTES:									
			T ALL VALVES AN		N THE SCHEDULE SIZE ARE NOT	Ξ,						
			OWN. MANUAL V NTRACTOR SHA									
		DR/			DITIONAL VALVE							
			VIA RATING OF 4	X FOR ALL A(	CTUATORS.							
		3. MO	DULATING ACTU	JATORS WILL	HAVE ~1200							
			ARTS/HR. OPEN/ E RANGE OF 0-60		ATORS WILL BE	IN						
		EQUIPMI	ENT				<b>TA</b>	NK SCHED	ULE			
		TAG	P&ID DWG				TYPE			DIAMETER (FT)		
		TNK-41 TNK-62			<u>SH TANK NO. 2</u> DAY TANK		SED CONCRET ETHYLENE		00,000 900	72 5.5	36 7	132 132
		TNK-65 TNK-65			SODA TANK 1 SODA TANK 2		FRP FRP		3,000 3,000	<u>12</u> 12	22 22	132 132
		TNK-65	03 65N01	CAUSTIC	SODA TANK 3		FRP	18	3,000	12	22	132
-		TNK-65 TNK-69			DAY TANK BING TANK 1		FRP FRP	· · · · · · · · · · · · · · · · · · ·	,500 ,000	6 8	7 6	132 112
		TNK-69 TNK-71			SING TANK 2 C TANK 1		FRP ETHYLENE	(	,000 ,600	<u> </u>	6 10	112 132
		TNK-71	02 71N01	PEC	CTANK 2	POLY	ETHYLENE	4,	,600	10	10 7	132
		TNK-71	05 71N02	PEC L	DAY TANK		ETHYLENE	5	550	4		132
							CHEMICAL I	FEEDER SC	HEDULE			
		EQUIPMI TAG		DESCRIP	TION	SERVICE		VOLT	AGE	LOAD	LOAD UNIT	S CAP
		PMP-62 PMP-62			NT FEED PUMP		DIAPHRAGM DIAPHRAGM	120		1/4 1/4	KVA KVA	
-		PMP-65	641 CAUSTIC	C SODA SMA	LL FEED PUMP	1 CS	DIAPHRAGM	120	0	1/4	KVA KVA	
		PMP-65 PMP-65	72 CAUSTIC	SODA LARC	GE FEED PUMP	1 CS	DIAPHRAGM HOSE	480	0	2	HP	
		PMP-65 PMP-69			GE FEED PUMP		HOSE DIAPHRAGM	480	-	2 1/4	HP KVA	
		PMP-69		ER AID SMA	LL FEED PUMP	2 PEA	DIAPHRAGM	120	0	1/4	KVA	
					GE FEED PUMP		HOSE HOSE	480		2 2	HP HP	
		PMP-69	921 PEA FILT	ER AID LAR				480				
		PMP-69 PMP-69	021 PEA FILT 026 PEA FILT 031 PEA	FLOC AID FI	EED PUMP 1	PEA PEA	HOSE			2	HP	
		PMP-69 PMP-69 PMP-69 PMP-69	D21         PEA FILT           D26         PEA FILT           D31         PEA           D36         PEA           D41         PEA	FLOC AID FI FLOC AID FE FLOC AID FE	EED PUMP 1 EED PUMP 2 EED PUMP 3	PEA PEA	HOSE HOSE	480	0	2 2	HP HP HP	
		PMP-69 PMP-69 PMP-69	PEA FILT           26         PEA FILT           031         PEA           036         PEA           041         PEA           046         PEA	FLOC AID FI FLOC AID FE FLOC AID FE	EED PUMP 1 EED PUMP 2 EED PUMP 3 EED PUMP 4	PEA	HOSE	480	0 0 0	2	HP HP	
		PMP-69 PMP-69 PMP-69 PMP-69 PMP-69	PEA FILT           26         PEA FILT           931         PEA           936         PEA           941         PEA           951         PEA	FLOC AID FI FLOC AID FE FLOC AID FE FLOC AID FE STANDBY F	EED PUMP 1 EED PUMP 2 EED PUMP 3 EED PUMP 4	PEA PEA PEA	HOSE HOSE HOSE	480 480 480	0 0 0 0	2 2 2	HP HP HP HP	
		PMP-69 PMP-69 PMP-69 PMP-69 PMP-69 PMP-69	PEA FILT           26         PEA FILT           931         PEA           936         PEA           941         PEA           951         PEA	FLOC AID FI FLOC AID FE FLOC AID FE FLOC AID FE STANDBY F	EED PUMP 1 EED PUMP 2 EED PUMP 3 EED PUMP 4 FEED PUMP	PEA PEA PEA PEA	HOSE HOSE HOSE HOSE	480 480 480 480	0 0 0 0	2 2 2 2 2	HP HP HP HP HP	
		PMP-69 PMP-69 PMP-69 PMP-69 PMP-69 PMP-69	PEA FILT           26         PEA FILT           931         PEA           936         PEA           941         PEA           951         PEA	FLOC AID FI FLOC AID FE FLOC AID FE FLOC AID FE STANDBY F	EED PUMP 1 EED PUMP 2 EED PUMP 3 EED PUMP 4 FEED PUMP	PEA PEA PEA PEA	HOSE HOSE HOSE HOSE	480 480 480 480	0 0 0 0	2 2 2 2 2	HP HP HP HP HP	
		PMP-69 PMP-69 PMP-69 PMP-69 PMP-69 PMP-69	PEA FILT           26         PEA FILT           931         PEA           936         PEA           941         PEA           951         PEA	FLOC AID FI FLOC AID FE FLOC AID FE FLOC AID FE A STANDBY F	EED PUMP 1 EED PUMP 2 EED PUMP 3 EED PUMP 4 FEED PUMP	PEA PEA PEA PEA	HOSE HOSE HOSE HOSE	480 480 480 480	0 0 0 0	2 2 2 2 2	HP HP HP HP HP	
		PMP-69 PMP-69 PMP-69 PMP-69 PMP-69 PMP-69	PEA FILT           26         PEA FILT           931         PEA           936         PEA           941         PEA           951         PEA	FLOC AID FI FLOC AID FE FLOC AID FE FLOC AID FE A STANDBY F	EED PUMP 1 EED PUMP 2 EED PUMP 3 EED PUMP 4 FEED PUMP	PEA PEA PEA PEA	HOSE HOSE HOSE HOSE	480 480 480 480	0 0 0 0	2 2 2 2 2	HP HP HP HP HP	
		PMP-69 PMP-69 PMP-69 PMP-69 PMP-69 PMP-69	PEA FILT           26         PEA FILT           931         PEA           936         PEA           941         PEA           951         PEA	FLOC AID FI FLOC AID FE FLOC AID FE FLOC AID FE A STANDBY F	EED PUMP 1 EED PUMP 2 EED PUMP 3 EED PUMP 4 FEED PUMP	PEA PEA PEA PEA	HOSE HOSE HOSE HOSE	480 480 480 480	0 0 0 0	2 2 2 2 2	HP HP HP HP HP	
		PMP-69 PMP-69 PMP-69 PMP-69 PMP-69 PMP-69	PEA FILT           26         PEA FILT           931         PEA           936         PEA           941         PEA           951         PEA	FLOC AID FI FLOC AID FE FLOC AID FE FLOC AID FE A STANDBY F	EED PUMP 1 EED PUMP 2 EED PUMP 3 EED PUMP 4 FEED PUMP	PEA PEA PEA PEA	HOSE HOSE HOSE HOSE	480 480 480 480	0 0 0 0	2 2 2 2 2	HP HP HP HP HP	
		PMP-69 PMP-69 PMP-69 PMP-69 PMP-69 PMP-69	PEA FILT           26         PEA FILT           931         PEA           936         PEA           941         PEA           951         PEA	FLOC AID FI FLOC AID FE FLOC AID FE FLOC AID FE A STANDBY F	EED PUMP 1 EED PUMP 2 EED PUMP 3 EED PUMP 4 FEED PUMP	PEA PEA PEA PEA	HOSE HOSE HOSE HOSE	480 480 480 480	0 0 0 0	2 2 2 2 2	HP HP HP HP HP	
		PMP-69 PMP-69 PMP-69 PMP-69 PMP-69 PMP-69	PEA FILT           26         PEA FILT           931         PEA           936         PEA           941         PEA           951         PEA	FLOC AID FI FLOC AID FE FLOC AID FE FLOC AID FE A STANDBY F	EED PUMP 1 EED PUMP 2 EED PUMP 3 EED PUMP 4 FEED PUMP	PEA PEA PEA PEA	HOSE HOSE HOSE HOSE	480 480 480 480	0 0 0 0	2 2 2 2 2	HP HP HP HP HP	
		PMP-69 PMP-69 PMP-69 PMP-69 PMP-69 PMP-69	PEA FILT           26         PEA FILT           931         PEA           936         PEA           941         PEA           951         PEA	FLOC AID FI FLOC AID FE FLOC AID FE FLOC AID FE A STANDBY F	EED PUMP 1 EED PUMP 2 EED PUMP 3 EED PUMP 4 FEED PUMP	PEA PEA PEA PEA	HOSE HOSE HOSE HOSE	480 480 480 480	0 0 0 0	2 2 2 2 2	HP HP HP HP HP	
		PMP-69 PMP-69 PMP-69 PMP-69 PMP-69 PMP-69	PEA FILT           26         PEA FILT           931         PEA           936         PEA           941         PEA           951         PEA	FLOC AID FI FLOC AID FE FLOC AID FE FLOC AID FE A STANDBY F	EED PUMP 1 EED PUMP 2 EED PUMP 3 EED PUMP 4 FEED PUMP	PEA PEA PEA PEA	HOSE HOSE HOSE HOSE	480 480 480 480	0 0 0 0	2 2 2 2 2	HP HP HP HP HP	
		PMP-69 PMP-69 PMP-69 PMP-69 PMP-69 PMP-69	PEA FILT           26         PEA FILT           931         PEA           936         PEA           941         PEA           951         PEA	FLOC AID FI FLOC AID FE FLOC AID FE FLOC AID FE A STANDBY F	EED PUMP 1 EED PUMP 2 EED PUMP 3 EED PUMP 4 FEED PUMP	PEA PEA PEA PEA	HOSE HOSE HOSE HOSE	480 480 480 480	0 0 0 0	2 2 2 2 2	HP HP HP HP HP	
		PMP-69 PMP-69 PMP-69 PMP-69 PMP-69 PMP-69	PEA FILT           26         PEA FILT           931         PEA           936         PEA           941         PEA           951         PEA	FLOC AID FI FLOC AID FE FLOC AID FE FLOC AID FE A STANDBY F	EED PUMP 1 EED PUMP 2 EED PUMP 3 EED PUMP 4 FEED PUMP	PEA PEA PEA PEA	HOSE HOSE HOSE HOSE	480 480 480 480	0 0 0 0	2 2 2 2 2	HP HP HP HP HP	
		PMP-69 PMP-69 PMP-69 PMP-69 PMP-69 PMP-69	PEA FILT           26         PEA FILT           931         PEA           936         PEA           941         PEA           951         PEA	FLOC AID FI FLOC AID FE FLOC AID FE FLOC AID FE A STANDBY F	EED PUMP 1 EED PUMP 2 EED PUMP 3 EED PUMP 4 FEED PUMP	PEA PEA PEA PEA	HOSE HOSE HOSE HOSE	480 480 480 480	0 0 0 0	2 2 2 2 2	HP HP HP HP HP	
		PMP-69 PMP-69 PMP-69 PMP-69 PMP-69 PMP-69	PEA FILT           26         PEA FILT           931         PEA           936         PEA           941         PEA           951         PEA	FLOC AID FI FLOC AID FE FLOC AID FE FLOC AID FE A STANDBY F	EED PUMP 1 EED PUMP 2 EED PUMP 3 EED PUMP 4 FEED PUMP	PEA PEA PEA PEA	HOSE HOSE HOSE HOSE	480 480 480 480	0 0 0 0	2 2 2 2 2	HP HP HP HP HP	
		PMP-69 PMP-69 PMP-69 PMP-69 PMP-69 PMP-69	PEA FILT           26         PEA FILT           931         PEA           936         PEA           941         PEA           951         PEA	FLOC AID FI FLOC AID FE FLOC AID FE FLOC AID FE A STANDBY F	EED PUMP 1 EED PUMP 2 EED PUMP 3 EED PUMP 4 FEED PUMP	PEA PEA PEA PEA	HOSE HOSE HOSE HOSE	480 480 480 480	0 0 0 0	2 2 2 2 2	HP HP HP HP HP	
		PMP-69 PMP-69 PMP-69 PMP-69 PMP-69 PMP-69	PEA FILT           26         PEA FILT           931         PEA           936         PEA           941         PEA           951         PEA	FLOC AID FI FLOC AID FI FLOC AID FI A STANDBY F FILTER AID D	EED PUMP 1 EED PUMP 3 EED PUMP 4 FEED PUMP OOSING PUMP	PEA PEA PEA PEA	HOSE HOSE HOSE DIAPHRAGM	480 480 480 120	0	2 2 2 1/4	HP HP HP HP HP	
		PMP-69 PMP-69 PMP-69 PMP-69 PMP-69 PMP-69	PEA FILT           26         PEA FILT           931         PEA           936         PEA           941         PEA           951         PEA	FLOC AID FI FLOC AID FE FLOC AID FE FLOC AID FE A STANDBY F	EED PUMP 1 EED PUMP 3 EED PUMP 4 FEED PUMP OOSING PUMP	PEA PEA PEA PEA	HOSE HOSE HOSE DIAPHRAGM	480 480 480 120	0	2 2 2 1/4	HP HP HP HP HP	
		PMP-69 PMP-69 PMP-69 PMP-69 PMP-69 PMP-69	PEA FILT           26         PEA FILT           931         PEA           936         PEA           941         PEA           951         PEA	FLOC AID FI FLOC AID FI FLOC AID FI A STANDBY F FILTER AID D	EED PUMP 1 EED PUMP 3 EED PUMP 4 FEED PUMP OOSING PUMP	PEA PEA PEA PEA	HOSE HOSE HOSE DIAPHRAGM	480 480 480 120	0	2 2 2 1/4	HP HP HP HP HP	
		PMP-69 PMP-69 PMP-69 PMP-69 PMP-69 PMP-69	PEA FILT           26         PEA FILT           931         PEA           936         PEA           941         PEA           951         PEA	FLOC AID FI FLOC AID FI FLOC AID FI A STANDBY F FILTER AID D	EED PUMP 1 EED PUMP 3 EED PUMP 4 FEED PUMP OOSING PUMP	PEA PEA PEA PEA	HOSE HOSE HOSE DIAPHRAGM	480 480 480 120	0	2 2 2 1/4	HP HP HP HP HP	
	04/15/2025	PMP-69         PMP-69	PEA FILT           26         PEA FILT           931         PEA           936         PEA           941         PEA           951         PEA	FLOC AID FI FLOC AID FE FLOC AID FE STANDBY F ILTER AID D	EED PUMP 1 EED PUMP 3 EED PUMP 4 FEED PUMP DOSING PUMP	PEA PEA PEA PEA	HOSE HOSE HOSE DIAPHRAGM B DIAPHRAGM B CHECKEI RB DATE		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 2 2 2 1/4	HP HP HP HP HP	
	04/15/2025 DATE	PMP-69 PMP-69 PMP-69 PMP-69 PMP-69 PMP-69	921       PEA FILT         926       PEA FILT         931       PEA         936       PEA         941       PEA         946       PEA         956       PEA F	FLOC AID FI FLOC AID FI FLOC AID FI A STANDBY F FILTER AID D	EED PUMP 1 EED PUMP 3 EED PUMP 4 FEED PUMP DOSING PUMP	PEA PEA PEA PEA	HOSE HOSE HOSE DIAPHRAGM B DRAWN RB CHECKEI RB		0	2 2 2 2 1/4	HP HP HP HP HP	

PROJECT NO. 202001-100000 FILE NAME: 20200100G14.dwg

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	ACTUATOR					OPERATING	
E SPEC	TAG	<b>OPERATOR TYPE</b>	VOLTAGE	PHASE	HP	TIME	ACTUATOR SPEC
112	FV-3157	OPEN/CLOSE	480	3	1/2	2 TO 3 MINUTES	13447
112	FV-3161	POSITION	480	3	1/2	2 TO 3 MINUTES	13447
112	FV-3162	POSITION	480	3	1/2	1 TO 2 MINUTES	13447
112	FV-3163	POSITION	480	3	1/2	1 TO 2 MINUTES	13447
112	FV-3164	OPEN/CLOSE	480	3	1/2	2 TO 3 MINUTES	13447
112	FV-3166	OPEN/CLOSE	480	3	1/2	30 SECONDS	13447
112	FV-3167	OPEN/CLOSE	480	3	1/2	2 TO 3 MINUTES	13447
112	FV-4041	POSITION	480	3	1/2	1 TO 2 MINUTES	13447
112	FV-4051	POSITION	480	3	1/2	1 TO 2 MINUTES	13447
112	FV-4061	POSITION	480	3	1/2	1 TO 2 MINUTES	13447
112	FV-4112	OPEN/CLOSE	480	3	1/2	1 TO 2 MINUTES	13447
112	FV-4122	OPEN/CLOSE	480	3	1/2	1 TO 2 MINUTES	13447
112	FV-4131	OPEN/CLOSE	480	3	1/2	1 TO 2 MINUTES	13447
112	FV-4411	OPEN/CLOSE	480	3	1/2	1 MINUTE	13447

	Р	UMP SCHEE	DULE				1	
EQUIPMENT				LOAD			FLOW	
TAG	DESCRIPTION	VOLTAGE	LOAD			SPECIFICATION		TDH
PMP-3911	FILTER DRAIN PUMP 1	480	5	HP	CONSTANT SPEED	11312K	600	16.5
PMP-3921	FILTER DRAIN PUMP 2	480	5	HP	CONSTANT SPEED	11312K	600	16.5
PMP-3931	FILTER DRAIN PUMP 1	120	1/2	HP	CONSTANT SPEED	11312J	60	10
PMP-3941	FILTER DRAIN PUMP 2	120	1/2	HP	CONSTANT SPEED	11312J	60	10
PMP-4125	VALVE VAULT SUMP PUMP	120	1/2	HP	CONSTANT SPEED	11312J	25	18
PMP-6201	PRIMARY COAGULANT TRANSFER PUMP 1	480	3/4	HP	CONSTANT SPEED	11312S	44	43
PMP-6202	PRIMARY COAGOLANT TRANSFER PUMP 2		~ 3/4~		CONSTANTSPEED	m 118126m	~44~	7437
PMP-6211	//PRIMARY COAGULANT FEED PUMP 3	120	/1/4/	KVA.	VARIABLE SPEED	//11242///	/23/	139
PMP-6221	//PRIMARY/COAGULANT/FEED/PUMP/4//	/120//	/1/4/	KVA	VARIABLE SPEED	//11242///	/23/ /	139
PMP-6319	CHLORINE BUILDING SUMP PUMP	120	1/2	HP	CONSTANT SPEED	11312V	25	5
PMP-6511	CAUSTIC SODA TRANSFER PUMP 1	480	3/4	HP	CONSTANT SPEED	11312S	43	44
PMP-6521	CAUSTIC SODA TRANSFER PUMP 2	480	3/4	HP	CONSTANT SPEED	11312S	43	44
PMP-6541	/CAUSTIC/SODA/SMALL/FEED/PUMP////	/120//	/1/4	KVA	VARIABLE/SPEED/	//11/24/2///	/30/	139
PMP-6562	CAUSTIC SODA SMALL FEED PUMP 2	120	1/4	KVA	VARIABLE SPEED	//11242///	30	139
PMP-6572	//CAUSTIC/SODA/LARGE/FEED/PUMP///	480	/2//	HP	VARIABLE SPEED	//11244///	1.0	139
PMP-6582	// CAUSTIC SODA LARGE FEED PUMP/2//	480//	/ /2/ /	/HP/	VARIABLE SPEED	///11/244///	/1.0/	139
PMP-6852	PAC SUMP PUMP	120	1/2	HP	CONSTANT SPEED	11312J	60	10
PMP-6911	/ PEAFILTER AID SMALL FEED PUMP 1	/ 120//	/ 1/4/	/KVA/	VARIABLE SPEED	//11245///	/24/	139
PMP-6916	/ PEA FILTER AID SMALL FEED PUMP 2/	/120//	1/4	KVA	VARIABLE SPEED	/11245///	/24//	139
PMP-6921	PEA FILTER AID LARGE FEED PUMP 1	480/	/2/	- AH	VARIABLE SPEED	11244	0.8	139
PMP-6926	/ PEA FILTER AID LARGE FEED PUMP 2/	480	/2/	HP	VARIABLE SPEED	//11244///	0.8	139
PMP-6931	///PEA/FLOCAID/FEED/PUMP/	480	72/	- AH	VARIABLE SPEED	//11244///	/3.0/	139
PMP-6936	PEA FLOC AID FEED PUMP 2	480	/2/	HP	VARIABLE SPEED	//11244///	3.0	139
PMP-6941	////PEA/FLOC AID/FEED PUMP 3////	480	/2//	/HP/	VARIABLE SPEED	//11244///	3.0	139
PMP-6946	PEA FLOC AID FEED PUMP 4	480	/2/	HP	VARIABLE SPEED	//11244///	3.0	139
PMP-6951	////PEASTANDBY FEED PUMP////	480	/2//	/HP/	VARIABLE SPEED	// 11244///	3.0	139
PMP-6956	PEAFILTER AID DOSING PUMP	120	1/4	KVA	VARIABLE SPEED	//1/245///	16	139
PMP-7103	PÉC TRANSFER PUMP 1	480	3/4	ΗP	CONSTANT SPEED	11312S	28	56
PMP-7104	PEC TRANSFER PUMP 2	480	3/4	HP	CONSTANT SPEED	11312S	28	56

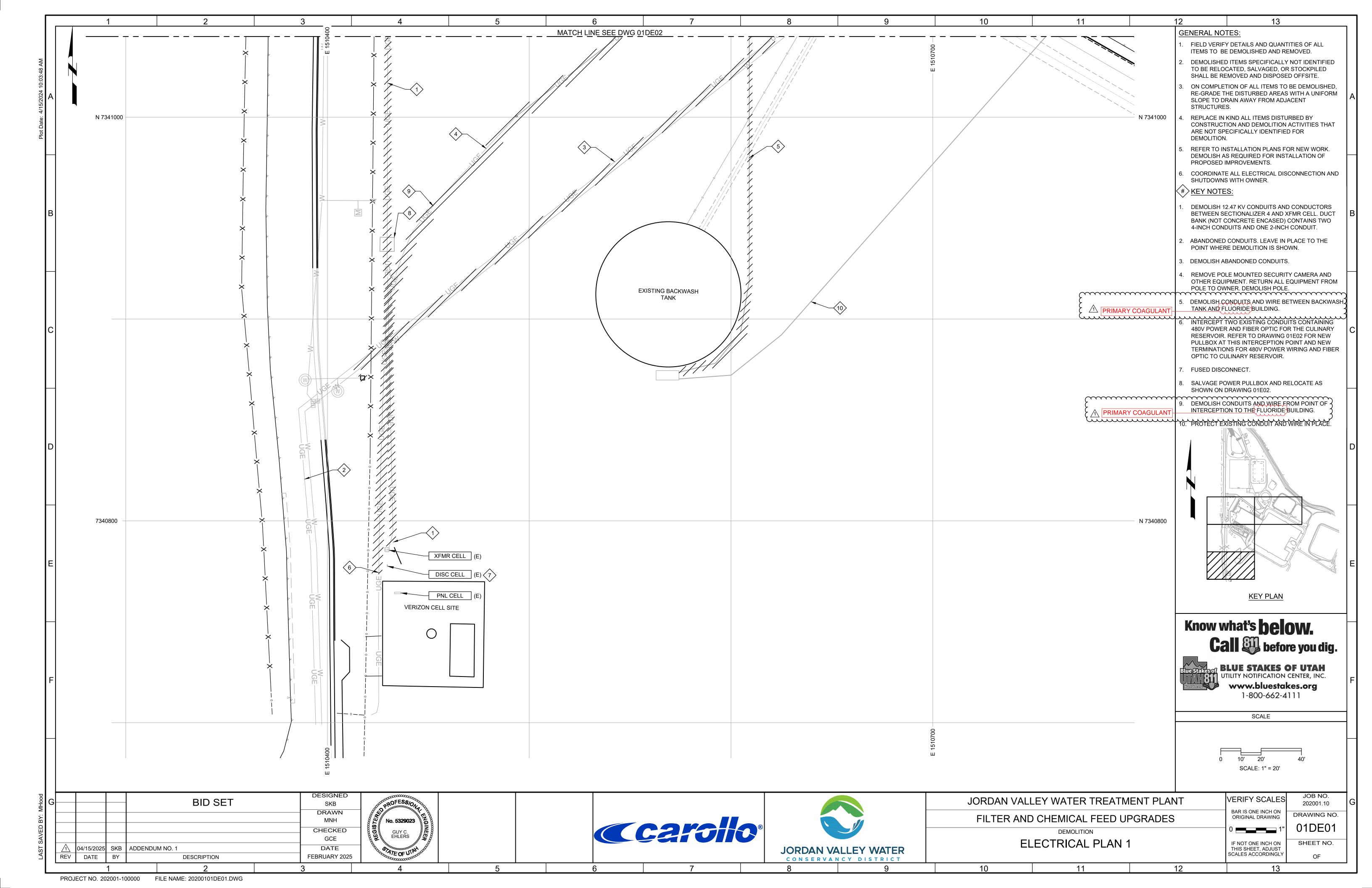
		MISC. EQUIPMENT SCHEDULE		
EQUIPMENT				
	P&ID DWG.	DESCRIPTION	SPECIFICATION	COMMENTS
CHL-6331	63N07	FINISHED WATER CHLORINATOR 1	11260	
CHL-6332	63N07	FINISHED WATER CHLORINATOR 2	11260	
CHL-6333	63N07	FINISHED WATER CHLORINATOR 3	11260	
CHL-6334	63N08	RAW WATER CHLORINATOR 1	11260	
CHL-6335	63N08	RAW WATER CHLORINATOR 2	11260	
CHL-6336	63N08	RAW WATER CHLORINATOR 3	11260	
EDU-6341	63N09	FINISHED WATER EDUCTOR 1	11260	
EDU-6342	63N09	FINISHED WATER EDUCTOR 2	11260	
EDU-6346	63N09	FINISHED WATER EDUCTOR 3	11260	
EDU-6343	63N10	RAW WATER EDUCTOR 1	11260	
EDU-6344	63N10	<b>RAW WATER EDUCTOR 2</b>	11260	
EDU-6345	63N10	RAW WATER EDUCTOR 2	11260	
TNK-6391	63N14	CHLORINE SCRUBBER	11265	
-	65N03	DUAL TANK WATER SOFTENER	15400	
-	68N01	PAC FEED SYSTEM 1	13270	
-	68N04	PAC FEED SYSTEM 2	13270	
-	69N01	PEA FEED SYSTEM 1	11256	
-	69N02	PEA FEED SYSTEM 2	11256	

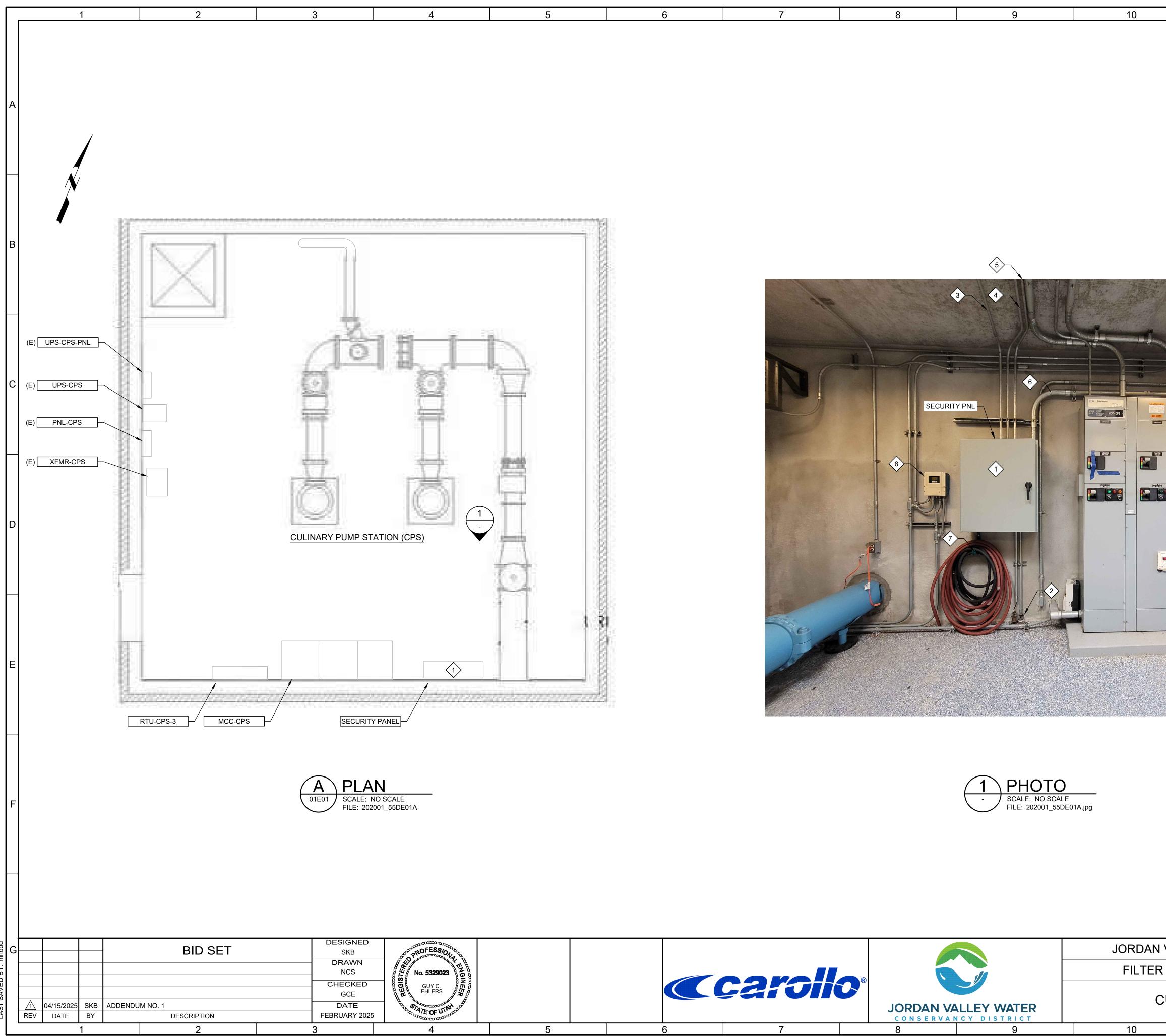
SPECIFICATION	COMMENTS
13207	
13208	
13206A	
13206A	
13206A	
13206A	
11256	PROVIDED BY VENDOR
11256	PROVIDED BY VENDOR
13208	
13208	
13208	
	13208 13206A 13206A 13206A 13206A 11256 11256 13208 13208

APACITY (GPH)	SPECIFICATION
52	11242
52	11242
52	11242
52	11242
720	11244
720	11244
52	11245
52	11245
720	11244
720	11244
720	11244
720	11244
720	11244
720	11244
720	11244
52	11245



N VALLEY WATER TREATM	VERIFY SCALES	JOB NO. 202001.10	G	
R AND CHEMICAL FEED UP	BAR IS ONE INCH ON ORIGINAL DRAWING			
GENERAL		0 1"	00G14	
EQUIPMENT SCHEDUL	E 2	IF NOT ONE INCH ON THIS SHEET, ADJUST	SHEET NO.	
	SCALES ACCORDINGLY	OF		
11	13			





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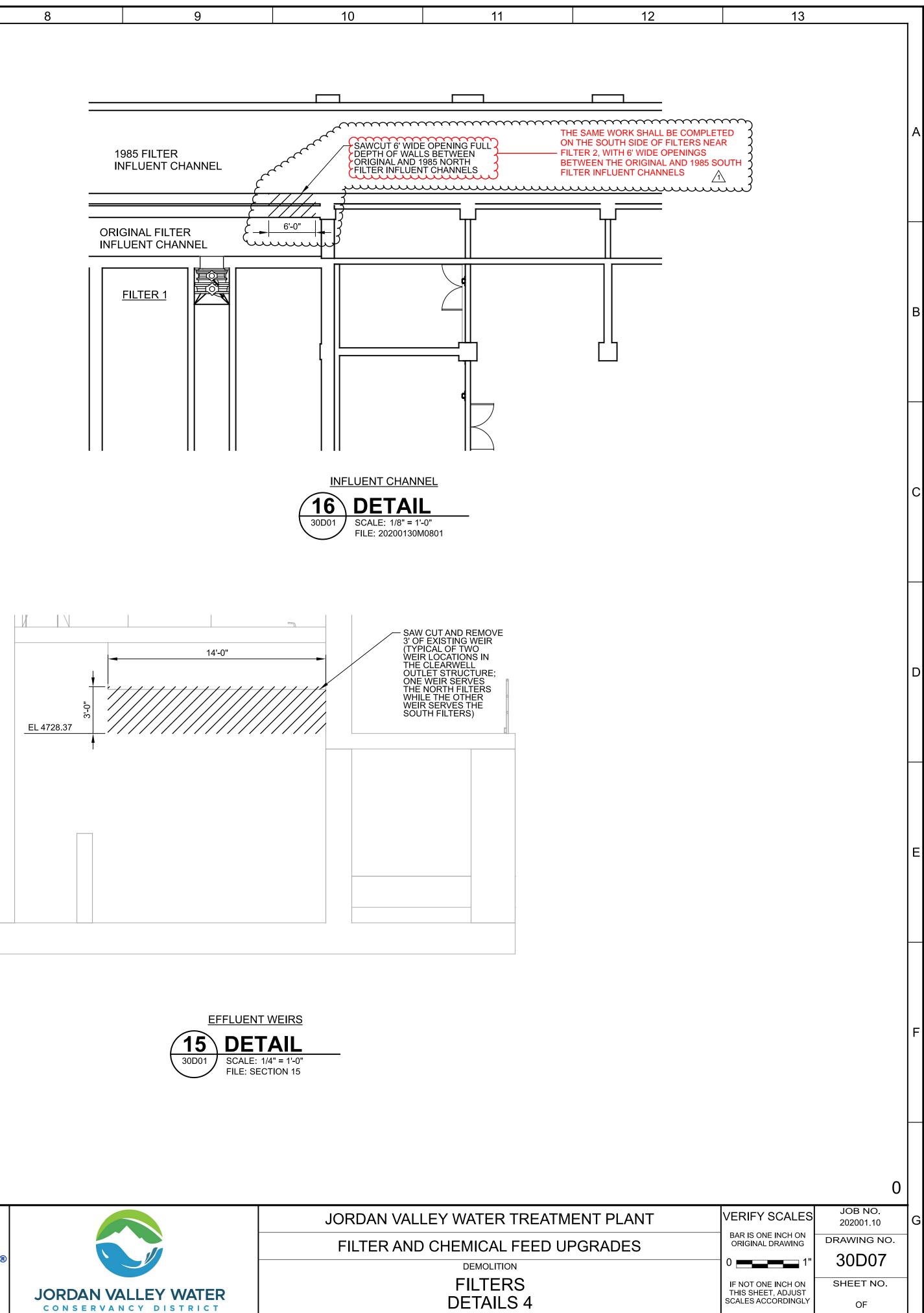
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EVALLEY WATER TREATMENT PLANT     INCLUES      INCLUE VALUE     INCLUES      I	11	12	13	
SECURITY PAREL AND THE PAREL USE OBS  I RELOCATE COUNT IN VIEW RETIVEEN SECURITY PAREL AN RULCES WINNER REVUELD BY INCOMENT ON UNDER REVUEND BY INCOMENT ON UNDE		GENERAL 1. REUSE SECUR OTHER CONDU SECUR 1. REMOV THE OT SHOWN 2. RELOC, HIGH LA SECUR 3. RELOC, AND DO PROVID	- NOTES: EXISTING CONDUIT AND WIR ITY PANEL RELOCATION UNLI WISE NOTED. PROVIDE ADDIT WISE NOTED. PROVIDE ADDIT UT WHERE NECESSARY TO RI ITY PANEL LOCATION. NOTES: E SECURITY PANEL AND REL HER SIDE OF THE PUMP STAT ON THE DRAWING 55E01. THE CONDUIT, WIRE, AND CONTROL OF THE PUMP STAT NEL FLOOD SWITCHES WITH ITY PANEL. CONDUIT BETWEEN SEC OOR FOR DOOR SECURITY. WOOD BY OTHERS.	A OCATE TO TION AS VLEVEL AND THE URITY PANEL IRING
Image: Non-Station Plan       Verify Scales         Image: Non-Station Plan       Verify Scales         Image: Non-Station Plan       Merry Scales         Image: Non-Station Plan       Plan		SECUR 5. RELOCA SECUR 6. RELOCA PANEL OTHER 7. RELOCA OWNER	ITY PANEL AND THE PANEL U ATE CONDUIT AND WIRE BETY ITY PANEL AND PANEL CPS. ATE 2-INCH CONDUIT BETWEN AND RTU-CPS. WIRING PROV S. ATE HOSE RACK. COORDINAT & FOR FINAL LOCATION.	PS-CPS. WEEN EN SECURITY IDED BY
RTUCPS-3 RTUCPS				С
F VALLEY WATER TREATMENT PLANT VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING DEMOLITION CULINARY PUMP STATION PLAN PLAN PLAN PLAN PLAN PLAN PLAN PLAN		RTU-CPS-	3	D
I VALLEY WATER TREATMENT PLANT R AND CHEMICAL FEED UPGRADES DEMOLITION CULINARY PUMP STATION PLAN PLAN VERIFY SCALES DBAR IS ONE INCH ON ORIGINAL DRAWING 0 1" IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY OF				E
I VALLEY WATER TREATMENT PLANT       VERIFY SCALES       202001.10       G         R AND CHEMICAL FEED UPGRADES       BAR IS ONE INCH ON ORIGINAL DRAWING       DRAWING NO.       DRAWING NO.         DEMOLITION       0       1"       55DE01       SHEET NO.         CULINARY PUMP STATION PLAN       IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY       SHEET NO.       OF				F
	R AND CHEMICAL FEED UP DEMOLITION CULINARY PUMP STATI	PGRADES	BAR IS ONE INCH ON ORIGINAL DRAWING 0 IF NOT ONE INCH ON THIS SHEET, ADJUST	202001.10 G RAWING NO. 55DE01 SHEET NO.
		12		

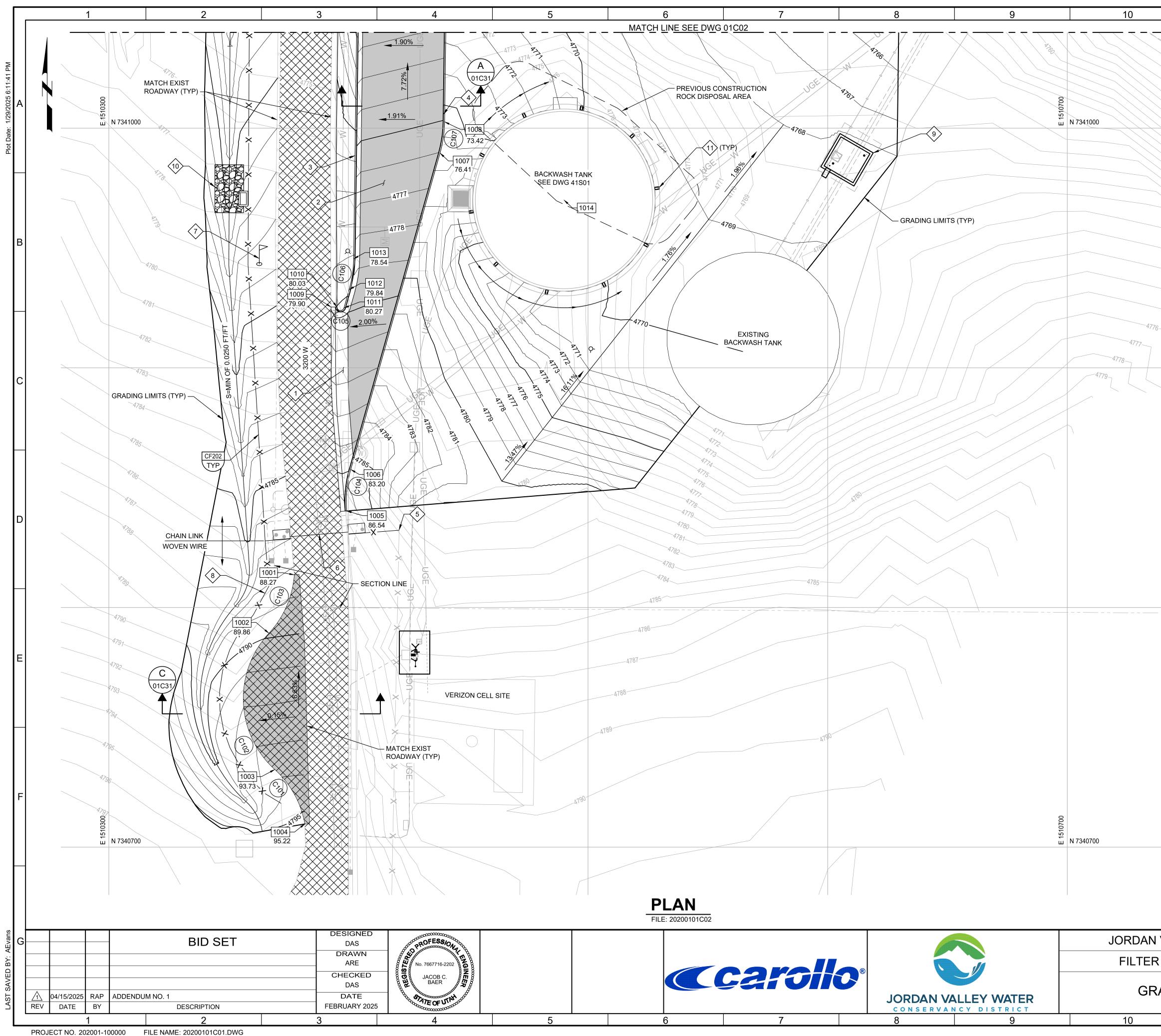


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					LLEY WATER	
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6	7	8	9	10



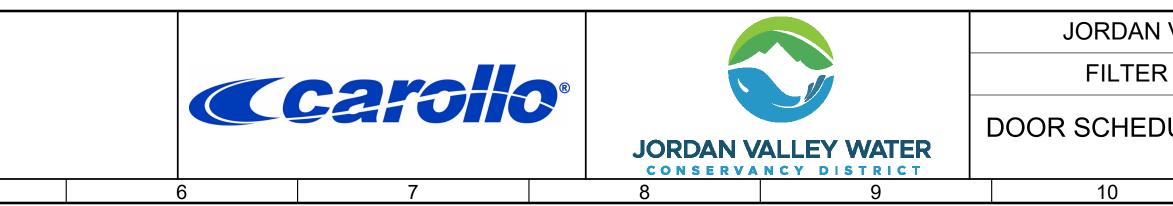
11	12 13	٦
	GENERAL NOTES:         1. SEE 01C07 FOR COORDINATE DATA AND CURVE DATA.         2. ADJUST ALL VALVE BOXES, MANHOLES, HANDHOLES AND PULL BOXES TO FINISHED GRADE.         3. THE ELEVATION/SUBFACE OF NEW SIDEWALKS	<b>A</b>
4763 4768 4768 4768 4772 4772 4773 4774 4775 76 1 1 1 1 1 1 1 1	<ul> <li>KEY NOTES:</li> <li>DRIVEWAY APPROACH, SIMILAR TO APWA PAN 225.</li> <li>ASPHALT PAVEMENT PER DETAIL 1 ON DWG 01C31.</li> <li>CURB AND GUTTER PER APWA PLAN 205.1 TYPE A.</li> <li>VERTICAL CURB PER APWA PLAN 209 TYPE P.</li> <li>INSTALL CORNER POST IN EXISTING FENCE LINE.</li> <li>INSTALL VERTICAL PIVOT GATE OPERATORS FROM EXISTING SOUTH GATE WITH NEW CHAINLINK 300+1 GATE LEAVES FROM AUTOGATE. ADJUST AND BALANCE OPERATORS FOR THE NEW GATES LEAVES, SEE EXISTING GATE 0&amp;M MANUAL AND ADDITIONAL INFORMATION PROVIDED INFORMATION PROVIDED INFORMATION PROVIDED INFORMATION PROVIDED INFORMATION PROVIDED INFORMATION AWCS8-36, 8" BALL BEARING FRAME AWCFB8, AND HINGED 20' POLE AWCP-20.</li> </ul>	в — С
	FOUNDATION SIM TO SC190/TYP. 8. 48" TALL WOVEN WIRE FENCE PER UDOT STD DWG NO FG 1A AND UDOT STANDARD SPECIFICATION 02822. INSTALL SIM TO TYPE F FENCE WITH THE HEIGHT OF THE FENCE INCREASED TO 48". 9. BACKWASH TANK VALVE VAULT, SEE DWG 41S04. 10. D <sub>50</sub> =6" RIPRAP @ 1 FT DEPTH 11. SPLASH PAD PER DETAIL 3 ON DWG 01C33 LEGEND: SLURRY SEAL KEY PLAN	
	Know what's below. Call before you dig.	E F
I VALLEY WATER TREATMENT PLA R AND CHEMICAL FEED UPGRADES CIVIL RADING AND PAVING PLAN 1	BAR IS ONE INCH ON DRAMING NO	6)

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		DOOI NUMBI	ER IN	DSITION NT/EXT	WIDTH	I HEIGHT		(AJ103/11P)	MATL	FINISH	WIDTH	HEIGHT		FRAME TYPE (AJ100/TYP)	MATL	FINISH	HEAD (AJ105/TYP)	DETA JAN (AJ107/
		HLORIN 63-D101		ING - RE EXT	FEREN( 3'-0"	<u>CE DRAW</u> 7'-0"	ING 63A 1 3/4"	01   F	HM	PAINTED	3'-4"	7'-4"	5 3/4"	R	HM	PAINTED	Н	Н
		63-D101 63-D102		EXT EXT	3'-0" 12'-0"	7'-0" 16'-0"	1 3/4" 2"	F C	HM ALUM	PAINTED FACT FIN	3'-4" 14'-0"	7'-4" 16'-0"	5 3/4" 2"	R C	HM STL	PAINTED FACT FIN	H A/AA207	H B/AA
P		63-D102		EXT	3'-0"	7'-0"	2 1 3/4"	F	HM	PAINTED	3'-4"	7'-4"	2 5 3/4"	R	HM	PAINTED	H	B/AA/
		63-D102 63-D102		EXT EXT	3'-0" 12'-0"	7'-0" 16'-0"	1 3/4" 2"	F C	HM ALUM	PAINTED FACT FIN	3'-4" 14'-0"	7'-4" 16'-0"	5 3/4" 2"	R C	HM STL	PAINTED FACT FIN	H A/AA207	H B/AA
		63-D102		EXT	3'-0"	7'-0"	2 1 3/4"	F	HM	PACT FIN	3'-4"	7'-4"	2 5 3/4"	R	HM	PACT FIN	H	H H
		63-D103 63-D104		INT EXT	3'-0" 3'-0"	7'-0" 7'-0"	1 3/4" 1 3/4"	F	HM HM	PAINTED PAINTED	3'-4" 3'-4"	7'-4" 7'-4"	5 3/4" 5 3/4"	R R	HM HM	PAINTED PAINTED	C H	C H
		63-D104		EXT	6'-4"	10'-0"	1 3/4"	F&T	HM	PAINTED	6'-4"	10'-0"	5 3/4"	T	HM	PAINTED	H	H H
		AUSTIC 65-D101		UILDING EXT	<u>- REFE</u> 3'-0"	RENCE DI 7'-0"	RAWING 1 3/4"	65A01	HM	PAINTED	3'-4"	7'-4"	5 3/4"	R	HM	PAINTED	Н	Н
		65-D101	1-02	EXT	14'-0"	14'-0"	2"	С	ALUM	PAINTED	14'-0"	14'-0"	-	-	ALUM	PAINTED	AJ123	AJ12
		65-D102 65-D103		EXT EXT	3'-0" 6'-0"	7'-0" 7'-0"	1 3/4" 1 3/4"	F F&T	HM HM	PAINTED PAINTED	3'-4" 6'-4"	7'-4"	5 3/4" 5 3/4"	R R&T	HM HM	PAINTED PAINTED	H	н Н
	Р	EA, PC,	AND PEO	C AREAS	S - REFE	RENCE D	RAWING	69A02	I			1				1		
		69-D101 69-D101		EXT EXT	3'-0" 13'-4"	7'-0" 13'-4"	1 3/4" 2"	N C	HM ALUM	PAINTED FACT FIN	3'-0" 13'-4"	7'-4" 13'-4"	5 3/4" 2"	R	HM ALUM	PAINTED FACT FIN	H A/AA207	H B/AA2
ľ		69-D102 69-D102		INT EXT	6'-0" 3'-0"	7'-0" 7'-0"	1 3/4" 1 3/4"	G N	HM HM	PAINTED PAINTED	6'-8" 3'-0"	7'-4" 7'-4"	5 3/4" 5 3/4"	R R	HM HM	PAINTED PAINTED	C C	C C
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		OPENIN	IG NUMB	ER H	IEIGHT	WIDTH	I H	EIGHT ABOV	E F.F.	FRAME	FRAME		GLAZIN	IG MATL	FIF	RE RATING		
	С	HLORIN		ING - RE	FEREN		ING 63A	01		MATL	FINISH							
			V104-01		4'-0"	4'-0" ERENCE D		3'-4"		ALUM	COATE	) 8	STANDA	RD, CLEAR		R	-	
		, ,	V102-01		5 - REFE 7'-6"	8'-11"		<u>3 69A03</u> 1'-4"		ALUM	COATED	) S	TANDAF	RD, CLEAR		NR		
		*CO	NTRACT	OR TO F	TELD VE	ERIFY EXI	STING C	PENING HEIC	GHT AND	WIDTH FOR	69-W102	-01 PRIOF	R TO ORI	DERING MATE	RIALS			
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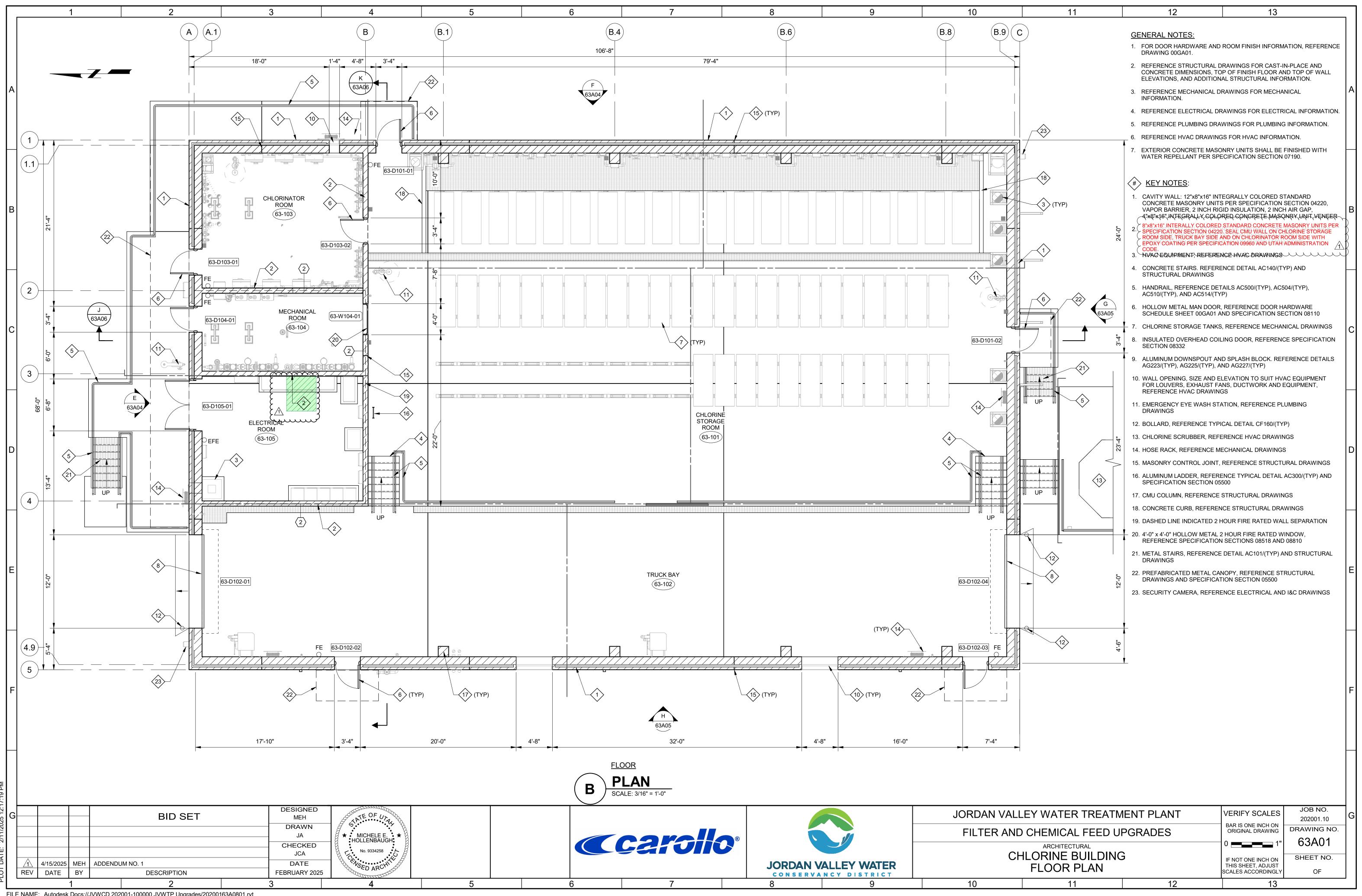
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							F	ROO	M FINISH	SCHE	ÐU	LE													
DETAILS				CARD	PANIC	HARDWARE		ROOM			FLC	DOR	MATL	N	ORTH		EAST	SC	DUTH	V	VEST		CEILING		REMARKS
JAMB	SILL		LOUVER SIZE	READER	HARDWARE	GROUP	N	NUMBER	ROOM NAME			FINISH	MATL	MATL	FINISH	MATL	FINISH	MATL	FINISH	MATL	FINISH	MATL	INT CLR	FINISH	REMARKS
AJ107/TYP)	(AJ109/TYP)							CH	LORINE BUILDING - REFE																
	1			I I				63-101	CHLORINE STORAGE	ROOM	CONC	SEALER	NA	CMU	COATING	CMU	COATING	CMU	COATING	CMU	COATING	MTL DECK	23'-0"	COATING	
Н	E	R	NR	R	R	HW-1		63-102	TRUCK BAY		CONC	SEALER	NA	CMU	COATING	CMU	COATING	CMU	COATING	CMU	COATING	MTL DECK	27'-0"	COATING	
Н	E	R	NR	R	R	HW-1		63-103	CHLORINATOR RC	DOM	CONC	SEALER	NA	CMU	COATING	CMU	COATING	CMU	COATING	CMU	COATING	MTL DECK	11'-0"	COATING	
B/AA207	C/AA207	NR	NR	NR	NR	-		63-104	MECHANICAL RO	MOM	CONC	SEALER	NA	CMU	COATING	CMU	COATING	CMU	COATING	CMU	COATING	MTL DECK	11'-0"	COATING	CONCRETE TOP
H	E	R	NR	R	R	HW-1		63-105	ELECTRICAL ROO			SEALER	NA	CMU	COATING	CMU	COATING	CMU	COATING	CMU	COATING	MTL DECK	11'-0"	COATING	CONCRETE TOP
Н	E	R	NR	R	R	HW-1		CA	USTIC SODA BUILDING - F	REFERENCE D	DRAWIN	365A01	、												
B/AA207	C/AA207	NR	NR	NR	NR	-		65-101	CAUSTIC SODA METERI	ING AREA	CONC 5	SE <b>VE</b> ER	3 NA	CMU	COATING	CMU	COATING	CMU	COATING	CMU	COATING	MTL DECK	26'-0"	COATED	
Н	E	R	NR	R	R	HW-1		65-102	CAUSTIC SODA BULK	K AREA	CONC &	SEVE 1	2 NA	CMU	COATING	CMU	COATING	CMU	COATING	CMU	COATING	MTL DECK	26'-0"	COATED	
С	В	R	NR	NR	R	HW-3		65-103	ELECTRICAL ROO				NA	CMU	COATING	CMU	COATING	CMU	COATING	CMU	COATING	MTL DECK	26'-0"	COATED	
Н	E	R	NR	NR	R	HW-1		PE	A, PC, AND PEC AREAS - I	REFERENCE [	DRAWIN	G 69A02													
Н	E	R	NR	NR	R	HW-2		69-101	PEA DRY FEED AF	REA	EXIST	SEALER	NA	EXIST	COATING	EXIST	COATING	EXIST	COATING	EXIST	COATING	EXIST	EXIST	EXIST	
	1							69-102	PEA POLYMER AF	REA	EXIST	SEALER	NA	EXIST	COATING	EXIST	COATING	EXIST	COATING	EXIST	COATING	EXIST	EXIST	EXIST	
Н	E	NR	NR	R	R	HW-1		69-103	PEC BULK STORAGE	E AREA	EXIST	SEALER	NA	EXIST	COATING	EXIST	COATING	EXIST	COATING	EXIST	COATING	EXIST	EXIST	EXIST	
AJ123	AJ123	NR	NR	NR	NR	-		69-104	PEA METERING A	REA	EXIST	SEALER	NA	EXIST	COATING	EXIST	COATING	EXIST	COATING	EXIST	COATING	EXIST	EXIST	EXIST	
Н	E	NR	NR	R	R	HW-1		69-105	PEC AND PC METE	RING	EXIST	SEALER	NA	EXIST	COATING	EXIST	COATING	EXIST	COATING	EXIST	COATING	EXIST	EXIST	EXIST	
Н	E	NR	NR	R	R	HW-2																			
	1																								
Н	E	NR	NR	R	R	HW-1																			
B/AA207	C/AA207	NR	NR	NR	NR																				
C	B	NR	NR	NR	NR	HW-4																			
C	E	NR	NR	R	R	HW-1																			

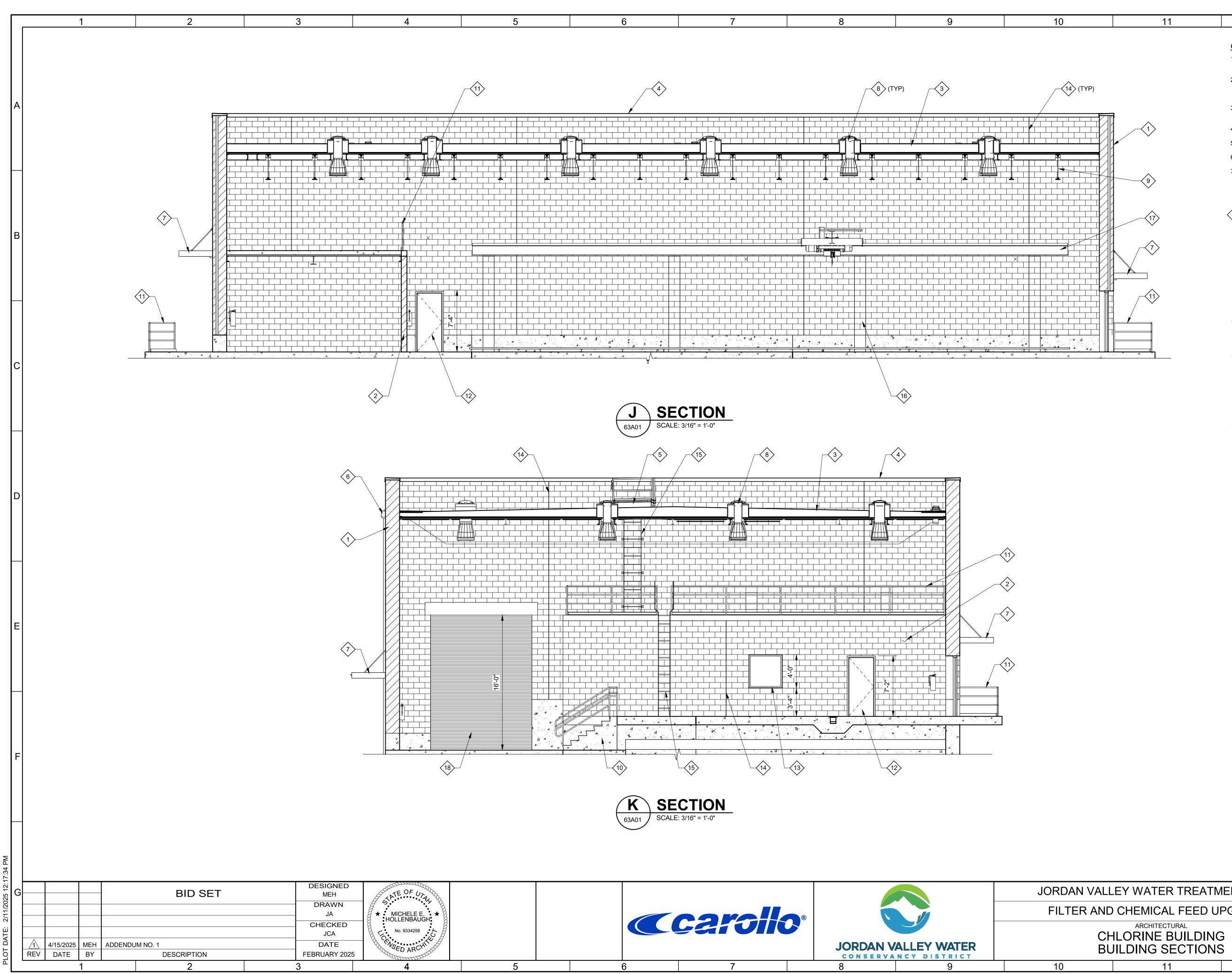
2018 INTERN	ATIONAL ENERGY CONSI	ERVATION CODE1
ENVELOPE COMPONENT	REQUIRED	PROVIDED
BUILDING EN	IVELOPE REQUIREMENTS - SALT LAKE COUNTY - CLIMATE ZOI	NE 5B
INSULATION ENTIRELY ABOVE ROOF DECK	R-30ci	R-30ci
WALLS, ABOVE GRADE - MASS	R-11.4ci	R-11.4ci
FLOORS - MASS	R-10 ci	R-10 ci
OPAQUE DOORS	R-4.75	R-4.75
FIXED FENESTRATION	U-0.38	U-0.38
OPERABLE FENESTRATION	U-0.45	U-0.45
ENTRANCE DOORS	U-0.77	U-0.77
SWINGING DOORS	U-0.37	U-0.37



VALLEY WATER TREATM		VERIFY SCALES	JOB NO.		
		_	202001.10	G	
R AND CHEMICAL FEED U	PGRADES	BAR IS ONE INCH ON ORIGINAL DRAWING	DRAWING NO.		
		0 1"	00GA01		
DULE, WINDOW SCHED	ULE, AND ROOM	IF NOT ONE INCH ON	SHEET NO.		
FINISH SCHEDULE		THIS SHEET, ADJUST SCALES ACCORDINGLY	OF		
	10	40			
11	12	13			



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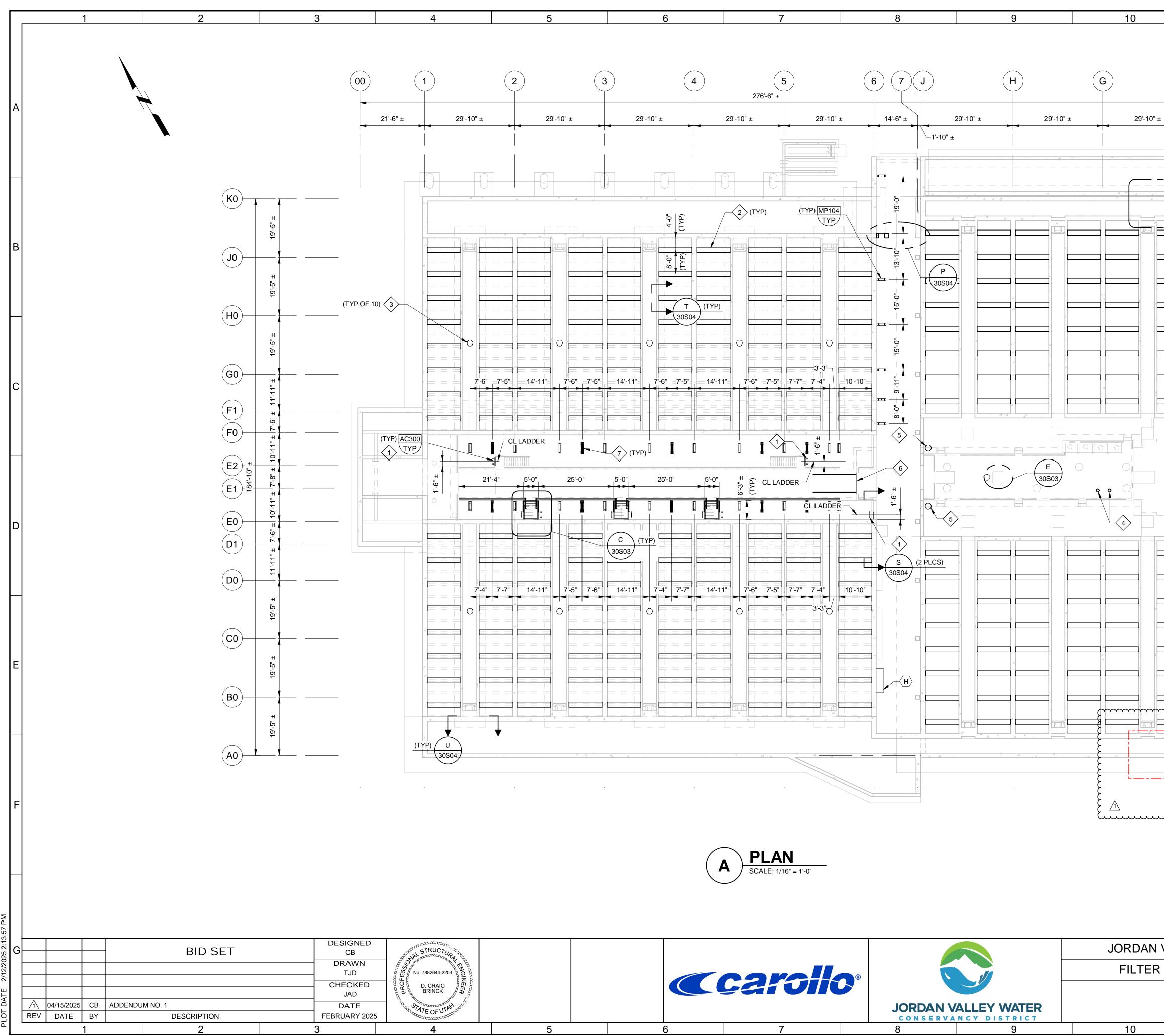
FILE NAME: Autodesk Docs://JVWCD 202001-100000 JVWTP Upgrades/20200163A0801.rvt

11	12	13		-
	<ol> <li>GENERAL NOTES:</li> <li>FOR DOOR HARDWARE AND DRAWING 00GA01.</li> <li>REFERENCE STRUCTURAL D CONCRETE DIMENSIONS, TO ELEVATIONS, AND ADDITION.</li> <li>REFERENCE MECHANICAL DI INFORMATION.</li> <li>REFERENCE ELECTRICAL DE</li> <li>REFERENCE PLUMBING DRAWING</li> <li>REFERENCE HVAC DRAWING</li> <li>EXTERIOR CONCRETE MASO WATER REPELLANT PER SPE</li> </ol>	PRAWINGS FOR CAST-I OP OF FINISH FLOOR AN AL STRUCTURAL INFO RAWINGS FOR MECHA RAWINGS FOR ELECTR WINGS FOR PLUMBING SS FOR HVAC INFORMA	N-PLACE AND ND TOP OF WALL RMATION. NICAL ICAL INFORMATION. INFORMATION. ATION. FINISHED WITH	A
	<ul> <li>KEY NOTES:</li> <li>CAVITY WALL: 12"x8"x16" INT CONCRETE MASONRY UNITS VAPOR BARRIER, 2 INCH RIG 4"x8"x16" INTERALLY COLORED</li> <li>8"x8"x16" INTERALLY COLORED</li> <li>SPECIFICATION SECTION 04220 ROOM SIDE, TRUCK BAY SIDE A EPOXY COATING PER SPECIFIC CODE.</li> <li>TPO-MEMBRANE ROOFING, H AND COVER BOARD, REFERI AND 07540</li> </ul>	S PER SPECIFICATION GID INSULATION, 2 INCH RED CONCRETE MASG STANDARD CONCRETE I SEAL CMU WALL ON CH ND ON CHLORINATOR R CATION 09960 AND UTAH	SECTION 04220, HAIR GAP, MRY, UNIT, VENEER MASONRY UNITS PER LORINE'STORAGE OOM SIDE WITH ADMINISTRATION	B
	<ol> <li>ALUMINUM COPING, REFERE SPECIFICATION SECTION 07</li> <li>ROOF ACCESS HATCH, REFE</li> <li>ALUMINUM DOWNSPOUT AN AG223/(TYP), AG225/(TYP), A</li> <li>PREMANUFACTURED CANOF DRAWINGS AND SPECIFICAT</li> <li>21" SOLATUBE. INSTALL PER RECOMMENDATIONS, REFEF FRAMING</li> <li>STRUCTURAL FRAMING, REF</li> </ol>	700 ERENCE SPECIFICATIO D SPLASH BLOCK. REF ND AG227/(TYP) PY, REFERENCE STRUCTION SECTION 05500 R MANUFACTURER'S RENCE STRUCTURAL D	N SECTION 08320 ERENCE DETAILS CTURAL	С
	<ol> <li>CONCRETE STAIRS. REFERE STRUCTURAL DRAWINGS</li> <li>HANDRAIL, REFERENCE DET AC510/(TYP), AND AC514/(TY</li> <li>HOLLOW METAL MAN DOOR, SCHEDULE SHEET 00GA01 A</li> <li>4'-0" x 4'-0" HOLLOW METAL F SPECIFICATION SECTIONS 0</li> <li>MASONRY CONTROL JOINT,</li> <li>ALUMINUM LADDER, REFERE SPECIFICATION SECTION 05</li> </ol>	AILS AC500/(TYP), AC5 P) , REFERENCE DOOR H, ND SPECIFICATION SE FIRE RATED WINDOW, 8518 AND 08810 REFERENCE STRUCTU ENCE TYPICAL DETAIL 500	04/(TYP), ARDWARE CTION 08110 REFERENCE JRAL DRAWINGS AC300/(TYP) AND	D
	<ul> <li>16. CMU COLUMN, REFERENCE</li> <li>17. BRIDGE CRANE, REFERENCE</li> <li>18. INSULATED OVERHEAD COIL SECTION 08332</li> </ul>	E STRUCTURAL DRAW	NGS	E
				F
 EY WATER TREATM CHEMICAL FEED UI		VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING 0 1"	JOB NO. 202001.10 DRAWING NO. 63A06	G

SHEET NO.

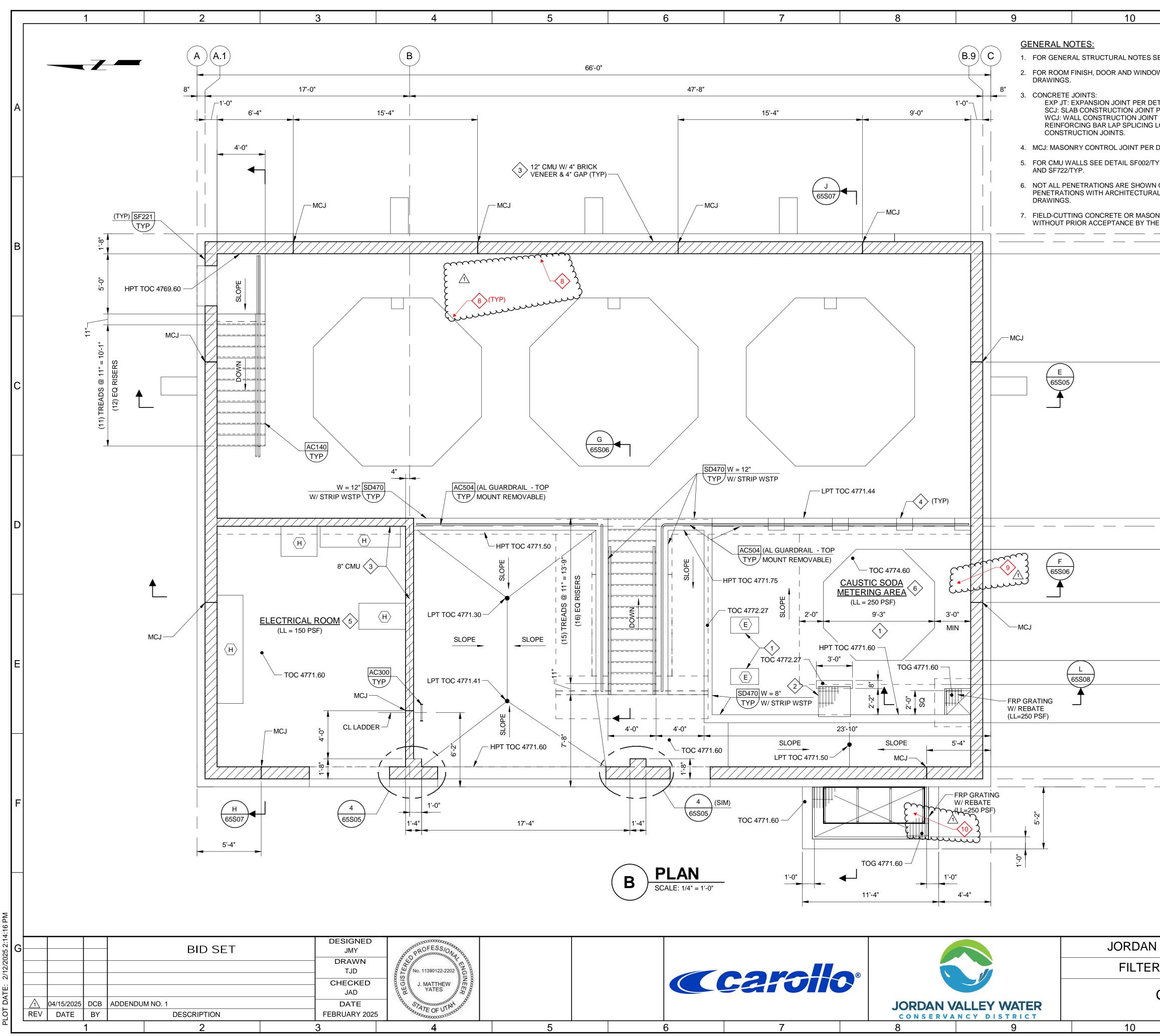
OF

IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY



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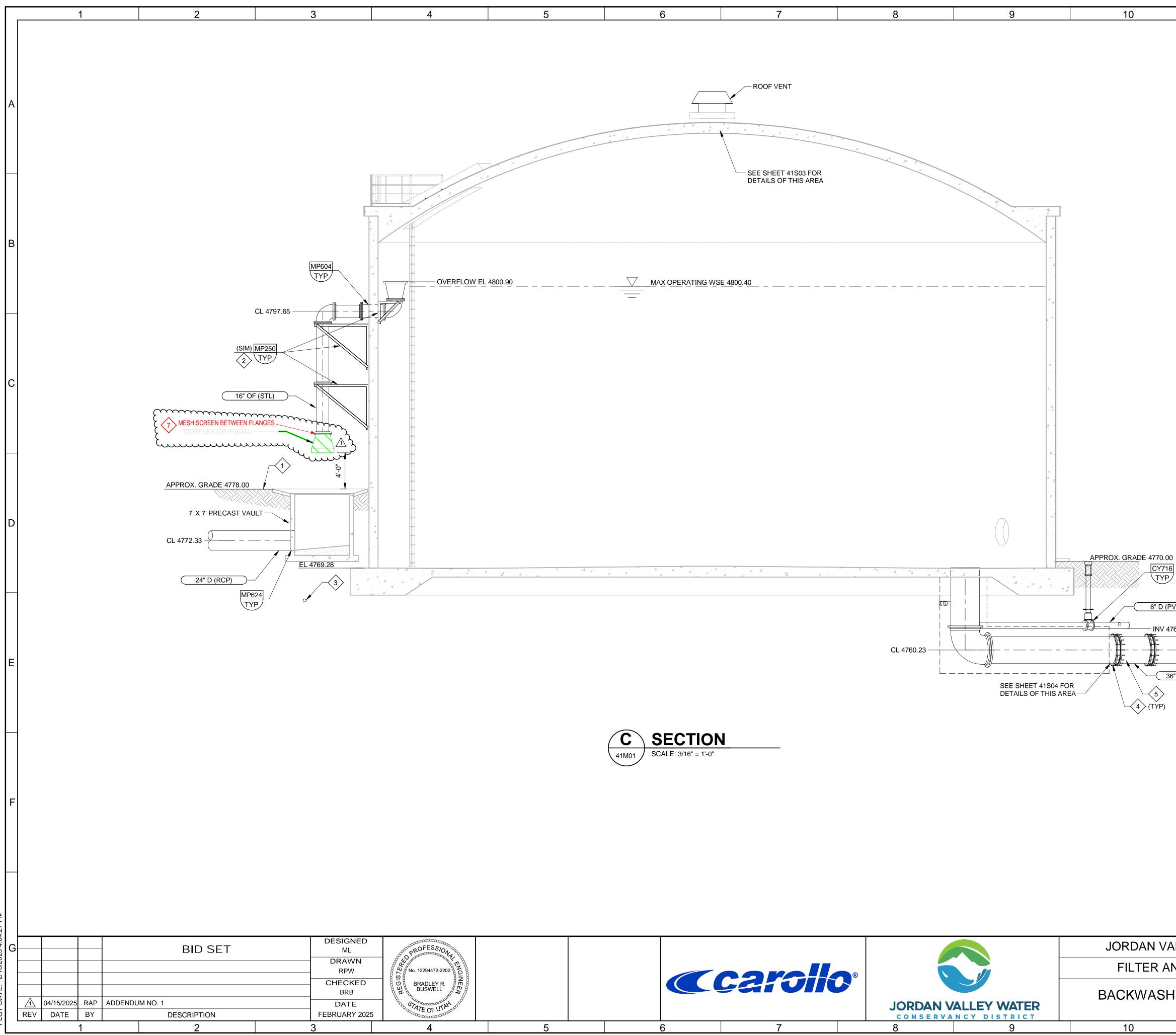
11	1:	2	13		
	<u>GENERAL N</u>	<u>OTES:</u>			
Е	<ul> <li><i>KEY NO</i></li> <li>1. REMOVE G</li> <li>2. NEW FIBER</li> <li>3. FILL OPENI</li> <li>4. SEAL EXIST</li> <li>5. RECONSTR PER ENLAR</li> </ul>	TES: UARDRAIL AND P GLASS TROUGH NG OF MANWAY F TING 1'-0" DIAMET CUCT SLAB AFTER GED PLAN R/305	NOTES SEE DRAWING ROVIDE ACCESS LADD (TYP OF FILTERS 1-16) PER DETAIL 3/30S03. ER HOLES PER DETAIL RINSTALLATION OF NE 604. RAMP. SEE ENLARGEI	ER W/ GATE. . 4/30S04. W 2'-0" DIA PIPE	А
		ORT. SEE DETAIL		,	В
	- <b>X</b>				
					С
					D
					E
H/30S03 (OPP)	-(1)	AREA 30			F
VALLEY WATER TRE			VERIFY SCALES	JOB NO. 202001.10	G
R AND CHEMICAL FEE STRUCTURAL	D UPGRADES		BAR IS ONE INCH ON ORIGINAL DRAWING	drawing no.	
FILTERS LOWER PLAN	I		IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	SHEET NO. OF	
11	12	2	13		



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	11	12	13	
I				]
SEE DRAWINGS 00GS01 OW SCHEDULE SEE AR(		<ol> <li>STRUCTURAL DESIGN INFORM</li> <li>1. FOR GENERAL BUILDING CODE AN 00GS01. THE FOLLOWING NOTES I TO THIS STRUCTURE.</li> </ol>		
ETAIL SD382/TYP. <sup>-</sup> PER DETAIL SD102/TYP T PER DETAIL SD102/TYP		2. RISK CATEGORY: IV BY REQUEST. a. TYPE: WATER TREATMENT FA b. MATERIAL: TOXIC (50% SODIUI 1. $L_{50}$ (ORAL, RAT) = 200MG/K0	CILITY. M HYDROXIDE).	A
T PER DETAIL SD102/TY LOCATIONS SHALL CLE DETAIL SF722/TYP.	EAR		GS. IF THE APPROVED EQUIPMENT WN, NOTIFY THE ENGINEER PRIOR TO	
TYP, SF052/TYP, SF220/1	ГҮР, SF230/ТҮР	<ul> <li>4. LIVE LOADS:</li> <li>a. FLOOR - UNIFORM:</li> </ul>		
N OR DIMENSIONED. CC AL, MECHANICAL, HVAC	CAND ELECTRICAL	<ol> <li>SEE PLAN FOR EACH AREA</li> <li>MINIMUM UNO: 100 PSF.</li> <li>ROOF - UNIFORM:</li> <li>TYPICAL UNO: 20 PSF.</li> </ol>		
ONRY REINFORCING IS I IE ENGINEER.		<ol> <li>JOIST CONCENTRATED: 2,0</li> <li>DECK CONCENTRATED: 30</li> </ol>		
		<ul> <li>5. SNOW LOAD:</li> <li>a. FLAT ROOF SNOW LOAD, Pf: 38</li> <li>b. SNOW LOAD IMPORTANCE FAC</li> <li>c. EXPOSURE FACTOR, Ce = 1.0 (</li> <li>d. THERMAL FACTOR, Ct = 1.1 (CO</li> <li>e. SLOPE FACTOR, Cs = 1.0 (FLAT</li> <li>f. NEAR-GROUND SNOW LOAD, IS</li> <li>g. DRIFT LOADS: SEE PLANS.</li> </ul>	CTOR, Is = 1.20. (CAT B, PARTIALLY EXPOSED). OLD ROOF). [].	В
"0- <sub>-</sub> 6		6. RAIN LOAD a. RAIL LOAD, R = 21 PSF.		
		<ul> <li>7. WIND LOAD:</li> <li>a. BASIC DESIGN WIND SPEED, V</li> <li>b. EXPOSURE CATEGORY: C.</li> <li>c. ELEVATION FACTOR, Ke = 0.84</li> <li>d. INTERNAL PRESSURE COEFFI</li> <li>ENCLOSED).</li> </ul>	·.	
24'-4"		2. SYSTEM RESPONSE MODIF 3. SEISMIC RESPONSE COEF 4. DESIGN BASE SHEAR, V = 2	D. SISTING SYSTEM: BEARING WALL SONRY SHEAR WALLS. FICATION COEFFICIENT: R = 5. FICIENT: Cs = 0.281. 220 KIPS (STRENGTH LEVEL).	С
ō	46'-0"	5. ANALYSIS PROCEDURE: EC d. NONBUILDING STRUCTURE 1. BASIC SEISMIC FORCE RES	QUIVALENT LATERAL FORCE. SISTING SYSTEM: FLAT-BOTTOM IK, MECHANICALLY ANCHORED. FICATION COEFFICIENT RENGTH LEVEL): S EA.	
		<ul> <li>9. FOUNDATION:</li> <li>a. TYPE: SPREAD FOOTINGS/ MA</li> <li>b. ALLOWABLE SOIL BEARING PR</li> <li>1. FOOTINGS: 4000 PS</li> <li>2. MAT: 3000 PSF</li> <li>c. FROST DEPTH: 30 INCHES.</li> </ul>	RESSURE:	
4'-5"		<b>KEY NOTES</b> :		
		<ol> <li>CONTRACTOR SHALL COORDINAT FINAL SUPPLIED EQUIPMENT. DIN</li> <li>FRP GRATING W/ REBATE (LL = 10)</li> </ol>		
2'-0"		<ul> <li>3. PROVIDE CMU WALL REINF:</li> <li>A. 8" CMU WALL = #5@32" VERT; DETAIL SF270/TYP.</li> <li>B. 12" CMU WALL = #6@16" VERT DETAIL SF270/TYP. VENEER SEISMIC TIES ≤ 16" O</li> <li>C. HOOK HORIZ BARS AROUND V</li> </ul>	#5@32" HORIZ; DOWELS TO MATCH PER ; #5@16" HORIZ; DOWELS TO MATCH PER IC AND $\leq$ 8" OC AT OPENINGS. /ERT BARS WHERE INTERRUPTED AT	E
		OPENINGS PER DETAIL SF230. 5. PROVIDE CURB AT GUARDRAIL PO		
Ēn		<ol> <li>6. 12" THICK SLAB WITH #5@12" EW</li> <li>7. 12" THICK SLAB WITH #5@6" EW T</li> </ol>		
3'-8"		8. COAT ENTIRE CONTAINMENT AR	EA, INCLUDING TANK PADS, FLOOR, AFF WITH A VINYL ESTER COATING PER	
 			EA, INCLUDING TANK PAD, FLOOR, SUMP, 2 TER COATING PER SPECIFICATION 09960.	
Ű		10. COAT INSIDE OF OF SUMP WITH A SPECIFICAITON 09960.	A VINYL ESTER COATING PER	F

VALLEY WATER TREATM	IENT PLANT	VERIFY SCALES	JOB NO.	G
			202001.10	9
R AND CHEMICAL FEED U	PGRADES	BAR IS ONE INCH ON ORIGINAL DRAWING	DRAWING NO.	
		0 - 1"	65S02	
CAUSTIC SODA BUILDI LOWER PLAN		IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	SHEET NO. OF	-
11	12	13		



11

(#) <u>KEY NOTES</u>:

12

- 1. TOP OF BOX TO MATCH HIGHEST SURROUNDING GRADE. SEE CIVIL DRAWINGS FOR APPROXIMATE GRADE.
- 2. PIPE SUPPORT BRACING TO BE DESIGNED BY TANK SUPPLIER.
- 3. 4" PERFORATED UNDERDRAIN SYSTEM.
- 4. INSTALL INSULATING FLANGE AS SHOWN ON CP01.
- 5. INSTALL CATHODIC PROTECTION TEST STATION AS SHOWN ON CP01.
- 6. C900 PVC PIPE.
- mmmmmmm 7. PROVIDE NON-CORRODIBLE NO. 4 BUG AND BIRD MESH SCREEN. REINFORCE WITH HEAVY GAGE SCREEN 1 FINE MESH SCREEN. SECURE MES SCREEN BETWEEN PIPE FLANGE AND COMPANION FLANGE, WITH A MINIMUM OI 8 BOLTS. Manna and a second seco

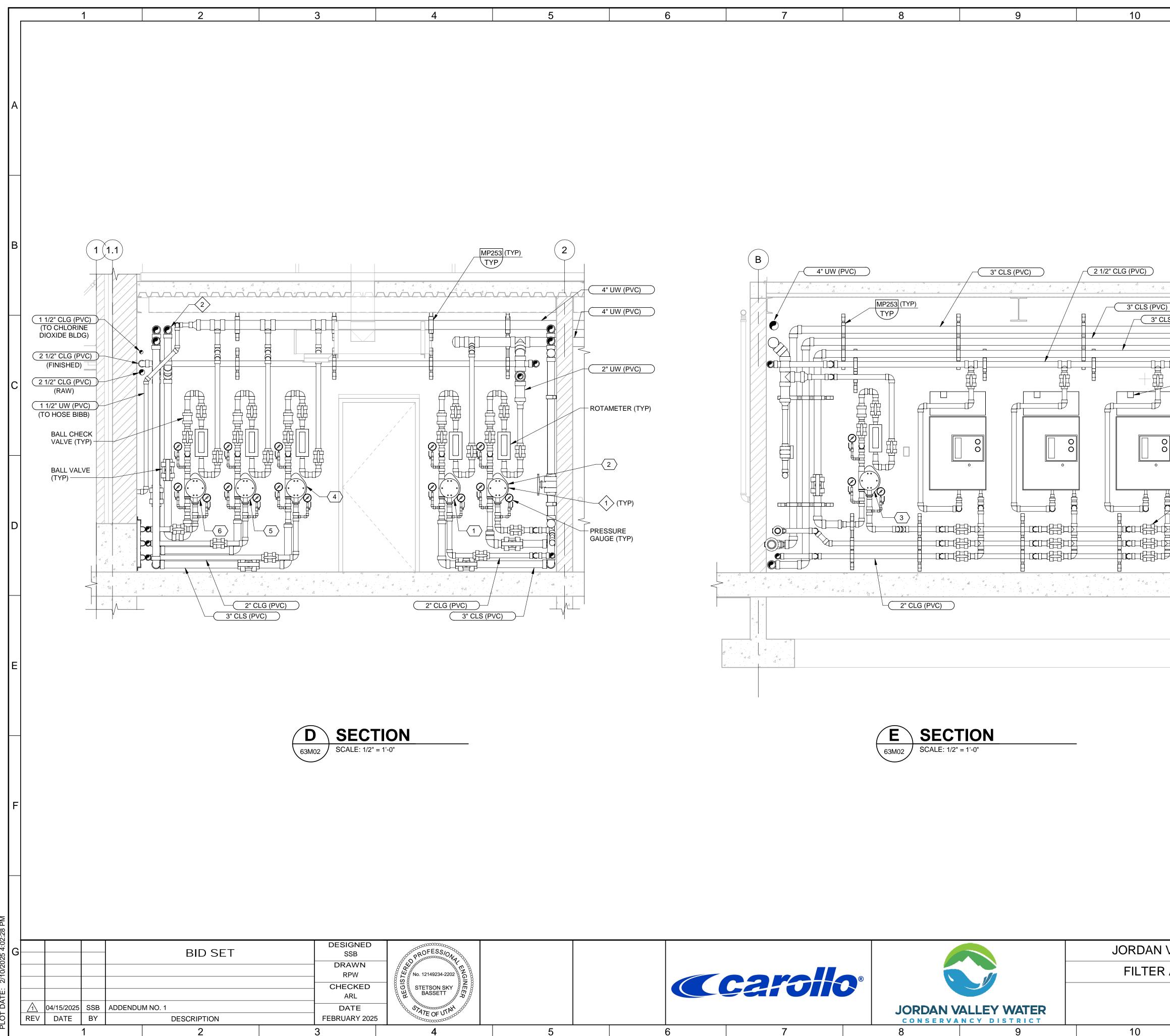
CY716 TYP/

8" D (PVC) 6

- INV 4762.57

36" BWS (STL)

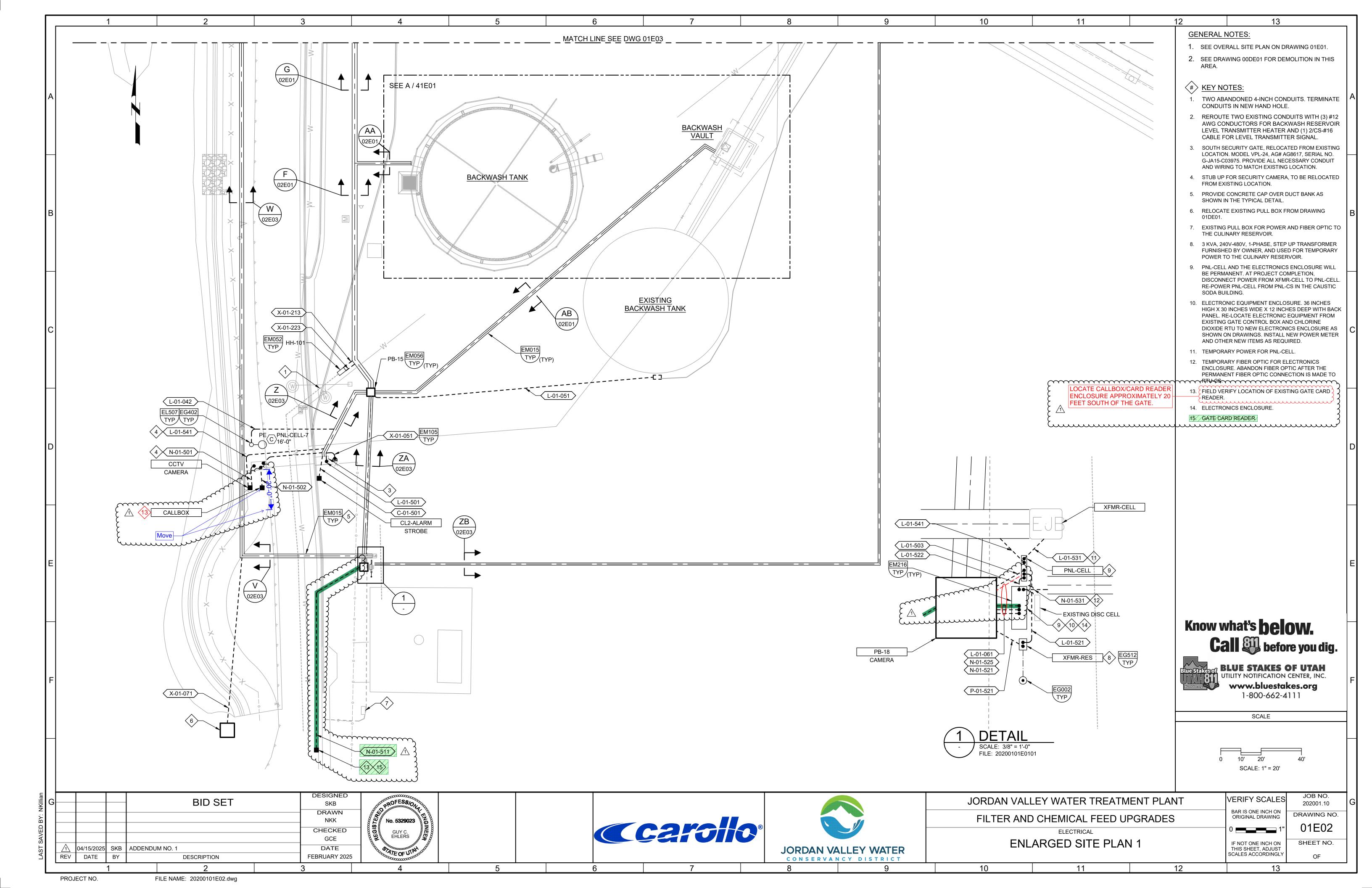
N VALL	EY WATER TREATM	IENT PLANT	VERIFY SCALES	JOB NO. 202001.10	G
R AND	CHEMICAL FEED U	PGRADES	BAR IS ONE INCH ON ORIGINAL DRAWING	DRAWING NO.	
			0 1"	41M02	
ASH I	ANK SECTIONS AI	ND DETAILS	IF NOT ONE INCH ON THIS SHEET, ADJUST	SHEET NO.	
			SCALES ACCORDINGLY	OF	
	11	12	13		

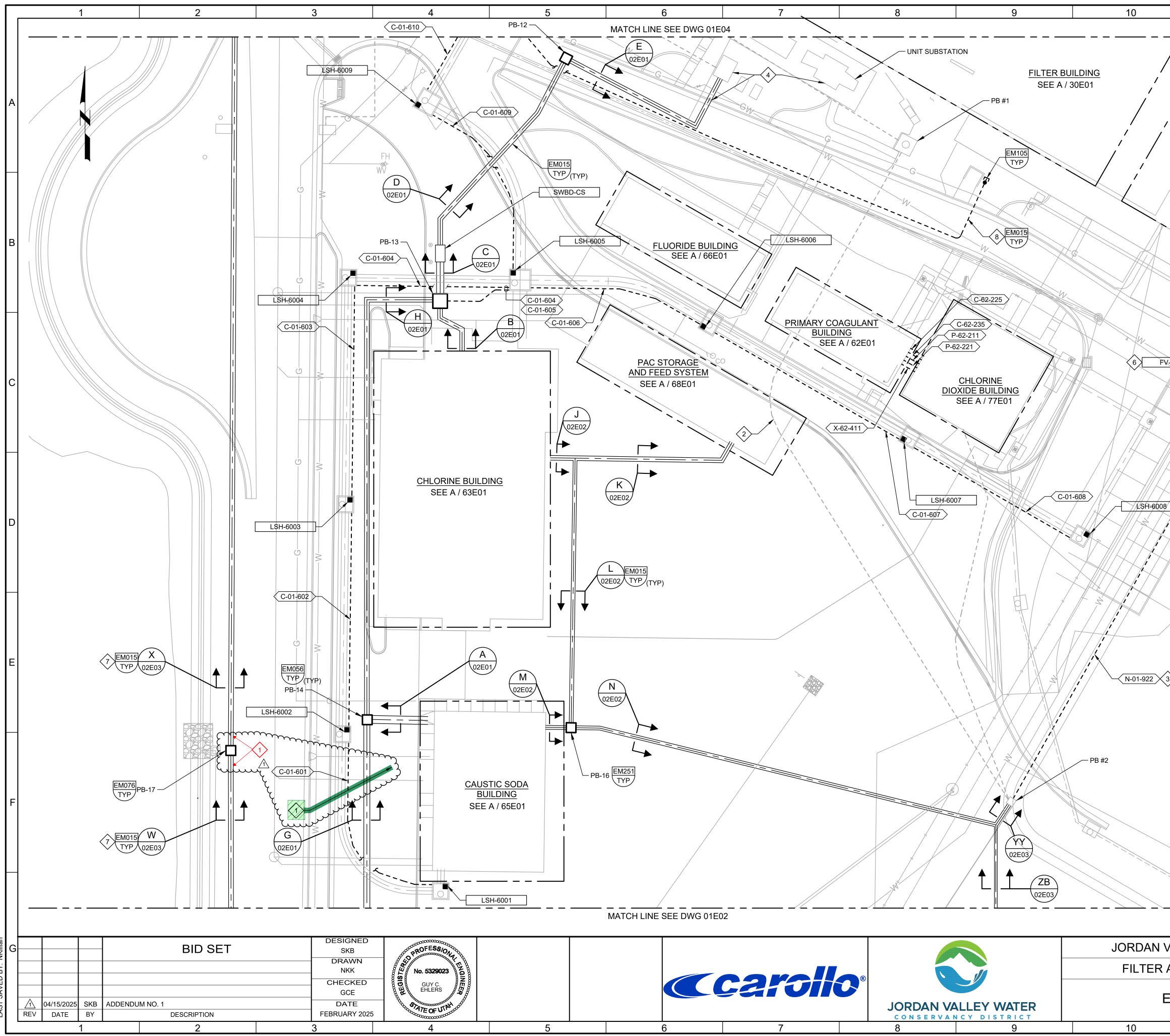


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ZONE OF INF	
	ENCASE ALL BURIED PIPING LOCATED BENEATH THE VELUENCE OF THE STRUCTURE PER TYPICAL DETAIL EQUIRED VALVES, INSTRUMENTS, AND DRAINS ARE EP &ID DRAWINGS. SUPPORT SYSTEMS SHALL BE DESIGNED AND DETAILED INTRACTOR. ALL CALCULATIONS AND DETAILS SHALL BE AND SIGNED BY A REGISTERED ENGINEER IN THE STATE OTES: TOR AND EDUCTOR TO BE PROVIDED BY MANUFACTURER. FICATION SECTION 11260 - GASEOUS CHLORINATION PING ALONG CEILING TO THE NORTH WALL. SUPPORT R DETAIL MP132. TRANSMITTER TO BE PROVIDED BY MANUFACTURER. FICATION SECTION 11260 - GASEOUS CHLORINATION

	11	12	13		
SECTIONS 2			THIS SHEET, ADJUST SCALES ACCORDINGLY	OF	
CH	ILORINE BUILDING	IF NOT ONE INCH ON	SHEET NO.		
	MECHANICAL	0 1"	63M04		
R AND	CHEMICAL FEED UI	BAR IS ONE INCH ON ORIGINAL DRAWING	DRAWING NO.		
VALL	ET WATER TREATIN		202001.10	G	
\//\	EY WATER TREATM	VERIFY SCALES	JOB NO.		

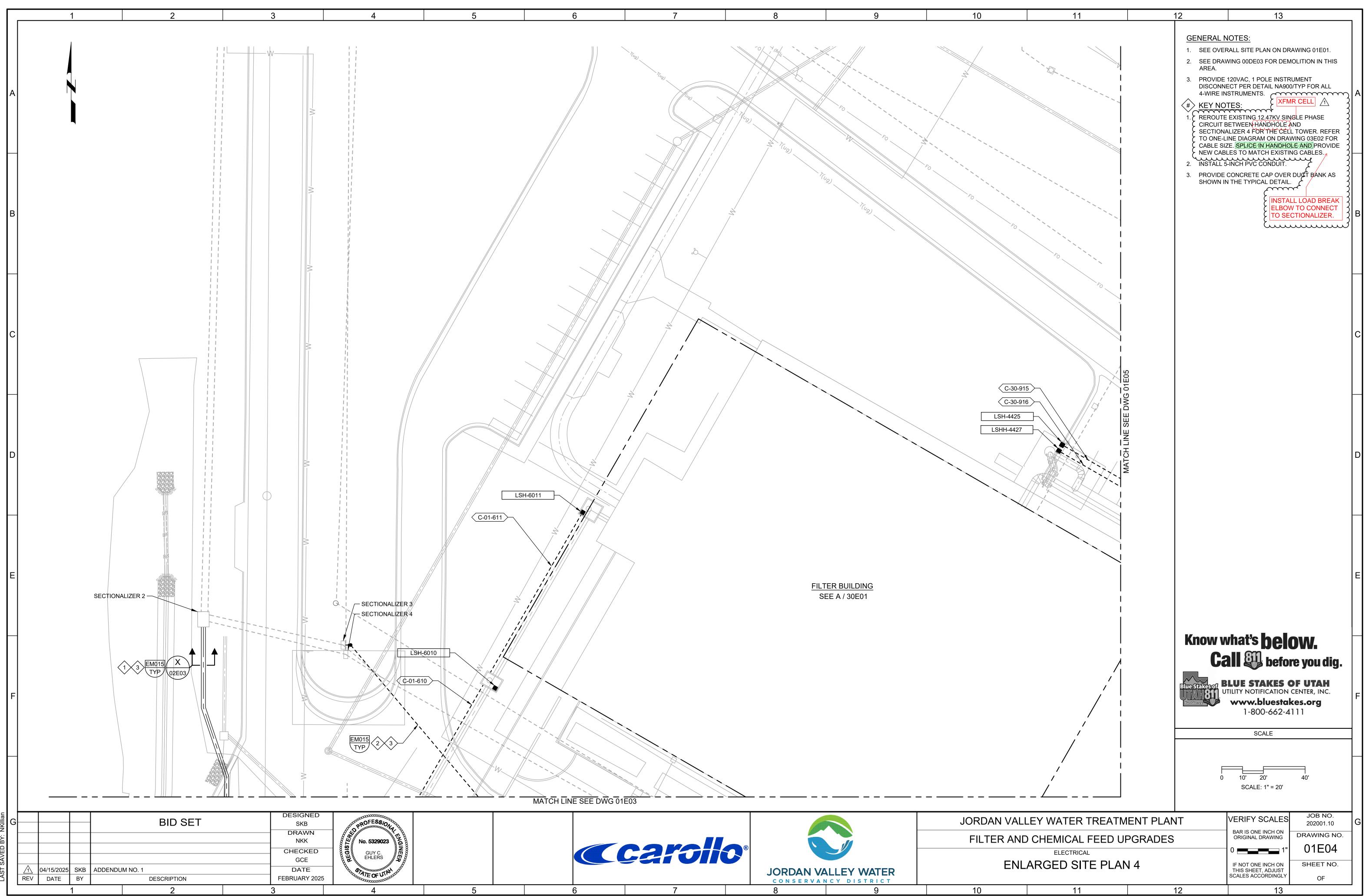




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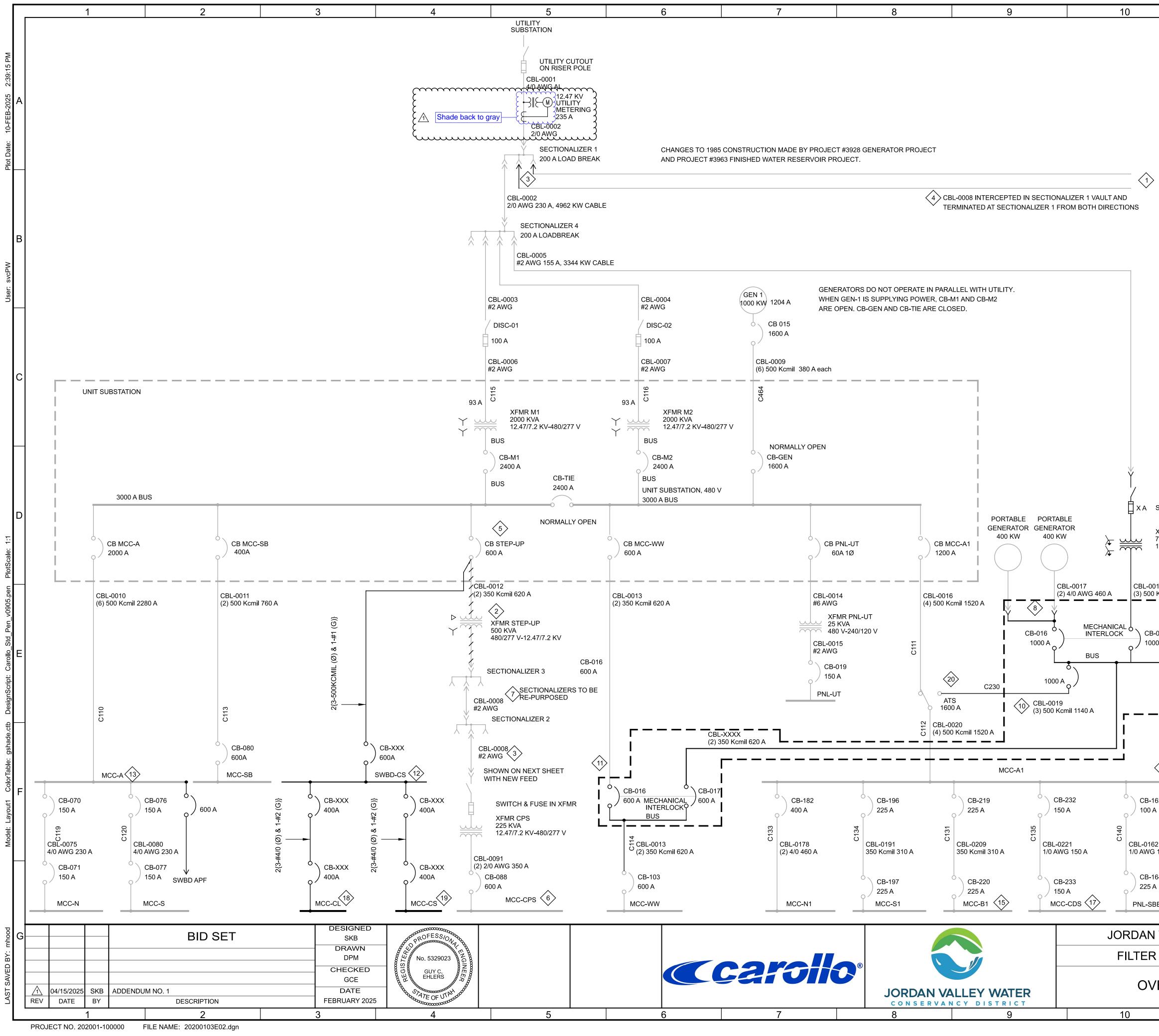
FILE NAME: 20200101E03.dwg

		_
MATCH LINE SEE	12 13	
	<u>GENERAL NOTES:</u> 1. SEE OVERALL SITE PLAN ON DRAWING 01E01.	
	<ol> <li>SEE DRAWING 00DE02 FOR DEMOLITION IN THIS</li> </ol>	
	3. PROVIDE 120VAC, 1 POLE INSTRUMENT DISCONNECT PER DETAIL NA900/TYP FOR ALL	
	4-WIRE INSTRUMENTS.	A
/ FILTER BUILDING PEA	(#) <u>KEY NOTES:</u> { XFMR CELL A	
AND PEC AREA	1. ( REROUTE EXISTING 12.47KV SINGLE PHASE )	
SEE A / 69E01	CIRCUIT BETWEEN HANDHOLE AND	
	CABLE SIZE. SPLICE IN HANDHOLE AND PROVIDE	
/ /	NEW CABLES TO MATCH EXISTING CABLES.	
	<ol> <li>PROTECT EXISTING DUCT BANK IN PLACE BELOW THE NEW PAC AREA.</li> </ol>	
	3. USE EXISTING SPARE CONDUIT TO ROUTE FIBER	
	OPTIC WIRING THROUGH EXISTING DUCT BANK	в
	4. USE EXISTING VAULT BELOW THE TRANSFORMER	
	TO ROUTE NEW 480V CIRCUIT FROM UNIT SUBSTATION TO NEW SWBD-CS THROUGH TWO	
5 PB #11	EXISTING CONDUITS AND NEW DUCT BANK.	
	5. SEE DRAWING 30E10 FOR CONTINUATION.	
	<ol> <li>RECONNECT NEW VALVE ACTUATOR TO EXISTING POWER AND I/O CONDUCTORS.</li> </ol>	
	7. PROVIDE CONCRETE CAP OVER DUCT BANK AS	
<u>=V-4131</u>	SHOWN IN THE TYPICAL DETAIL.	
	8. INSTALL 5-INCH PVC CONDUIT. USE EXISTING SPARE CONDUIT IN EXISTING DUCT BANK.	С
		_
		D
		_
		E
3		
	Know what's <b>below.</b>	_
	<b>Call</b> before you dig.	
	Blue Stakes OF UTAH	
		F
	1-800-662-4111	
	SCALE	
		-
	0 10' 20' 40'	
	SCALE: 1" = 20'	
VALLEY WATER TREATMENT PLAN	T VERIFY SCALES JOB NO. 202001.10	G
AND CHEMICAL FEED UPGRADES	BAR IS ONE INCH ON	
	0 1" 01E03	
ENLARGED SITE PLAN 3	IF NOT ONE INCH ON SHEET NO. THIS SHEET, ADJUST	
	SCALES ACCORDINGLY OF	
11	12 13	



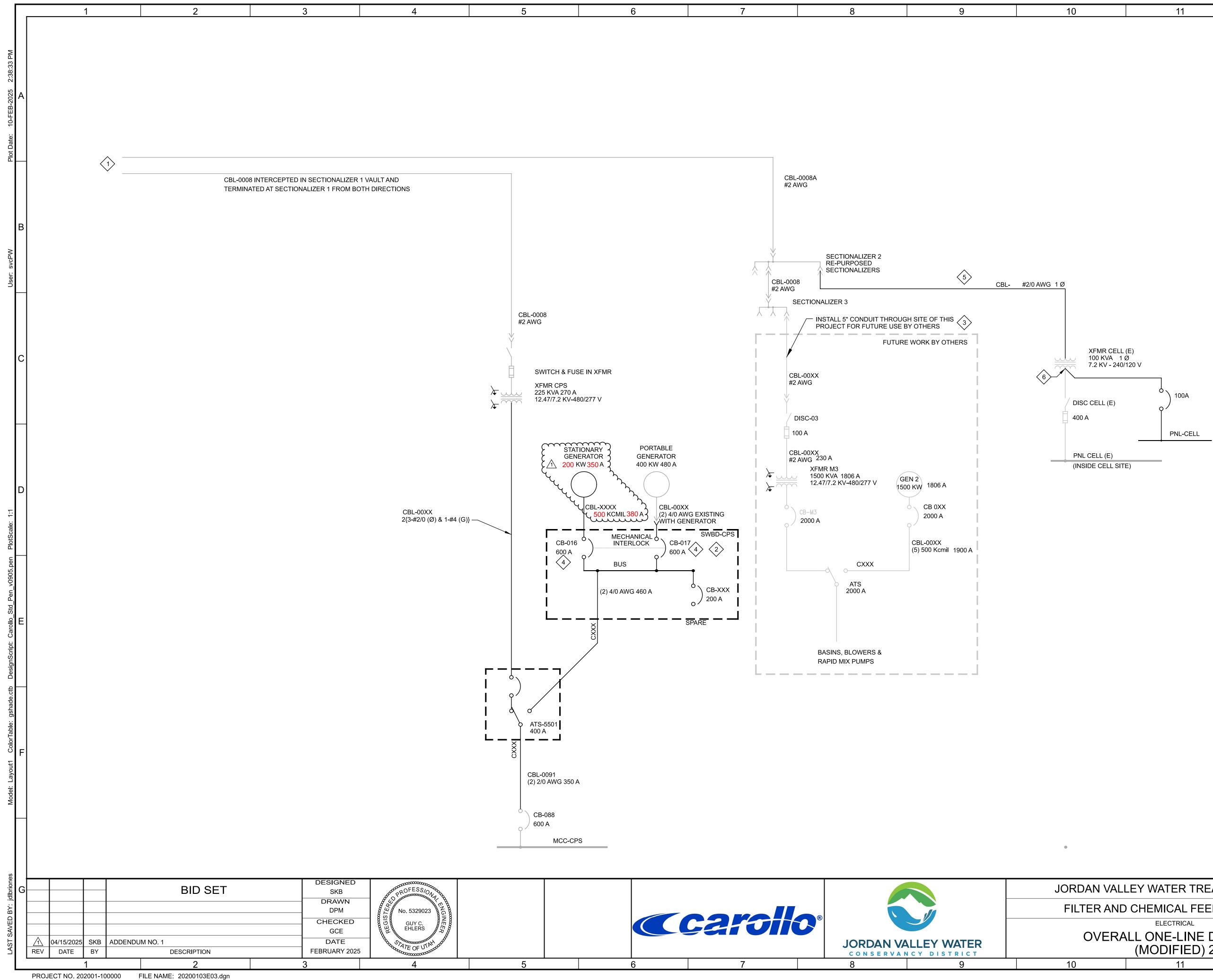
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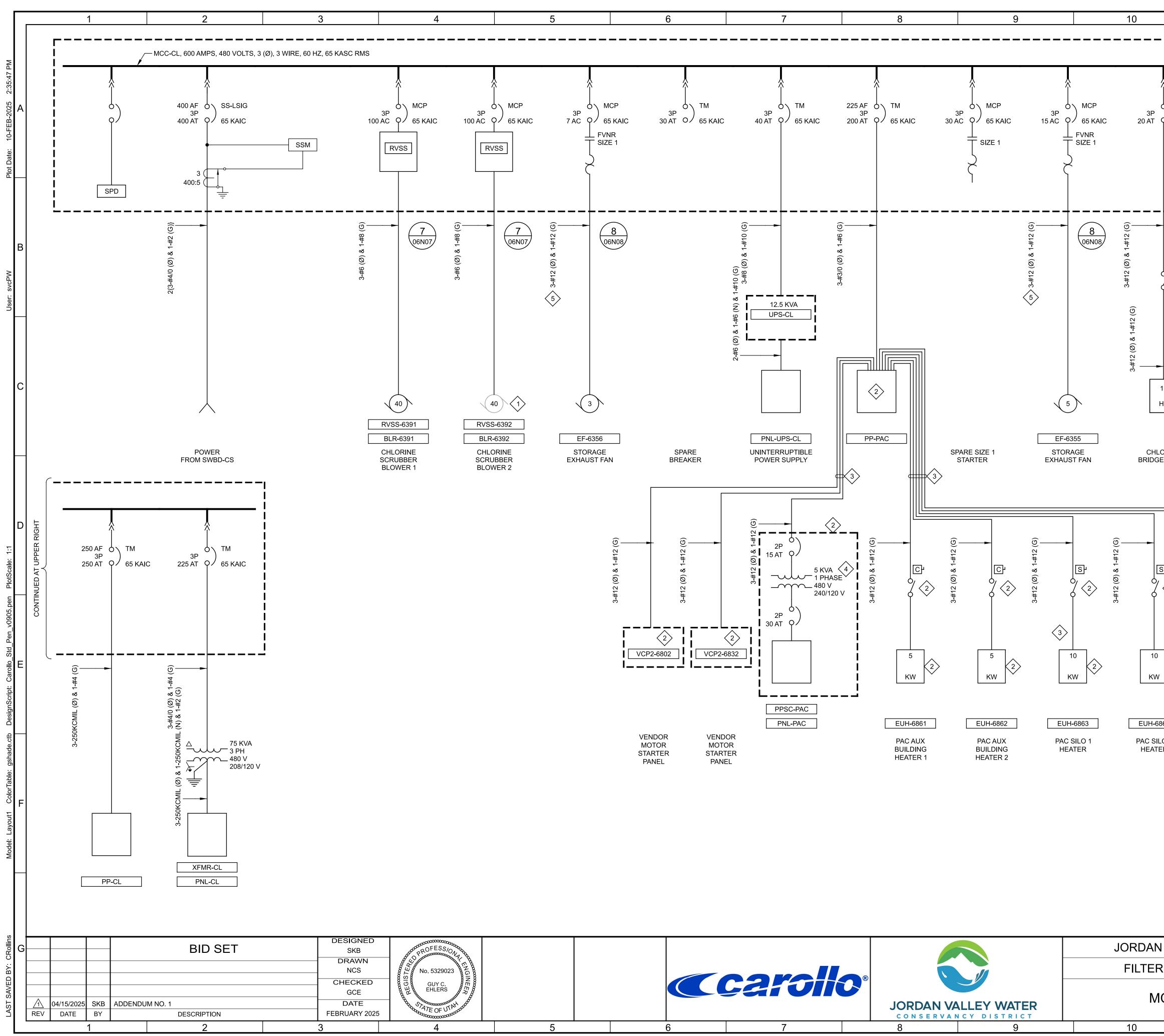
5	6	7	8	9	10

1	1		12	)		13		1
	1.		BACKGROUND PR CY ARE IMPLIED. FI K.					
	2.	REFER TO LOADS.	D MCC ONE-LINE D	IAGRAMS FOR	DETAILS OF DELE	eted, Moi	DIFIED, OR NEW	
	3.	CB-XXX A	ND CBL-XXXX NUN	IBERS TO BE A	SSIGNED BY OWN	IER.		A
	#	KEY NO	TES:					
	1.	CONDUIT	CONTINUES ON DI	RAWING 03E03				
			TRANSFORMER AN					
Ę	3.	CABLE CE	BL-0008 PASSES TH	IROUGH THE P	AD-VAULT BELOW	SECTION	4	
$   \mathbf{t} $	<u>1</u>	OF THE C PULL BOT TERMINA	MATELY 10 FEET O ABLE RUN. CUT CA TH CABLE SETS INT TE ON THE SPARE HOWN AT TOP OF T	ABLES IN THE P O THE SECTIO SECTIONALIZE	PAD-VAULT BELOV PNALIZER VAULT E R TERMINALS. M	V SECTION NOUGH T	NALIZER 1.	
بر	4.		CABLE CBL-0008.				LOW ON THIS	
	5.	RENAME	CIRCUIT BREAKER	TO CB-CS.			TO CONNECT	в
	6.	REFER TO	O ONE-LINE DRAWI	NG 03E03 FOR	MCC-CPS POWER	R SOURCE		
	7.		DRAWING 03E03	FOR MODIFIED	POWER FLOW TH	-IROUGH <sup>-</sup>	THESE	
	8.	PROVIDE	CAM LOCK FITTING	GS COMPATIBL	E WITH THE EXIS	TING DIST	RICT	
	9.		ONE COMMON OU	TDOOR ENCLO	SURE.			
	10.	BETWEEN PARALLEI SWBD-AP TEST EXIS	O SETS OF THE TH N THE EXISTING SW SET OF CONDUC F WITH THE OTHER STING CONDUCTOR EPTABLE, DEMOLIS	VBD-APF AND T TORS IN PULLE R TWO EXISTIN RS PRIOR TO U SH EXISTING CO	HE ATS. SPLICE C 30X PB #7 AND RC 1G SETS OF CONE JSE. IF MEGGER T ONDUCTORS AND	ONTO THE OUTE INTC OUCTORS. EST RESU REPLACE	THIRD NEW MEGGER JLTS ARE	С
	44					3D-APF.		
					²F.			
			DRAWING 03E05.					
			DRAWING 03E08.					
			DRAWING 03E11.					
			DRAWING 03E14.					
			DRAWING 03E16.					
A SWITCH & FUSE IN XFMR			DRAWING 03E18.					
			DRAWING 03E20.					D
XFMR APF 750 KVA 12.47/7.2 KV-480/277 V	19.	REFER TO	DRAWING 03E22.					
12.4///.2 (\V-400/2// V	20.	TERMINA	TE THE EXISTING T	HIRD SET OF C	CONDUCTORS TO	THE ATS.		
			~	FROM MC	C-A			
3L-0018 ) 500 KCMIL 1140 A			< g					
				<b>— — — —</b>	1			
CB-017 1000 A				(E)	) (2) 350 KCMIL			
SWBD-APF, 12	00 A, 480	V, 3 PH, 3 V	VIRE, 60 HZ, 65KASC	CRMS				E
			MECH		1			
O CB-01				RLOCK	600 A			
→ 600 A	N .			^	1			
- — — — — — – – – – – – – – – – – – – –			OUR BLOWERS	· – – –				
		FED FRO						
CBL-XX (2) 350	XX KCMIL 62	20A						
(14) <sup>d</sup> \ св-02	20							
γ <sup>/ 600 A</sup>	\ 							
CB-163 <u>MCC-</u> 100 A	BL (16	>						F 
0162 AWG 150 A								
CB-164								
225 A								
IL-SBE								
AN VALLEY WATE	R TR	EATM	 ENT PI ANT		VERIFY SCA	LES	JOB NO. 202001.10	G
ER AND CHEMICA					BAR IS ONE INC		DRAWING NO.	<b> </b>
						1"	03E02	
		DIAG	RAM		IF NOT ONE INC		SHEET NO.	
(MODIF					THIS SHEET, AD SCALES ACCORD		OF	
	<u></u>  1		12	)		13		1



6	7	8	9	10	11	12	13
						GENERAL NOTES:	
							PROVIDED BY JORDAN VALLEY. NO ACY ARE IMPLIED. FIELD VERIFY SITE RFORMING THE WORK.
						2. CB-XXX AND CBL-XXXX N	UMBERS TO BE ASSIGNED BY OWNER.
						(#) <u>KEY NOTES:</u>	
						1. CONDUIT CONTINUES OF	I DRAWING 03E02.
						FOR THE ALTERNATE PLA	FORMERLY IDENTIFIED AS "SWBD-APF" NT FEED TO BE RELOCATED TO THE NAND RELABELED AS SWBD-CPS. REFEF
						3. INSTALL NEW 5-INCH COI 01E04.	NDUIT AS SHOWN ON DRAWINGS 01E03 A
	CBL- #2 A\	0008A NG				4. UPDATE EXISTING BREAD	KER TO 350A TRIP.
						5. REROUTE EXISTING CIRC DRAWINGS.	CUIT AS SHOWN ON THE SITE PLAN
						6. TAP OFF OF SECONDARY POWER TO NEW PANELB	SIDE OF TRANSFORMER FOR TEMPORA OARD PNL-CELL.
	CBL-0008 #2 AWG	SECTIONALIZER 2 RE-PURPOSED SECTIONALIZERS	5 CBL	- #2/0 AWG 1 Ø			
		/ INSTALL 5" CONDUIT THROUGH PROJECT FOR FUTURE USE BY					

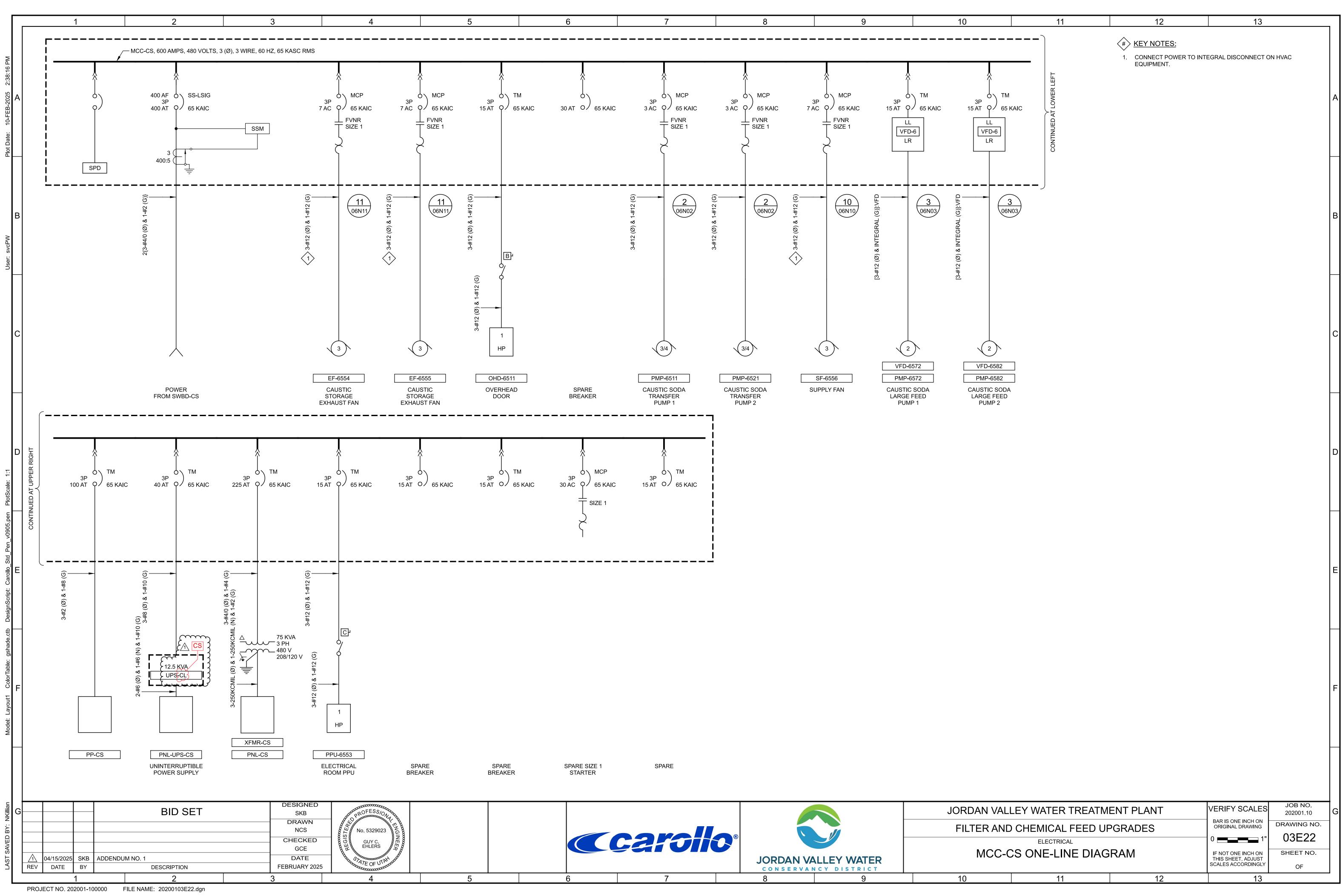
N VALLEY WATER TREATM	VERIFY SCALES	JOB NO. 202001.10	G	
R AND CHEMICAL FEED U	BAR IS ONE INCH ON ORIGINAL DRAWING			
ELECTRICAL	0 1"	03E03		
VERALL ONE-LINE DIA	IF NOT ONE INCH ON THIS SHEET, ADJUST	SHEET NO.		
(MODIFIED) 2	SCALES ACCORDINGLY	OF		
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PROJECT NO. 202001-100000 FILE NAME: 20200103E20.dgn

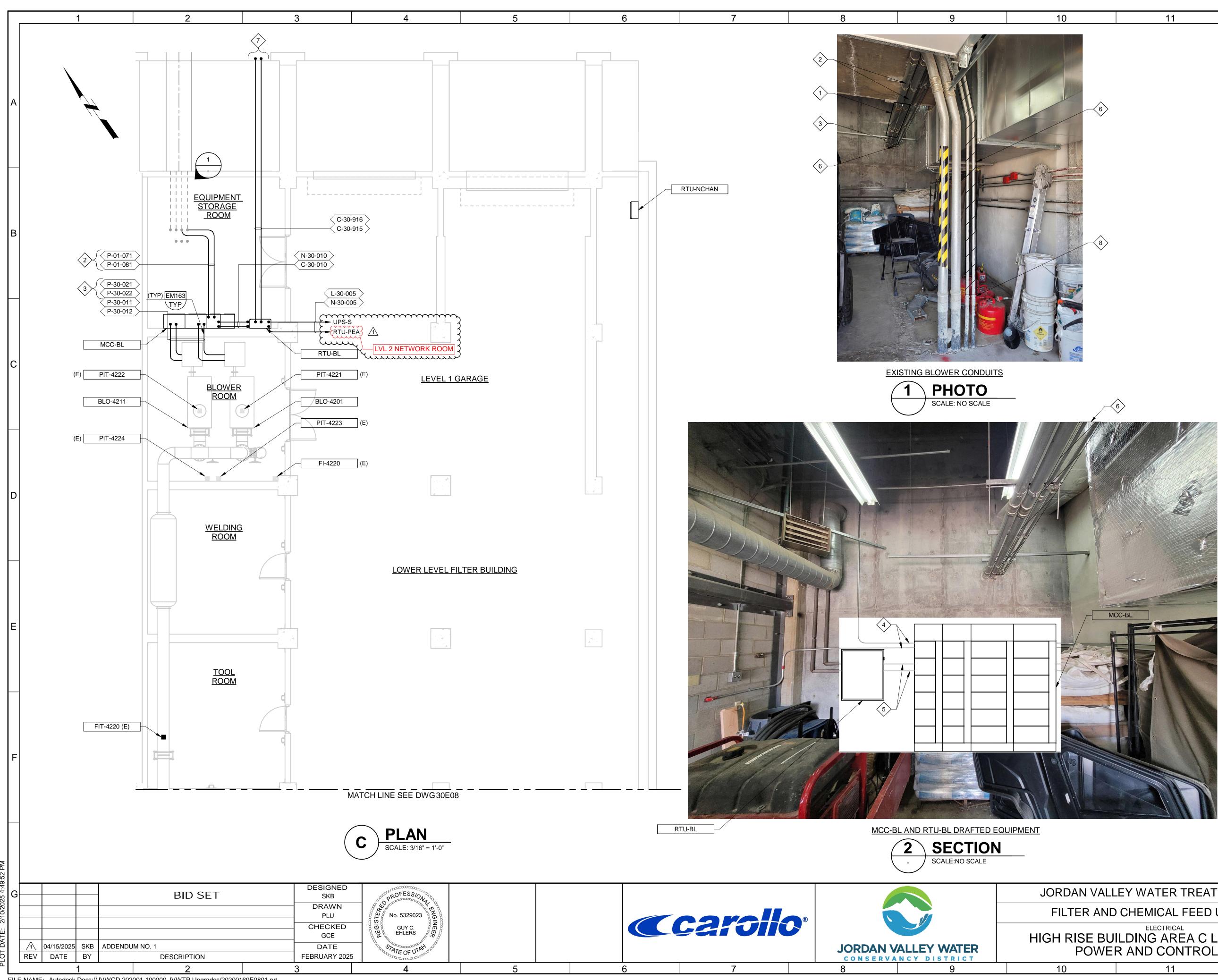
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11     12     13       Image: State of the state of				
COMPRESENT CONTRACT PLANT     COMPRESENT     C		12	13	
CONVERSION	TM 65 KAIC	<ol> <li>EXISTING, RELOCATED</li> <li>PROVIDED BY PAC SYS</li> <li>CONDUIT AND WIRE AR</li> <li>EQUIPMENT KVA RATING SIZE AND PROVIDE TRA</li> </ol>	TEM SUPPLIER. E PROVIDED BY THE PAC SYSTEM SUPPL G IS SHOWN, HOWEVER PAC SUPPLIER SI INSFORMER AND PANELBOARD.	HALL A
Imp         I				В
GE CRAME       Image: Comparison of the second procession of the second procesion of the second procession of the second procession	HP			С
0       2	GE CRANE			D
TER       COMPRESSOR       COMPRESSOR       F         F       F       F       F         N VALLEY WATER TREATMENT PLANT       VERIFY SCALES       JOB NO. 202001.10       F         R AND CHEMICAL FEED UPGRADES       DRAWING NO. 0 = 1*       DRAWING NO. 0 3E20       DRAWING NO. 03E20         ICC-CL ONE-LINE DIAGRAM       FHOS SHET, ADUNT SCALES ACCORDINCT       SHEET NO. 0F       SHEET NO. 0F				E
N VALLEY WATER TREATMENT PLANT       VERIFY SCALES       202001.10       G         R AND CHEMICAL FEED UPGRADES       BAR IS ONE INCH ON ORIGINAL DRAWING       DRAWING NO.       DRAWING NO.         ELECTRICAL       0       1"       03E20       03E20         //CC-CL ONE-LINE DIAGRAM       IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY       SHEET NO.       OF				F
	R AND CHEMICAL FEED	D UPGRADES	VERIFY SCALES       202001.10         BAR IS ONE INCH ON ORIGINAL DRAWING       DRAWING N         0       0         IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY       SHEET NO	G 10. )



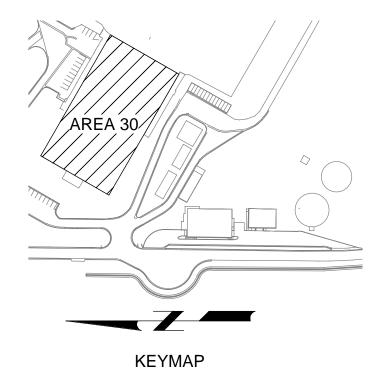
CC-CS	ONE-I	LINE	DIAG	iRAM

AR IS ONE INCH ON RIGINAL DRAWING	DRAWING NO.
<b></b> 1"	03E22
NOT ONE INCH ON IIS SHEET, ADJUST	SHEET NO.
ALES ACCORDINGLY	OF
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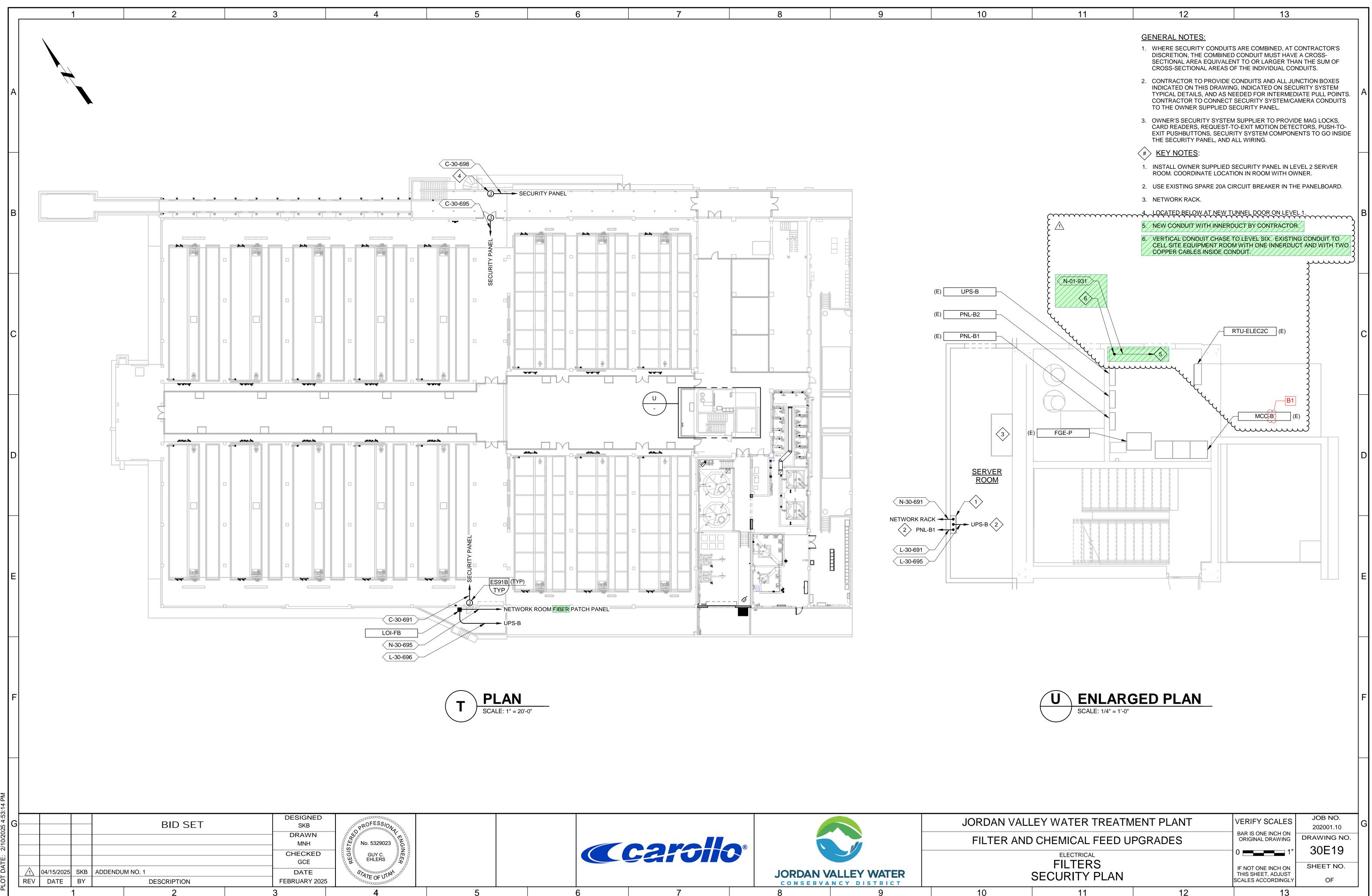


FILE NAME: Autodesk Docs://JVWCD 202001-100000 JVWTP Upgrades/20200169E0801.rvt

11		12	13	
11		12	13	]
	1. NEV DOC ON BRA	DRWAYS AND WILL NEED ITS SIDE. COORDINATE V	DRAWING IS TALLER THAN THE TO BE BROUGHT INTO THE BUILDING VITH MANUFACTURER FOR PROPER D PROTECT EQUIPMENT DURING	
	(#) <u>Ke</u>	<u>EY NOTES</u> :		A
		ERCEPT EXISTING POWE WERS.	R CONDUITS FROM PB #7 TO THE EXISTING	
	2. ROL	JTE VIA EXISTING INTER	CEPTED CONDUITS TO PB #7.	
	REL		TION, THE EXISTING CONDUITS MAY BE EN BLOWER BLO-4211, BLO-4201 AND THE	
	4. REL	OCATE EXISTING LIGHTI	NG AND FIRE ALARM CONDUITS.	
	5. REL	OCATE EXISTING HOT W	ATER SUPPLY AND RETURN LINES.	
	6. DEN	IOLISH TWO SOLENOID C	CONDUITS AND RE-ROUTE TO NEW MCC-BL.	
	7. CON	DUITS CONTINUE ON DR	RAWING 01E05.	
	8. CAP	PEXISTING CONDUITS.		B
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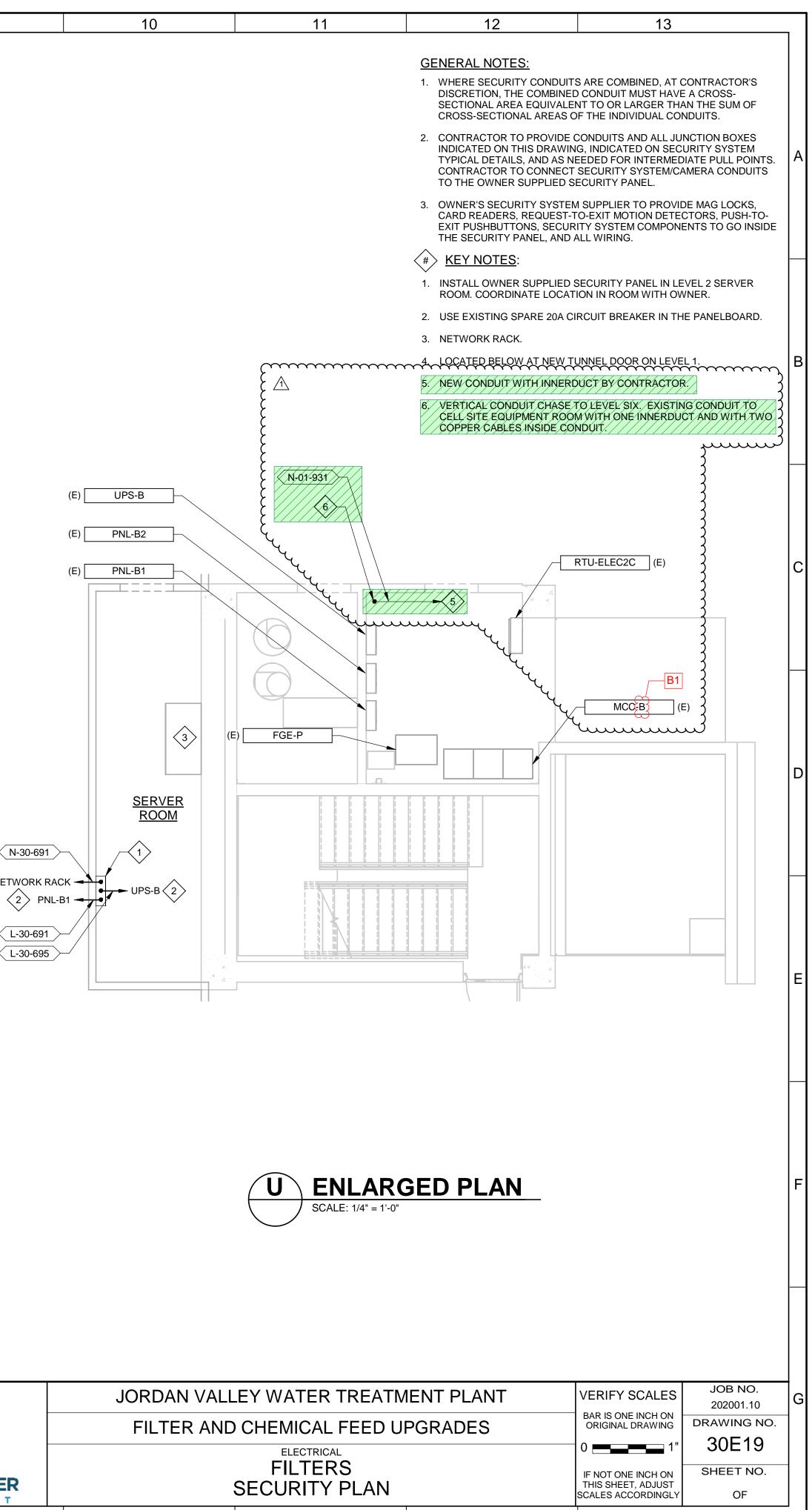
VALLEY WATER TREATM	VERIFY SCALES	JOB NO.	G		
		202001.10			
R AND CHEMICAL FEED U	BAR IS ONE INCH ON ORIGINAL DRAWING	DRAWING NO.			
	0	30E03			
ELECTRICAL			0000		
SE BUILDING AREA C LC	WER LEVEL	IF NOT ONE INCH ON	SHEET NO.		
OWER AND CONTROL I	THIS SHEET, ADJUST SCALES ACCORDINGLY	OF			
11	11 12				

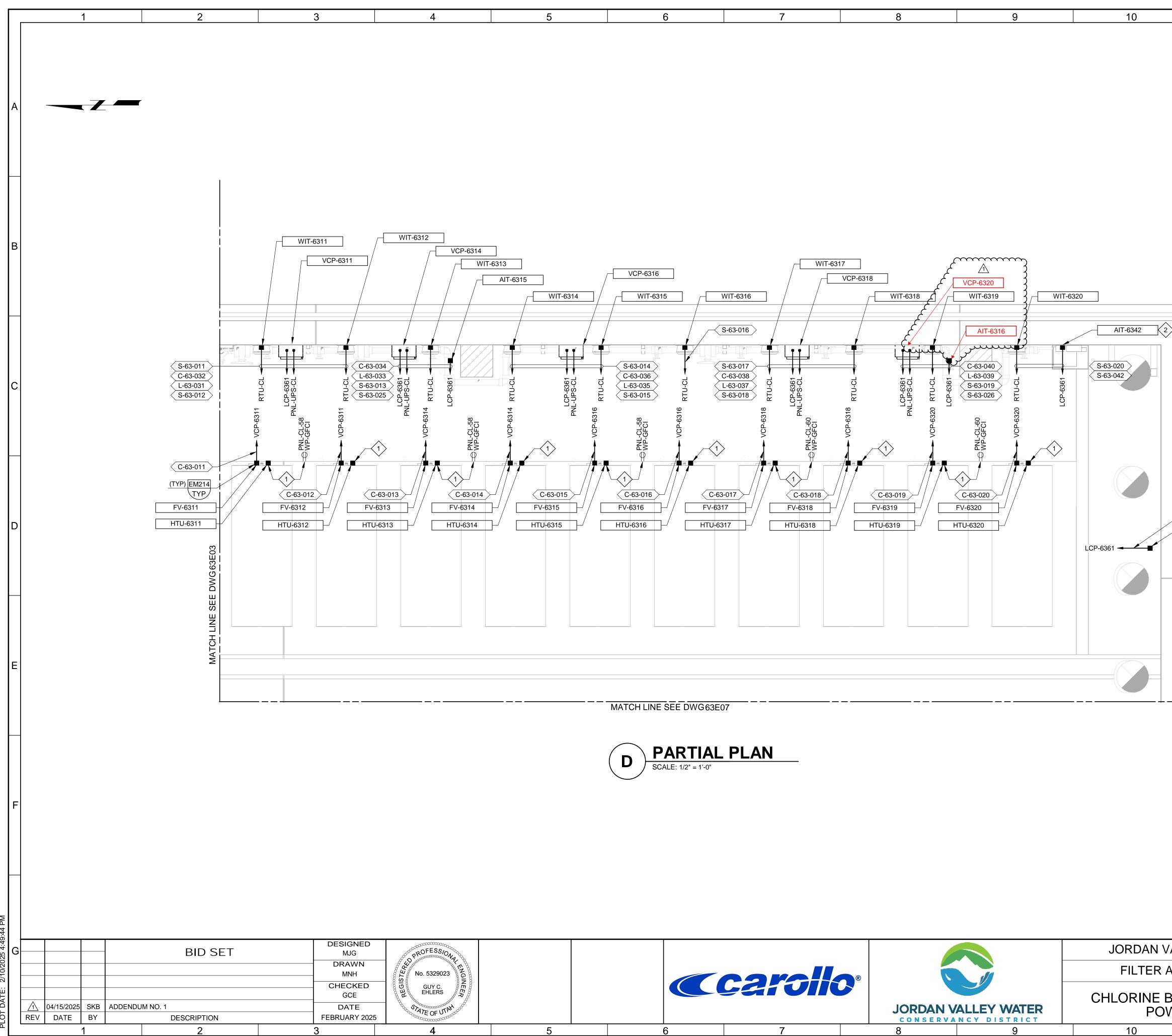


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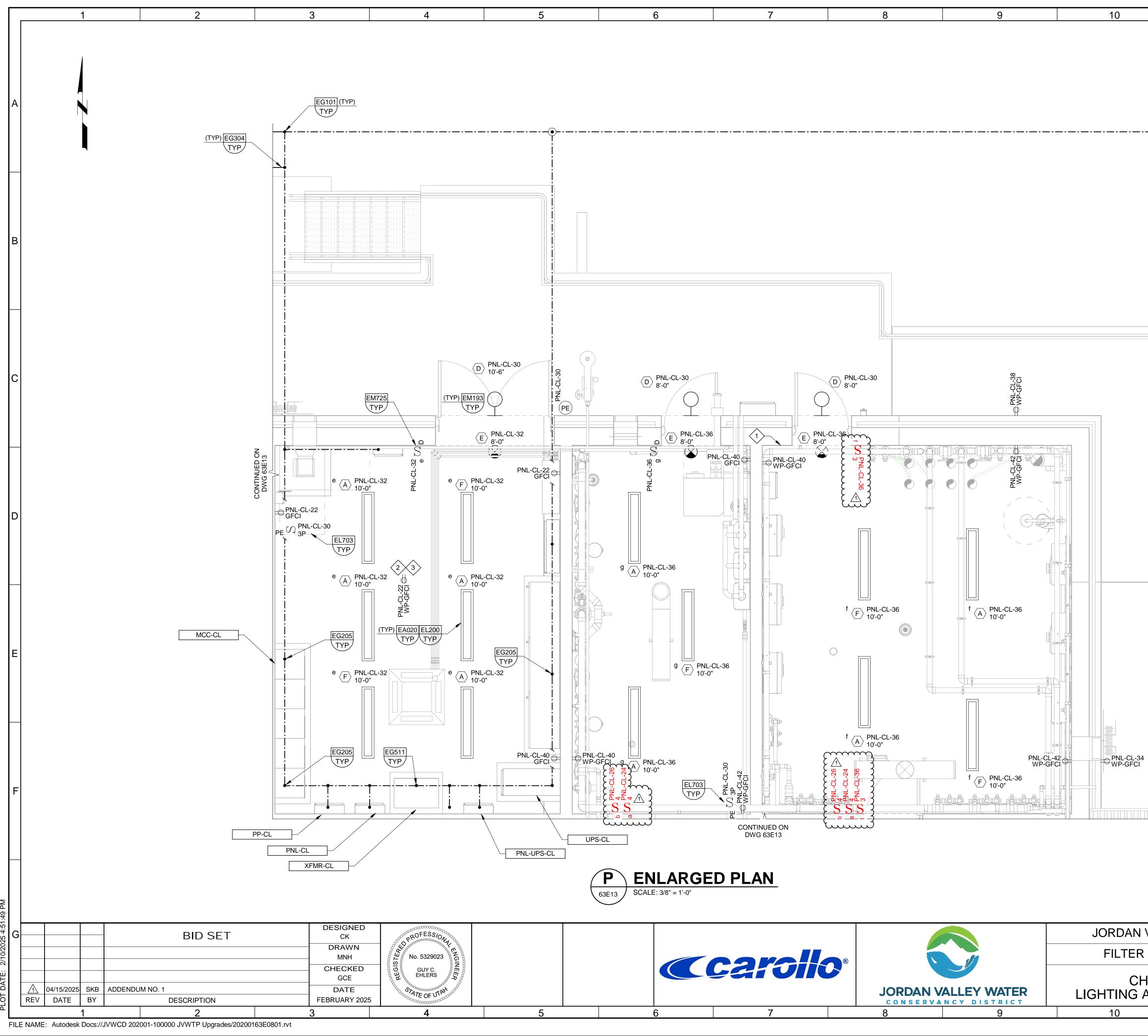
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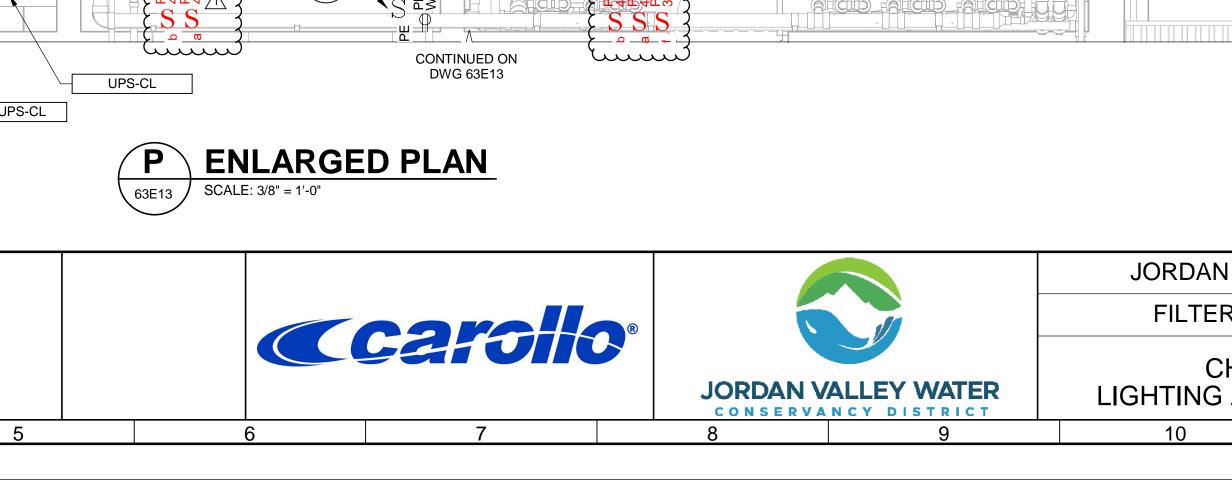
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11	12	13	$\neg$
	GENERAL NOTES:		
	1. PROVIDE 120VAC, 1 POLE IN NA900/TYP FOR ALL 4-WIRE	ISTRUMENT DISCONNECT PER DETAIL INSTRUMENTS.	
	<b>KEY NOTES</b> :		
	<ul> <li>PLUG IN CYLINDER DRIP LEI</li> <li>DEDICATED TO EACH PAIR (</li> </ul>	G HEATER TO DUPLEX RECEPTACLE OF ONLINE CYLINDERS.	Α
	2. LOCATED IN THE PASSIVE C		
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AIT-6317			D
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	Ξ	¥	
DAN VALLEY WATER TREATM		BAR IS ONE INCH ON 202001.10	G
TER AND CHEMICAL FEED U	PGRADES	0 ariginal drawing 0 drawing NO 63E04	
INE BUILDING CHLORINE		IF NOT ONE INCH ON SHEET NO. THIS SHEET, ADJUST	-
POWER AND CONTROL I		SCALES ACCORDINGLY OF	

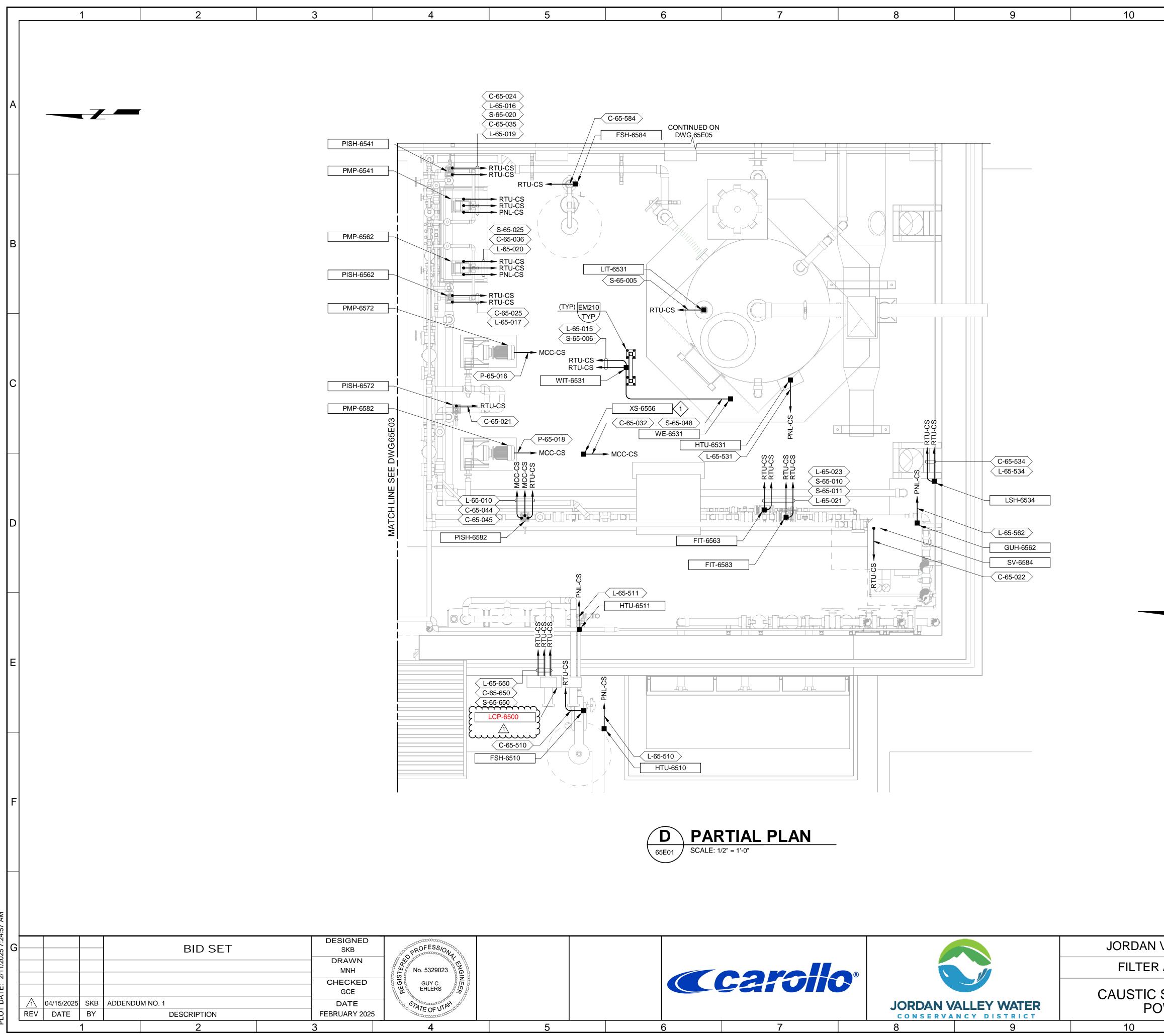
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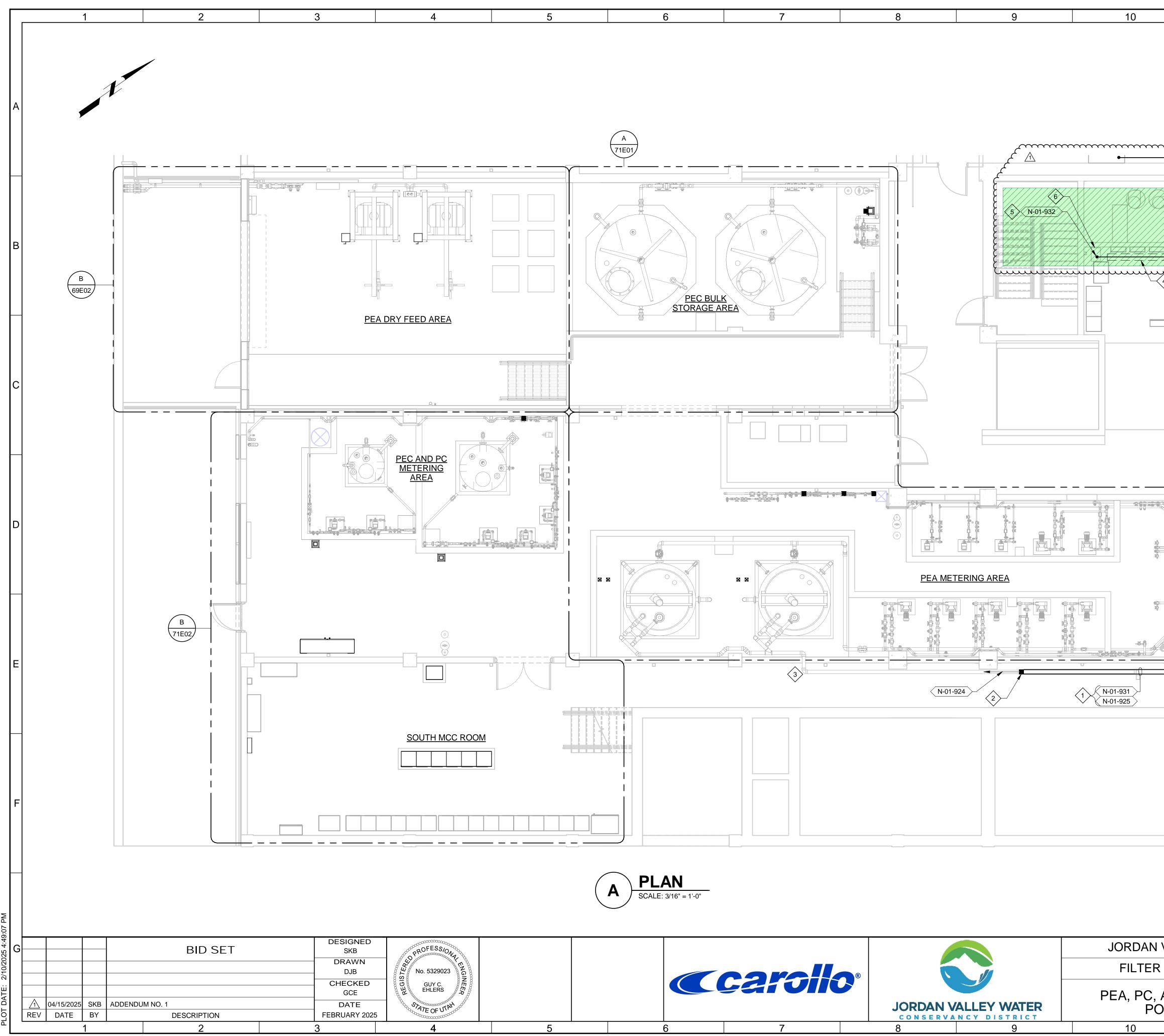
11	12	13		
	<b>KEY NOTES</b> :			
	1. $D \mathcal{O}_{f}^{\text{PNL-CL-36}}$			
(TYP) EG002 TYP		IRELESS ACCESS POINT EQU FOR WIRELESS EQUIPMENT ECEPTACLE.		A
				С
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4				E
				F
VALLEY WATER TREATM	ΛΕΝΙΤ ΡΙ ΔΝΙΤ	VERIFY SCALES	JOB NO.	
R AND CHEMICAL FEED U		BAR IS ONE INCH ON ORIGINAL DRAWING	202001.10 DRAWING NO.	G
ELECTRICAL HLORINE BUILDING LO AND GROUNDING ENL		0 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	SHEET NO.	
11	12	13		



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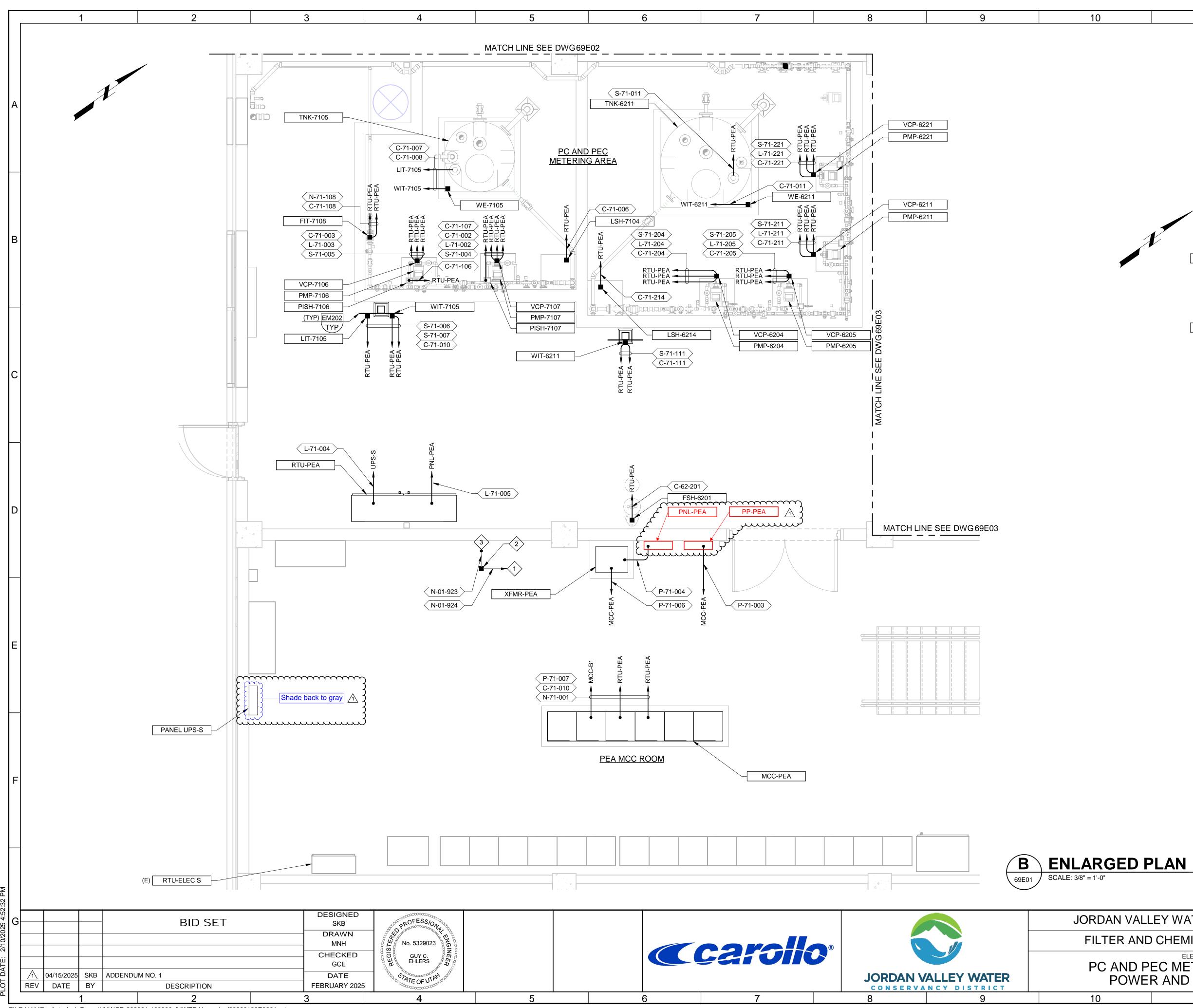
11	12	13	
	GENERAL NOTES: 1. PROVIDE 120VAC, 1 POLE INS DETAIL NA900/TYP FOR ALL 4	STRUMENT DISCONNECT PER TYPICAL 4-WIRE INSTRUMENTS.	
	<b>KEY NOTES</b> :		
	<ul> <li>✓</li> <li>1. SMOKE DETECTORS ARE LC</li> </ul>	OCATED IN HVAC DUCTS NOT SHOWN ON FER TO HVAC DRAWING 65H03 FOR ATION.	А
	SPECIFIC INSTRUMENT LOC	ATION.	
			В
			D
			Е
	0 0		
	·		F
	<u>KEY MAP</u>		
VALLEY WATER TREAT		VERIFY SCALES JOB NO. 202001.10 BAR IS ONE INCH ON ORIGINAL DRAWING DRAWING NO.	G
SODA BUILDING MET		0 1" 65E04	
OWER AND CONTROL	PLAN	THIS SHEET, ADJUST SCALES ACCORDINGLY OF	
11	12	13	



FILE NAME: Autodesk Docs://JVWCD 202001-100000 JVWTP Upgrades/20200169E0801.rvt

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11	12		13		1 I
	GENERAL NOT 1. SEE DRAWING		OCATION OF FACILITY O	N SITE PLAN.	
	(#)     KEY NOTE       1.     TWO NEW CO		INNERDUCT BY CONTR/	ACTOR	
	2. EXISTING 24"				A
	3. WALKWAY WI STRUCTURE.	TH CONDUIT S	USPENDED ABOVE. OP	EN TO	
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	4. EXISTING CAE	BLE TRAY.			
	5. EXISTING 2" C		LL SITE EQUIPMENT ROWITH TWO COPPER CA	DOM ON LEVEL 6,	
	6. VERTICAL CO				
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		m			
	=				
			KEYMAP		
N VALLEY WATER TREATM	IENT PLANT		VERIFY SCALES	JOB NO. 202001.10	G
R AND CHEMICAL FEED U	PGRADES		BAR IS ONE INCH ON ORIGINAL DRAWING	DRAWING NO.	
ELECTRICAL			0 1"	69E01	
, AND PEC UPPER LEVE OWER AND CONTROL	EL OVERAL PLAN	L	IF NOT ONE INCH ON THIS SHEET, ADJUST	SHEET NO.	
			scales accordingly	OF	]
	<u> </u>				<b></b> _



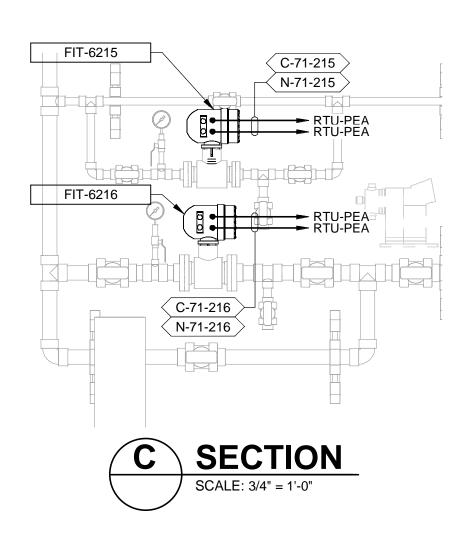
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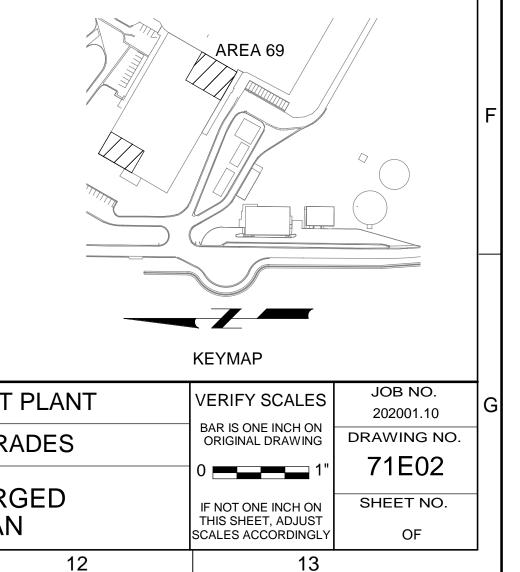
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11	12	13
	•	

*(#)* <u>KEY NOTES</u>:

- 1. EXISTING 3" CONDUIT ABOVE WALKWAY. CONTINUES ON DRAWING 69E01. INSTALL TWO INNERDUCTS.
- 2. EXISTING 24" X 24" X 12" PULLBOX ABOVE LARGER PULLBOX.
- 3. EXISTING 3" CONDUIT DOWN TO LEVEL 1. CONTINUES ON DRAWING 30E10. INSTALL TWO INNERDUCTS.





			KEYMAP				
N VALL	VERIFY SC						
R AND CHEMICAL FEED UPGRADES							
	EC METERING ENI R AND CONTROL F		IF NOT ONE IN THIS SHEET, A SCALES ACCOF				
	11	12					

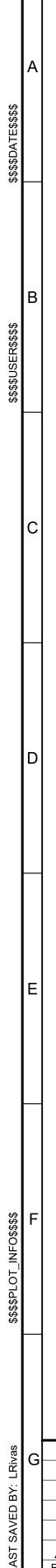
1	2	3	4	5	6	7	8	9	10
					EQUI	PMENT TAGGING	SYSTEM		

5

EQUIPMENT EXAMPLE: FLO-22.1101 (FLOCCULATOR TRAIN 1 NO. 1) REPRESENTS MAJOR PIECE OF EQUIPMENT

## XXX-ABCD

	FOLIIPMEN	NT DESCRIP	TOR
XXX			
AEB	AERATION BASIN	FDR	FEEDER
AER	AERATOR	FLT	FILTER
AHU	AIR HANDLING UNIT	FLA	FLARE
AND	ANAEROBIC DIGESTER	FLO	FLOCCULATOR
ARC	AIR COMPRESSOR	FU	FUSE
ARF	AIR FILTER	GAT	GATE
ARR	ARRESTOR	GRI	GRINDER
AUG	AUGER	GRC	GRIT CHAMBER
AVR	AIR VACUUM RELIEF	HOI	HOIST
BAR	BAR SCREEN	IC	ISOLATION CONTACTOR
BAS	BASIN	INJ	INJECTOR
BAS	BYPASS CONTACTOR	LAG	LAGOON
BFP	BELT FILTER PRESS	MAU	MAKE-UP AIR UNIT
BIT	BIO TOWER	MIX	MIXER
BLO	BLOWER	MMS	MIAER MAGNETIC MOTOR STARTER
BOI	BOILER	MPR	MAGNETIC MOTOR STARTER MOTOR PROTECTION RELAY
BUR			MOTOR PROTECTION RELAT
CAL	BURNER CALIBRATION COLUMN	MTR PLO	PLOW
CAL	CIRCUIT BREAKER	PLO PPR	PLOW PUMP PROTECTION RELAY
CEN	CENTRIFUGE	PRE	
CHI	CHILLER	PUD	PULSATION DAMPENER
CHL	CHLORINATOR	PMP	PUMP
CLR	CLARIFIER	REC	RECEIVER
CLA	CLASSIFIER	RES	RESERVOIR
CLU	CLUTCH	SCB	SCRUBBER
COA	COALESCER	SCR	SCREEN
COL	COLLECTOR	SEL	SEAL
COS	COMPOSITE SAMPLER	SF	SUPPLY FAN
CON	CONVEYOR	SHA	SHAKER
CO0	COOLER	SLA	SLAKER
CPT	CONTROL POWER TRANSFORMER	SLC	SLUDGE COLLECTOR
CR	CONTROL RELAY	STR	STRAINER
DAM	DAMPENER	SV	SOLENOID VALVE
DEC	DECARBONATOR	TNK	TANK
DCD	DC DRIVE	THI	THICKENER
DIF	DIFFUSER	TRA	TRAP
DIS	DISTRIBUTOR	UVR	ULTRA VIOLET REACTOR
DRY	DRYER	VAL	VALVE
DSC	DUST COLLECTOR	VFD	VARIABLE FREQUENCY DRIVE
EDU	EDUCTOR	WEL	WELL
EF	EXHAUST FAN	*CV	* CONTROL VALVE
ENG	ENGINE GENERATOR	*V	* VALVE
EUH	ELECTRIC UNIT HEATER	*CG	* CONTROL GATE
EVP	EVAPORATOR	*G	* GATE
EXC	EXCHANGER		* = A (ANALYTICAL), F (FLOW), L (LEVEL)
FAN	FAN		P (PRESSURE), T (TEMPERATURE)



3					BID SET	DESIGNED CE	جي ا	PROFESS/01/200	
						DRAWN CE	TEAC	No. 5329023	
						CHECKED GCE	REGIS	GUY C.	
	$\Lambda$	04/15/2025	ERB	ADDENDU	JM NO. 1	DATE	×	Storesson Ht 200	
	REV	DATE	BY		DESCRIPTION	FEBRUARY 2025		TIE OF U.	
			1		2	3		4	
	PROJ	ECT NO. 20	2001-10	00000	FILE NAME: 20200100GN07.dwg				

LOOP		PROCESS AREA
1XXX		RAW WATER
	11XX	VALVES
	12XX	FLOW METERING
	13XX	STORAGE
	14XX	PRESEDIMENTATION
	15XX	SCREENING
	16XX	PUMPING
	17XX	OTHER INSTRUMENTS
	18XX	PILOT PLANT
2XXX		PRETREATMENT
	21XX	FLASH MIX
	22XX	FLOCCULATION
	23XX	SEDIMENTATION
	23XX 24XX	ACTIFLO PROCESS
зххх		FILTERS
4XXX		FILTER PERIPHERALS
4777	41XX	BACKWASH WATER
	42XX	
	43XX	SOLIDS RESIDUALS
	44XX	
5XXX		FINISHED WATER
	55XX	CULINARY WATER PUMP STATION
6XXX		CHEMICALS
	61XX	ALUM
	62XX	PRIMARY COAGULANT
	63XX	CHLORINE
	64XX	CARBON
	65XX	CAUSTIC
	66XX	FLUORIDE
	67XX	KMNO4
	68XX	PAC
	69XX	PEA
7XXX		CHEMICALS (CONTINUED)
	71XX	PEC
$\gamma \gamma \gamma \gamma$	~72%	BRIDGING ROLYIMER
	77XX	CHLORINE DIOXIDE
- <b>****</b>	<u> </u>	RESERVED
9XXX		UTILITIES
	91XX	WATER
	92XX	AIR
	93XX	DIESEL FUEL
	9377 94XX	NATURAL GAS
	9477 95XX	HVAC
	3077	
	06777	
	96XX 97XX	ELECTRIC COMMUNICATIONS

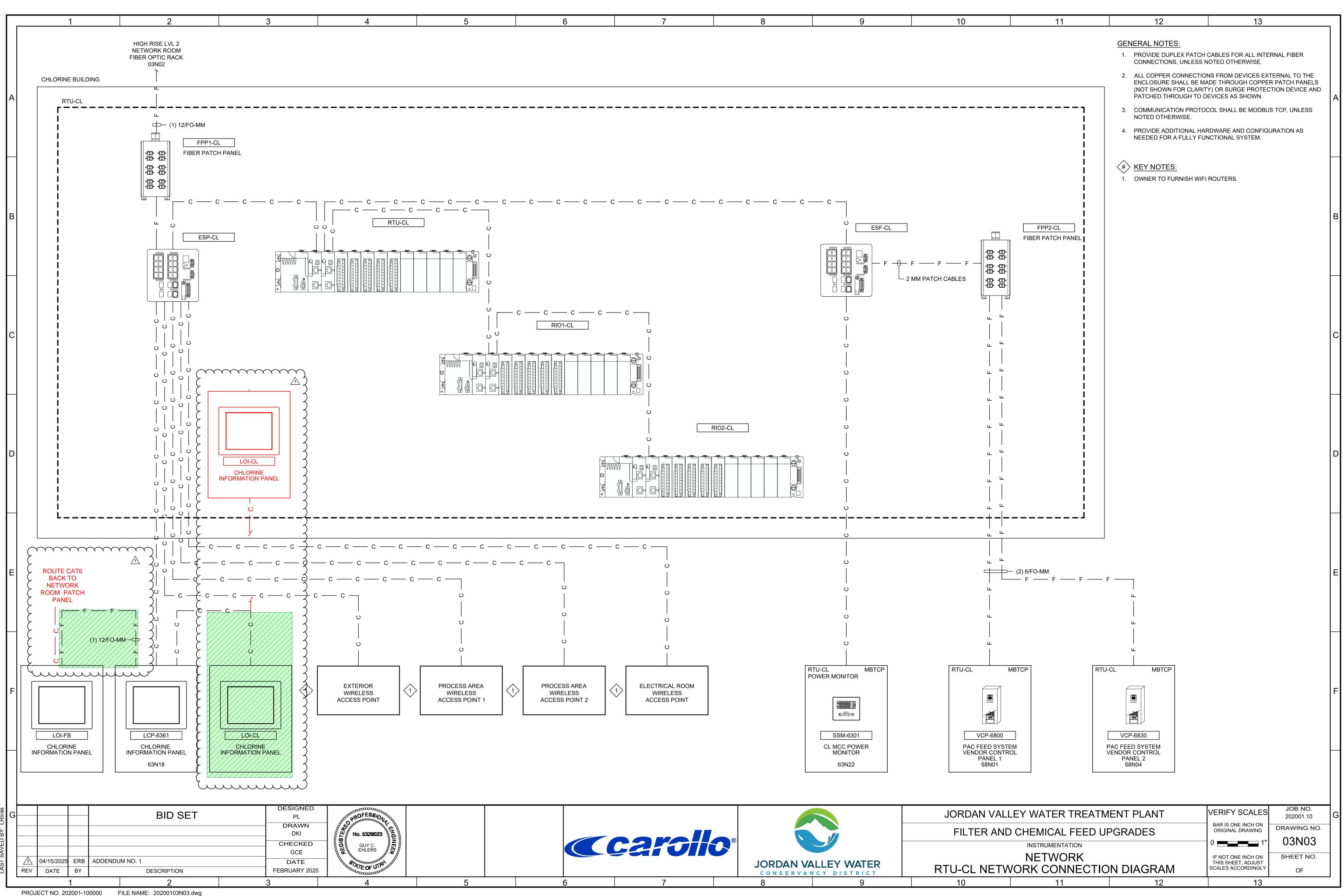


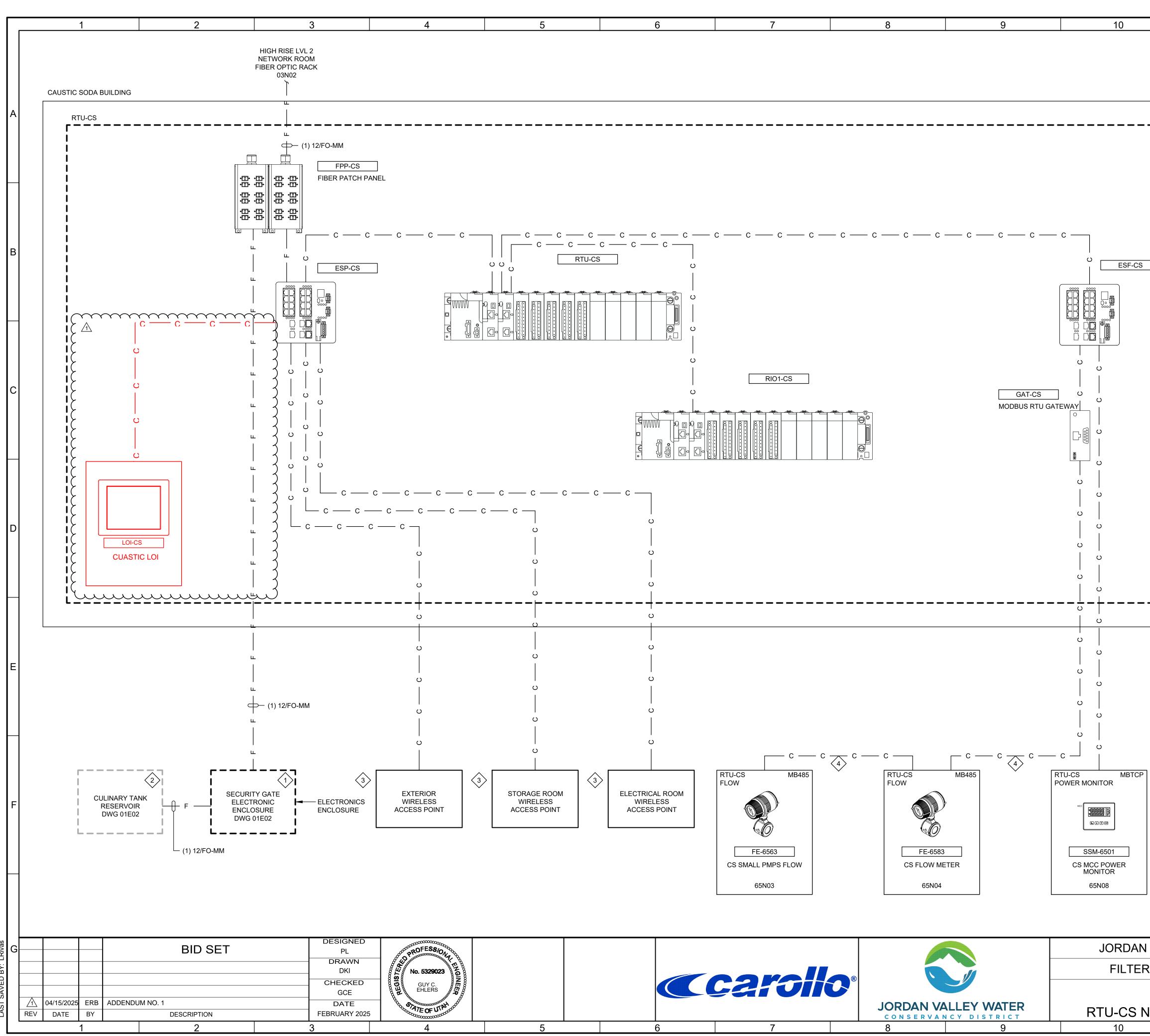
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				L		JOB NO.	,
VALLEY WAT				VERIFY SCA BAR IS ONE INCI		202001.10	G
R AND CHEMIC		PGRADES	5	ORIGINAL DRAV	/ING	drawing no.	
	ERAL					SHEET NO.	
UIPMENT TA		<b>STEM</b>		THIS SHEET, AD. SCALES ACCORD	JUST INGLY	OF	
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PROJECT NO. 202001-100000 FILE NAME: 20200103N04.dwg

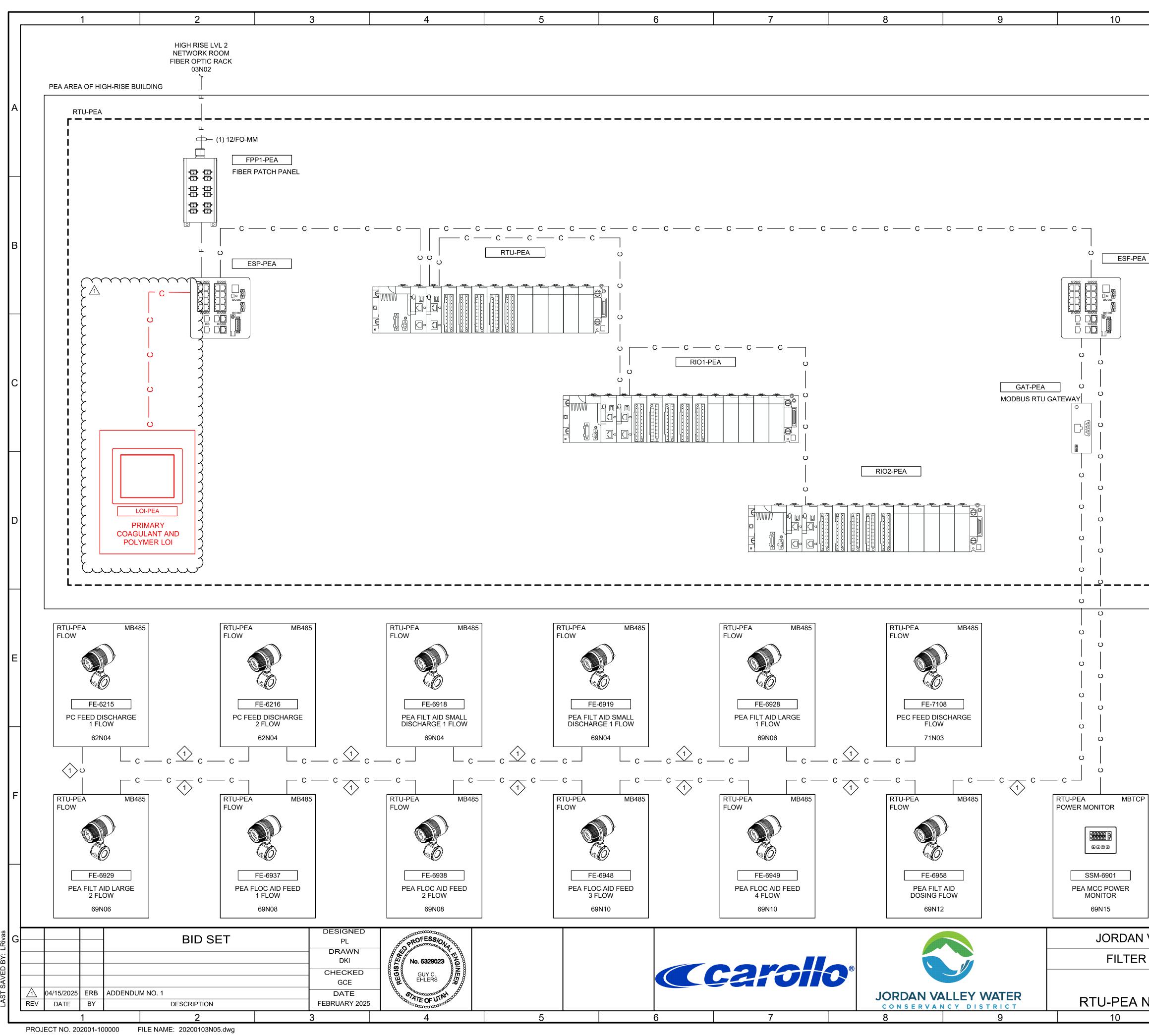
						JORDAN
			R			FILTER
		caroii	C)°			
					LLEY WATER	RTU-CS N
	6	7		8	9	10

11	12	13	
	GENERAL NOTES: 1. PROVIDE DUPLEX PATCH	L CABLES FOR ALL INTERNAL FIBER	
	ENCLOSURE SHALL BE M	ONS FROM DEVICES EXTERNAL TO THE IADE THROUGH COPPER PATCH PANELS TY) OR SURGE PROTECTION DEVICE AND	A
   	3. COMMUNICATION PROTO NOTED OTHERWISE.	DCOL SHALL BE MODBUS TCP, UNLESS	
	4. PROVIDE ADDITIONAL HA NEEDED FOR A FULLY FU	ARDWARE AND CONFIGURATION AS INCTIONAL SYSTEM.	
S	<ul> <li>UNDER SEPARATE CONT NEW ELECTRONICS ENC</li> <li>2. PROVIDE NEW FIBER TO MODIFICATIONS (PB-15) I FIBERS TO THE EXISTING THE FIBER PATCH LOCAT</li> <li>3. OWNER TO FURNISH WIF</li> </ul>	S ARE BEING PROVIDED AND INSTALLED RACT. CONTRACTOR TO PULL FIBER TO LOSURE, CALL BOX AND GATE CONTROL. THE NEW MANHOLE/DUCT BANK NDICATED ON 01E02. FUSION SPLICE CULINARY FIBER AND ROUTE BACK TO FED WITHIN THE RTU-CS. TI ROUTERS. AND TERMINATE TO THE RTU.	в
			С
			D
			E
P			F
N VALLEY WATER TREATM		VERIFY SCALES JOB NO. 202001.10 BAR IS ONE INCH ON ORIGINAL DRAWING DRAWING NO.	G
		0 1" 03N04 IF NOT ONE INCH ON SHEET NO.	
NETWORK CONNECTIC	N DIAGRAM	THIS SHEET, ADJUST SCALES ACCORDINGLY OF	

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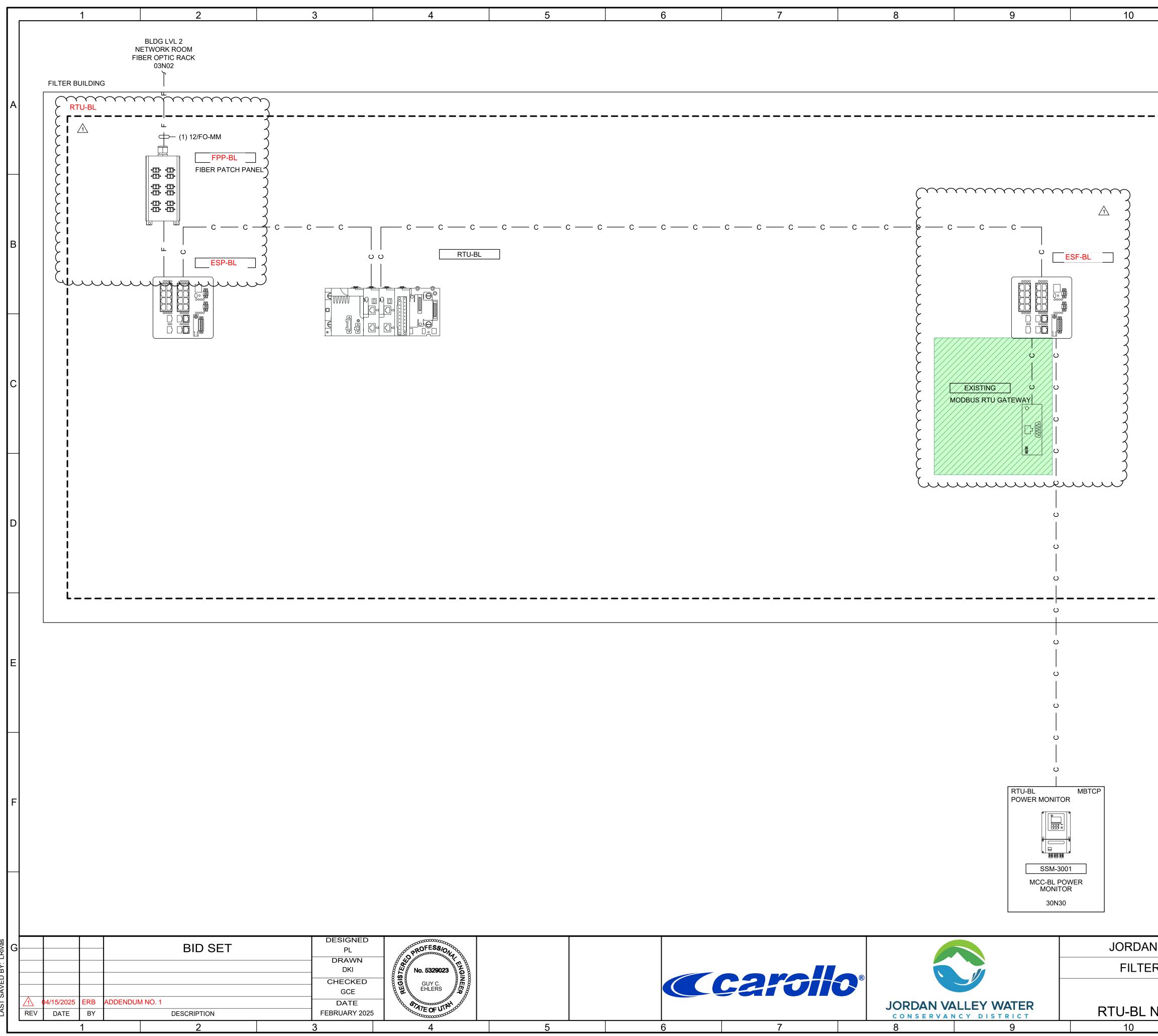
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	· — — — — — — — — — — — — — — — — — — —	<ol> <li>CONNECTIONS, UNLESS N 2. ALL COPPER CONNECTION ENCLOSURE SHALL BE MA (NOT SHOWN FOR CLARITY PATCHED THROUGH TO DE</li> <li>COMMUNICATION PROTOC NOTED OTHERWISE.</li> </ol>	IS FROM DEVICES EXTERNAL TO THE DE THROUGH COPPER PATCH PANELS () OR SURGE PROTECTION DEVICE AND EVICES AS SHOWN. FOL SHALL BE MODBUS TCP, UNLESS DWARE AND CONFIGURATION AS	А
Α		KEY NOTES:           1.         MODBUS RS485 - ROUTE	AND TERMINATE TO THE RTU.	В
				С
				D

				1
N VALLEY WATER TREATM	VERIFY SCALES	JOB NO. 202001.10	G	
R AND CHEMICAL FEED U	BAR IS ONE INCH ON ORIGINAL DRAWING	DRAWING NO.		
INSTRUMENTATION		0 1"	03N05	
NETWORK		IF NOT ONE INCH ON THIS SHEET, ADJUST	SHEET NO.	
NETWORK CONNECTION	SCALES ACCORDINGLY	OF		
11	12	13		-

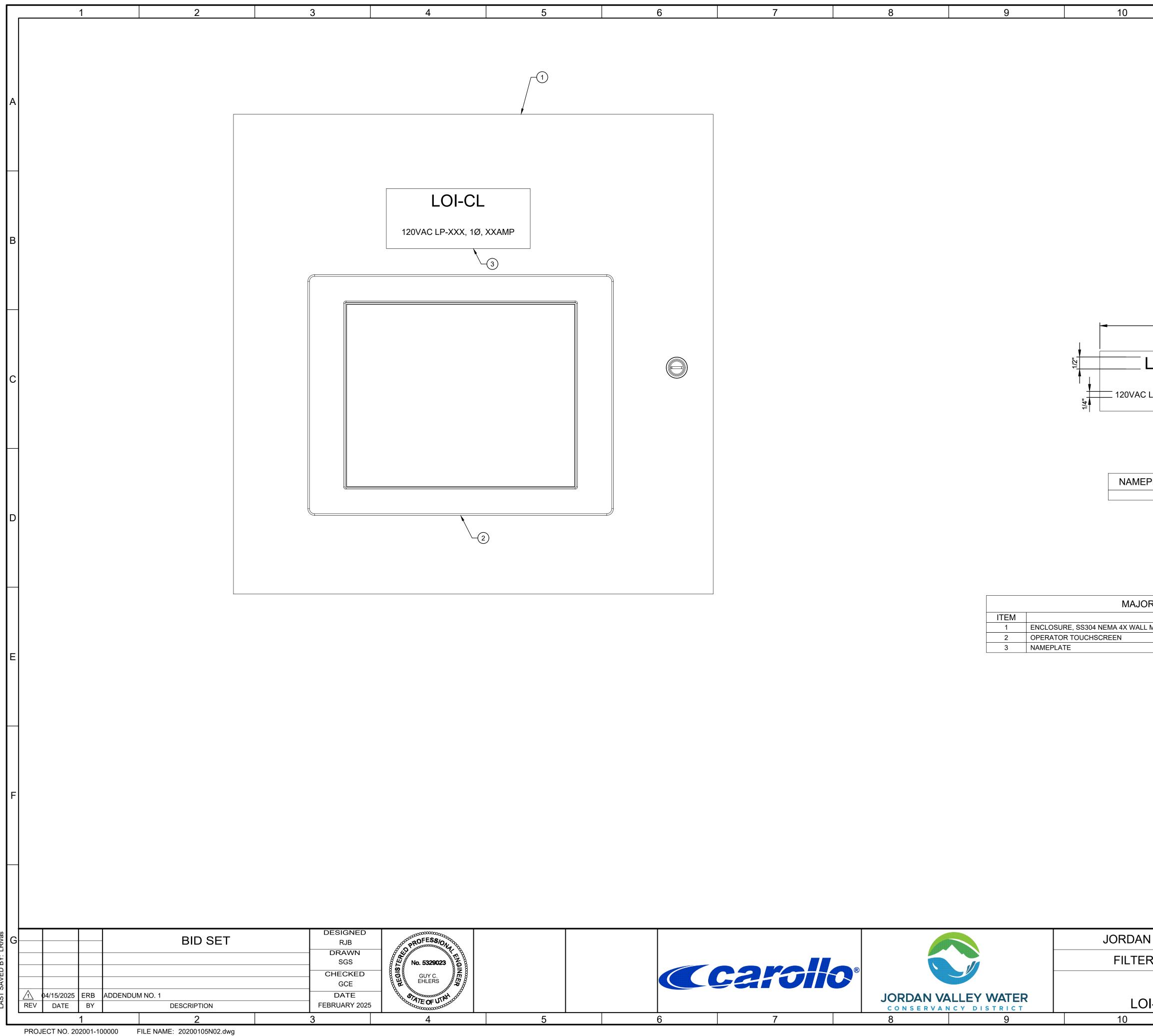


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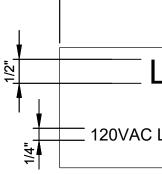
					JORDAN \
		R			FILTER /
	carsii	<b>D</b> °			
				LLEY WATER	RTU-BL NE
6	7		8	9	10

	10	10	
11	12	13	
	GENERAL NOTES:	PATCH CABLES FOR ALL INTER	
	CONNECTIONS, U 2. ALL COPPER CON ENCLOSURE SHA	NESS NOTED OTHERWISE.	ERNAL TO THE PATCH PANELS
·	PATCHED THROU	GH TO DEVICES AS SHOWN.	A
	NOTED OTHERWI	SE.	
· · · · · · · · · · · · · · · · · · ·	NEEDED FOR A FU	NAL HARDWARE AND CONFIGUI JLLY FUNCTIONAL SYSTEM.	
	5. FBW IS LOCATED EQUIPMENT IS EX	IN INSIDE THE FILTER 1 CONSOL (ISTING.	_E, ALL
			В
			C
			D
			E
			F
VALLEY WATER TREATM	ENT PLANT	VERIFY SCALES	JOB NO. 202001.10 G
	<b>AB</b> · <b>B</b> - <b>B</b>	BAR IS ONE INCH ON	DRAWING NO

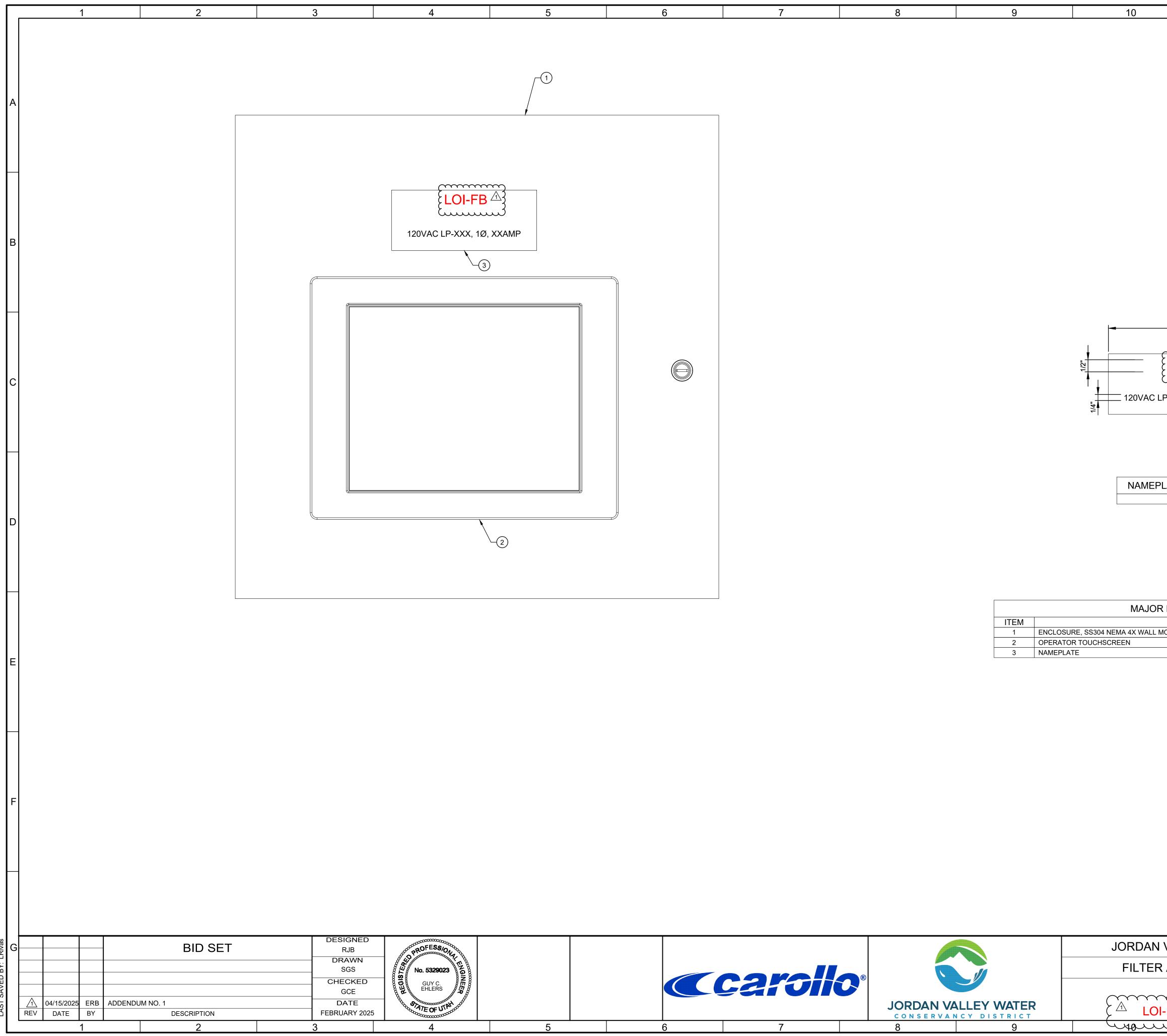
	11	13		-	
NETW	ORK CONNECTIO	SCALES ACCORDINGLY	OF		
	NETWORK		IF NOT ONE INCH ON THIS SHEET, ADJUST	SHEET NO.	1
	INSTRUMENTATION		0 1"	03N06	
r and	CHEMICAL FEED UP	ORIGINAL DRAWING	DRAWING NO.		
N VALL	EY WATER TREATM	ENT PLANT	VERIFY SCALES BAR IS ONE INCH ON	JOB NO. 202001.10	G



		0	40	44	40	40	
	6 7	8 9	10	11	12 GENERAL NOTES:	13	
				—		ER LOCAL OPERATOR INTERF	ACE
				2	2. FOLLOW ALL UL 508 AND 5 DETERMINE SHORT CIRCU	508A SUPPLEMENT SB REQUI JIT RATINGS.	REMENTS TO
					REFER TO ELECTRICAL PI ENCLOSURES.	LANS FOR LOCATION OF ALL	
				$\begin{cases} \frac{1}{4} \end{cases}$	NOT USED		
					. CONTRACTOR TO FURNIS	SH AND INSTALL PANEL WITH I AUST FANS AS INDICATED ON	
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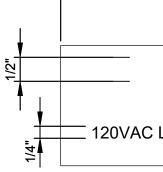


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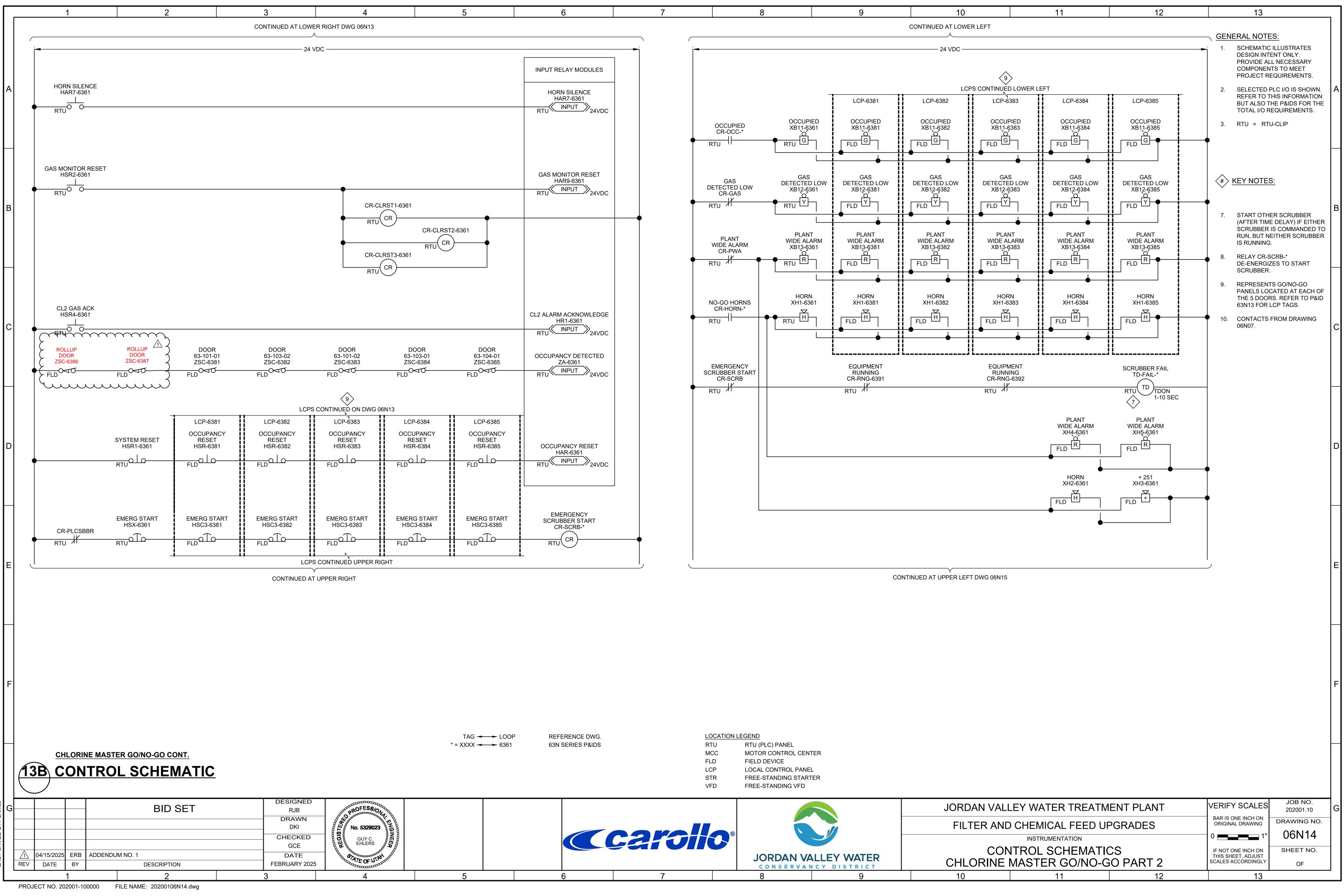
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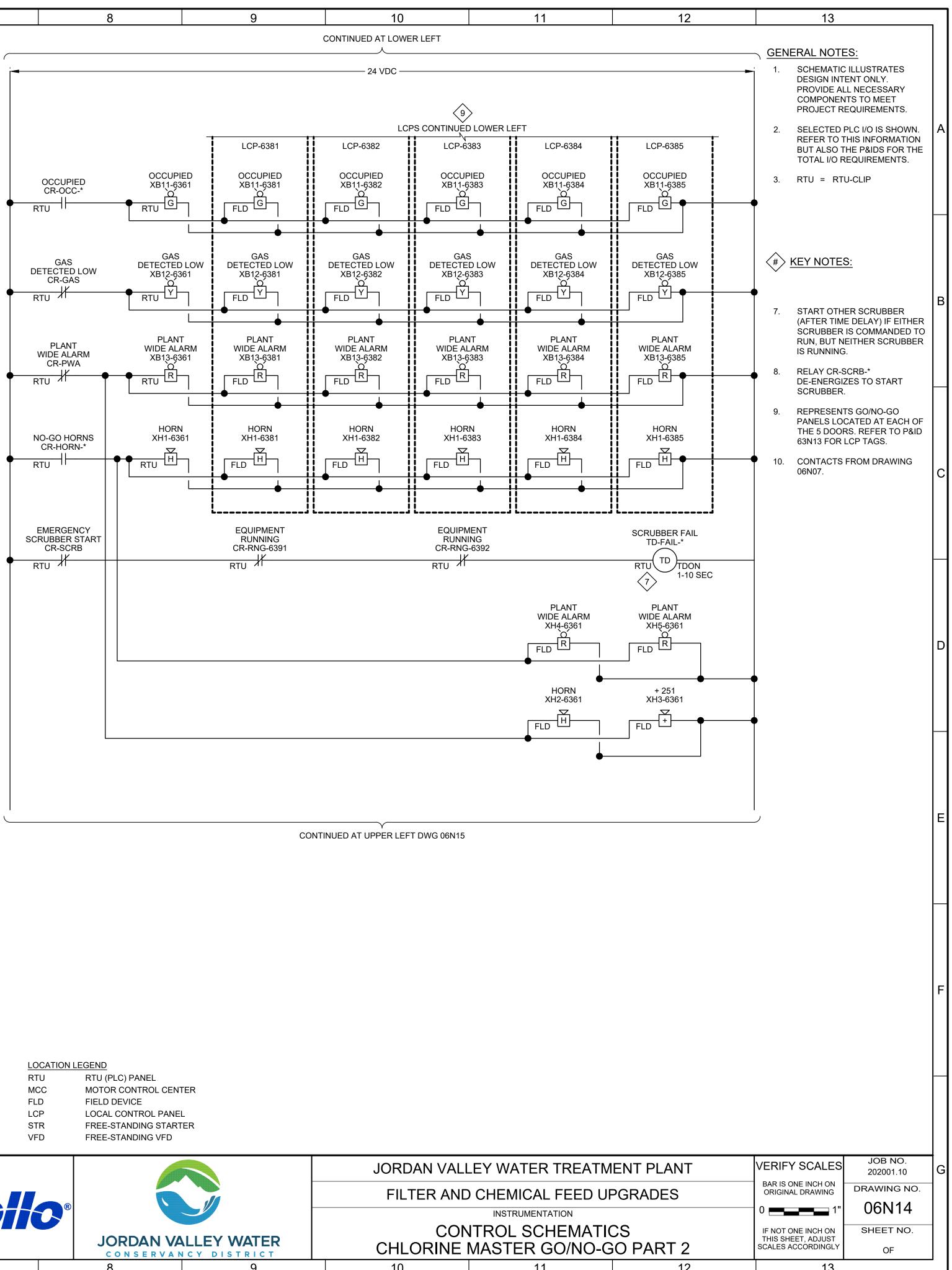


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9	10	11	<ul> <li>GENERAL NOTES:</li> <li>1. PROVIDE 24VDC TO POWER</li> <li>2. FOLLOW ALL UL 508 AND 502 DETERMINE SHORT CIRCUIT</li> <li>3. REFER TO ELECTRICAL PLA ENCLOSURES.</li> <li>4. LOI- FBU SHALL HAVE FIBEF MEDIA CONVERTER OR SWI</li> <li>5. CONTRACTOR TO FURNISH AND ALL VENTS AND EXHAL DRAWINGS.</li> <li>6. THE OWNER WILL PROVIDE THE CONTRACTOR TO INST 7. CONTRACTOR TO PROVIDE THE OWNER WILL ENGINEE COMPONENTS LOCATED ON</li> </ul>	LOCAL OPERATOR INTERFACE. BA SUPPLEMENT SB REQUIREMENTS TO ratings. NS FOR LOCATION OF ALL R PATCH PANEL AND FIBER TO COPPER TCH. AND INSTALL PANEL WITH NAMEPLATE. JST FANS AS INDICATED ON THE THE HMI TO THE CONTRACTOR FOR ALL ON THE DOOR. THE OWNER WITH THE BACKPANEL. R, DOCUMENT AND BUILD ALL THE BACKPANEL.	А
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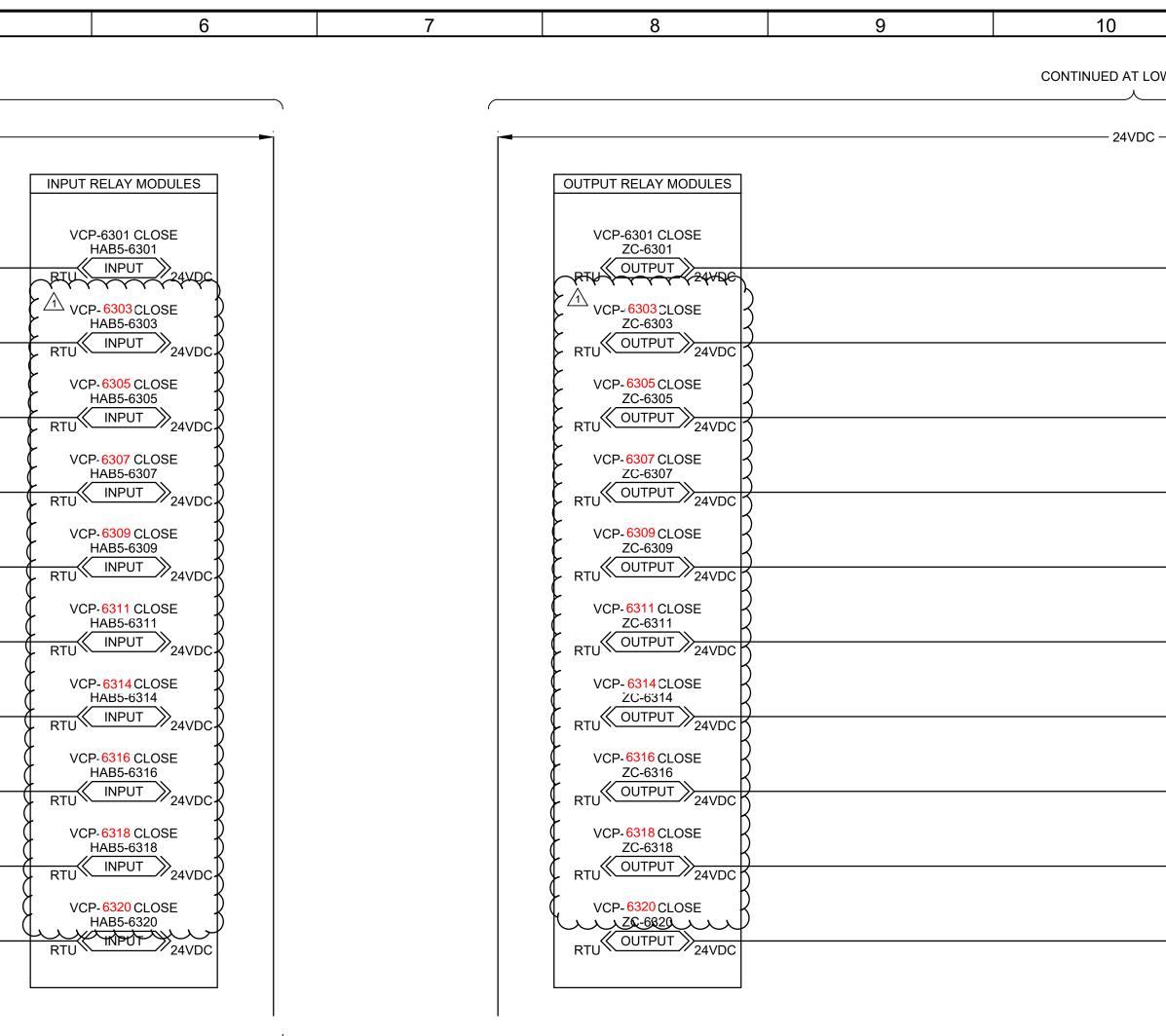


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TION M TEMP	STORAGE TEMP < 84F STORAGE TEMP > 85F		-	OPEN OPEN	ON ON	OFF ON	ON ON	ON ON	CLOSED OPEN	CLOSED OPEN	CLOSED OPEN	OFF OFF	OFF OFF	OFF OFF	OFF OFF	OFF OFF			
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HSR2-6361)	-	-		-	-	-	-	-	-	-	-	-	-	OFF	OFF	OFF			
HSX-6361)	-	ON	OR ON	CLOSE	OFF	OFF	OFF	OFF	OPEN	OPEN	OPEN	OFF	OFF	ON	ON	ON			1

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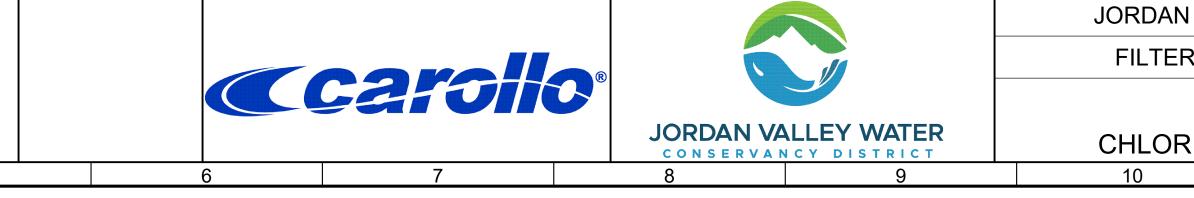
LOCATION LEGEND RTU (PLC) PANEL RTU MCC MOTOR CONTROL CENTER FLD

LCP

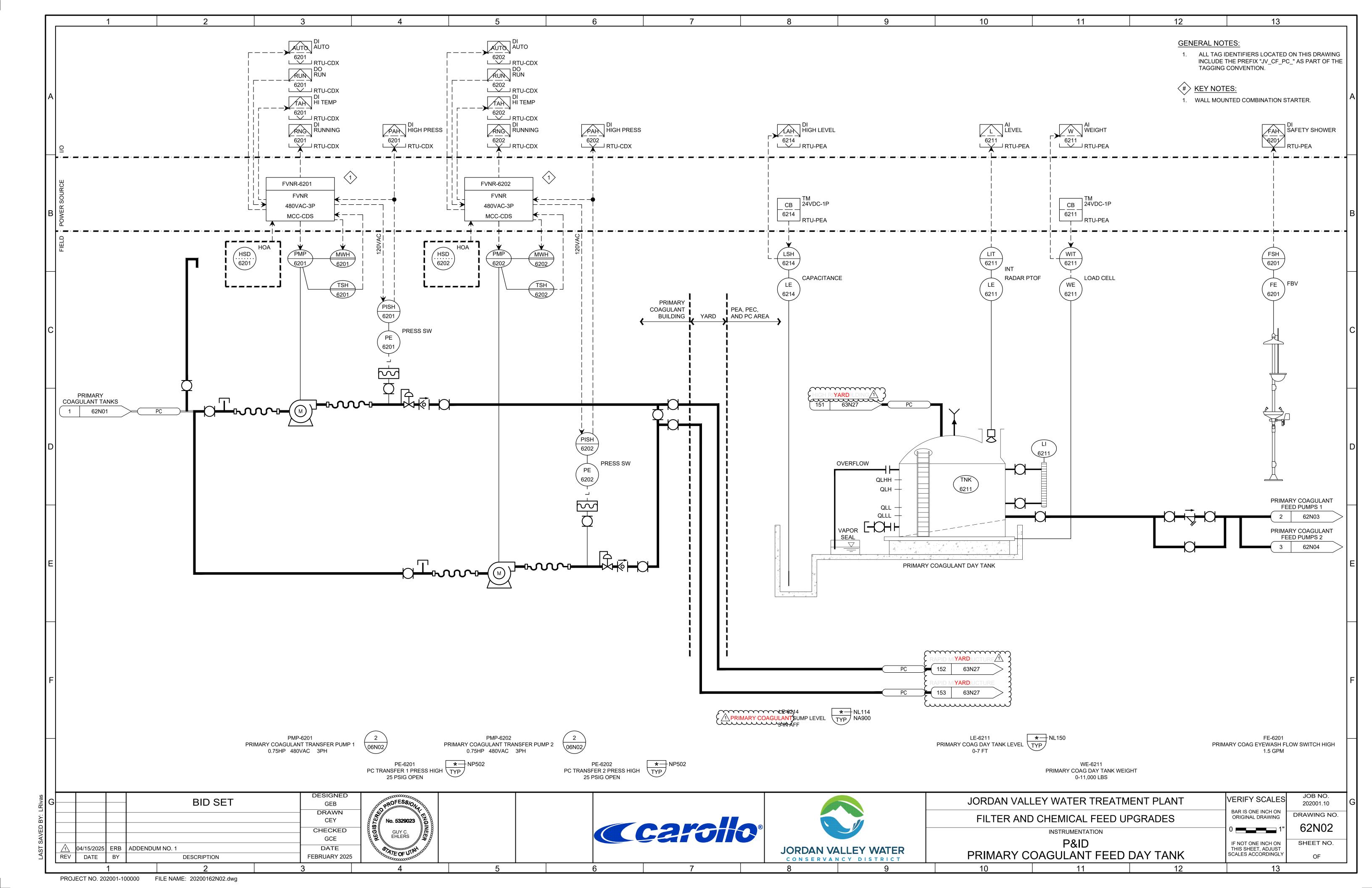
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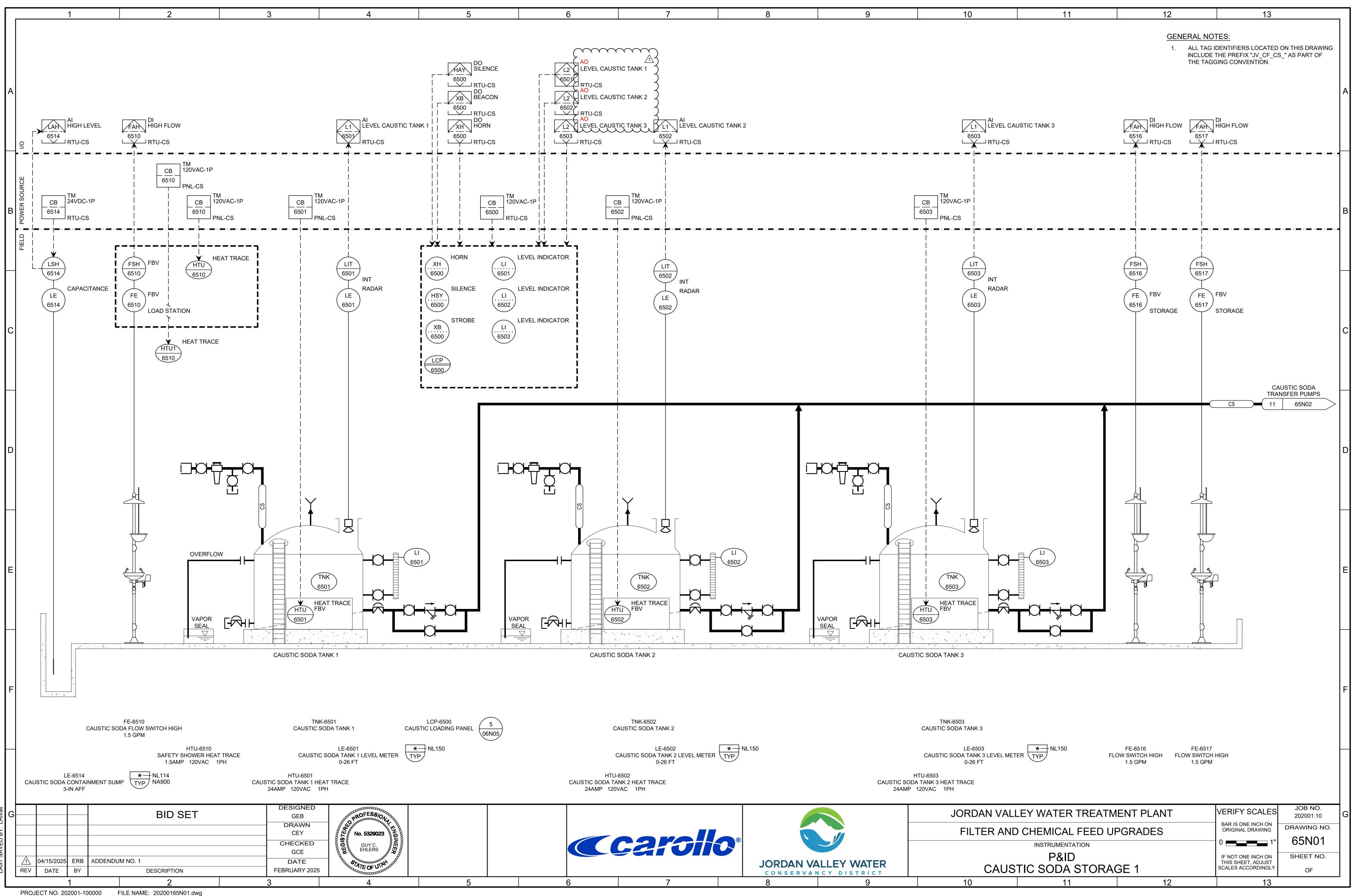
VFD

FIELD DEVICE LOCAL CONTROL PANEL FREE-STANDING STARTER FREE-STANDING VFD

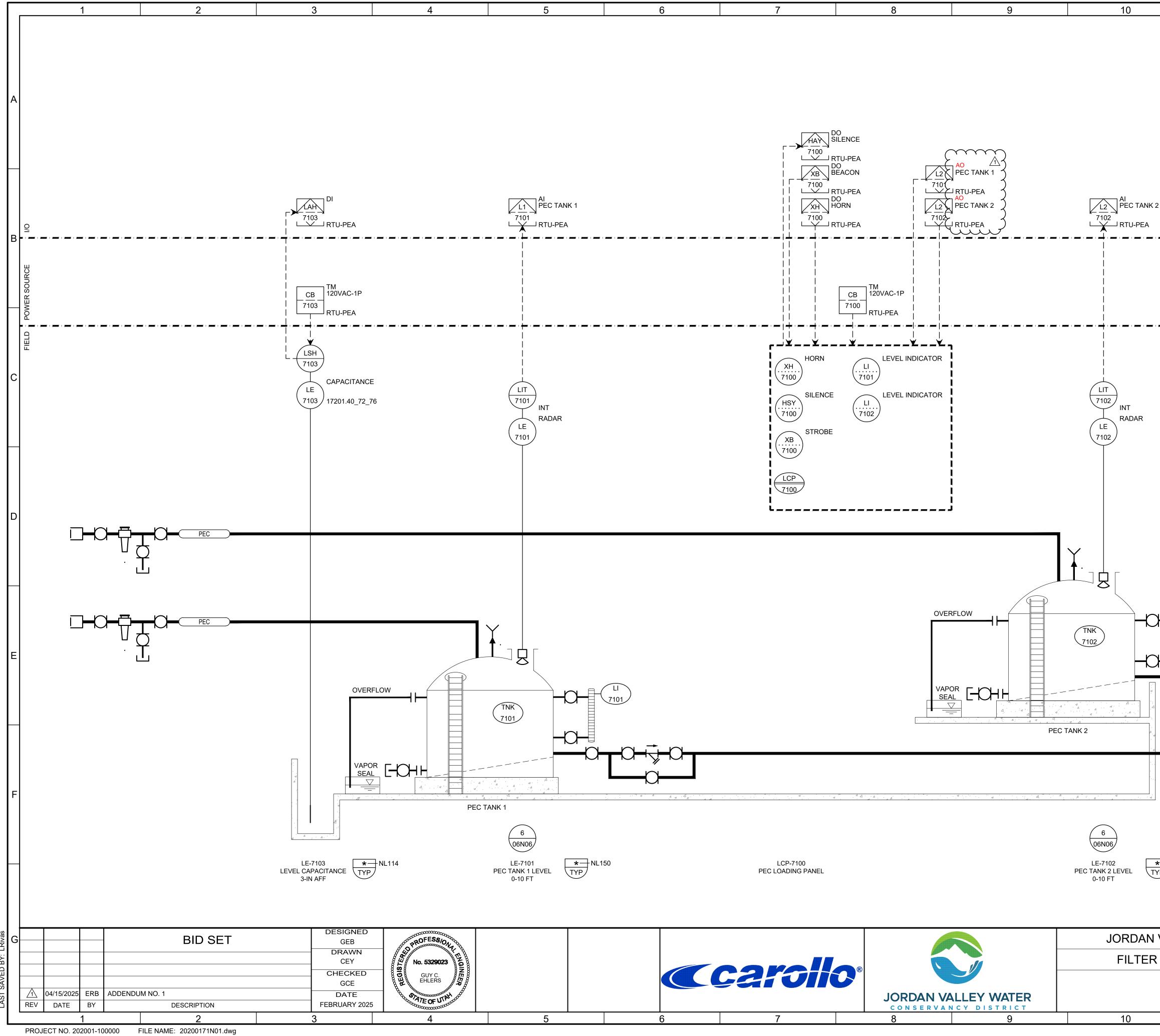


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JORDAN VALLEY WATER TREATMENT PLANT FILTER AND CHEMICAL UPGRADES JORDAN VALLEY WATER CONSERVANCY DISTRICT WEST JORDAN, UTAH

Bidder RFI Responses April 16, 2025

No.	Question	Response
	I had a question for you regarding specification section 13206A, FRP Storage Tanks for Jordan Valley. I represent Diamond Fiberglass and we're hoping to bid on this project. Would you see any issue with them bidding? They were specified/named by Carollo for the TSSD Package B project. Also, Diamond let me know that Ershigs and Belco (the two named manufacturers) are now part of the same company (NOV) and Ershigs isn't making tanks anymore, so effectively, the only named bidder would be Belco. Would you consider naming Diamond by addendum? Or is it better to just go through the bid as an "or equal"? I'm not sure what your preference is	1.05.C and 2.02.A, can be submitted as an 'or equal'.
2		Please refer to specification section 01537-Erosion and Sediment Control, 3.01E, which states: If a Project spoil site is not indicated on the Drawings, dispose of sediment off site at location not in or adjacent to stream or floodplain. 2. Assume responsibility for off-site disposal. Please also reference specification section 02300 - Earthwork 2.01, which states: Obtain acceptable import material from other sources if surplus obtained within Project site does not conform to specified requirements or are not sufficient in quantity.
3	Contractor. Is there a list of required permits/ permitting agencies and or a list of expected costs for the permits?	General Conditions section 6.06 describes requirements for SWPPP compliance but does not contain an exhaustive list of all permits that may be required. It is the contractor's responsibility to determine all permitting requirements. A building permit with the City of Herriman will also be required. Any planned dewatering activities will also require a permit with the State of Utah DEQ. Please refer to section 01410 for a list of authorities having jurisdiction and contact these authorities directly for all costs and requirements.
4	construction?	Please refer to specification section 01500 - Temporary Facilities and Controls: Under the subsection "1.04 TEMPORARY UTILITIES", it states: A. Temporary electrical power: 1. Arrange with the Owner to provide adequate temporary electrical service. Owner will supply the electricity from its facilities for the Contractors use in connection with the performance of the Work at no charge to Contractor. B. Temporary water: 1. Arrange with the Owner to provide adequate temporary water service for the Work. Owner will supply the water from its facilities for the Contractor's use in connection with the performance of the Work at no charge to Contractor.
5	assist with demolition?	Use of any available overhead trollies and cranes is allowed; However, the district cannot guarantee the condition of this equipment, or the suitability of this equipment to meet the contractor's needs. If an overhead trolly or crane is damaged by the contractor during the work, the contractor will be responsible to make the necessary repairs.
6	demolished items. If some items are to be conveyed to the owner please provide a list and a location where the Owner will receive them.	Section 01738 - Selective Alterations and Demolition: Under part 3, subsection 7 states: "Assume possession of materials unless otherwise indicated on the Drawings or specified." Demolition drawings describe the valves and instrumentation that should be salvaged to owner (for example see 69D01 Key Note 1). No location is provided for this, as each piece of equipment salvaged to the owner should be handed directly to district operations or maintenance personnel.
7	6. When needed, will the Chlorine Cylinders be removed by the Owners personnel or shall the contractor be responsible to move them. If the Contractor will move them is training required, where is training available? Where shall the cylinders be delivered?	Please refer to specification section 01140 - Work Restrictions, L.5, where it states that "Owner will be responsible for delivery, handling, or moving of chlorine gas cylinders. Contractor shall coordinate timeframes with Owner."
8	How will contractors personnel and deliveries be given access to the site through the gate / security system?	A paragraph has been added to 01140 - Work Contraints and 01500 - Temporary facilities and Controls defining additional requirements for Contractor access to the site.
10	The O&M manual for the existing gate is referenced as being attached to the supplemental general conditions, but was not found at this location	Referenced location for the O&M manual has been updated to reference its location. Please see Appendix C.
11	Several months ago we established that a booster pump isn't required for the PAC system and the specification generally doesn't acknowledge it. However, there are two sections that list it: 13270 – 2.05.K.2. and 2.05.N.9. Can you confirm if this is intentional? If not, can you confirm it needs to be deleted?	These references have been removed from Specification 13270 in this addendum.
	The Bid Allowance for the Dust Hazard Analysis lists item 5 has an electrically actuated knife gate. Chemco can supply this as electric or pneumatic. An electric valve will cost more due to the expense of the Class II, Div. 1 Group F hazard rating on the actuator. The primary concern and operation that Carollo/Jordan Valley need to be aware of is an electric valve will close much slower than a pneumatic valve. The electric valve will have a motor that will rotate a helical screw to move the knife gate open/close. This action can take up to 10 seconds or longer. A pneumatic knife gate uses compressed air to actuate a rod-cylinder-assembly and the actuation occurs in less than second. Considering this valve is for DHA safety, it makes more sense to Chemco that this should be pneumatic. Especially because we will have compressed air routed throughout the silo. Please confirm Carollo/Jordan Valley preference. At this time, I plan to submit pricing for both in the event a decision is not made.	
14	Is it possible to ask the engineer if we can get the conduit schedules in an Excel format. Specs 4 of 6 Section 16990A, B, C, D, E, F, G, H, J, and K.	Yes, a contractor version can be made available.
16	Please clarify if 'MCC-B1' on sheet 03E14 is the same as 'MCC-B' on sheet 30E19.	Yes, MCC-B and MCC-B1 are the same. MCC-B1 is the correct designation. Utility metering/transformer are existing. No new work for this project.
17	Transformer be newly provided by the EC? Please clarify the work connected with this Transformer shown in dark print.	
18		XFMR-APF on sheet 03E02 will be new. The Contractor is responsible for the work. How it is broken up between the general and sub is up to the Contractor.
20		A pad will be sufficient. Where NEMA Type 12 is listed in a specification it may be used in Electrical Rooms, for example formed steel
21		enclosures in specification section 16134. Panel UPS-S is existing.
22		PNL-PEA and PP-PEA will be shown on 71E02 by addendum.
23	they are not shown. UPS-CL' appears on sheets 03E20 & 03E22. Please clarify that 'UPS-CL' on sheet 03E22 should be named 'UPS- CS'. Please clarify if the rating for this UPS should be 12.5 KVA.	UPS-CL' on sheet 03E22 should be named 'UPS-CS', and is rated 12.5 KVA.
24	Please clarify who is responsible for providing and installing Process Piping and Equipment Heat Tracing.	The bidding Contractor has the ultimate responsibility to deliver the scope of work described in the contract documents. How the job is broken out by trade/sub is means & methods determined by the Contractor.
25	Will there be any Gutter Melt required for roofs, gutters and downspouts of the new buildings? Please clarify.	No, Gutter Melt is not required for new buildings.
26	Please clarify what will be required for cable management and fire tape in Medium Voltage Vaults and Pull Boxes.	The cable can lie on the floor of the medium voltage pull box. Fire tape is not required.
27	Who will be responsible for cutting and demolishing existing Concrete and Asphalt for Duct Banks and Underground conduits on the Site?	The bidding Contractor has the ultimate responsibility to deliver the scope of work described in the contract documents. How the job is broken out by trade/sub is means & methods determined by the Contractor.

28	Please Clarify if any Fire Alarm systems will be required. If so, please provide Manufacturer information and locations of existing Fire Alarm systems for integration purposes.	Fire alarm systems will not be required.
29	Please provide an Instrument list for the Process Instruments.	Each instrument (not provided by a vendor or indicated as FBV on the P&IDs) has a data sheet with the detailed information located at the end of each instrument spec.
30	HVAC Control wiring is not shown for the T-stats on the drawings or in the conduit/cable schedule, however some control wiring is shown in the P&ID's. Please clarify who is responsible for providing and installing HVAC control systems.	Mechanical contractor is responsible for control wiring between HVAC equipment and control device. Refer to specification section 15500-2.02.A.2 and section 15936-3.02. Electrical contractor is responsible for control wiring from HVAC equipment and/or devices that is connected to RTU (PLC). Refer to specification section 16990 for conduit schedules.
31	Please provide a set of Typical Details for this project.	Typical details are provided at the beginning of each disciplines drawing set, in Volume 6 of the bid set.
32	Please confirm that all Medium Voltage cables will be Concentric Neutral type per spec section 16124-4 2.05-B-7.	Yes, section 16124 applies to all medium voltage cables.
33	Please clarify the Scope of work required by the EC for Access control and CCTV security systems.	Please refer to General Note 2 on the Security Plan drawings.
34	The room finish schedule indicates that the exposed structural members and deck be "Coated" My question is it the intent of the engineer to use system 3.07 E and G in Specification 09910 or system EPU-M-1 or EPX-M-1.	Attachment A in Specification 09960 has been adjusted to clarify which surfaces will require coating with EPX-M- 2.
35	The finish schedule on drawing 00GA01 indicates that the floor finish for the floors in the Chlorine Storage Room, Chlorinator Room, Cuastic Soda Metering Area and Caustic Soda Bulk Area to be clear sealer. Painting specification in Attachment B, Coating Detail Sheet for System VE-C-1 is a Vinyl Ester coating for secondary containment. My question is: Should any of the above rooms have the scheduled floor sealer be changed to the Vinyl Ester system considering the chemicals used in those rooms?	The Caustic Soda Bulk Area and Caustic Soda Metering Area should be coated in vinyl ester per Attachment B. See revised drawings
36	The finish schedule for the rooms in question one indicates that the wall finishes is "Coating" The only coating in the painting specifications is Section 09910 System 3.07 A which is a "Latex, semi-gloss". On similar projects we have applied high performance water borne epoxies or solvent based epoxy. My question is: Is the latex semi-gloss the correct wall coating for those rooms or should a chemical resistant epoxy for added for extra wall protection for those rooms?	The latex, semi-gloss painting is the correct wall coating for all the buildings, except where noted in 62A01 Key Note 2 in the Chlorine Building
37		The outside wall of the interior rooms of the chlorine building (chlorinator room, mechanical room, and electrical room) should be coated (sealed) with an epoxy based paint per Key Note 2 and Specification 09960. This is to provide a barrier between the chlorine gas storage area and the interior rooms. All other walls should be painted with the latex, semi-gloss paint per Specification 09910. Drawing 63A01 has been revised in this addendum to provide additional clarity
38		Instrumentation/control electrical demolition in the filter area is minimal. Existing conduit and conductors will remain in use.
39	For security system work in Filters area (30E19), is there an existing system? If so, does the existing system need to be removed? If so, please provide details.	The existing security system in the filter area will remain. Work shown on Sheet 30E19 will add security for 3 doors.
40	What are the dimensions for the Contractor provided security panel enclosures? Drawing 63E16, General Note 2, drawing 65E10, General Note 3, & drawing 69E04, General Note 2 state that the Contractor is to "provide security panel enclosure as indicated on other drawings." What other drawings is this referring to? Some drawings, such as above, only state the Contractor is to provide. Some drawings state that it is provided by the Owner (30E19). Drawing 03N04, Key Note 1 alludes to the Security Gate Electronic Enclosure being provided by the Contractor and Drawing 01E02, Key Note 10 does provide dimensions for this enclosure. Are these the dimensions to be used for all security panel enclosures? Please provide some clarity.	