

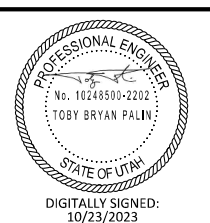
- NOTES:**
1. TIME SWITCH: TORK 8001 SERIES, WITH TIMER SET FOR TWO 15 MINUTE PERIODS IN 24 HOURS.
 2. HAND SWITCH LOCATED AT VAULT HATCH.
 3. LOCATE DEVICES IN FAN CONTROL PANEL / PULL BOX. ENCLOSURE SIZED BY CONTRACTOR AS REQUIRED FOR COMPONENTS.
 4. CONTACT CLOSURE IN RTU ENCLOSURE, CONTROLLED BY PLC.
 5. TERMINAL IN FAN CONTROL PANEL ENCLOSURE.
 6. TERMINAL IN RTU ENCLOSURE.

1 EXHAUST FAN CONTROL PANEL W/ HAND / OFF / AUTO CONTROL
NTS

PANEL: PS-LP-00001 LOCATION: PAYSON SOUTH TURNOUT VAULT
 SERVICE VOLTAGE: 120/240V PHASE: 1 WIRE: 3
 TOTAL LOAD KVA: 11.0 BUS SIZE: 225 MAIN SIZE: 200A TYPE: MCB
 REMARKS: NEMA 3R, BOTTOM FEED NEUTRAL: MOUNTING: SURFACE

LOAD IN VA		CIRCUIT DESCRIPTION	BKR A/P	CKT NO.	CKT NO.	BKR A/P	CIRCUIT DESCRIPTION	LOAD IN VA	
A	B							A	B
1627.0		EXHAUST FAN CONTROL PANEL	20A/1P	1	2	20A/1P	LIGHTING	210.0	
	1200.0	SUMP PUMP CONTROL PANEL	20A/1P	3	4	20A/1P	PW-FCV-00004		1600.0
720.0		RECEPTACLES	20A/1P	5	6	20A/1P	RTU PANEL UPS	600.0	
	0.0	SPARE	20A/2P	7	8	20A/1P	SPARE		0.0
0.0		SPARE	20A/1P	9	10	20A/1P	SPARE	0.0	
	0.0	SPARE	20A/1P	11	12	20A/1P	SPARE		0.0
2500.0		PS-UH-1	30A/2P	13	14	20A/1P	SPARE	0.0	
	2500.0	SPARE	20A/1P	15	16	20A/1P	SPARE		0.0
0.0		SPARE	20A/1P	17	18	20A/1P	SPARE	0.0	
	0.0	SPARE	20A/1P	19	20	20A/1P	SPARE		0.0
0.0		SPARE	20A/1P	21	22	20A/1P	SPARE	0.0	
	0.0	SPARE	20A/1P	23	24	20A/1P	SPARE		0.0
0.0		SPARE	20A/1P	25	26	20A/1P	SPARE	0.0	
	0.0	SPD	30A/2P	27	28	20A/1P	SPARE		0.0
0.0				29	30	20A/1P	SPARE	0.0	
4847.0	3700.0	TOTAL						810.0	1600.0
								5657.0	5300.0

2 PANELBOARD SCHEDULE
NTS



DSGN	M PAWLOWSKI								
DR	R PHILLIPS								
CHK	T PALIN								
APVD	T PALIN								
		NO.	DATE	REVISION	RP	TP	BY	APVD	
		1	10/23	ADDENDUM 1					

VERIFY SCALE
 BAR IS ONE INCH ON ORIGINAL DRAWING.
 0 1"
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

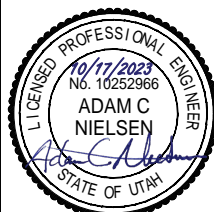
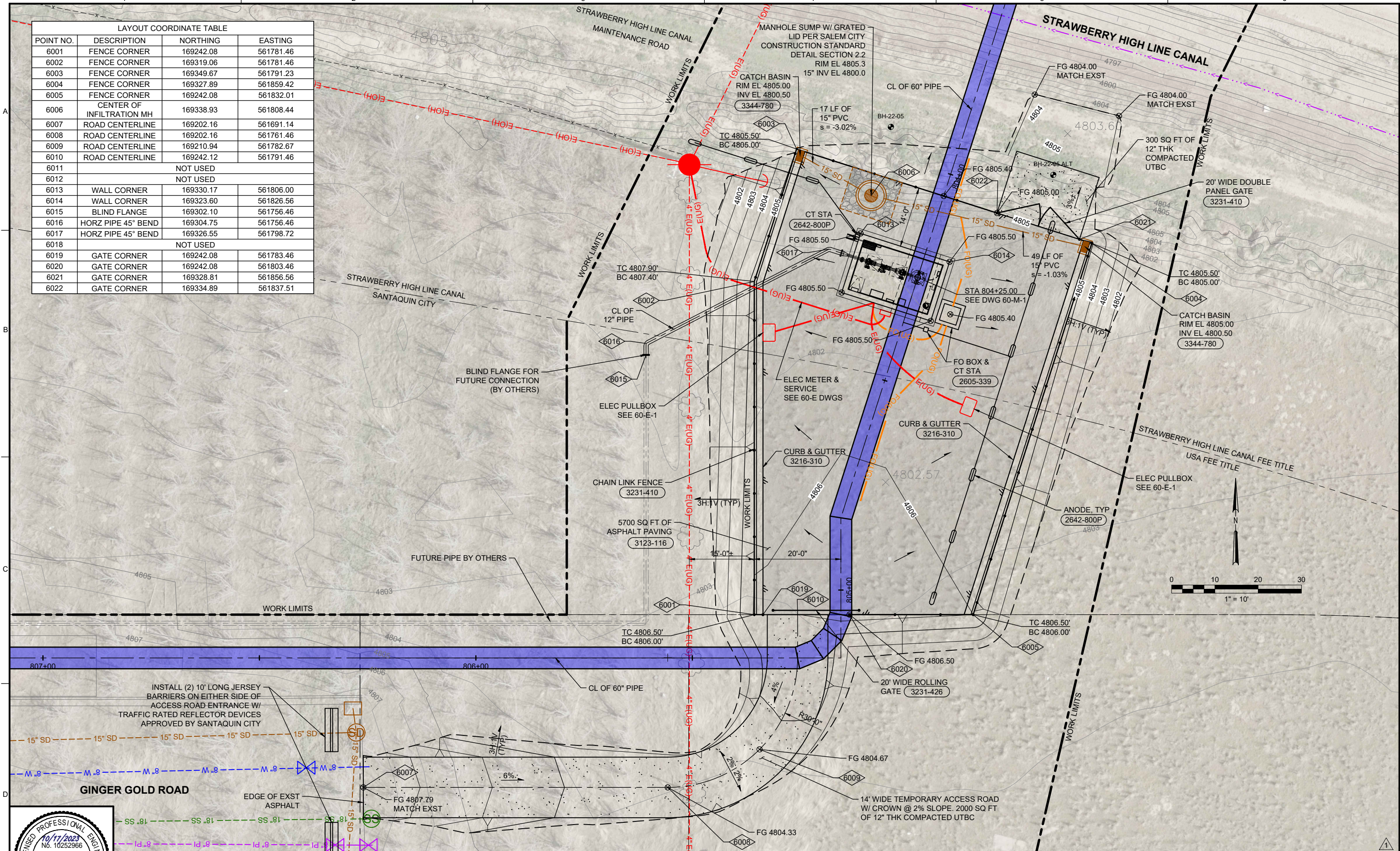


SPANISH FORK SANTAQUIN PIPELINE
SANTAQUIN REACH

PAYSON SOUTH TURNOUT VAULT
ELECTRICAL DETAILS

SHEET	XX OF XX
DWG	50-E-3
DATE	OCTOBER 2023
CONTRACT	C-2023-01

LAYOUT COORDINATE TABLE			
POINT NO.	DESCRIPTION	NORTHING	EASTING
6001	FENCE CORNER	169242.08	561781.46
6002	FENCE CORNER	169319.06	561781.46
6003	FENCE CORNER	169349.67	561791.23
6004	FENCE CORNER	169327.89	561859.42
6005	FENCE CORNER	169242.08	561832.01
6006	CENTER OF INFILTRATION MH	169338.93	561808.44
6007	ROAD CENTERLINE	169202.16	561691.14
6008	ROAD CENTERLINE	169202.16	561761.46
6009	ROAD CENTERLINE	169210.94	561782.67
6010	ROAD CENTERLINE	169242.12	561791.46
6011	NOT USED		
6012	NOT USED		
6013	WALL CORNER	169330.17	561806.00
6014	WALL CORNER	169323.60	561826.56
6015	BLIND FLANGE	169302.10	561756.46
6016	HORZ PIPE 45° BEND	169304.75	561756.46
6017	HORZ PIPE 45° BEND	169326.55	561798.72
6018	NOT USED		
6019	GATE CORNER	169242.08	561783.46
6020	GATE CORNER	169242.08	561803.46
6021	GATE CORNER	169328.81	561856.56
6022	GATE CORNER	169334.89	561837.51



DSGN	D STANKA LLOYD	NO.	1	DATE	10/23	ADD1 - REISSUED DRAWING - MODIFIED SITE ELEVATIONS	RP	AS
DR	R PHILLIPS	NO.		DATE			BY	APVD
CHK	A MURDOCK	NO.		DATE				
APVD	A NIELSEN	NO.		DATE				

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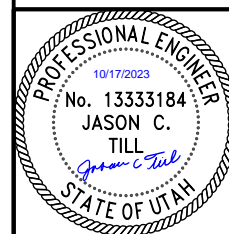
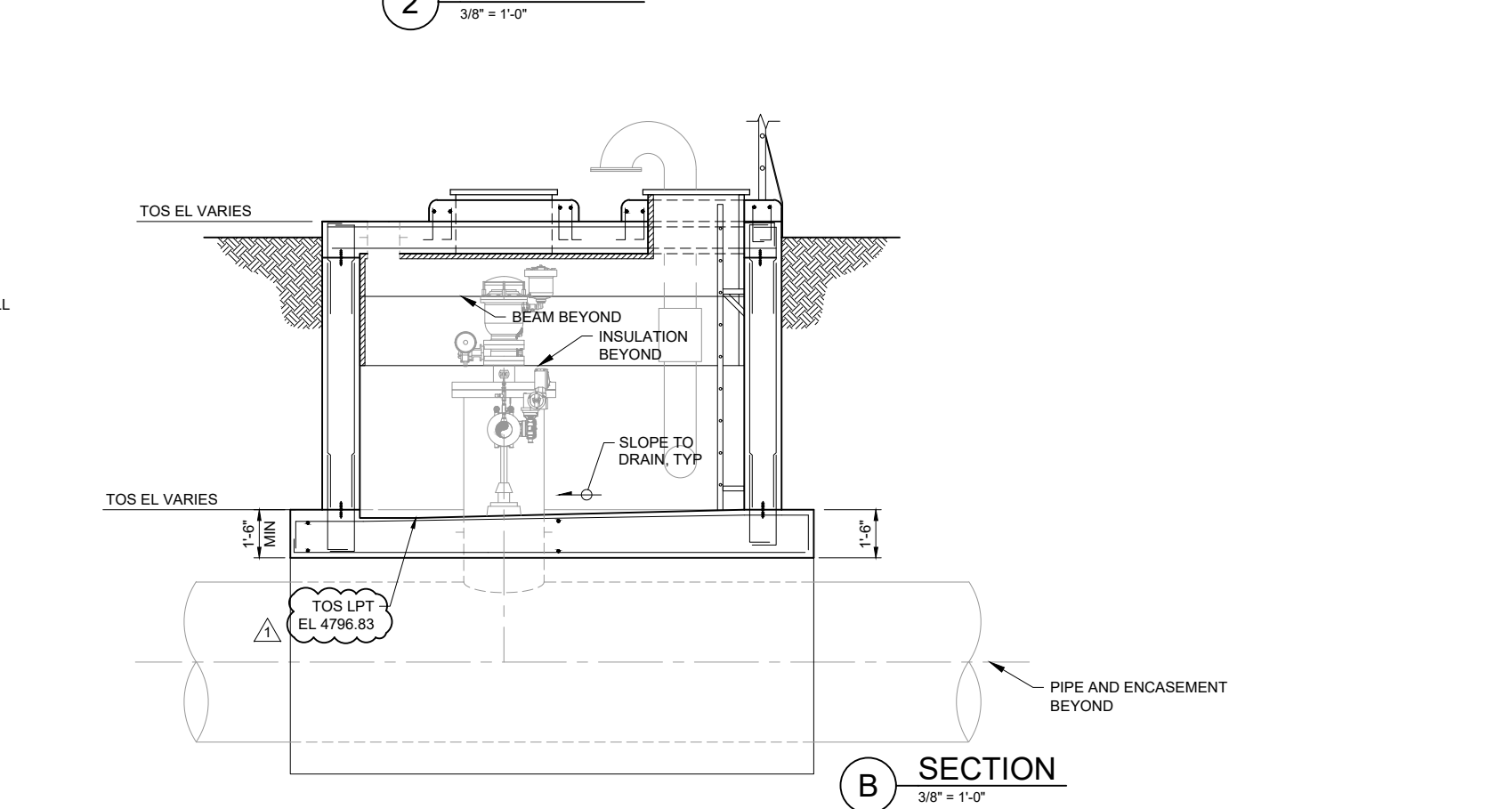
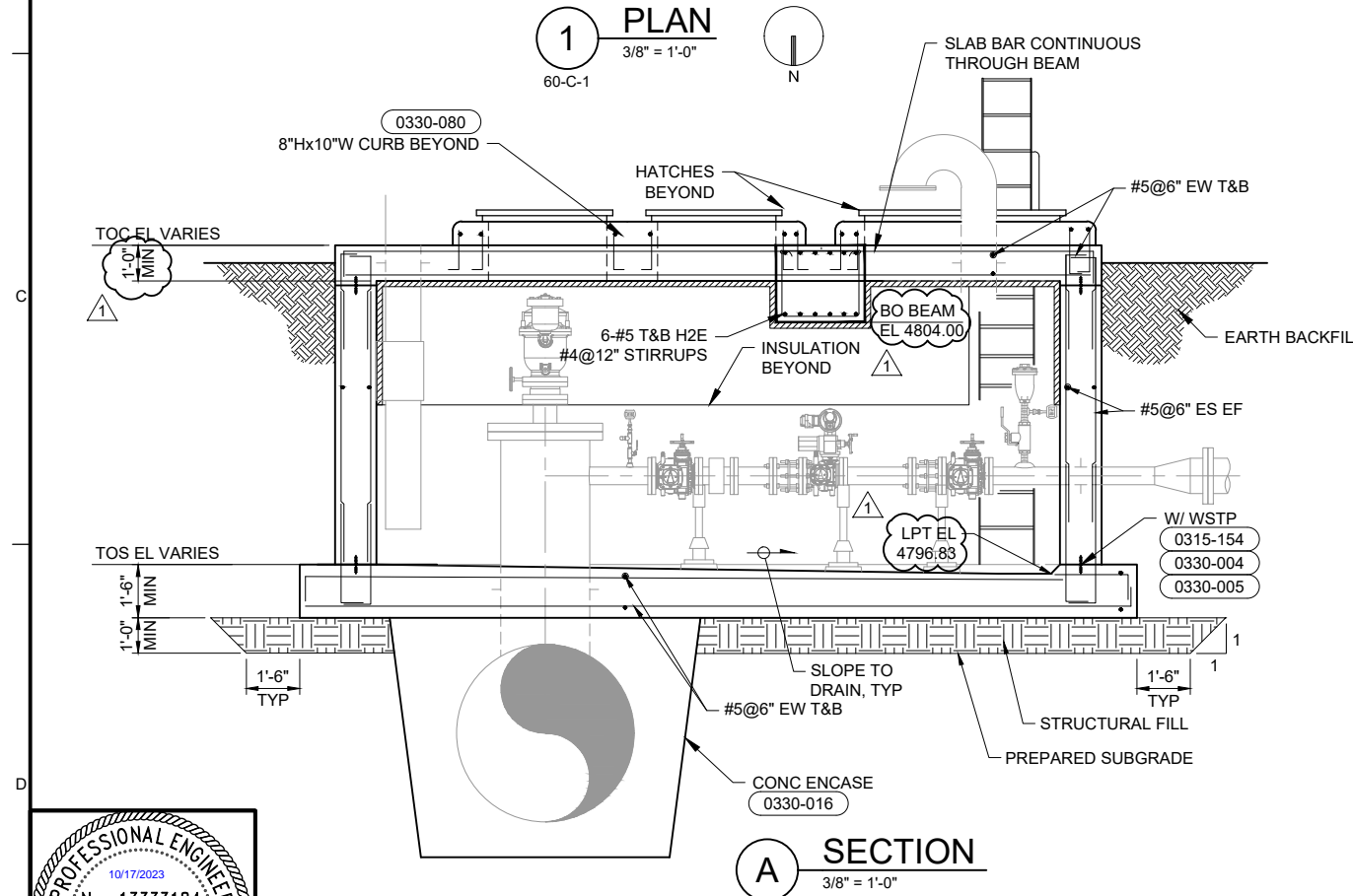
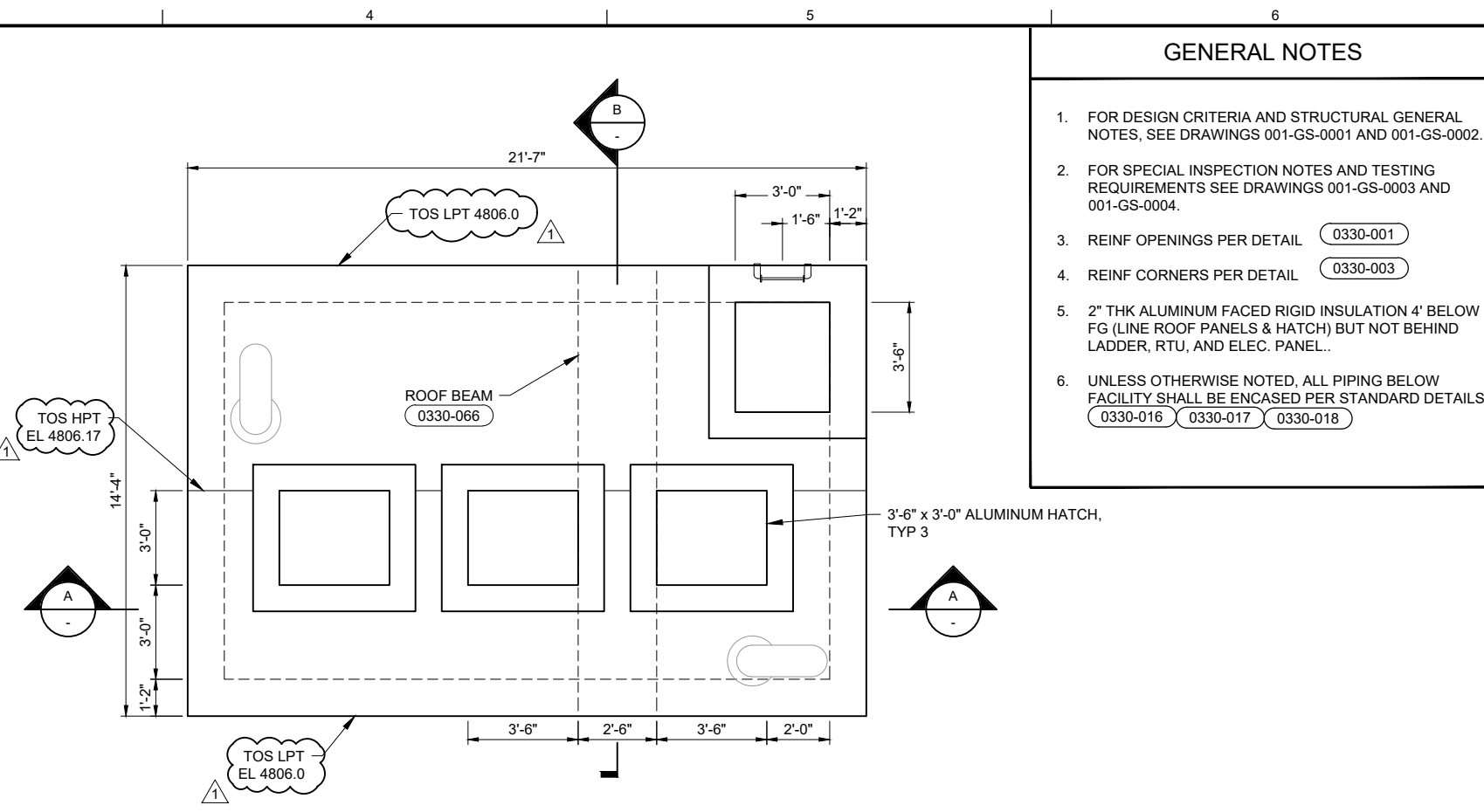
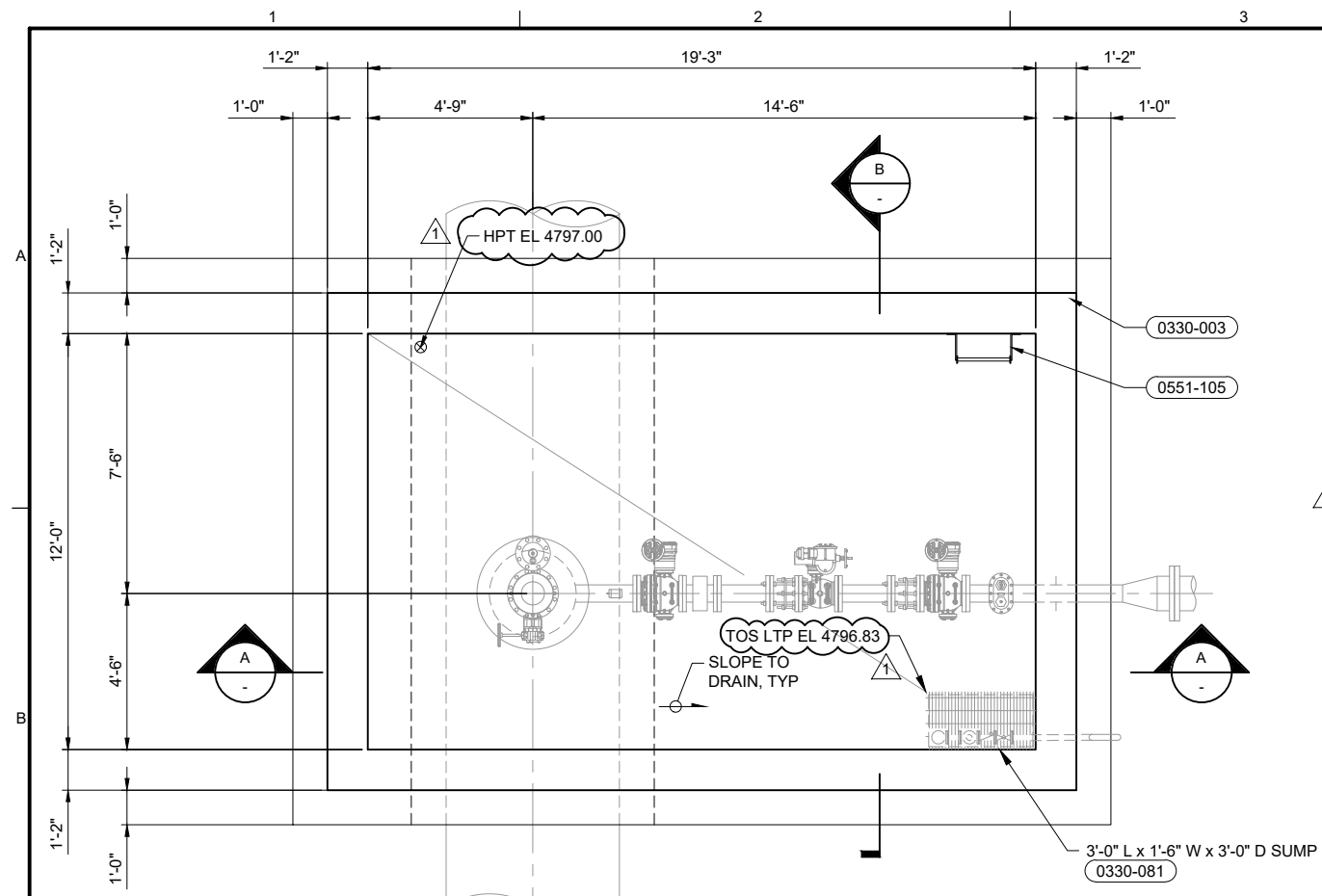


SPANISH FORK SANTAQUIN PIPELINE
 SANTAQUIN REACH

SHEET	XX OF XX
DWG	60-C-1
DATE	OCTOBER 2023
CONTRACT	C-2023-01

GENERAL NOTES

- FOR DESIGN CRITERIA AND STRUCTURAL GENERAL NOTES, SEE DRAWINGS 001-GS-0001 AND 001-GS-0002.
- FOR SPECIAL INSPECTION NOTES AND TESTING REQUIREMENTS SEE DRAWINGS 001-GS-0003 AND 001-GS-0004.
- REINF OPENINGS PER DETAIL 0330-001
- REINF CORNERS PER DETAIL 0330-003
- 2" THK ALUMINUM FACED RIGID INSULATION 4" BELOW FG (LINE ROOF PANELS & HATCH) BUT NOT BEHIND LADDER, RTU, AND ELEC. PANEL..
- UNLESS OTHERWISE NOTED, ALL PIPING BELOW FACILITY SHALL BE ENCASED PER STANDARD DETAILS 0330-016 0330-017 0330-018



DSGN	J TILL				
DR	E WILLETT				
CHK	T MCINTOSH				
APVD	J TILL				
NO.	10/23	ADD1 - MODIFIED STRUCTURE ELEVATIONS	RP	JT	
DATE		REVISION	BY	APVD	

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SPANISH FORK SANTAQUIN PIPELINE
SANTAQUIN REACH

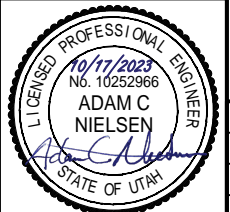
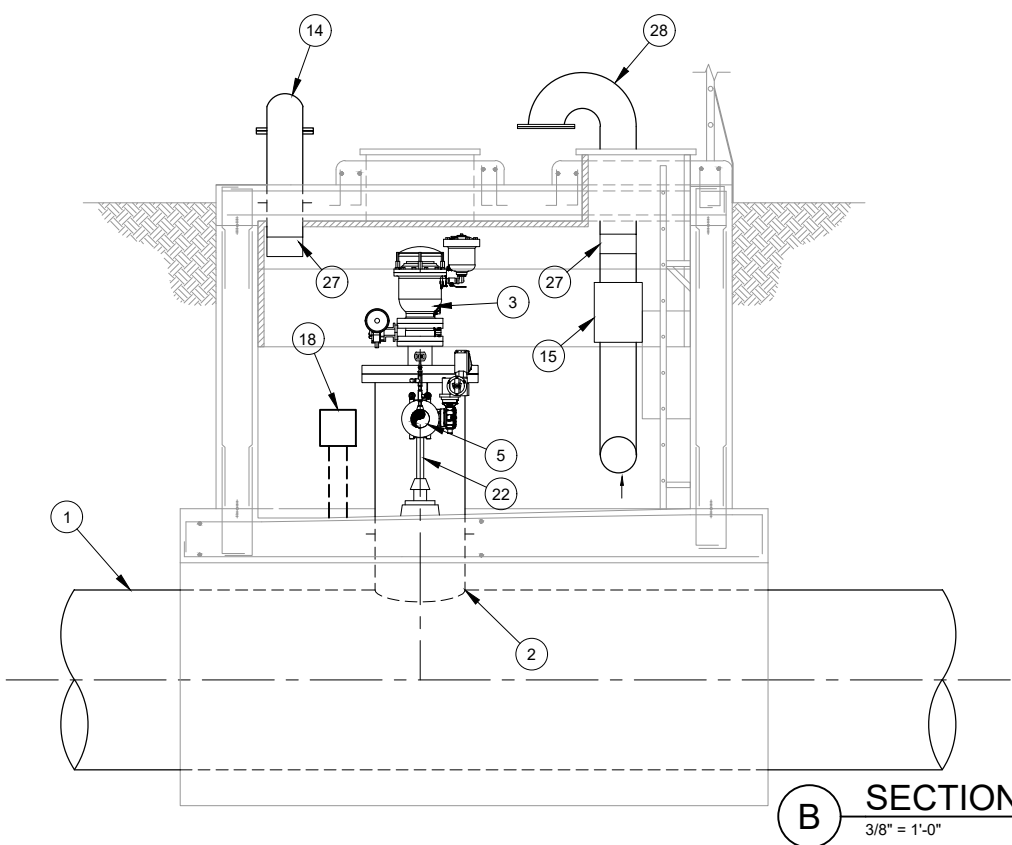
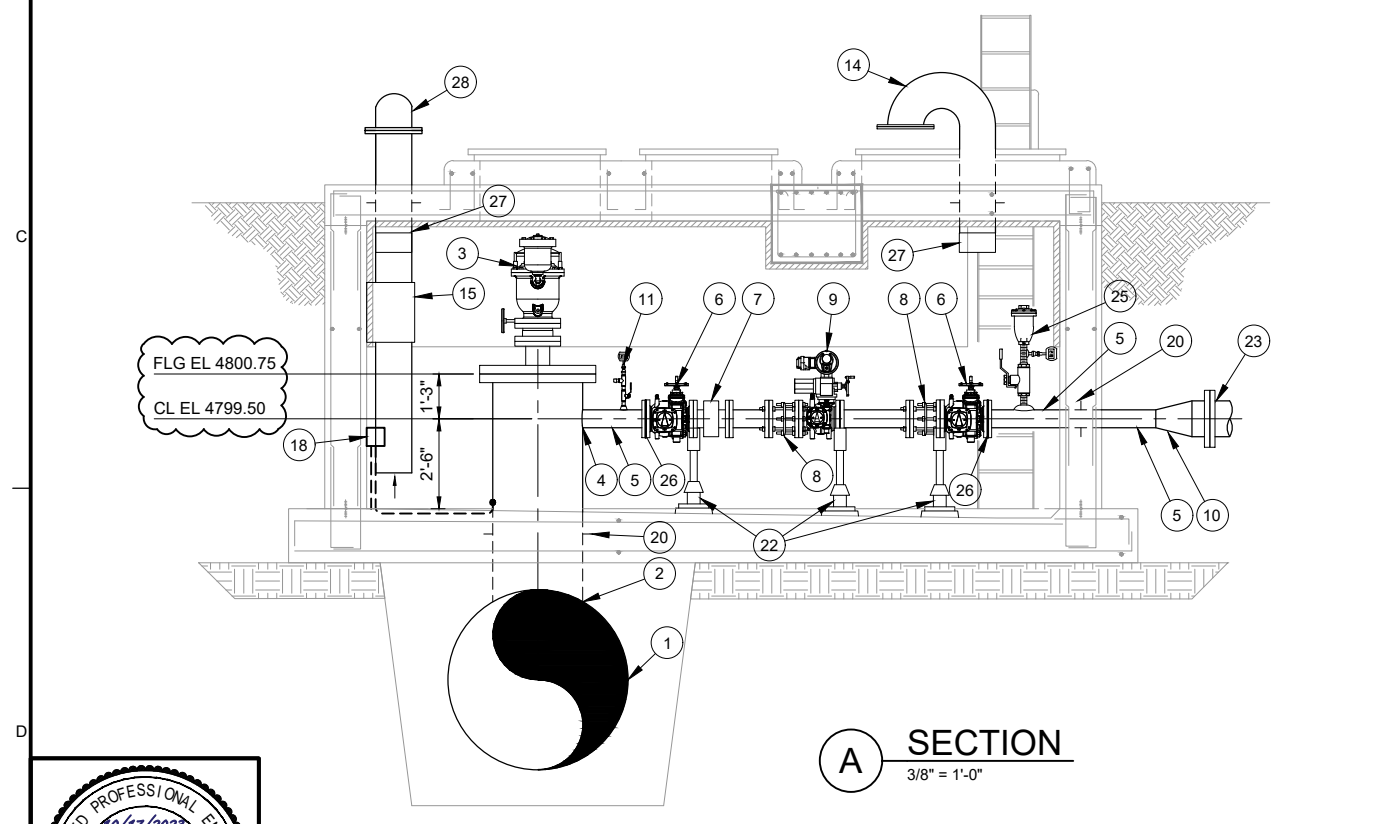
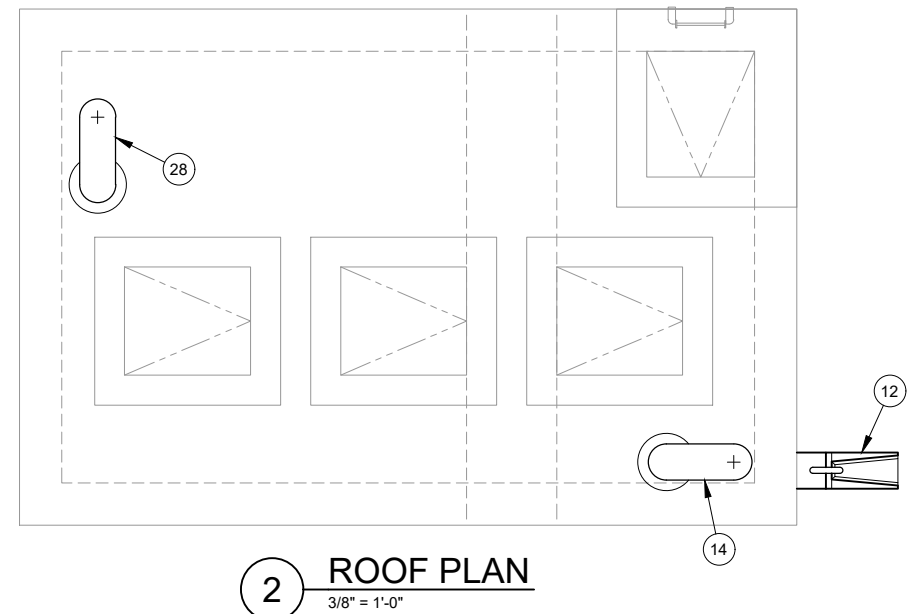
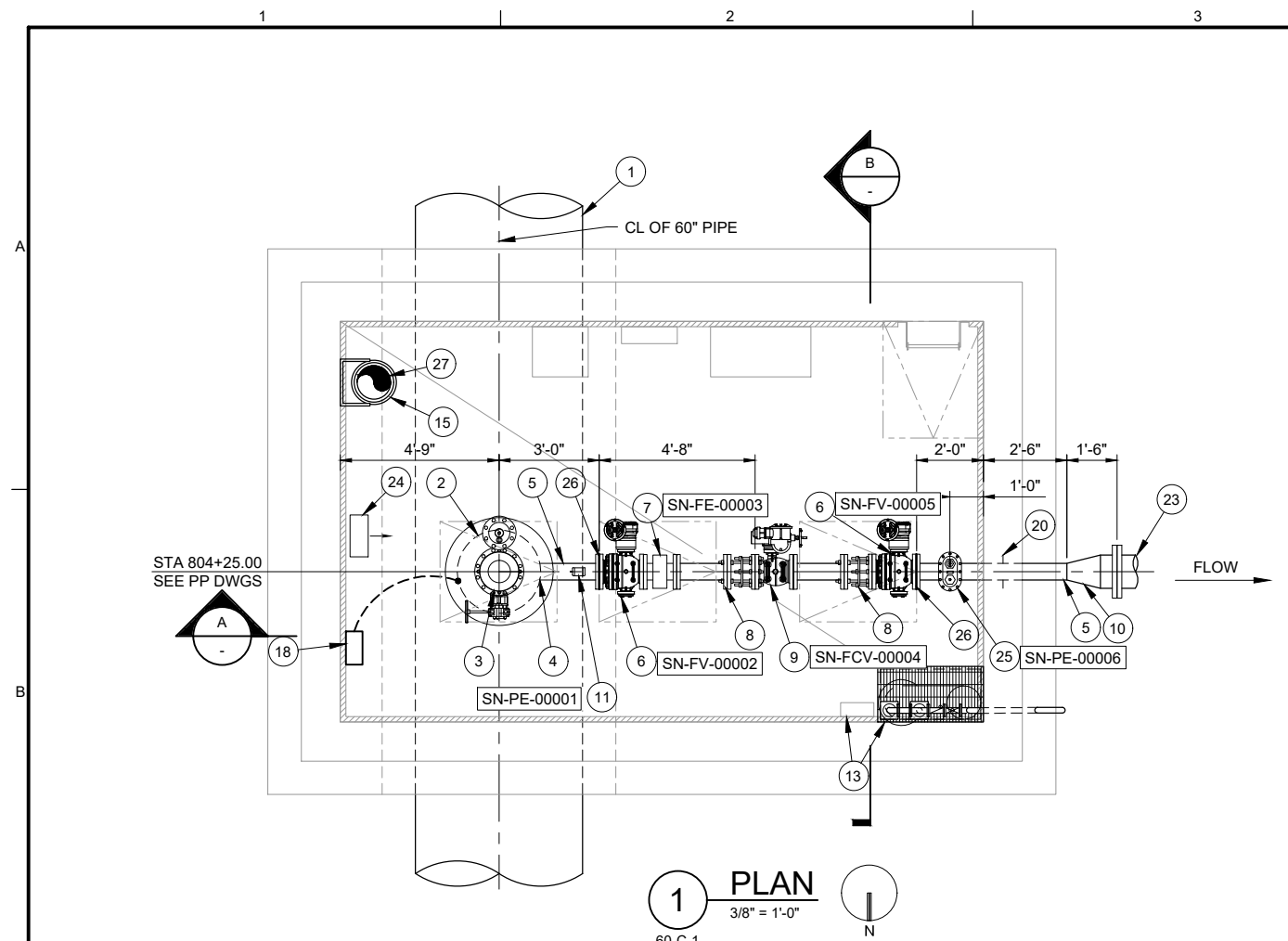
SANTAQUIN NORTH
TURNOUT VAULT
STRUCTURAL PLAN

SHEET	XX OF XX
DWG	60-S-1
DATE	OCTOBER 2023
CONTRACT	C-2023-01

MATERIAL SCHEDULE

- 1 60" WSP, t = 9/16"
- 2 30" WSP OUTLET (3305-937)
- 3 8" AIR VALVE ASSEMBLY (3312-650)
- 4 6" WSP OUTLET (3305-937)
- 5 6" WSP, STD WT
- 6 6" BALL VALVE (V308) W/ MANUAL OPERATOR
- 7 6" MAGNETIC FLOW METER
- 8 6" DISMANTLING JOINT
- 9 6" PLUNGER VALVE WITH ELECTRIC MOTOR ACTUATOR.
- 10 6x12" WSP REDUCER
- 11 PRESSURE TRANSMITTER (4090-690P) ASSEMBLY WITH SIGNAL TO RTU
- 12 SUMP DISCHARGE PIPE AND SPLASH BLOCK (2230-172)
- 13 SUMP DISCHARGE (0330-044) (2230-170P) (2230-172)
- 14 12" WSP GOOSENECK ROOF VENT (4027-625) TERMINATE BOTTOM OF VENT UP NEAR CEILING.
- 15 EXHAUST FAN, SN-EXF-99011 (2334-428) EXTEND 12" INTAKE DUCT DOWN TO WITHIN 12" OF FLOOR. TERMINATE 12" DISCHARGE THROUGH ROOF WITH GOOSENECK (4027-625) TRANSITION FROM GALVANIZED DUCT UP NEAR CEILING WITH VAN-STONE FLANGE.
- 16 NOT USED
- 17 NOT USED
- 18 DC BLOCKER (2642-929) W/ WIRES TO GROUND & 30" WSP
- 19 NOT USED
- 20 WALL SEEP RING (3305-916)
- 21 NOT USED
- 22 PIPE SUPPORT (4005-500)
- 23 12" WSP, STD WT
- 24 ELECTRIC UNIT HEATER, SN-UH-1 (2381-101)
- 25 2" THREDOLET (3312-649), 2" THD STD WT SST PIPE, 2" BALL VALVE (V307), 2" THD STD WT SST PIPE W/ 1/2" THD OUTLET, THD BALL VALVE, BLOCK & BLEED VALVE, & PIT ASSY SIM & 2" 350 PSI THD AIR VALVE (4090-690P), SIM. (V746)
- 26 INSULATING FLANGE (2642-925)
- 27 ROUND LOW LEAKAGE BACKDRAFT DAMPER. INSTALL UP NEAR CEILING.
- 28 12" WSP GOOSENECK ROOF VENT (4027-625)

- NOTES:
1. THE DESIGN ASSUMES THE CITY DISTRIBUTION SYSTEM WILL HAVE PROVISIONS TO ELIMINATE OVER PRESSURIZATION IF A PLUNGER VALVE FAILS OPEN.
 2. ALL DUCTWORK SHALL BE CONSTRUCTED AND INSTALLED PER SMACNA HVAC DUCT CONSTRUCTION STANDARD.
 3. COORDINATE THE LOCATION OF ALL FANS AND DUCTWORK WITH OTHER TRADES.



DSGN	A NIELSEN	NO.	1	DATE	10/23	ADD1 - MODIFIED STRUCTURE ELEVATIONS	RP	AN	VERIFY SCALE
DR	E WILLETT						BY	APVD	BAR IS ONE INCH ON ORIGINAL DRAWING. 0 = 1"
CHK	A MURDOCK								IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.
APVD	A NIELSEN								



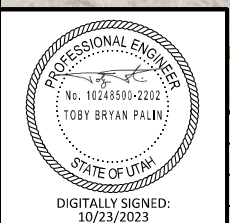
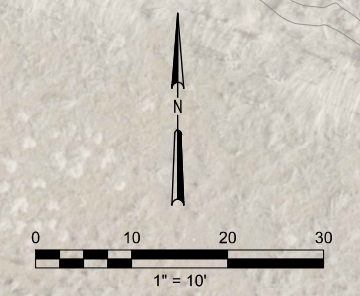
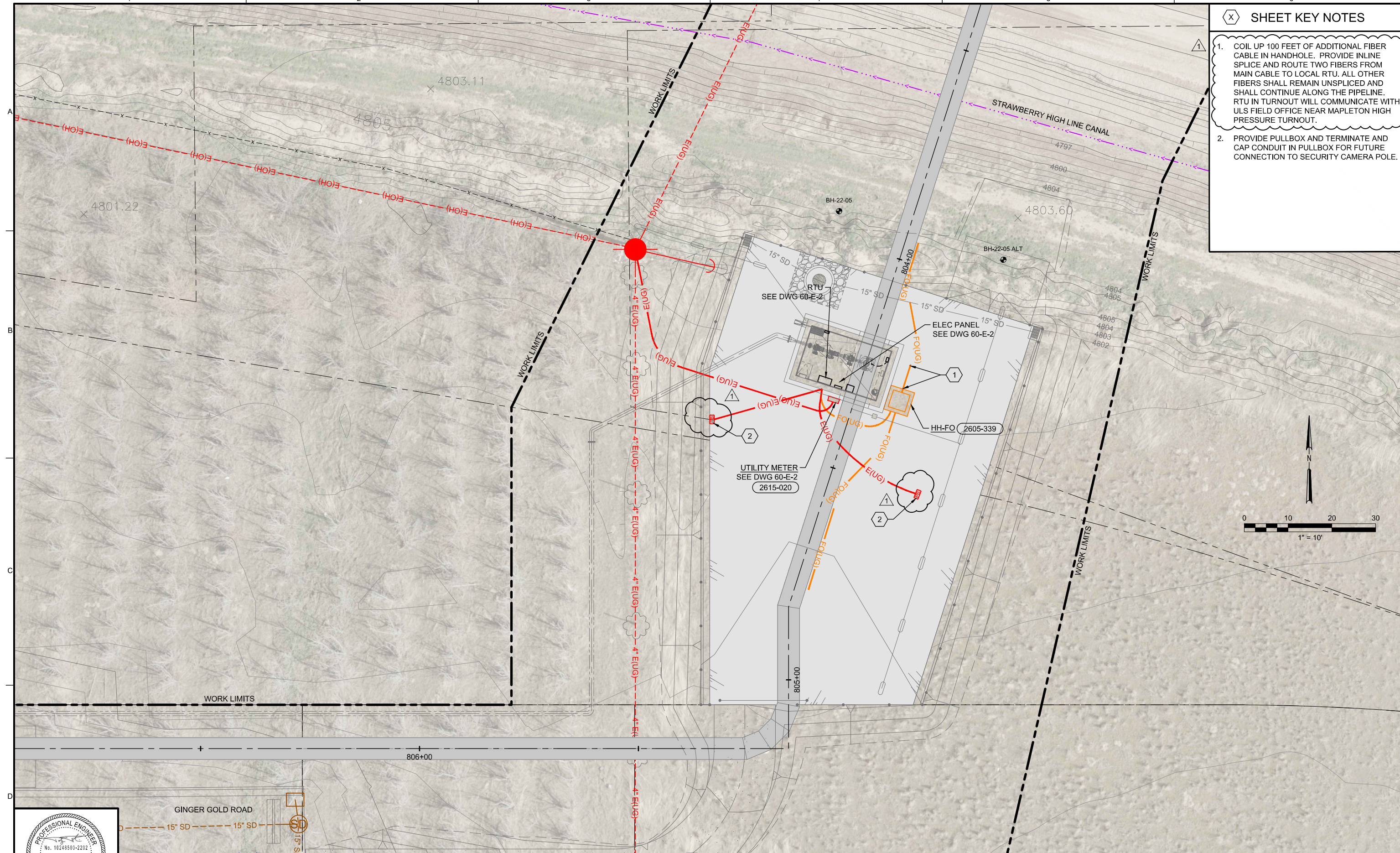
SPANISH FORK SANTAQUIN PIPELINE
SANTAQUIN REACH

SANTAQUIN NORTH
TURNOUT VAULT
MECHANICAL PLAN

SHEET	XX OF XX
DWG	60-M-1
DATE	OCTOBER 2023
CONTRACT	C-2023-01

SHEET KEY NOTES

1. COIL UP 100 FEET OF ADDITIONAL FIBER CABLE IN HANDHOLE. PROVIDE INLINE SPLICE AND ROUTE TWO FIBERS FROM MAIN CABLE TO LOCAL RTU. ALL OTHER FIBERS SHALL REMAIN UNSPLICED AND SHALL CONTINUE ALONG THE PIPELINE. RTU IN TURNOUT WILL COMMUNICATE WITH ULS FIELD OFFICE NEAR MAPLETON HIGH PRESSURE TURNOUT.
2. PROVIDE PULLBOX AND TERMINATE AND CAP CONDUIT IN PULLBOX FOR FUTURE CONNECTION TO SECURITY CAMERA POLE.



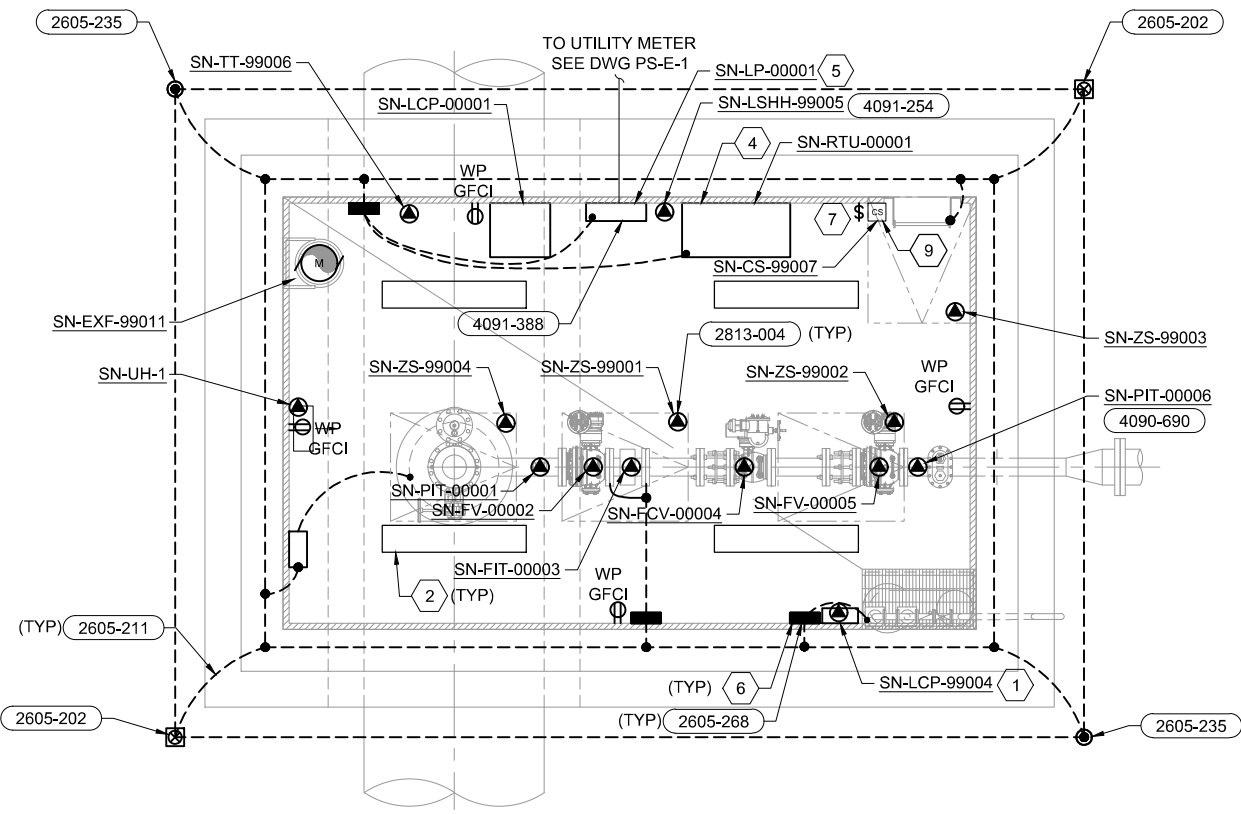
DSGN	M PAWLOWSKI	NO.	1	DATE	10/23	REVISION	ADDENDUM 1	RP	TP
DR	R PHILLIPS	BY		APVD					
CHK	T PALIN								
APVD	T PALIN								

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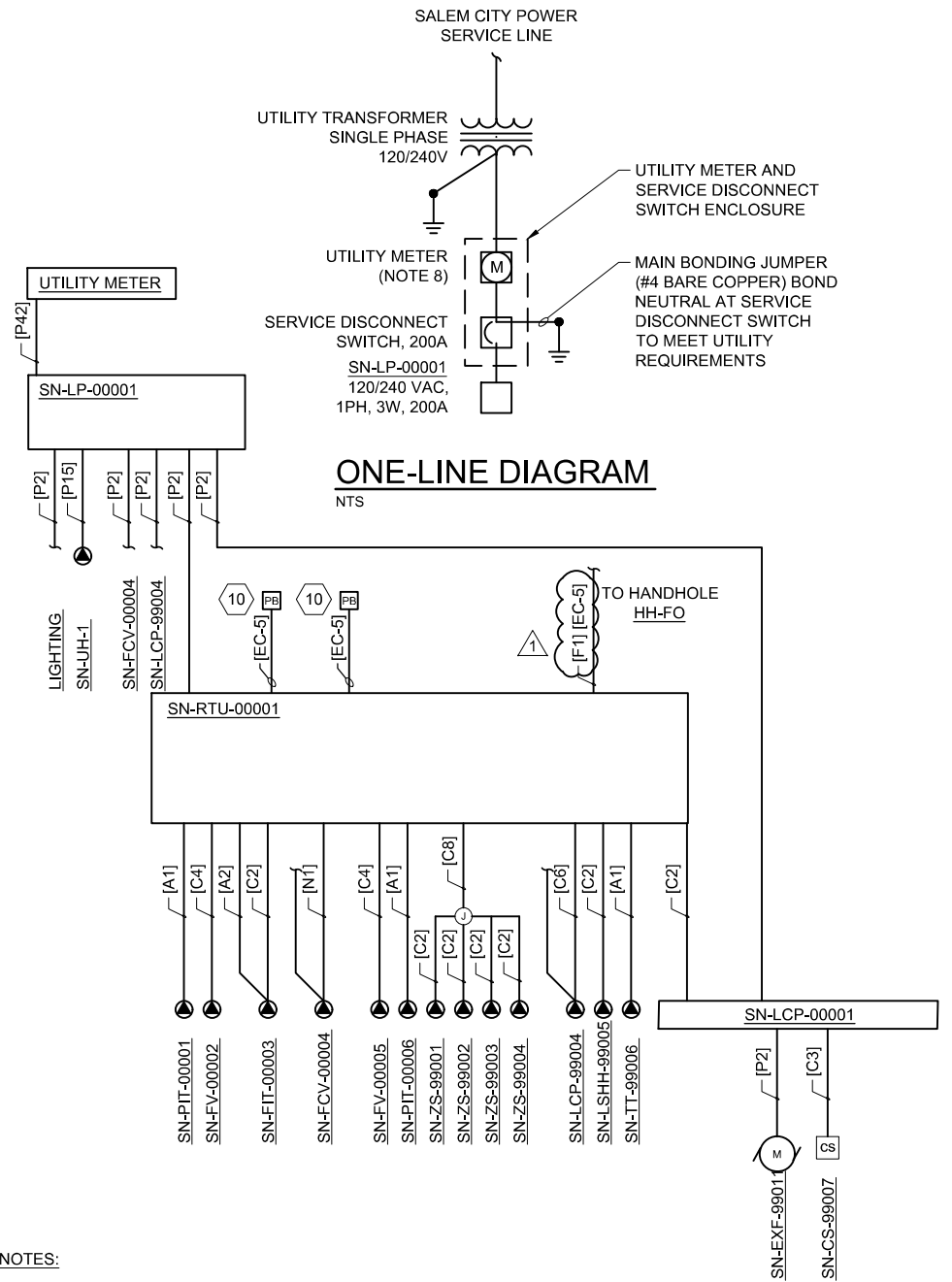


SPANISH FORK SANTAQUIN PIPELINE
 SANTAQUIN REACH

SHEET	XX OF XX
DWG	60-E-1
DATE	OCTOBER 2023
CONTRACT	C-2023-01



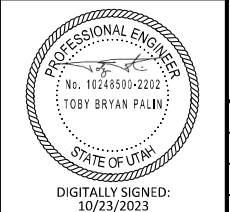
PLAN
3/8" = 1'-0"
N



ONE-LINE DIAGRAM
NTS

KEYED NOTES:

1. DUPLEX SUMP PUMP PACKAGE CONTROL PANEL. MOUNT CONTROLLER ON WALL AND CONNECT PUMP AND FLOAT SWITCHES PER MANUFACTURERS INSTRUCTIONS.
2. LIGHT FIXTURE: INDUSTRIAL LINEAR LED OUTDOOR WET LOCATION VAPORTITE 120V 42 WATT 6000 LUMEN, AMBIENT OPERATION TEMPERATURE -40 C TO +55 C, WALL OR CEILING MOUNT. METALUX OR EQUAL FIXTURE TYPE: 4VT3-LD5-6-G-120-EL10W-L840-CD1-SSLTP.
3. GENERAL: ROUTE ALL POWER AND CONTROL CONDUITS IN CONCRETE SLAB OR FLOOR WHEN POSSIBLE.
4. MOUNT RTU TO WALL. ALL CONDUITS SHALL ENTER RTU FROM THE BOTTOM OR SIDE NEAR THE BOTTOM OF THE ENCLOSURE.
5. FEEDER CIRCUIT SHALL PENETRATE WALL BELOW SN-LP-00001. CONDUIT SHALL TEE WITH ONE CONDUIT GOING UP INTO BOTTOM OF PANEL ENCLOSURE AND THE OTHER CONDUIT GOING DOWN WITH A MOISTURE DRAIN FITTING SO ALL INFILTRATED MOISTURE WILL NOT DRAIN INTO THE ELECTRICAL EQUIPMENT. SEE 60-E-3 FOR PANEL SCHEDULE.
6. BOND GRATING AND STAIRWAY FRAME STRUCTURE TO GROUNDING SYSTEM.
7. PROVIDE WET LISTED LIGHT SWITCH AT THE TOP OF THE ACCESS STAIRS, BUT BELOW ACCESS HATCH.
8. PROVIDE UTILITY METER SOCKET, SERVICE RISER, AND CONDUITS IN ACCORDANCE WITH SALEM CITY POWER STANDARD ELECTRICAL SERVICE REQUIREMENTS. SALEM CITY POWER SHALL PROVIDE PRIMARY AND SECONDARY CONDUCTORS AND TRANSFORMER. COORDINATE WITH SALEM CITY POWER FOR FINAL SERVICE LOCATIONS AND REQUIREMENTS.
9. PROVIDE EXHAUST FAN CONTROL STATION ADJACENT TO LIGHT SWITCH.
10. ROUTE CONDUIT TO PULLBOX FOR FUTURE SECURITY CAMERA POLE. SEE DRAWING 60-E-1 FOR LOCATION.



DSGN	M PAWLOWSKI								
DR	R PHILLIPS								
CHK	T PALIN								
APVD	T PALIN	NO.	10/23	ADDENDUM 1	REVISION	RP	TP	BY	APVD

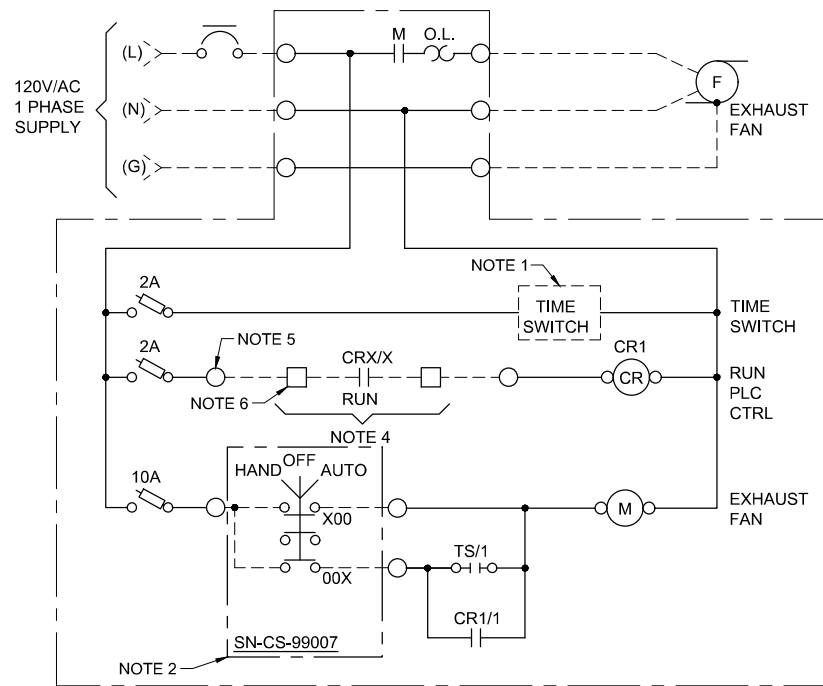
VERIFY SCALE
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0 1"
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SPANISH FORK SANTAQUIN PIPELINE
SANTAQUIN REACH

SANTAQUIN NORTH TURNOUT VAULT ELECTRICAL PLAN

SHEET	XX OF XX
DWG	60-E-2
DATE	OCTOBER 2023
CONTRACT	C-2023-01



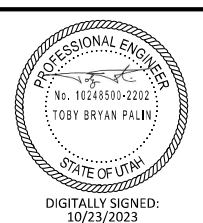
- NOTES:**
1. TIME SWITCH: TORK 8001 SERIES, WITH TIMER SET FOR TWO 15 MINUTE PERIODS IN 24 HOURS.
 2. HAND SWITCH LOCATED AT VAULT HATCH.
 3. LOCATE DEVICES IN FAN CONTROL PANEL / PULL BOX. ENCLOSURE SIZED BY CONTRACTOR AS REQUIRED FOR COMPONENTS.
 4. CONTACT CLOSURE IN RTU ENCLOSURE, CONTROLLED BY PLC.
 5. TERMINAL IN FAN CONTROL PANEL ENCLOSURE.
 6. TERMINAL IN RTU ENCLOSURE.

1 EXHAUST FAN CONTROL PANEL W/ HAND / OFF / AUTO CONTROL
NTS

PANEL: SN-LP-00001 LOCATION: SANTAQUIN NORTH TURNOUT VAULT
 SERVICE VOLTAGE: 120/240V PHASE: 1 WIRE: 3
 TOTAL LOAD KVA: 10.9 BUS SIZE: 225 MAIN SIZE: 200A TYPE: MCB
 REMARKS: NEMA 3R, BOTTOM FEED NEUTRAL: MOUNTING: SURFACE

LOAD IN VA		CIRCUIT DESCRIPTION	BKR A/P	CKT NO.	BKR A/P	CIRCUIT DESCRIPTION	LOAD IN VA	
A	B						A	B
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	1200.0	SUMP PUMP CONTROL PANEL	20A/1P	3	4	20A/1P SN-FCV-00004		1600.0
720.0		RECEPTACLES	20A/1P	5	6	20A/1P RTU PANEL UPS	600.0	
	0.0	SPARE	20A/2P	7	8	20A/1P SPARE		0.0
0.0		SPARE	20A/1P	9	10	20A/1P SPARE	0.0	
	0.0	SPARE	20A/1P	11	12	20A/1P SPARE		0.0
2500.0		SN-UH-1	30A/2P	13	14	20A/1P SPARE	0.0	
	2500.0	SPARE	20A/1P	15	16	20A/1P SPARE		0.0
0.0		SPARE	20A/1P	17	18	20A/1P SPARE	0.0	
	0.0	SPARE	20A/1P	19	20	20A/1P SPARE		0.0
0.0		SPARE	20A/1P	21	22	20A/1P SPARE	0.0	
	0.0	SPARE	20A/1P	23	24	20A/1P SPARE		0.0
0.0		SPARE	20A/1P	25	26	20A/1P SPARE	0.0	
	0.0	SPD	30A/2P	27	28	20A/1P SPARE		0.0
0.0				29	30	20A/1P SPARE	0.0	
4847.0	3700.0	TOTAL					768.0	1600.0
							5615.0	5300.0

2 PANELBOARD SCHEDULE
NTS



DSGN	M PAWLOWSKI								
DR	R PHILLIPS								
CHK	T PALIN								
APVD	T PALIN								
		NO.	DATE	REVISION	RP	TP	BY	APVD	
		1	10/23	ADDENDUM 1					

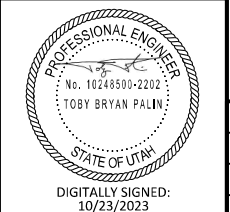
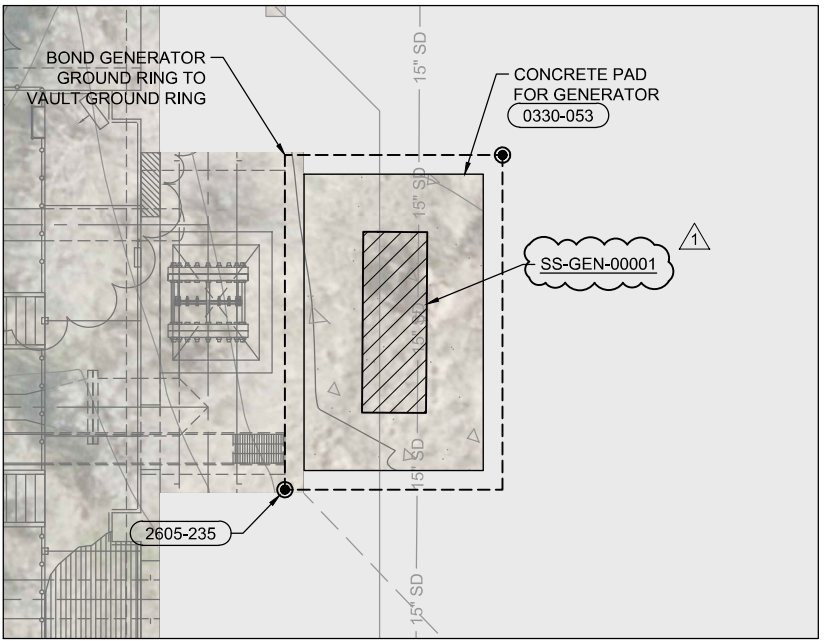
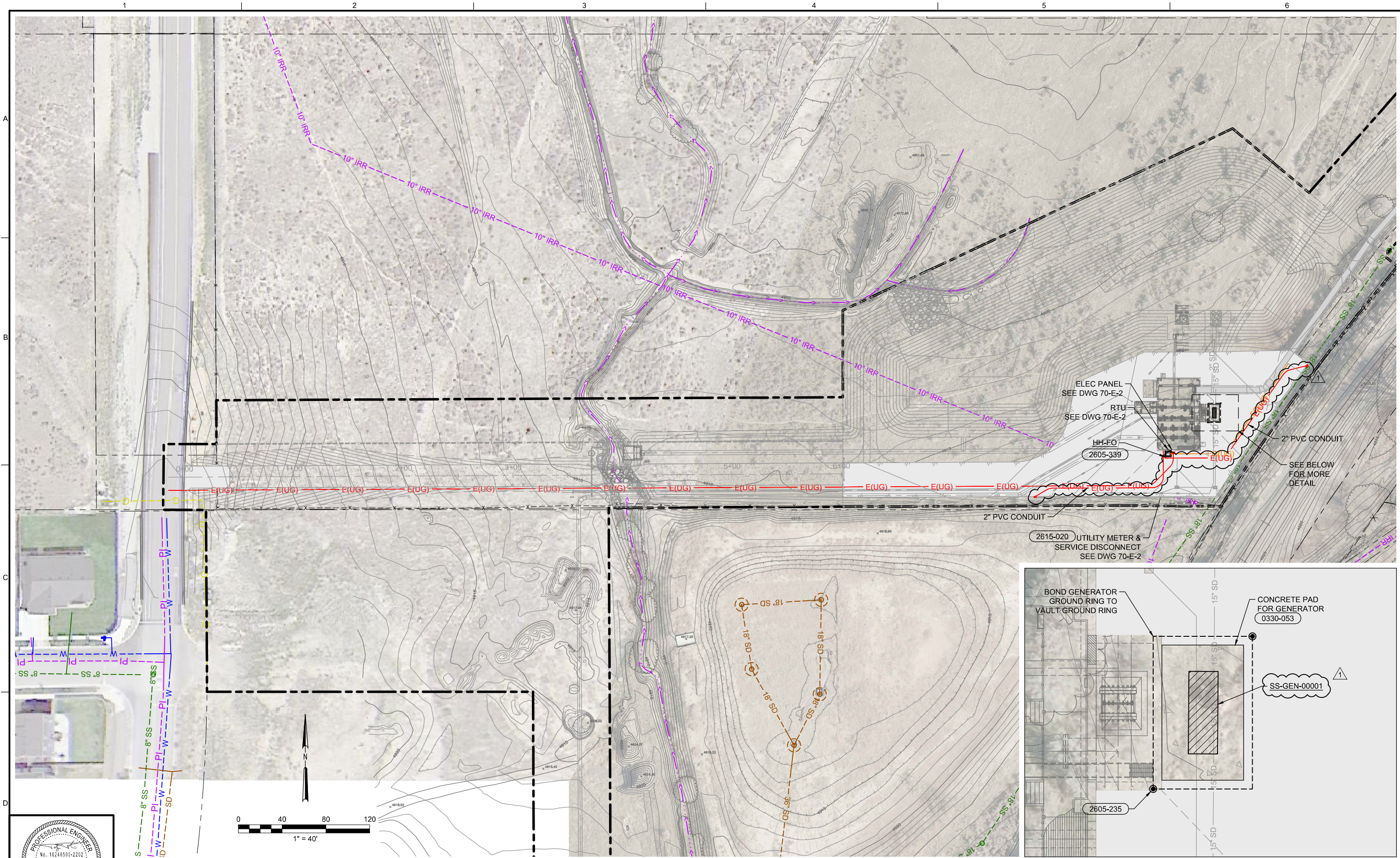
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SPANISH FORK SANTAQUIN PIPELINE
 SANTAQUIN REACH

SANTAQUIN NORTH
 TURNOUT VAULT
 ELECTRICAL DETAILS

SHEET	XX OF XX
DWG	60-E-3
DATE	OCTOBER 2023
CONTRACT	C-2023-01



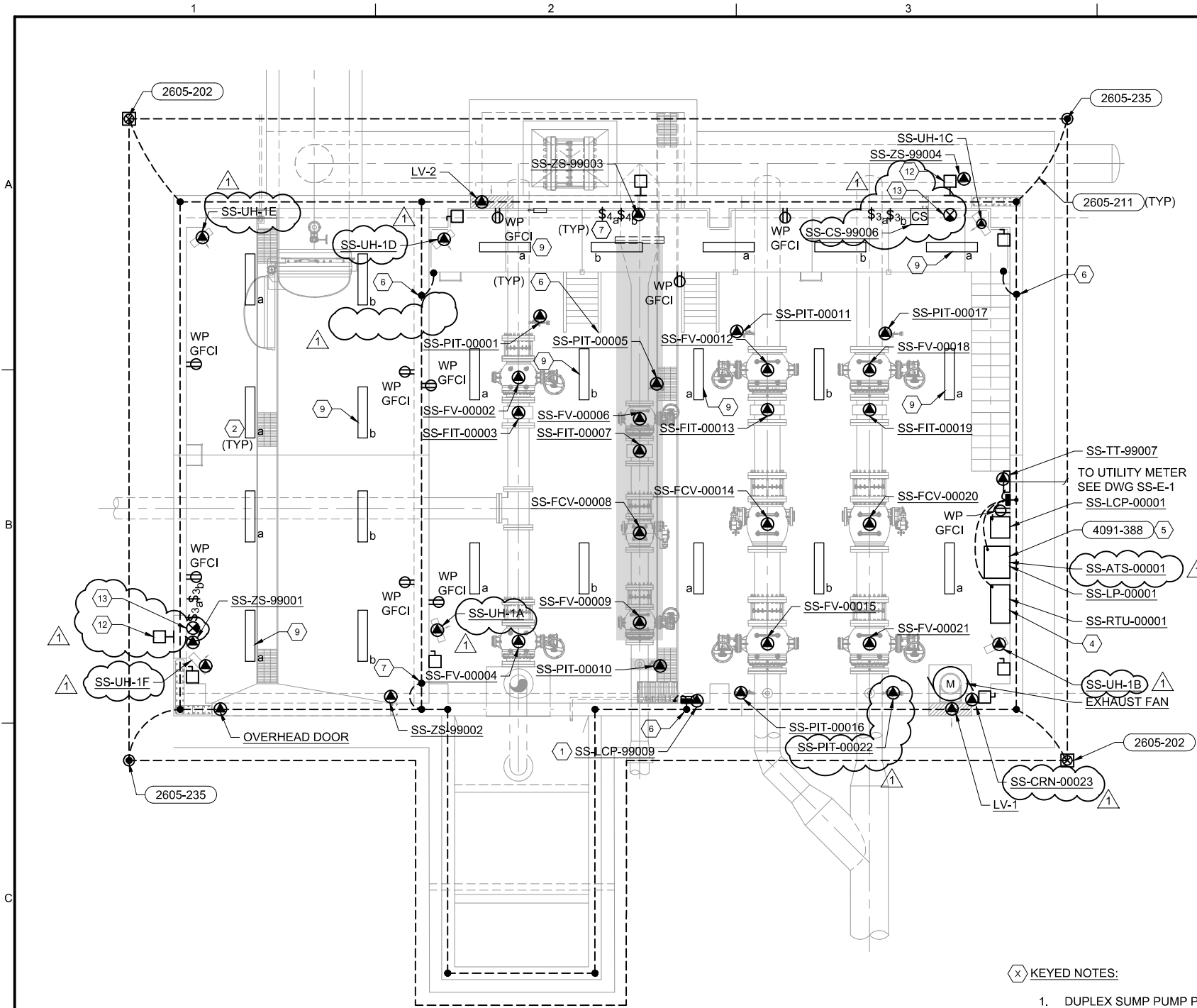
DSGN	M PAWLOWSKI	NO.	10/23	ADDENDUM 1
DR	R PHILLIPS	DATE	10/23	REVISION
CHK	T PALIN	NO.	1	
APVD	T PALIN	DATE	10/23	

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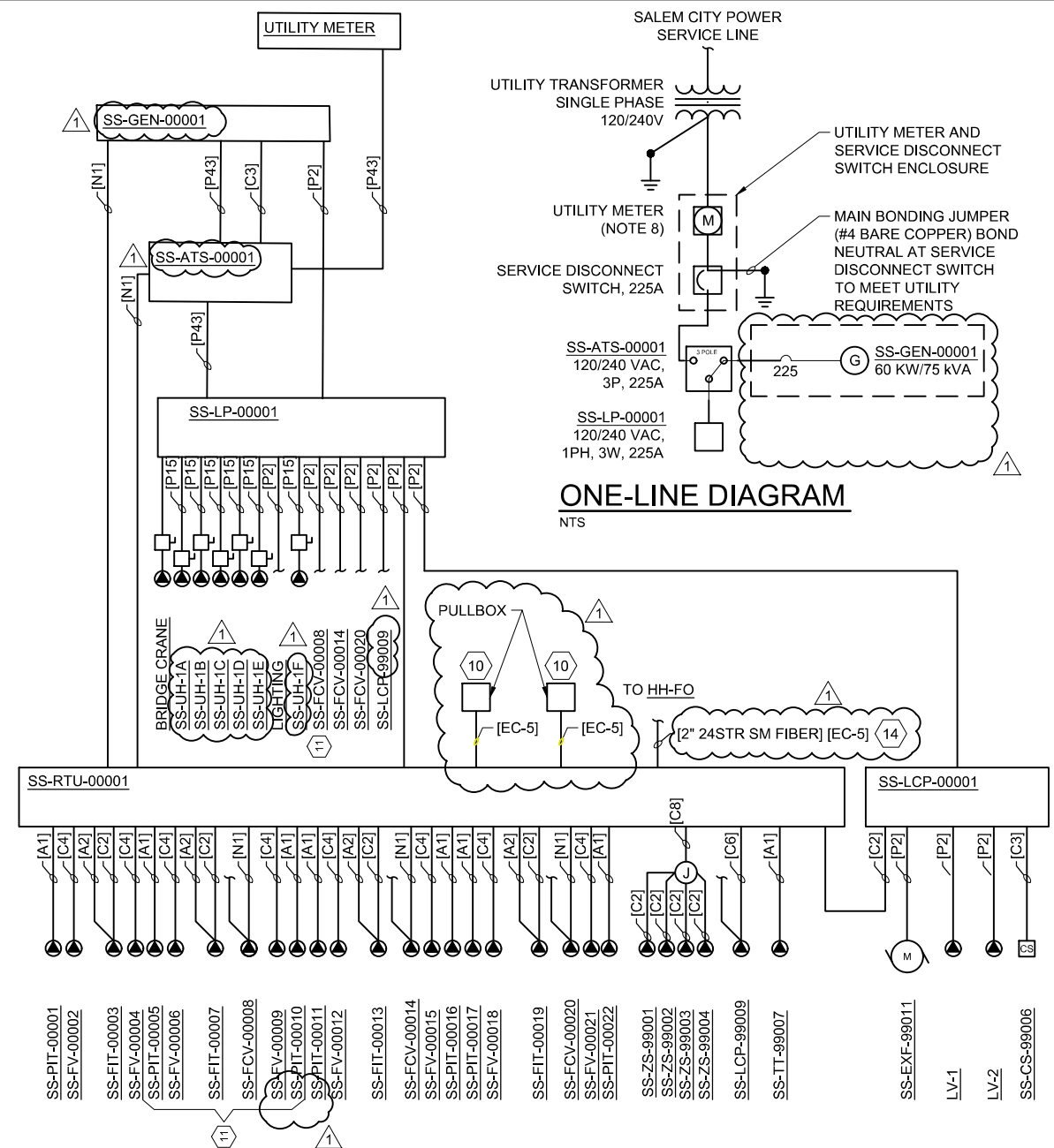


SPANISH FORK SANTAQUIN PIPELINE
 SANTAQUIN REACH

SHEET	XX OF XX
DWG	70-E-1
DATE	OCTOBER 2023
CONTRACT	C-2023-01



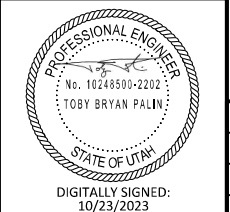
FLOOR PLAN
3/16" = 1'-0"



ONE-LINE DIAGRAM
NTS

(X) KEYED NOTES:

- DUPLEX SUMP PUMP PACKAGE CONTROL PANEL. MOUNT CONTROLLER ON WALL AND CONNECT PUMP AND FLOAT SWITCHES PER MANUFACTURERS INSTRUCTIONS.
- LIGHT FIXTURE: INDUSTRIAL LINEAR LED OUTDOOR WET LOCATION VAPORTITE 120V 42 WATT 6000 LUMEN, AMBIENT OPERATION TEMPERATURE -40 C TO +55 C, WALL OR CEILING MOUNT. METALUX OR EQUAL FIXTURE TYPE: 4VT3-LD5-6-G-120-EL10W-L840-CD1-SSLTP.
- GENERAL: ROUTE ALL POWER AND CONTROL CONDUITS IN CONCRETE SLAB OR FLOOR WHEN POSSIBLE.
- MOUNT RTU TO WALL. ALL CONDUITS SHALL ENTER RTU FROM THE BOTTOM OR SIDE NEAR THE BOTTOM OF THE ENCLOSURE.
- FEEDER CIRCUIT SHALL PENETRATE WALL BELOW SS-LP-00001. CONDUIT SHALL TEE WITH ONE CONDUIT GOING UP INTO BOTTOM OF PANEL ENCLOSURE AND THE OTHER CONDUIT GOING DOWN WITH A MOISTURE DRAIN FITTING SO ALL INFILTRATED MOISTURE WILL NOT DRAIN INTO THE ELECTRICAL EQUIPMENT. SEE 70-E-3 FOR PANEL SCHEDULE.
- BOND GRATING AND STAIRWAY FRAME STRUCTURE TO GROUNDING SYSTEM.
- BOND HANDRAIL TO GROUND SYSTEM.
- PROVIDE UTILITY METER SOCKET, SERVICE RISER, AND CONDUITS IN ACCORDANCE WITH SALEM CITY POWER STANDARD ELECTRICAL SERVICE REQUIREMENTS. SALEM CITY POWER SHALL PROVIDE PRIMARY AND SECONDARY CONDUCTORS AND TRANSFORMER. COORDINATE WITH SALEM CITY POWER FOR FINAL SERVICE LOCATIONS AND REQUIREMENTS.
- PROVIDE INTEGRAL BATTERY BACKUP BATTER IN FIXTURE FOR EMERGENCY EGRESS UPON POWER LOSS. PROVIDE SWITCHED AND UNSWITCHED CIRCUIT TO FIXTURE.
- ROUTE CONDUIT TO PULLBOX FOR FUTURE SECURITY CAMERA POLE. SEE DRAWING 70-E-1 FOR LOCATION.
- VALVES AND INSTRUMENTS WILL BE INSTALLED IN THE FUTURE. ONLY PROVIDE CONDUIT FROM PANELBOARD OR RTU AND CAP FLUSH WITH THE FLOOR.
- EXTERIOR LIGHT FIXTURES ABOVE DOOR SHALL BE LITHONIA WSQ LED P1 40K SR2 MVOLT E20WC PIR DBXD OR EQUAL. MOUNT FIXTURES INCHES ABOVE DOOR FRAME. POWER FROM UNSWITCHED CIRCUIT.
- PROVIDE WET LISTED ILLUMINATED EXIT SIGN LITHONIA WLTE-W-G-EL-SD OR EQUAL. MOUNT EXIT ABOVE DOOR. POWER FROM UNSWITCHED CIRCUIT.
- EXTEND 24 STRAND FIBER OPTIC CABLE FROM HANDHOLE INTO RTU. TERMINATE CABLE AT PATCHPANEL INSIDE THE RTU.



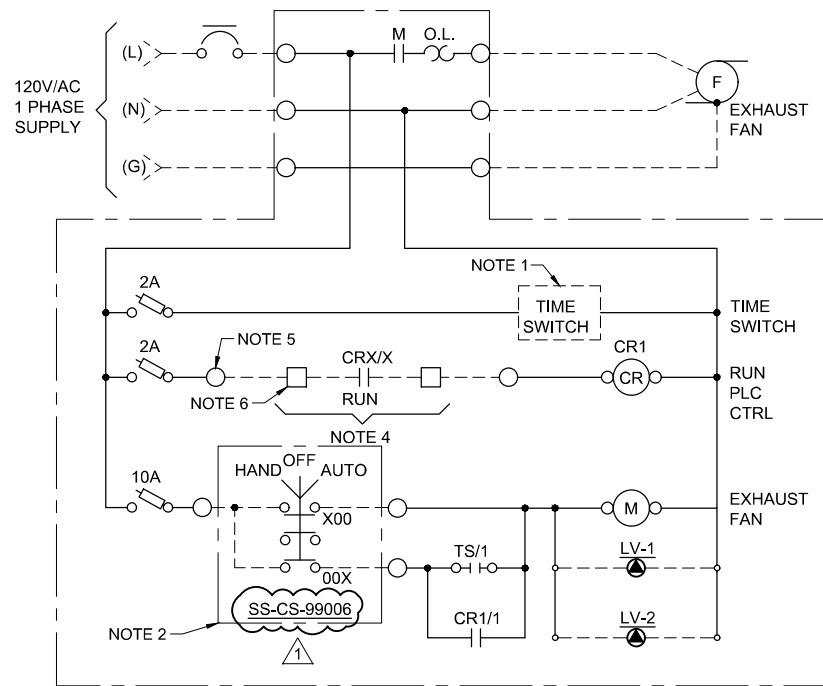
DSGN	M PAWLOWSKI			VERIFY SCALE	
DR	R PHILLIPS			BAR IS ONE INCH ON ORIGINAL DRAWING.	
CHK	T PALIN			0 = 1"	
APVD	T PALIN	NO.	DATE	IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.	
		1	10/23		



SPANISH FORK SANTAQUIN PIPELINE
SANTAQUIN REACH

PIGGING STRUCTURE ELECTRICAL PLAN

SHEET	XX OF XX
DWG	70-E-2
DATE	OCTOBER 2023
CONTRACT	C-2023-01



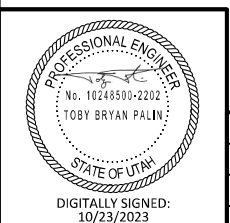
- NOTES:**
1. TIME SWITCH: TORK 8001 SERIES, WITH TIMER SET FOR TWO 15 MINUTE PERIODS IN 24 HOURS.
 2. HAND SWITCH LOCATED AT VAULT HATCH.
 3. LOCATE DEVICES IN FAN CONTROL PANEL / PULL BOX. ENCLOSURE SIZED BY CONTRACTOR AS REQUIRED FOR COMPONENTS.
 4. CONTACT CLOSURE IN RTU ENCLOSURE, CONTROLLED BY PLC.
 5. TERMINAL IN FAN CONTROL PANEL ENCLOSURE.
 6. TERMINAL IN RTU ENCLOSURE.

1 EXHAUST FAN CONTROL PANEL W/ HAND / OFF / AUTO CONTROL
NTS

PANEL: SS-LP-00001 LOCATION: SANTAQUIN SOUTH TURNOUT/PIGGING STRUCTURE
 SERVICE VOLTAGE: 120/240V PHASE: 1 WIRE: 3
 TOTAL LOAD KVA: 45.0 BUS SIZE: 225 MAIN SIZE: 225 TYPE: MCB
 REMARKS: NEMA 3R, BOTTOM FEED NEUTRAL: MOUNTING: SURFACE

LOAD IN VA		CIRCUIT DESCRIPTION	BKR A/P	CKT NO.	CKT NO.	BKR A/P	CIRCUIT DESCRIPTION	LOAD IN VA	
A	B							A	B
2400.0		EXHAUST FAN CONTROL PANEL	20A/1P	1	2	30A/1P	SS-UH-1E	2500.0	2500.0
	1200.0	SUMP PUMP CONTROL PANEL	20A/1P	3	4				
600.0		RECEPTACLES (WEST)	20A/1P	5	6	20A/1P	RTU PANEL UPS	600.0	
	600.0	RECEPTACLES (EAST)	20A/1P	7	8	20A/1P	LIGHTING		966.0
2500.0		SS-UH-1A	30A/2P	9	10	20A/1P	SS-FCV-00008	1600.0	1600.0
	2500.0			11	12	20A/1P	SS-FCV-00014		1600.0
2500.0		SS-UH-1B	30A/2P	13	14	20A/1P	SS-FCV-00020	1600.0	
	2500.0			15	16	30A/2P	SS-UH-1F		2500.0
2500.0		SS-UH-1C	30A/2P	17	18	20A/1P	OVERHEAD DOOR	1600.0	
	2500.0			19	20	20A/1P	BRIDGE CRANE	1600.0	
2500.0		SS-UH-1D	30A/2P	21	22	20A/1P	SPARE		0.0
	2500.0			23	24	20A/1P	SPARE		0.0
600.0		GENERATOR	20A/1P	25	26	20A/1P	SPARE		0.0
	0.0	SPD	30A/2P	27	28	20A/1P	SPARE		0.0
	0.0	TOTAL		29	30	20A/1P	SPARE		0.0
13600.0	11800.0	TOTAL						10400.0	9166.0
								24000.0	20966.0

2 PANELBOARD SCHEDULE
NTS



DSGN	M PAWLOWSKI								
DR	R PHILLIPS								
CHK	T PALIN								
APVD	T PALIN								
		NO.	DATE	REVISION	RP	TP	BY	APVD	
		1	10/23	ADDENDUM 1					

VERIFY SCALE
 BAR IS ONE INCH ON ORIGINAL DRAWING.
 0 1"
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.



SPANISH FORK SANTAQUIN PIPELINE
SANTAQUIN REACH

PIGGING STRUCTURE
ELECTRICAL DETAILS

SHEET	XX OF XX
DWG	70-E-3
DATE	OCTOBER 2023
CONTRACT	C-2023-01

