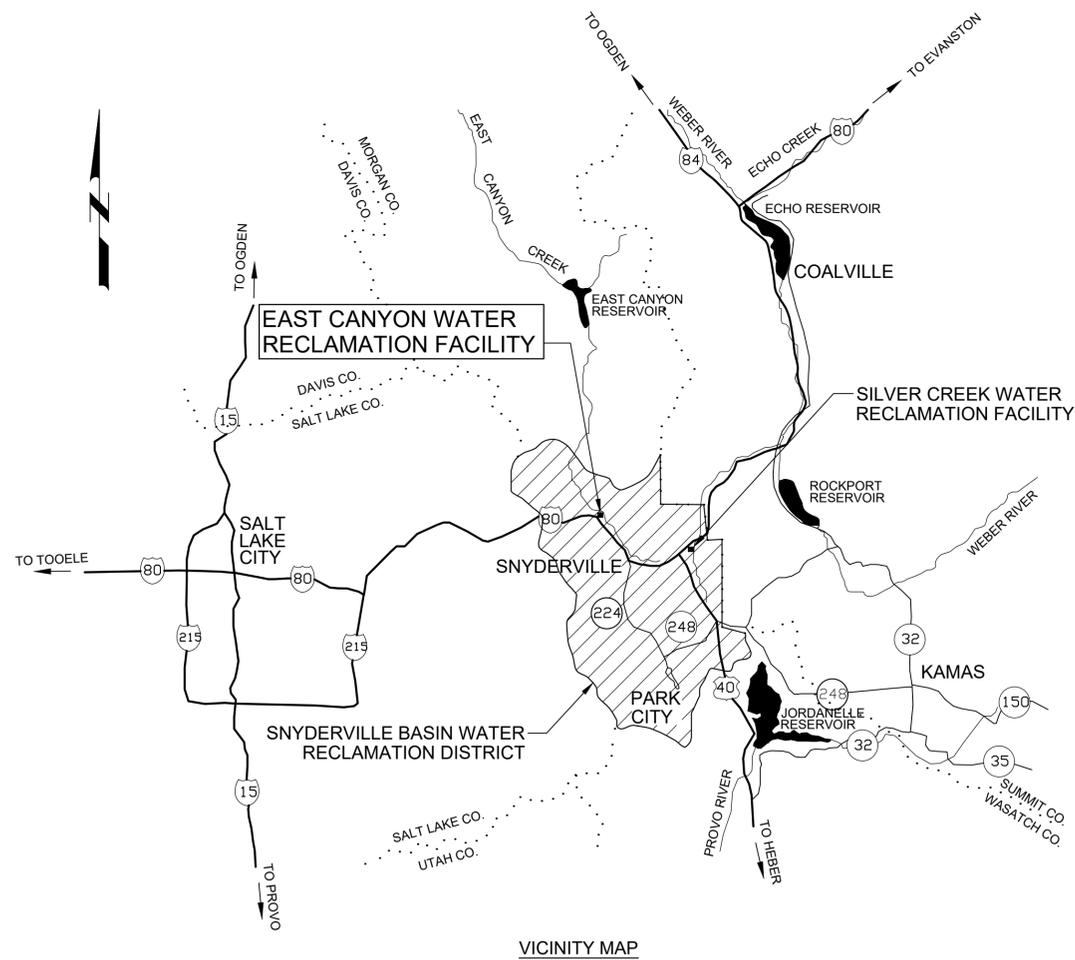


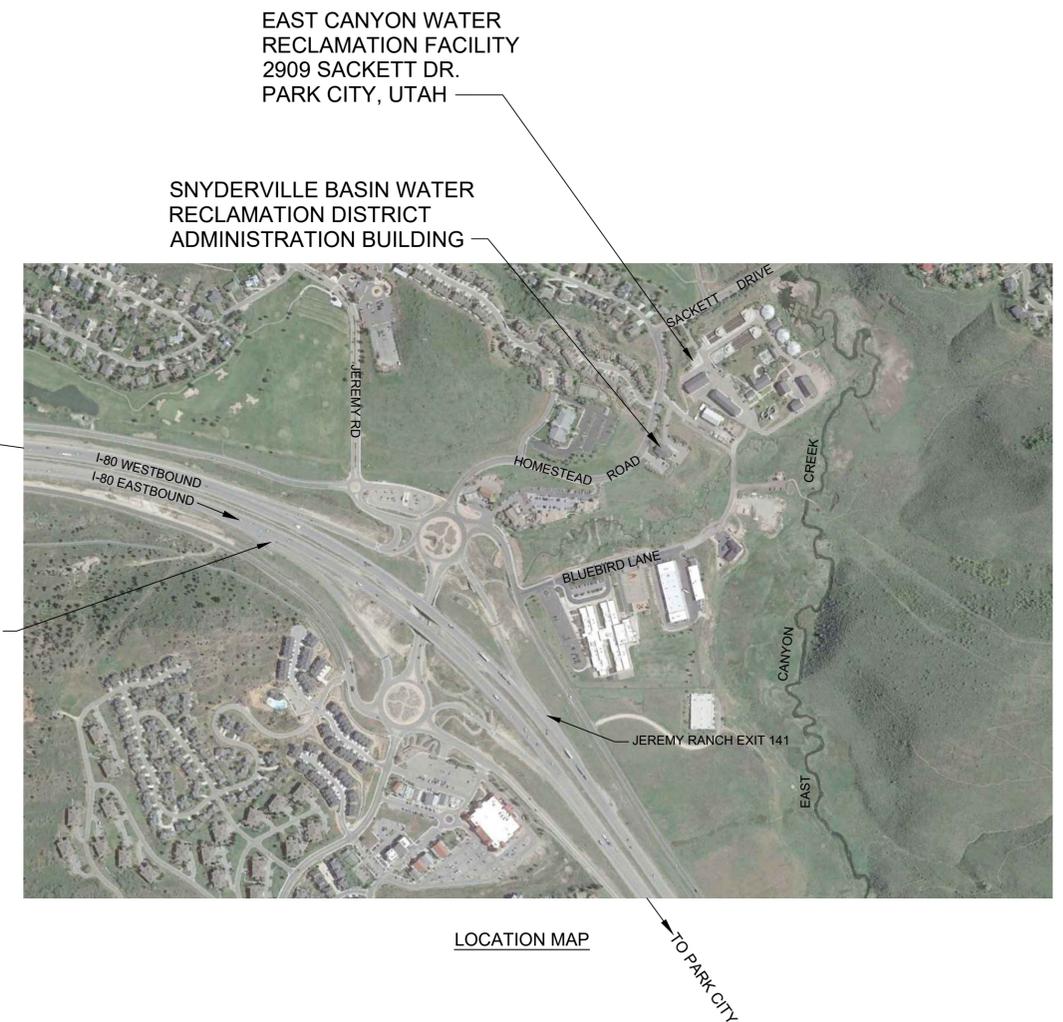


SNYDERVILLE BASIN WATER RECLAMATION DISTRICT DEWATERING EQUIPMENT PREPURCHASE

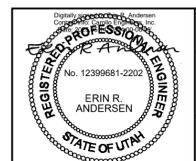
MAY 2025
VOLUME 1 OF 1



VICINITY MAP



LOCATION MAP



JOB NO.	204042
DRAWING NO.	00G01
SHEET NO.	1 OF 42

LAST SAVED BY: tbeiz

SHEET NO.	DRAWING NO.	DESCRIPTION
(G) - GENERAL		
1	00G01	COVER SHEET
2	00G02	DRAWING INDEX
3	00G03	GENERAL NOTES, LEGENDS AND SYMBOLS
4	00G04	ABBREVIATIONS
5	00G05	PIPE SCHEDULE
(D) - DEMOLITION		
6	00D01	SOLIDS BUILDING LOWER PLAN
7	00D02	SOLIDS BUILDING UPPER PLAN
8	00D03	SOLIDS BUILDING SECTION
(S) - STRUCTURAL		
9	00GS01	STRUCTURAL GENERAL NOTES
10	00TS01	TYPICAL DETAILS STRUCTURAL 1
11	00TS02	TYPICAL DETAILS STRUCTURAL 2
12	00TS03	TYPICAL DETAILS STRUCTURAL 3
13	00S01	SOLIDS BUILDING PLANS
14	00S02	SOLIDS BUILDING SECTIONS AND DETAILS 1
15	00S03	SOLIDS BUILDING SECTIONS AND DETAILS 2
(M) - MECHANICAL		
16	00GM01	GENERAL LEGEND AND SYMBOLS
17	00TM01	TYPICAL DETAILS MECHANICAL 1
18	00M01	SOLIDS BUILDING LOWER PLAN
19	00M02	SOLIDS BUILDING INTERMEDIATE PLAN
20	00M03	SOLIDS BUILDING UPPER PLAN
21	00M04	SOLIDS BUILDING SECTION 1
22	00M05	SOLIDS BUILDING SECTION 2
(E) - ELECTRICAL		
23	00GE01	LEGEND
24	00GE02	ABBREVIATIONS
25	00TE01	TYPICAL DETAILS ELECTRICAL 1
26	00DE01	MCC-S DEMO ELEVATION
27	00DE02	MCC-S DEMO ONE-LINE DIAGRAM
28	00E01	MCC-S ELEVATION
29	00E02	MCC-S ONE-LINE DIAGRAM
30	00E03	SOLIDS BUILDING POWER AND CONTROL PLAN
(N) - INSTRUMENTATION		
31	00GN01	SYMBOLS AND ABBREVIATIONS 1
32	00GN02	SYMBOLS AND ABBREVIATIONS 2
33	00GN03	SYMBOLS AND ABBREVIATIONS 3
34	00GN04	SYMBOLS AND ABBREVIATIONS 4
35	00GN05	SAMPLE LOOP DRAWING
36	00GN06	EQUIPMENT TAGGING
37	00TN01	TYPICAL DETAIL INSTRUMENTATION 1
38	00N10	ROTARY PRESS FLOCCULATOR 1 P&ID
39	00N11	ROTARY PRESS 1 P&ID
40	00N12	ROTARY PRESS FLOCCULATOR 2 P&ID
41	00N13	ROTARY PRESS 2 P&ID
42	00N14	AIR COMPRESSOR P&ID

X - INDICATES DRAWINGS NOT CONTAINED IN THIS SUBMITTAL

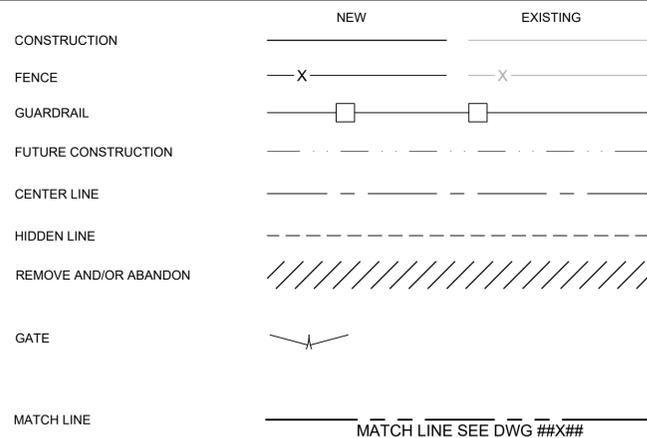
LAST SAVED BY: rdelietz

<table border="1"> <tr> <td>DESIGNED</td> <td>CE</td> </tr> <tr> <td>DRAWN</td> <td>CE</td> </tr> <tr> <td>CHECKED</td> <td>CTA</td> </tr> <tr> <td>DATE</td> <td>MAY 2025</td> </tr> </table>			DESIGNED	CE	DRAWN	CE	CHECKED	CTA	DATE	MAY 2025				<p>SNYDERVILLE BASIN WATER RECLAMATION DISTRICT</p> <p>DEWATERING EQUIPMENT PREPURCHASE</p> <p>GENERAL</p> <p>DRAWING INDEX</p>	<p>VERIFY SCALES</p> <p>BAR IS ONE INCH ON ORIGINAL DRAWING</p> <p>0  1"</p> <p>IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY</p>	<p>JOB NO. 204042</p> <p>DRAWING NO. 00G02</p> <p>SHEET NO. 2 OF 42</p>
DESIGNED	CE															
DRAWN	CE															
CHECKED	CTA															
DATE	MAY 2025															

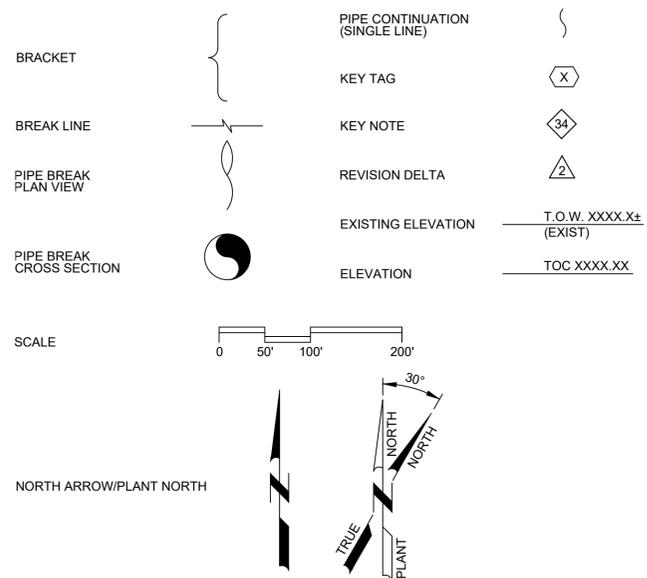
GENERAL NOTES

- FOLLOWING NOTES ARE GENERAL AND APPLY TO ALL SHEETS OF THESE CONTRACT DOCUMENTS AS IF THEY WERE WRITTEN IN THEIR ENTIRETY ON EACH SHEET.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS BEFORE STARTING WORK AND SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY DISCREPANCIES. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING ALL EXISTING CONDITIONS INCLUDING LOCATION AND DIMENSIONS OF ALL EXISTING CONSTRUCTION AND UTILITIES. CONTRACTOR SHALL NOTIFY ENGINEER IF THERE IS A CONFLICT BETWEEN THE CONTRACT DOCUMENTS AND EXISTING CONSTRUCTION BEFORE PROCEEDING WITH WORK.
- UNLESS DETAILED, SPECIFIED, OR OTHERWISE INDICATED ON THE DRAWINGS, CONSTRUCTION SHALL BE AS INDICATED IN THE APPLICABLE TYPICAL DETAILS AND GENERAL NOTES. TYPICAL DETAILS SHALL APPLY EVEN THOUGH NOT REFERENCED AT SPECIFIC LOCATIONS ON DRAWINGS.
- WHERE NO CONSTRUCTION DETAILS ARE SHOWN OR NOTED FOR ANY PART OF WORK, DETAILS SHALL BE IN THE SAME AS FOR OTHER SIMILAR WORK.
- CONTRACTOR SHALL COMPLY WITH LOCAL CONSTRUCTION STORM WATER DISCHARGE REGULATIONS AND REQUIREMENTS.
- PRIOR TO EXCAVATION FOR NEW STRUCTURES, ELECTRICAL CONDUIT, FABRICATION OF NEW PIPING AND/OR OTHER PROPOSED UTILITIES, CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL EXISTING PIPING AND UTILITIES IN THE CONSTRUCTION AREA. THE CONTRACTOR SHALL TEMPORARILY RELOCATE CONFLICTING EXISTING UTILITIES AT TIE-IN/CONNECTION LOCATIONS AND REINSTALL THEM AS REQUIRED TO ELIMINATE THE CONFLICT AT NO ADDITIONAL COST TO THE OWNER.
- ALL PIPELINES 12" AND LARGER SHALL HAVE A MINIMUM COVER OF 36" UNLESS THE COVER DEPTH IS SPECIFICALLY INDICATED ON THE DRAWINGS. PIPE SMALLER THAN 12" SHALL HAVE A MINIMUM COVER OF 30" UNLESS NOTED OTHERWISE. PIPES SHALL BE ROUTED AS SHOWN UNLESS MINOR REVISIONS ARE NECESSARY TO MISS EXISTING PIPES, STRUCTURES, ETC. CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING ALL FITTINGS AND ADAPTERS REQUIRED TO MAKE THE ROUTING CHANGES AT NO ADDITIONAL COST TO THE OWNER. CONTRACTOR SHALL INCLUDE COST FOR THIS IN THE BID.
- EXISTING FACILITY AND UTILITY INFORMATION SHOWN ON THE DRAWINGS WAS OBTAINED FROM AVAILABLE RECORDS OR ELECTRONIC FILES. NEITHER THE OWNER NOR ENGINEER ASSUMES ANY RESPONSIBILITY FOR FACILITIES AND UTILITIES NOT SHOWN OR NOT IN THE LOCATION SHOWN. THE CONTRACTOR SHALL FIELD VERIFY ALL LOCATIONS, SIZES, MATERIAL TYPES, AND ELEVATIONS SHOWN AROUND OR NEAR AREAS OF NEW CONSTRUCTION PRIOR TO START OF CONSTRUCTION.
- THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT FROM DAMAGE EXISTING FACILITIES AND UTILITIES SHOWN OR NOT SHOWN THAT ARE TO REMAIN IN PLACE. ALL FACILITIES DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE EXPEDITIOUSLY REPAIRED OR RECONSTRUCTED TO THE ORIGINAL OR BETTER CONDITION AT THE CONTRACTOR'S EXPENSE WITHOUT ADDITIONAL COMPENSATION.
- CONTRACTOR SHALL MAKE CONNECTIONS TO EXISTING PIPE, EQUIPMENT, ETC. AS REQUIRED AND SHALL PROVIDE ALL FITTINGS, ADAPTERS, AND APPURTENANCES REQUIRED TO MAKE THE CONNECTIONS. PROVIDE ALL SUPPORTS REQUIRED FOR A RIGIDLY SUPPORTED COMPLETE AND WORKING SYSTEM.
- ADJUST ALL VALVE BOXES, VAULTS, PULL BOXES, AND MANHOLES TO FINISHED GRADE UNLESS OTHERWISE SHOWN OR DIRECTED. MANHOLES IN OPEN FIELDS SHALL BE SET TWELVE INCHES ABOVE FINISHED GRADE AND VAULTS SHALL BE SIX INCHES ABOVE FINISHED GRADE.
- THE CONTRACTOR SHALL CONTACT THE PROPER UTILITY REPRESENTATIVE AS FOLLOWS FOR QUESTIONS OR COORDINATION OF CONSTRUCTION RELATED TO EXISTING UTILITIES.
STATE/REGION/MUNICIPALITY SPECIFIC: 1-800-662-4111
- CONTRACTOR SHALL VERIFY THAT PIPING SHOWN TO BE ABANDONED OR AS ABANDONED PREVIOUSLY IS NO LONGER IN SERVICE. LINES IN SERVICE SHALL BE MAINTAINED UNTIL NO LONGER REQUIRED BY THE PLANT.
- ALL EXISTING PIPES THAT ARE TO BE ABANDONED IN PLACE OR REMOVED MAY NOT BE SHOWN. WHERE PIPING IS TO BE ABANDONED AND MUST REMAIN IN SERVICE UNTIL COMPLETION OF OTHER PHASES OF WORK, AND IT CONFLICTS WITH NEW PIPING, TEMPORARILY RELOCATE PIPING AS REQUIRED TO MAINTAIN SERVICE BY THE PLANT.
- CONTRACTOR SHALL REROUTE THE EXISTING PIPING IF REQUIRED TO MISS THE PROPOSED STRUCTURES. THE EXISTING PIPE SHALL REMAIN IN SERVICE UNTIL NEW PIPING IS READY TO BE PLACED INTO SERVICE. DOWNTIME SHALL BE A MAXIMUM OF 2 HOURS, UNLESS SPECIFIED OR SHOWN OTHERWISE.
- ALL SIDEWALKS TO BE 3'-0" WIDE UNLESS SHOWN OTHERWISE.
- THE CONTRACTOR SHALL TAKE SPECIAL PRECAUTIONS IN THE VICINITY OF ANY OVERHEAD ELECTRIC LINES. CONTRACTOR SHALL ABIDE BY THE NATIONAL ELECTRIC CODE AND ANY REQUIREMENT BY THE OWNER OF THE ELECTRIC LINES.
- PROVIDE ALL SHEETING/SHORING REQUIRED TO PROTECT EXISTING STRUCTURES, PIPES AND FACILITIES.
- CONTRACTOR SHALL VERIFY LOCATION OF ALL ARCHITECTURAL, MECHANICAL, AND ELECTRICAL ITEMS BEFORE PLACING ANY STRUCTURAL STEEL OR CONCRETE. ALSO, STRUCTURAL DIMENSIONS AND OPENINGS CONTROLLED BY ARCHITECTURAL, MECHANICAL, OR ELECTRICAL EQUIPMENT SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
- MECHANICAL AND ELECTRICAL EQUIPMENT SUPPORTS, ANCHORAGES, OPENINGS, RECESSES, AND REVEALS NOT SHOWN ON THE STRUCTURAL DRAWINGS, THAT ARE REQUIRED BY OTHER CONTRACT DRAWINGS, SHALL BE PROVIDED PRIOR TO CASTING CONCRETE.

LINE WORK



SYMBOLS



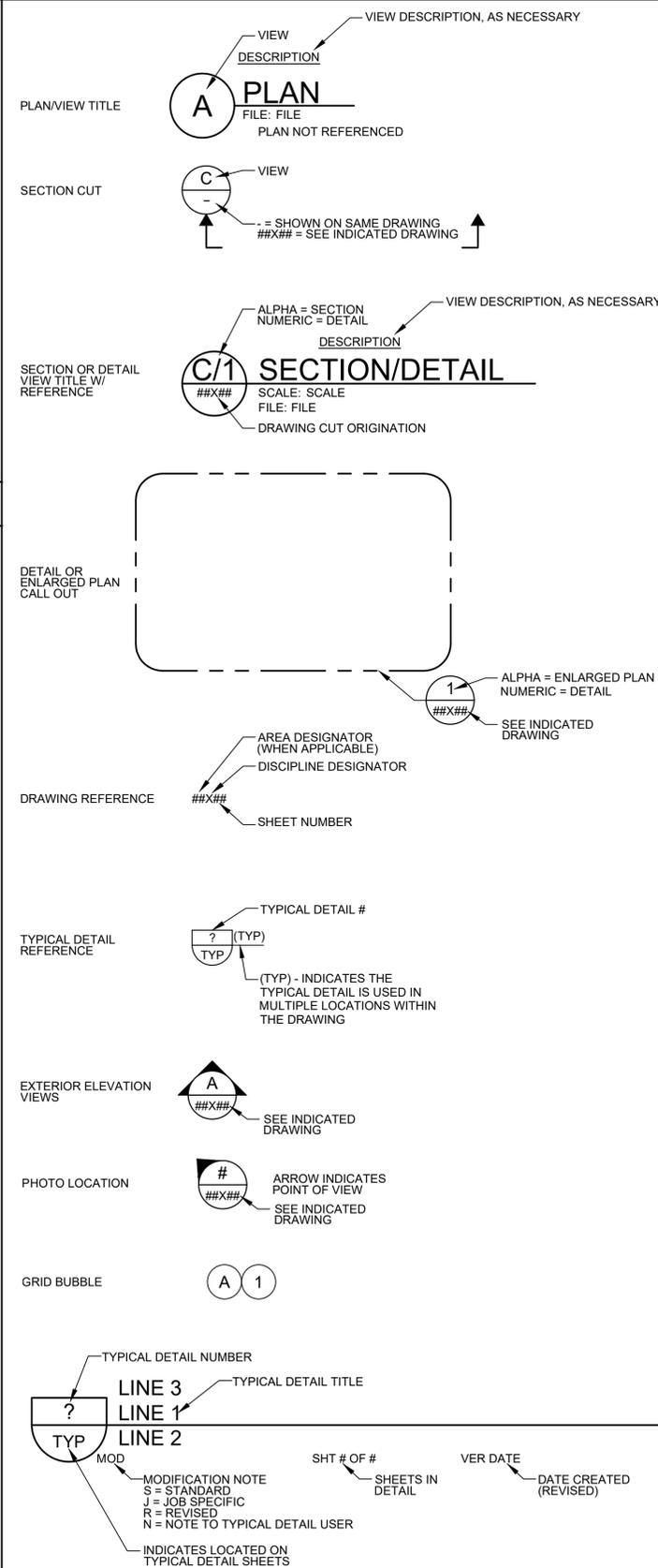
Equipment (E) = EXISTING EQUIPMENT
Equipment (F) = FUTURE EQUIPMENT

PIPE TAG: PIPE SIZE, FLOW STREAM, SIZE FLOW STREAM
(E) = EXISTING FLOW STREAM
(F) = FUTURE FLOW STREAM

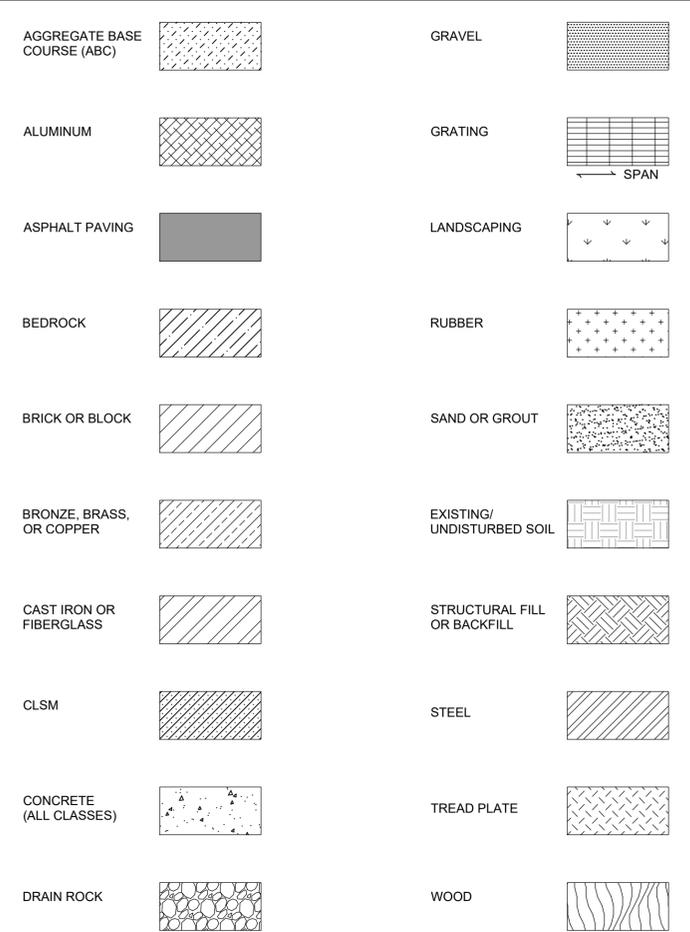
Avoid overhead power line contact. It's costly.

Call before you dig.
1-888-221-7070

DETAIL REFERENCES



HATCH PATTERNS



MISCELLANEOUS

LAST SAVED BY: briez

REV	DATE	BY	DESCRIPTION
1			
2			
3			

DESIGNED CE
DRAWN CE
CHECKED CTA
DATE MAY 2025

SNYDERVILLE BASIN WATER RECLAMATION DISTRICT
DEWATERING EQUIPMENT PREPURCHASE
GENERAL
NOTES, LEGEND, AND SYMBOLS

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

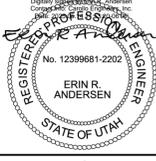
JOB NO. 204042
DRAWING NO. 00G03
SHEET NO. 3 OF 42

	1	2	3	4	5	6	7	8	9	10	11	12	13												
	<p>A</p> <p>@ (MEASUREMENT) Δ DEFLECTION ANGLE, CENTRAL ANGLE # NUMBER (REBAR Ø)</p> <p>AB ANCHOR BOLT ABC AGGREGATE BASE COURSE ABS ACRYLONITRILE BUTADIENE STYRENE AC ASPHALTIC CONCRETE ACB AIR CIRCUIT BREAKER ACI AMERICAN CONCRETE INSTITUTE ACP ASBESTOS CEMENT PIPE ACU AIR CONDITIONING UNIT AD AREA DRAIN ADDL ADDITIONAL ADJ ADJACENT, ADJUST, ADJUSTABLE ADMIN ADMINISTRATION ADR ACCESS DOOR AED AREA EQUIPMENT DRAIN AER AERAT(ION)(OR) AFC AFTERCOOLER AFF ABOVE FINISHED FLOOR AFM AIR FLOW METER AHU AIR HANDLING UNIT AIC AIR COMPRESSOR AIL AIR INTAKE LOUVER ALT ALTERNATE AL ALUMINUM ANCH ANCHOR ANV ANGLE VALVE APPROX APPROXIMATE, APPROXIMATELY ARCHX ARCHITECTURAL ARV AIR RELEASE VALVE ASSY ASSEMBLY ASTM AMERICAN SOCIETY FOR TESTING AND MATERIALS AV ACID VENT AVG AVERAGE AVV AIR AND VACUUM VALVE AW ACID WASTE</p>	<p>B</p> <p>BC BEGIN CURVE, BRASS CAP, BACK OF CURB, BOLT CIRCLE BCKR BACKER BOARD BCM BATCH METER BD BOARD BDD BACKDRAFT DAMPER BDR BASIN DRAIN LINE BF BLIND FLANGE BFG BELOW FINISHED GRADE BFP BELT FILTER PRESS BFV BUTTERFLY VALVE BG BREAK GLASS HAND SWITCH BKW BACKWASH BLDG BUILDING BLK BLOCK BLKHD BULKHEAD BLR PROCESS BLOWER BM BEAM, BENCH MARK BO BOTTOM OF BOTM BOTTOM BOTTS BOTTOM SLUDGE BPV BACK PRESSURE VALVE BRG BEARING BSP BLACK STEEL PIPE BTU BRITISH THERMAL UNITS BTWN BETWEEN BV BALL VALVE BWCCP BAR-WRAPPED CONCRETE CYLINDER PIPE</p>	<p>C</p> <p>CA CLOSE, CONDUIT CHANNEL (STRUCTURAL) CONCRETE ANCHOR CAUSTIC CAUSTIC SOLUTION (CONCENTRATED OR DILUTE) CB CATCH BASIN CC CENTER OF CURVATURE, CENTER TO CENTER CCB CHLORINE CONTACT BASIN CD CEILING DIFFUSER, CONDENSATE DRAIN CDL CHEMICAL DRAIN LINE CDT CONDUIT CEF CEILING EXHAUST FAN CF CUBIC FEET CFM CUBIC FEET PER MINUTE CFS CUBIC FEET PER SECOND CHEMD CHEMICAL DRAIN CHEM FEEDER CHKD PL CHECKERED PLATE CI CAST IRON CIP CAST IRON PIPE CIRC CIRCUMFERENTIAL/CIRCUMFERENCE CJ CONSTRUCTION JOINT OKA CHECK VALVE, ANGLE OKB CHECK VALVE, BALL OKF CHECK VALVE, FLAP CKS CHECK VALVE, SWING CL CENTER LINE CLK CHAIN LINK CLD CHLORINE LEAK DETECTOR CLL CHLORINE LIQUID CLP CHLORINE GAS (PRESSURE) CLR CLEAR CLS CHLORINE SOLUTION CLSM CONTROLLED LOW STRENGTH MATERIAL CLV CHLORINE GAS (VACUUM) CML CEMENT MORTAR LINED CMLC CEMENT MORTAR LINED AND COATED CMP CORRUGATED METAL PIPE CMU CONCRETE MASONRY UNIT CNV CONVEYOR CO CLEANOUT COL(S) COLUMNS CONC CONCRETE CONN CONNECT, CONNECTION CONST CONSTRUCTION CONT CONTINUOUS OR CONTINUATION OR (D) (OUS) CORR CORRUGATE(D), CORROSION CP CONTROL POINT CPLG COUPLING CPT CARPET CPVC CHLORINATED POLYVINYL CHLORIDE CS CARBON STEEL, CIRCULATING SLUDGE CSP CHEMICAL SUMP PUMP, CORRUGATED STEEL PIPE CT CURRENT TRANSFORMER, CERAMIC TILE</p>	<p>D</p> <p>D DEPTH, DIGITAL OR DISCRETE, DRAIN DRIVEWAY DBL DOUBLE DDR DESICCANT DRYER DEG or ° DEGREE DEMO DEMOLISH, DEMOLITION DET DETAIL DFL DECANT/FILTRATE DIA DIAMETER DIA or Ø DIAGONAL DIAG DIAG DIF DIFFUSER DIG DIGESTER DIM DIMENSION DIP DUCTILE IRON PIPE DISCH DISCHARGE DIW DEIONIZED WATER DL DEAD LOAD, DRAIN LINE DLV DRAIN LINE COVER DMP DAMPER DMS DIAPHRAGM SEAL DN DOWN DO DITTO DOOR DOOR OPENING DP DEEP (OR DEPTH) DPV DIAPHRAGM VALVE DR DOOR, DRAIN DRIP TRAP DRV DRAIN VALVE DS DIGESTED SLUDGE, DOWN SPOUT DSW DISTILLED WATER, DOOR SWITCH DUC DUST COLLECTOR DUH DUCT HEATER UNIT DW DISTILLED WATER DWD DEWATERING DRAIN DWG(S) DRAWING(S) DWL(S) DOWEL(S)</p>	<p>E</p> <p>E EAST EA EACH EC END OF CURVE ECC RED ECCENTRIC REDUCER ECU EVAPORATOR COOLING UNIT ED EQUIPMENT DRAIN EF EXHAUST FAN, EACH FACE EFF EFFLUENT EG EXHAUST GRILLE EIFS EXTERIOR INSULATION AND FINISH SYSTEM EJ EXPANSION JOINT EJR INJECTOR/DUCTOR EL ELEVATION ELEC ELECTRICAL ELL ELEVATION EMBED EMBEDMENT EMH ELECTRICAL MANHOLE EP EDGE OF PAVEMENT EPS EXPANDED POLYSTYRENE ERV ECCENTRIC PLUG VALVE EQ EQUAL EQUIP EQUIPMENT ER EXHAUST REGISTER ES EACH SIDE ESEW EMERGENCY SHOWER AND EYE WASH ESMT EASEMENT ESS EMERGENCY HAND SWITCH ET ELECTRICALLY HEAT TRACED EUH ELECTRIC UNIT HEATER EVR EVAPORATOR EW EACH WAY EWC ELECTRIC WATER COOLER EWEF EACH WAY EACH FACE EWH ELECTRIC WATER HEATER, EXHAUST EX EXISTING EXIST EXISTING EXP EXPANSION, EXPANSION TANK EXPO EXPOSED EXT EXTERIOR</p>	<p>F</p> <p>FACT FACTORY FAD FOUL AIR DUCT FB FLAT BAR FBW FILTER BACKWASH FC FACE OF CURB, FLEXIBLE COUPLING FCA FLANGE COUPLING ADAPTER FCO FLOOR CLEANOUT FCU FAN COIL UNIT FD FIRE DAMPER, FLOOR DRAIN, FOUN FDC FIRE DEPARTMENT CONNECTION FDL FLOOR DRAIN LINE FDR FEEDER FEFF FINAL EFFLUENT FG FLAP GATE FH FIRE HYDRANT FILT FILTRATE FIN FINISH FIN FL FINISHED FLOOR FIN GR FINISHED GRADE FL FLOOR, FLOW LINE FLA FOUL AIR FLD FILTER DRAIN FLE FILTER EFFLUENT FLEX FLEXIBLE FLG FLANGE, OR FLANGED FLR FILTER FM FORGE MAIN FND FOUNDATION FO FUEL OIL FOB FLAT ON BOTTOM FOT FLAT ON TOP</p>	<p>G</p> <p>GAS, GROUND, GUTTER GA GAUGE or GAGE GAL GALLONS GALV GALVANIZE(D) GAV GRAVITY VENTILATOR GB GRADE BREAK GBT GRAVITY BELT THICKENER GC GROOVED COUPLING GEL GRAVITY EXHAUST LOUVER GEN GENERAL, GENERATOR GL GLASS GLV GLOBE VALVE GM GAS METER GND GROUND GPD GALLONS PER DAY GPM GALLONS PER MINUTE GRA GRADE GRTG GRATING GRV GRAVITY VENTILATOR GSP GALVANIZED STEEL PIPE GV GATE VALVE GYP GYPSUM</p>	<p>H</p> <p>H EXPLOSION-PROOF, HIGH, HORIZONTAL H1E HOOK ONE END H2E HOOK TWO ENDS HAS HOSE ANCHOR STUD HB HOSE BIB HDPE HIGH DENSITY POLYETHYLENE HDW HARDWARE HDWL HEADWALL HGT HOOD EXHAUST FAN HORIZ HORIZONTAL HP HEAT PUMP, HORSEPOWER, HIGH PRESSURE HPA HIGH PRESSURE AIR HPT HIGH POINT HPU HEAT PUMP UNIT AIR HR HANDRAIL, HOSE REEL, HOUR HSF HOOD SUPPLY FAN HSS HOLLOW STRUCTURAL SECTION (STEEL) HTX HEAT EXCHANGER HW HOSE VALVE HWL HIGH WATER LEVEL HWR HOT WATER RETURN HWS HOT WATER SUPPLY HxW HEIGHT BY WIDTH HYD HYDRANT</p>	<p>I</p> <p>IA INSTRUMENT AIR ID INSIDE DIAMETER, INSIDE DIMENSION, IDENTIFICATION ID INSIDE FACE I.F. INCHES IN or " INCHES INCL INCLUDE, INCLUDING INF INFILTRANT INJ INJECTOR INSTR INSTRUMENTATION INSUL INSULATE(E)(D)(NG)(ON) INT INTERIOR INV INVERT IP IRON PIPE ISR INTRINSICALLY SAFE RELAY</p>	<p>J</p> <p>JST JOIST JT JOINT</p>	<p>K</p> <p>KGV KNIFE GATE VALVE</p>	<p>L</p> <p>L ANGLE (STRUCTURAL), LENGTH, LOUVER LAB LABORATORY LAV LAVATORY LB(S) POUND(S) LDF LIQUID DIESEL FUEL LDFR LIQUID DIESEL FUEL RETURN LF LINEAL FEET LG LONG LH LEFT HAND LHR LEFT HAND REVERSE LHRA LEFT HAND REVERSE ACTIVE LHRB LEFT HAND REVERSE BEVEL LL LIVE LOAD LLH LONG LEG HORIZONTAL LLV LONG LEG VERTICAL LP LOW PRESSURE LPA LOW PRESSURE AIR LPG LIQUIFIED PROPANE GAS LPT LOW POINT LR LONG RADIUS LS LAB SINK LT LEFT LWL LOW WATER LEVEL</p>	<p>M</p> <p>M MOTOR MAINT MAINTENANCE MAN MANUAL MASY MASONRY MATL MATERIAL MAU MAKE-UP AIR UNIT MAX MAXIMUM MB MACHINE BOLT</p>	<p>N</p> <p>N NORTH, NEUTRAL NA NOT APPLICABLE NC NORMALLY CLOSED NEV VALVE, NEEDLE NG NATURAL GRADE, NATURAL OR LP GAS NOT IN CONTRACT NO, # NUMBER NOM NOMINAL NPT NATIONAL PIPE THREAD NPW NON-POTABLE WATER NS NEAR SIDE NTS NOT TO SCALE</p>	<p>O</p> <p>O OPEN OBD OPPOSED BLADE DAMPER OC ON CENTER OD OUTSIDE DIAMETER, OUTSIDE DIMENSION OED OPEN EQUIPMENT DRAIN OF OUTSIDE FACE OFL OVERFLOW OPNG OPENING OPP OPPOSITE OPP HND OPPOSITE HAND OZ OUNCE</p>	<p>P</p> <p>P POLE PBL POLYMER BLENDER PC POINT OF CURVATURE PCC PLANT CONTROL CENTER PCCP PRESTRESSED CONCRETE CYLINDER PIPE PCP PROGRESSIVE CAVITY PUMP PD POSITIVE DISPLACEMENT, PLANT DRAIN PD, PLD PULSATION DAMPENER PPE POSITIVE DISPLACEMENT PUMP PE PLAIN END PERP PERPENDICULAR PG PRESSURE GAUGE PH PHASE, PHYSICALLY HANDICAPPED PIV POINT OF INTERSECTION PIV POST INDICATOR VALVE PL PLATE, PROPERTY LINE PLAS PLASTIC PLS PLACES PLS POLYMER SOLUTION PLWD PLYWOOD PMP PUMP PNL(S) PANEL(S) POL POLYMER POLY POLYETHYLENE POS POSITION POW POTABLE WATER PP POWER POLE PPMV PARTS PER MILLION (VOLUME) PRC POINT OF REVERSE CURVATURE PREFAB PREFABRICATED PRG PRESSURE REGULATOR PRI PRIMARY PROJ PROJECTION PRR PRESSURE OR VACUUM RELIEF VALVE PRV PRESSURE REDUCING VALVE, PRESSURE REGULATION VALVE, PRESSURE RELIEF VALVE PS PUMP STATION, PIPE SUPPORT PSF POUNDS PER SQUARE FOOT PSG PRESSURE GAUGE PSI POUNDS PER SQUARE INCH PSIG POUNDS PER SQUARE INCH GAUGE PT POINT, POINT OF TANGENCY PV PLUG VALVE PVC POINT OF VERTICAL CURVATURE, POLYVINYL CHLORIDE PVDF POLYVINYLIDENE FLUORIDE PVI POINT OF VERTICAL INTERSECTION PVMT PAVEMENT PVT POINT OF VERTICAL TANGENCY PLW PLANT WATER</p>	<p>Q</p> <p>QTY QUANTITY</p>	<p>R</p> <p>R/RW or R.O.W. RISER RAD RIGHT OF WAY RAD RADIUS, RADIAL RAS RETURN ACTIVATED SLUDGE RCP REINFORCED CONCRETE PIPE RCCP REINFORCED CONCRETE CYLINDER PIPE RD ROOF DRAIN RDL ROOF DRAIN LINE RDOF ROOF DRAIN OVERFLOW RECIRC RECIRCULATING RED REDUCER, ROOF EQUIPMENT DRAIN REF REFERENCE REG REGULATOR, REGULATING REINF REINFORCE(D)(ING)(MENT) REJ RUBBER EXPANSION JOINT REQD REQUIRED</p>	<p>S</p> <p>SW SIDEWALK S SOUTH, SWITCH, SLOPE SA SAMPLE SC SECONDARY CLARIFIER SCRB SCRUBBER SCD SMOKE CONTROL DAMPER SCFM STANDARD CUBIC FEET PER MINUTE SCH SCHEDULE SCO SURFACE CLEANOUT SCR BAR SCREEN SCR SILICON CONTROL RECTIFIER SD SMOKE DETECTOR, SPLITTER DAMPER, STORM DRAIN SDL SUMP DISCHARGE DRAIN LINE SDO SLUDGE DRAWWOFF SE SECONDARY EFFLUENT SEC SECONDARY, SECOND SECT SECTION SED SEDIMENTATION SEP SEPTAGE SF SUPPLY FAN SFW SOFTENED WATER SG SUPPLY GRILLE SGS STORE FRONT GLAZING SYSTEM SHD SHOWER DRAIN SHDR SOLIDS HANDLING-RECYCLE SHR SHOWER SHT SHEET SIM SIMILAR SK SKIMMINGS SL SLOPE, SLUDGE SLC SLUDGE COLLECTOR DRIVE SLG SLIDE GATE SLV SLEEVE VALVE SMP SAMPLER, SUMP PUMP SN SUPERNATANT OR SUBNATANT SOL SOLUTION SP STATIC PRESSURE, SET POINT SPD SUMP PUMP DRAIN SPDT SINGLE POLE DOUBLE THROW SPEC(S) SPECIFICATION(S) SPL SPLITTER BOX SPR SPARE SPS SAMPLE SINK SPW SAMPLE WATER SQ SQUARE SQ FT SQUARE FEET SQ IN(S) SQUARE INCHES SR SHORT RADIUS, SUPPLY REGISTER SRR SCRUBBER RECIRCULATION LIQUID (CAUSTIC) SS SANITARY SEWER, SELECTOR SWITCH SSK SERVICE SINK SSL SECONDARY SLUDGE SST STAINLESS STEEL ST SLUDGE TRANSFER STA STATION STB STABILIZER STD(S) STANDARDS(S) STIFF STIFFENER STIR STIRRUPS STL STEEL STM STEAM STP STEEL PIPE STR STRAINER STRUCT STRUCTURAL SUG SLUDGE GATE SUPT PIPE SUPPORT, SUPPORT SV SERVICE VALVE, SHUTOFF VALVE, SOLENOID VALVE SW SANITARY WASTE SWR SEAL WATER SYM SYMMETRICAL SYN SYNTHETIC</p>	<p>T</p> <p>T TANGENT LENGTH, THERMOSTAT, TIMER, TREAD T&B TOP AND BOTTOM TAS THREADED ANCHOR STUD TBM TEMPORARY BENCHMARK TCV TOP OF CURB TDH TEMPERATURE CONTROL VALVE TDR TOTAL DYNAMIC HEAD TEL TIME DELAY RELAY, TOWEL DISPENSER/RECEPTACLE TEL TELEPHONE TH TEST HOLE THK THICKENER, THICKNESS, THICK TKS THICKENED SLUDGE TLV TELESCOPING VALVE TMH TELEPHONE MANHOLE TMP TEMPERATURE TNK TANK T.O. TOP OF TOC TOP OF CONCRETE TOG TOP OF GRATING TOM TOP OF MASONRY TOS TOP OF STEEL</p>	<p>U</p> <p>UC UNDERCUT UG UNDERGROUND UHMWPE ULTRA HIGH MOLECULAR WEIGHT POLYETHYLENE UHMW ULTRA HIGH MOLECULAR WEIGHT UNO UNLESS NOTED OTHERWISE US UTILITY SINK</p>	<p>V</p> <p>V VALVE VAR VARIES VB VALVE BOX VCP VITRIFIED CLAY PIPE VEC VINYL ESTER COATING VERT VERTICAL VFR VOLUMETRIC FEEDER VG VACUUM GAUGE, VALLEY GUTTER VOL VOLUME VRV VACUUM REGULATING VALVE VTR VENT THROUGH ROOF</p>	<p>W</p> <p>W WEST, WIDTH W/ WITH W/O WITHOUT WAS WASTE ACTIVATED SLUDGE WCO WALL CLEANOUT WEF WALL EXHAUST FAN WF WALL FITTING, WASH FOUNTAIN WH WATER HEATER WI WEIGHT INDICATOR WL WALL LOUVER, WATER LEVEL WM WATER METER WOD WASTE OIL DRAIN WP WEATHERPROOF, WATERPROOF WPT WORKING POINT WRG WEIR GATE WRS WATER SOFTENER WS WATER SURFACE WSTP WATERSTOP WT WALK THROUGH, WEIGHT WTF WATER TREATMENT FACILITY WTP WATER TREATMENT PLANT WTR WATER WW WATER CONTROL VALVE WWW WASTEWATER WWF WELDED WIRE FABRIC WWTF WASTEWATER TREATMENT FACILITY WWTP WASTEWATER TREATMENT PLANT</p>	<p>Y</p> <p>Y WYE YCO YARD CLEANOUT YH YARD HYDRANT</p>	<p>T.O.W. TOP OF WALL TR TRIAD (THREE CONDUCTOR SHIELDED CABLE), TIMING RELAY TS THICKENER SUPERNATANT OR SUBNATANT TSD THICKENED SLUDGE DECANT TSPL TURBIDIMETER SAMPLE TSTAT THERMOSTAT TTB TELEPHONE TERMINAL BOARD TW TURNING VANES TV TURNING VANES TWV THREE-WAY VALVE TYP TYPICAL</p>

LAST SAVED BY: klgiz

REV	DATE	BY	DESCRIPTION

DESIGNED	CE
DRAWN	CE
CHECKED	CTA
DATE	MAY 2025



SNYDERVILLE BASIN WATER RECLAMATION DISTRICT

DEWATERING EQUIPMENT PREPURCHASE

GENERAL

ABBREVIATIONS

VERIFY SCALES	JOB NO. 204042
BAR IS ONE INCH ON ORIGINAL DRAWING	DRAWING NO. 00G04
0 1"	SHEET NO. 4 OF 42
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	

PIPING SCHEDULE											
FLOW STREAM IDENTIFIER	SERVICE	PIPE SIZE (1)	MATERIAL	PRESSURE CLASS/WALL THICKNESS	PIPE SPEC. SECTION	JOINTS/FITTINGS	LINING	COATING	TESTING		NOTES
									METHOD	PRESSURE (PSI)	
CA	COMPRESSED AIR										
	EXPOSED	2" AND LESS	BSP	SCH 40		SCRD, FL, GE			AM	150	
D	DRAINS										
	BURIED	ALL SIZES	PVC	SCH 40 DWV	15400	SW			GR		
	EXPOSED	ALL SIZES	PVC	SCH 40 DWV	15400	SW			GR		
PD	PROCESS DRAIN										
	EXPOSED	LESS THAN 4"	PVC	SCH 80	15249	SW/FL			LH	10	
	EXPOSED	4" AND LARGER	DIP	DIPRA 150	15211	FL/GE			LH	10	
POL	POLYMER										
	EXPOSED	ALL SIZES	PVC	SCH 80	15230	SW			HH	50	
UW	UTILITY WATER										
	EXPOSED	ALL SIZES	PVC	SCH 80	15249	SW/FL			HH	150	
V	VENT										
	EXPOSED	ALL SIZES	PVC	SCH 40 DWV	15400	SW/FL			GR		
WAS	WASTE ACTIVATED SLUDGE										
	EXPOSED	ALL SIZES	DIP	DIPRA 150	15211	FL or GE			HH	30	

NOTES:
 (1) NOMINAL DIAMETER (INCHES)

PIPE MATERIAL AND JOINT/FITTING ABBREVIATIONS:

BW BUTT WELD
 B&SP BELL AND SPIGOT
 BSP BLACK STEEL PIPE
 BF BARBED FITTING
 CF COMPRESSION FITTING
 CI CAST IRON
 CISP CAST IRON SOIL PIPE
 CL
 CM CEMENT MORTAR
 CTP COAL TAR PITCH
 DIP DUCTILE IRON PIPE
 DWV DRAIN, WASTE AND VENT
 FL FLANGE
 FRP FIBERGLASS PIPE
 GA GAUGE, PRECEDED BY THE DESIGNATION
 GE GROOVED END PIPE
 GSP GALVANIZED STEEL PIPE
 MJ MECHANICAL JOINT
 MDPE MEDIUM PRESSURE POLYETHENE
 NPS NOMINAL PIPE SIZE, FOLLOWED BY THE NUMBER IN INCHES
 PE POLYETHYLENE
 PTC PUSH-TO-CONNECT
 PVC POLYVINYL CHLORIDE
 R-B&SP RESTRAINED BELL AND SPIGOT
 RMJ RESTRAINED MECHANICAL JOINT
 RPVC REINFORCED POLYVINYL CHLORIDE TUBING
 SCH SCHEDULE, FOLLOWED BY THE DESIGNATION
 SCR D SCREWED-ON/THREADED
 SST STAINLESS STEEL
 SW SOLVENT WELD

LINING AND COATING ABBREVIATIONS:

ACR ACRYLIC COATING
 CM CEMENT MORTAR
 CP CARRIER PIPE
 EPP EPOXY POLYURETHANE COATING
 FA FIELD APPLIED COATING
 GC GEL COAT
 GL GLASS LINED
 HSE
 I INSULATED (ONLY)
 P PAINTED
 POL POLYETHYLENE LINED
 PE POLYETHYLENE-WRAPPED
 PEE POLYETHYLENE ENCASEMENT
 PVC POLYVINYL CHLORIDE
 CE CERAMIC EPOXY
 CT COAL TAR ENAMEL
 CTX COAL TAR EPOXY
 TW TAPE WRAPPED
 FP FLUOROPOLYMER
 R RUBBER LINING
 EPX EPOXY LINED

TEST PRESSURE METHOD:

AM AIR METHOD
 GR GRAVITY METHOD
 HH HIGH HEAD METHOD
 LH LOW HEAD METHOD
 SC SPECIAL CASE

LAST SAVED BY: rleitz

REV	DATE	BY	DESCRIPTION

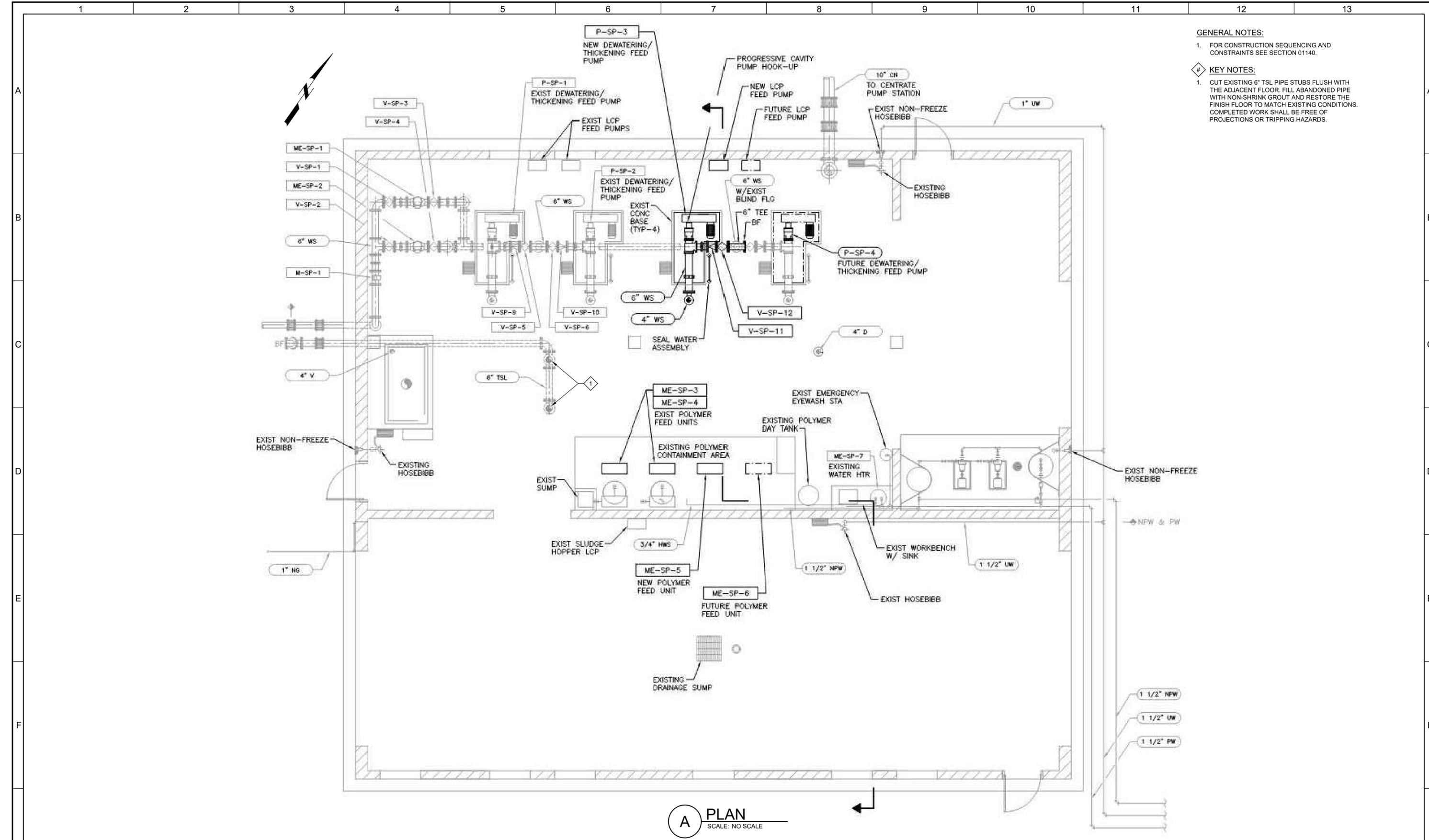
DESIGNED
EA
 DRAWN
TJD
 CHECKED
CTA
 DATE
MAY 2025



SNYDERVILLE BASIN WATER RECLAMATION DISTRICT
 DEWATERING EQUIPMENT PREPURCHASE
 GENERAL
 PIPE SCHEDULE

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

JOB NO.
204042
 DRAWING NO.
00G05
 SHEET NO.
5 OF 42



- GENERAL NOTES:**
- FOR CONSTRUCTION SEQUENCING AND CONSTRAINTS SEE SECTION 01140.
- KEY NOTES:**
- CUT EXISTING 6" TSL PIPE STUBS FLUSH WITH THE ADJACENT FLOOR. FILL ABANDONED PIPE WITH NON-SHRINK GROUT AND RESTORE THE FINISH FLOOR TO MATCH EXISTING CONDITIONS. COMPLETED WORK SHALL BE FREE OF PROJECTIONS OR TRIPPING HAZARDS.

A PLAN
SCALE: NO SCALE

REV	DATE	BY	DESCRIPTION

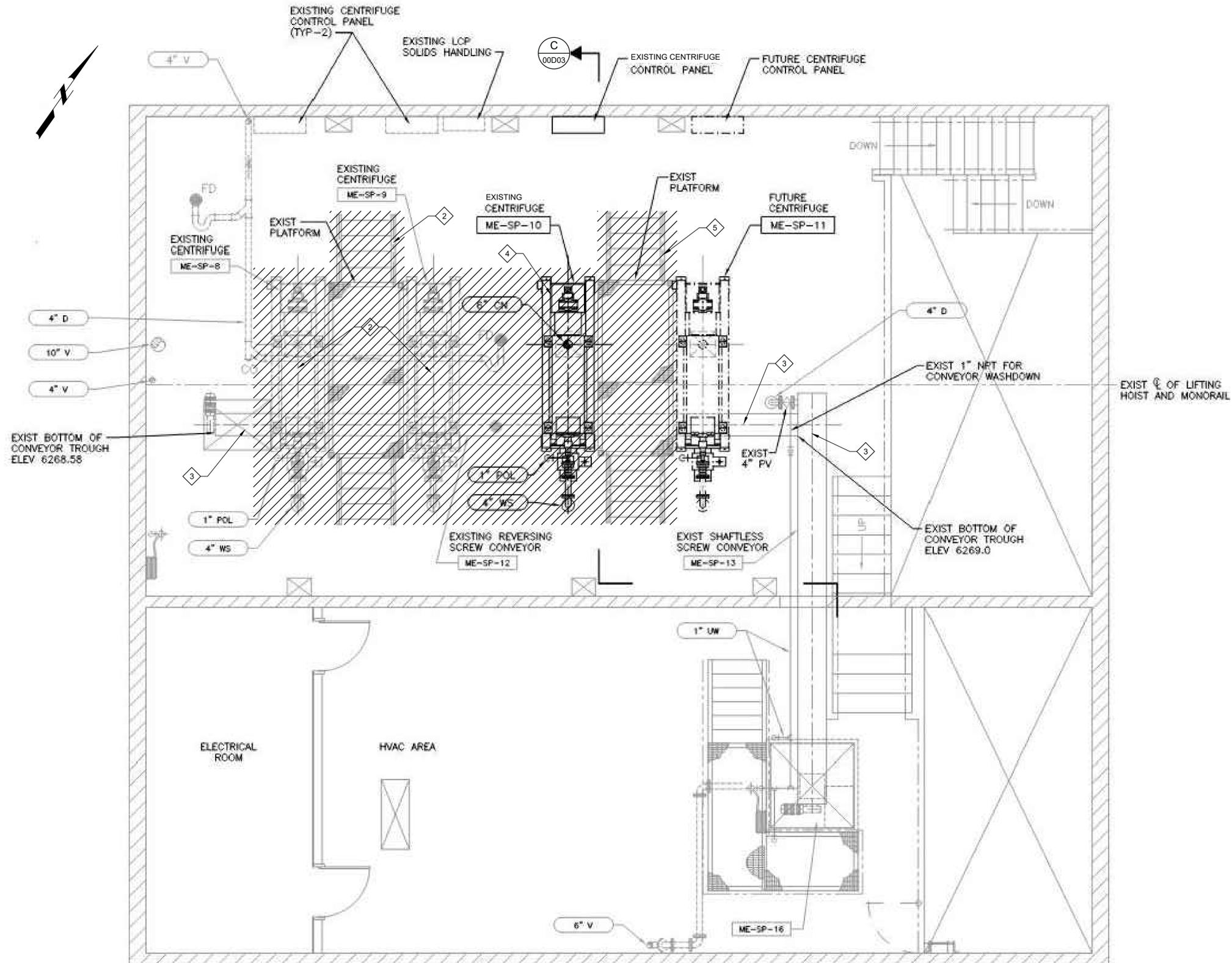
DESIGNED
EAR
DRAWN
DCS
CHECKED
CTA
DATE
MAY 2025



SNYDERVILLE BASIN WATER RECLAMATION DISTRICT
DEWATERING EQUIPMENT PREPURCHASE
DEMOLITION
SOLIDS PROCESS BUILDING
LOWER PLAN

VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING 0 1" IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	JOB NO. 204042 DRAWING NO. 00D01 SHEET NO. 6 OF 42
--	---

LAST SAVED BY: rdeliez

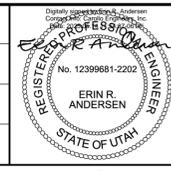


- GENERAL NOTES:**
- FOR CONSTRUCTION SEQUENCING AND CONSTRAINTS SEE SECTION 01140.
- KEY NOTES:**
- REMOVE CENTRIFUGE NO. 1 AND 2 WITH ASSOCIATED SLUDGE FEED, POLYMER AND DRAIN PIPING.
 - REMOVE EXISTING PLATFORM AND STAIRS.
 - EXISTING SLUDGE CONVEYOR SHALL REMAIN IN PLACE AND OPERATIONAL THROUGH THE DURATION OF THE PROJECT.
 - FOLLOWING THE INSTALLATION AND COMMISSIONING OF ONE NEW ROTARY PRESS DEWATERING SYSTEMS, REMOVE CENTRIFUGE NO. 3 AND ASSOCIATED SLUDGE FEED, POLYMER AND DRAIN PIPING.
 - FOLLOWING THE INSTALLATION AND COMMISSIONING OF ONE NEW ROTARY PRESS DEWATERING SYSTEMS, REMOVE EAST ACCESS PLATFORM AND STAIRS.

B PLAN
SCALE: NO SCALE

REV	DATE	BY	DESCRIPTION

DESIGNED
EAR
DRAWN
DCS
CHECKED
CTA
DATE
MAY 2025



SNYDERVILLE BASIN WATER RECLAMATION DISTRICT
DEWATERING EQUIPMENT PREPURCHASE
DEMOLITION
SOLIDS PROCESS BUILDING
UPPER PLAN

VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING 0 1" IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	JOB NO. 204042 DRAWING NO. 00D02 SHEET NO. 7 OF 42
--	---

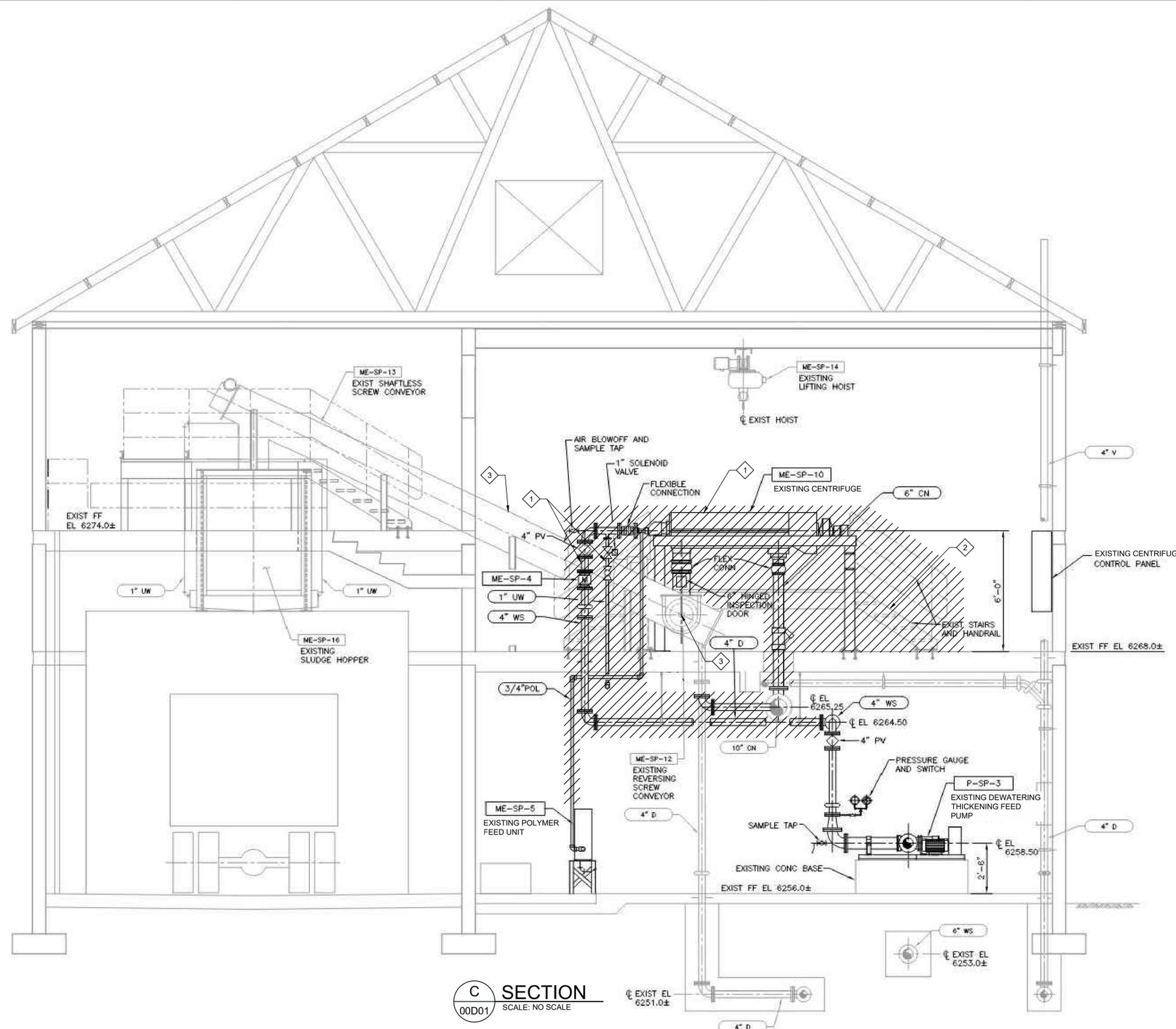
LAST SAVED BY: rdeitz

GENERAL NOTES:

- FOR CONSTRUCTION SEQUENCING AND CONSTRAINTS SEE SECTION 01140.

KEY NOTES:

- REMOVE EXISTING CENTRIFUGE DEWATERING EQUIPMENT AND ASSOCIATED SLUDGE FEED PIPING, POLYMER PIPING AND 6" DRAIN PIPING.
- REMOVE EXISTING PLATFORM AND STAIRS.
- EXISTING SLUDGE CONVEYOR SHALL REMAIN IN PLACE AND OPERATIONAL THROUGH THE DURATION OF THE PROJECT.

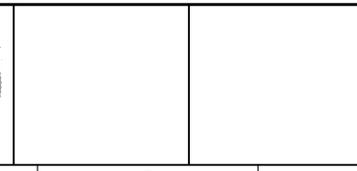


C SECTION
00D01 SCALE: NO SCALE

LAST SAVED BY: fdeitz

REV	DATE	BY	DESCRIPTION

DESIGNED EAR	
DRAWN DCS	
CHECKED CTA	
DATE MAY 2025	



SNYDERVILLE BASIN WATER RECLAMATION DISTRICT
DEWATERING EQUIPMENT PREPURCHASE
DEMOLITION
SOLIDS PROCESS BUILDING
SECTION

VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING 0 1" IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	JOB NO. 204042 DRAWING NO. 00D03 SHEET NO. 8 OF 42
--	---

- SEE DIVISION 03 SPECIFICATION FOR REQUIREMENTS FOR CONCRETE CONSTRUCTION.
- UNLESS OTHERWISE INDICATED ON THE DRAWINGS, MINIMUM REINFORCEMENT OF CONCRETE WALLS OR SLABS SHALL BE AS FOLLOWS. CONTACT ENGINEER FOR LOCATIONS INSIDE CONCRETE.
 - 10' THICK OR LESS: #5 @ 12" EACH WAY.
 - MORE THAN 10' THICK: #5 @ 12" EACH WAY, EACH FACE.
- WALL REINFORCEMENT AT CORNERS OR JUNCTIONS OF WALLS SHALL BE CONTINUOUS, LAP SPLICED, OR TERMINATED IN AN ACI STANDARD 90 DEGREE HOOK. SEE DETAIL SC310/TYP.
- UNLESS OTHERWISE INDICATED ON THE DRAWINGS, DOWELS BETWEEN ADJACENT CONCRETE PLACEMENTS SHALL BE THE SAME SIZE AND SPACING AS THE REINFORCEMENT WHICH IS SPLICED TO THE DOWELS.
- SLAB, BEAM AND COLUMN REINFORCING BARS SHALL HAVE A MINIMUM EXTENSION OR ANCHORAGE INTO SUPPORTS IN ACCORDANCE WITH ACI 318 AND ACI 350.
- PROVIDE STIRRUP SUPPORT BARS SHALL BE TO SECURE TOP BARS AGAINST DISPLACEMENT AS REQUIRED.
- UNLESS OTHERWISE INDICATED ON THE DRAWINGS, CONCRETE COVER OVER #11 AND SMALLER REINFORCING BARS SHALL BE AS FOLLOWS:
 - A. SLABS AND JOISTS:
 - FORMED CONCRETE SURFACES AND UNFORMED TOP SURFACES FOR DRY CONDITIONS
 - #7 BARS AND SMALLER: 1"
 - #8 BARS AND LARGER: 1 1/2"
 - FORMED CONCRETE SURFACES AND UNFORMED TOP SURFACES EXPOSED TO WEATHER, IN CONTACT WITH SOIL OR FLUIDS, OR LOCATED OVER FLUIDS: 2"
 - B. BEAMS AND COLUMNS:
 - FORMED CONCRETE SURFACES FOR DRY CONDITIONS: STIRRUPS, SPIRALS, AND TIES: 1 1/2"
 - PRINCIPAL REINFORCEMENT: 2"
 - FORMED CONCRETE SURFACES EXPOSED TO WEATHER, IN CONTACT WITH SOIL OR FLUIDS, OR IN BEAMS LOCATED OVER FLUIDS: STIRRUPS AND TIES: 2"
 - PRINCIPAL REINFORCEMENT: 2 1/2"
 - C. WALLS:
 - FORMED CONCRETE SURFACES FOR DRY CONDITIONS: #7 BARS AND SMALLER: 1"
 - #8 BARS AND LARGER: 1 1/2"
 - FORMED CONCRETE SURFACES EXPOSED TO WEATHER, OR IN CONTACT WITH SOIL OR FLUIDS: 2"

SC001 REINFORCED CONCRETE - NOTES
TYP

SHEET 1 OF 3 12/18/2023

- FOOTINGS AND SLABS ON GRADE:
 - FORMED VERTICAL CONCRETE SURFACES: 2"
 - AT UNFORMED CONCRETE SURFACES CAST AGAINST SOIL, ROCK, OR CONCRETE WORK MATS: 3"
 - TOP SURFACE OF FOOTINGS AND SLABS: SAME AS SLABS
- WATERSTOPS:
 - A. PROVIDE WATERSTOPS AT JOINTS IN SLABS AND WALLS OF LIQUID-CONTAINING STRUCTURES, AND PORTIONS OF STRUCTURES BELOW THE DESIGN GROUNDWATER LEVEL. MAKE WATERSTOPS CONTINUOUS THROUGH STRUCTURE, SPLICING WATERSTOPS IN SLABS WITH WATERSTOPS IN WALLS.
 - B. END WATERSTOPS 3" BELOW TOP OF WALLS. WHERE TOP OF WALL IS COVERED BY A SLAB WITHOUT WATERSTOPS, CONTINUE WATERSTOP TO WALL/SLAB JOINT. WHERE TOP OF WALL IS COVERED BY A SLAB WITH WATERSTOPS, MAKE WATERSTOPS CONTINUOUS, SPLICING WATERSTOPS IN WALLS WITH WATERSTOPS IN SLAB.
- CURE CONCRETE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. WHERE WATER CURING IS SPECIFIED, MEMBRANE CURING IS NOT ALLOWED.
 - A. THE CONTRACTOR IS WARNED THAT WATER CURING IS DIFFICULT AT TIMES DUE TO WIND AND DRY CONDITIONS. STUDY SPECIFICATION REQUIREMENTS AND FURNISH ADEQUATE SYSTEMS TO PROVIDE WATER CURING WHERE REQUIRED.
 - B. KEEP WATER CURED SURFACES VISIBLY MOIST AT ALL TIMES. FLOOD TOPS OF WALLS NOT LESS THAN 3 TIMES DAILY.
- DO NOT PLACE BACKFILL AGAINST WALLS UNTIL:
 - A. WALLS HAVE BEEN CAST TO FULL HEIGHT OF STRUCTURE AND CONCRETE HAS REACHED THE MINIMUM SPECIFIED COMPRESSIVE STRENGTH (fc).
 - B. CONNECTING SLABS AND BEAMS HAVE BEEN CAST AND CONCRETE IN THOSE ELEMENTS HAS REACHED THE MINIMUM SPECIFIED COMPRESSIVE STRENGTH (fc).
- LAP SPLICES:
 - A. SEE TABLE 1 OF THIS DETAIL FOR LAP SPlice LENGTHS.
 - B. WHEN MULTIPLE BARS ARE SPLICED AT THE SAME SECTION, THE "CLEAR BAR SPACING" IS DEFINED AS THE MINIMUM CLEAR DISTANCE BETWEEN THE BARS OUTSIDE THE SPlice LENGTH MINUS ONE BAR DIAMETER.
 - C. UNLESS OTHERWISE INDICATED ON THE DRAWINGS, BARS AT A LAP SPlice SHALL BE IN CONTACT WITH EACH OTHER.
 - D. "TOP BARS" ARE HORIZONTAL REINFORCEMENT AT LOCATIONS WHERE MORE THAN 12 INCHES OF FRESH CONCRETE IS CAST IN THE MEMBER BELOW THE BAR.
- FORM EXPOSED CONCRETE CORNERS AND EDGES WITH 3/4" CHAMFER UNLESS OTHERWISE INDICATED ON THE DRAWINGS.

SC001 REINFORCED CONCRETE - NOTES
TYP

SHEET 2 OF 3 12/18/2023

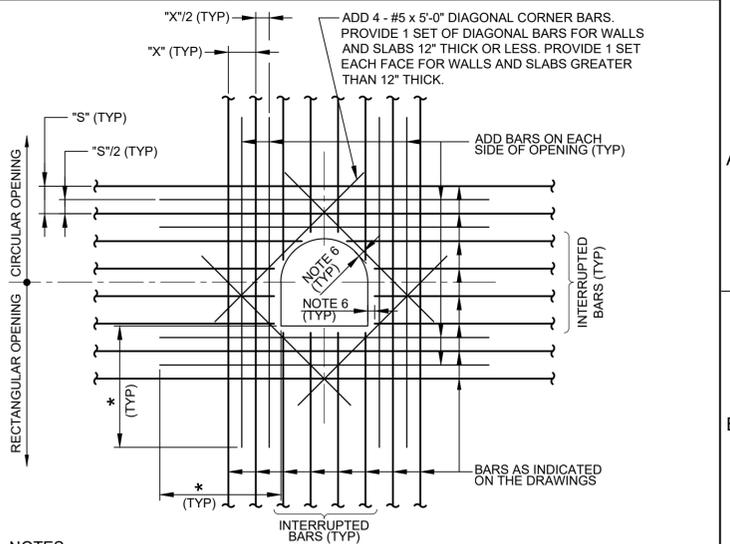
TABLE 1: REINFORCING BAR LAP SPLICES: fc = 4000 PSI, Fy = 60,000 PSI

BAR SIZE	MINIMUM COVER (BAR DIA)	MINIMUM CLEAR BAR SPACING (BAR DIA)	LAP SPlice LENGTH (INCHES)	
			TOP BARS	OTHER BARS
#4	MORE THAN 1	MORE THAN 2	32 *	25 *
	MORE THAN 2	MORE THAN 4	20	16
#5	MORE THAN 1	MORE THAN 2	40 *	31 *
	MORE THAN 2	MORE THAN 4	26	20
#6	MORE THAN 1	MORE THAN 2	48 *	37 *
	MORE THAN 2	MORE THAN 4	30	24
#7	MORE THAN 1	MORE THAN 2	70 *	54 *
	MORE THAN 2	MORE THAN 4	43	33
#8	MORE THAN 1	MORE THAN 2	81 *	62 *
	MORE THAN 2	MORE THAN 4	50	38
#9	MORE THAN 1	MORE THAN 2	90 *	70 *
	MORE THAN 2	MORE THAN 4	56	42
#10	MORE THAN 1	MORE THAN 2	104 *	81 *
	MORE THAN 2	MORE THAN 4	62	48
#11	MORE THAN 1	MORE THAN 2	114 *	88 *
	MORE THAN 2	MORE THAN 4	69	54

- REINFORCING BAR LAP SPlice TABLE NOTES:
- TABULATED SPlice LENGTHS ARE APPLICABLE ONLY WHEN BOTH REQUIREMENTS FOR MINIMUM COVER AND FOR MINIMUM CLEAR BAR SPACING ARE SATISFIED.
 - * = IF THE CLEAR BAR SPACING IS LESS THAN OR EQUAL TO TWO BAR DIAMETERS, OR THE COVER IS LESS THAN OR EQUAL TO ONE BAR DIAMETER, THE LAP SPlice LENGTH SHALL BE INCREASED BY 50 PERCENT.

SC001 REINFORCED CONCRETE - NOTES
TYP

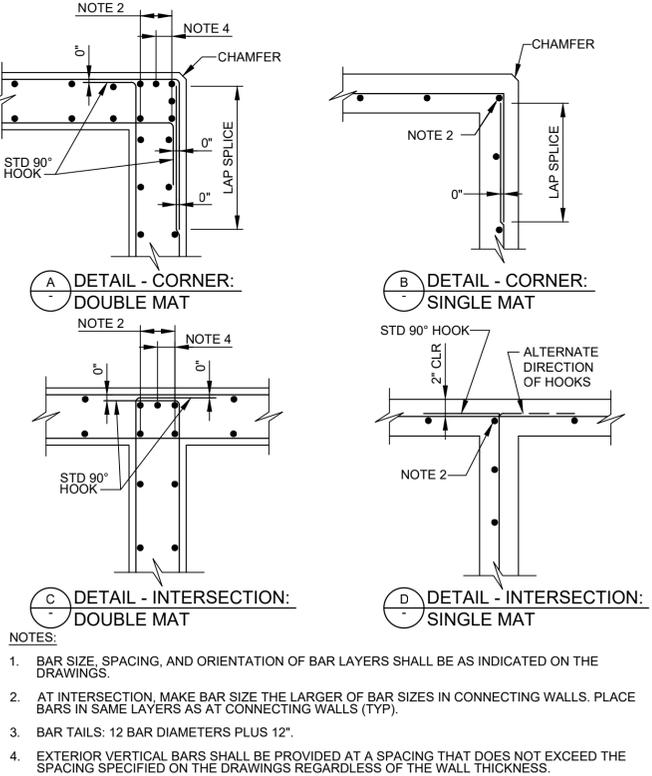
SHEET 3 OF 3 12/18/2023



- NOTES:
- AREA OF ADD BARS AT EACH EDGE OF OPENING IN EACH DIRECTION SHALL BE EQUAL TO OR GREATER THAN 1/2 THE CROSS SECTIONAL AREA OF THE INTERRUPTED BARS.
 - PROVIDE STANDARD ACI HOOKS ON BARS IF STRAIGHT EXTENSION PAST THE OPENING, CANNOT BE ACHIEVED.
 - PLACE ADD BARS IN SAME PLANES AS INTERRUPTED REINFORCING.
 - PLACE #5 DIAGONAL BARS ON INSIDE OF INTERRUPTED REINFORCING.
 - * DIMENSION EQUALS OPENING DIMENSION MEASURED PERPENDICULAR TO ADD BARS PLUS LAP SPlice LENGTH.
 - 2" CLEAR TO CONCRETE OPENINGS OR OUTSIDE FACE OF PIPES AND PIPE SLEEVES. DO NOT OVERCUT REINFORCEMENT FOR EASIER PLACEMENT OF WEEP RINGS AND FLANGES.
 - ADD BARS ARE NOT REQUIRED AT SIDES OF OPENINGS PARALLEL TO AND WITHIN 6" OF A WALL OR BEAM.

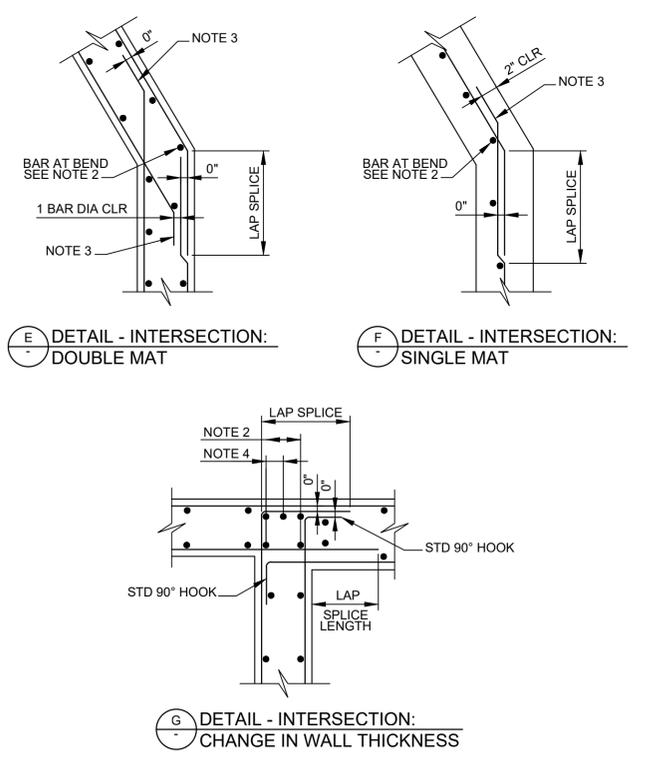
SC012 CONCRETE - REINFORCEMENT - ADDITIONAL REINF AT OPENINGS - SLABS AND WALLS
TYP

12/18/2023



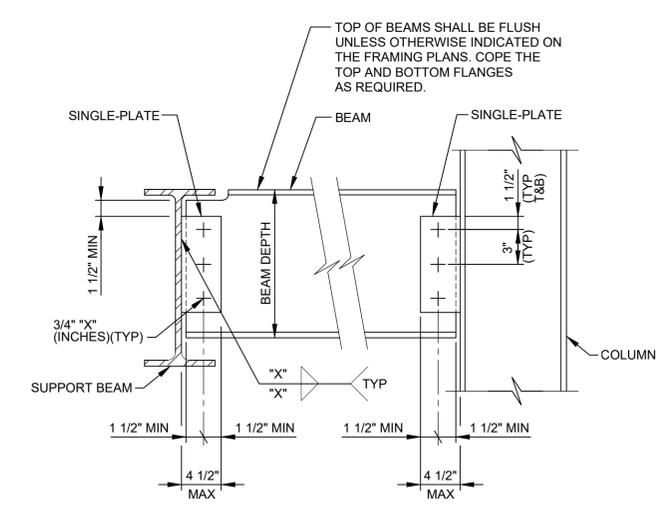
SC310 CONCRETE - REINFORCEMENT - WALL CORNERS AND INTERSECTIONS
TYP

SHEET 1 OF 2 12/18/2023



SC310 CONCRETE - REINFORCEMENT - WALL CORNERS AND INTERSECTIONS
TYP

SHEET 2 OF 2 12/18/2023



BEAM DEPTH (INCHES)	NUMBER OF BOLTS PER PLATE	PLATE THICKNESS (INCHES)	FILLET WELD SIZE "X" (INCHES)
8-10	2	1/4	3/16
12-16	3	1/4	3/16
18-21	5	3/8	5/16
24-30	7	3/8	5/16

- NOTE:
- SCHEDULE APPLIES TO ALL BEAMS UNLESS NUMBER OF BOLTS PER LEG IS OTHERWISE INDICATED ON THE FRAMING PLAN BY # WHERE NUMBER INSIDE SYMBOL = NUMBER OF BOLTS.
 - PROVIDE HORIZONTAL SHORT SLOTTED HOLES IN BEAM WEB AT ONE END.

SH601 STEEL - CONNECTION - W BM TO W BM / COL SHEAR TAB - BEAM BOLTED / SUPPT WELDED
TYP

01/30/2025

LAST SAVED BY: briez

REV	DATE	BY	DESCRIPTION

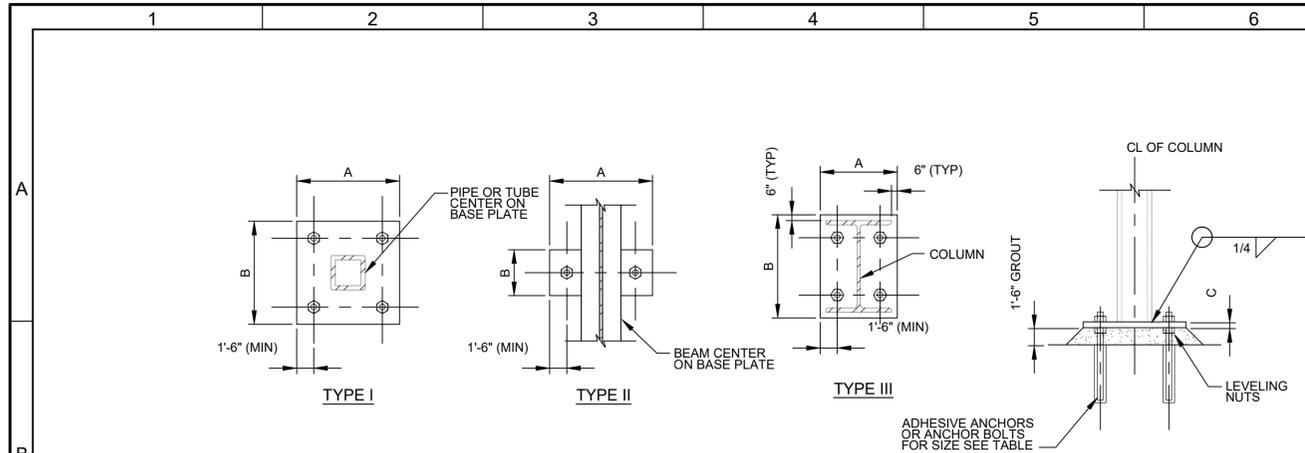
DESIGNED CE
DRAWN CE
CHECKED JMY
DATE MAY 2025

D. CRAIG BRINCK
No. 7882644-2203
PROFESSIONAL ENGINEER
STATE OF UTAH



SNYDERVILLE BASIN WATER RECLAMATION DISTRICT
DEWATERING EQUIPMENT PREPURCHASE
TYPICAL DETAILS
STRUCTURAL 1

VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING 0 1"	JOB NO. 204042 DRAWING NO. 00TS01 SHEET NO. 10 OF 42
--	--

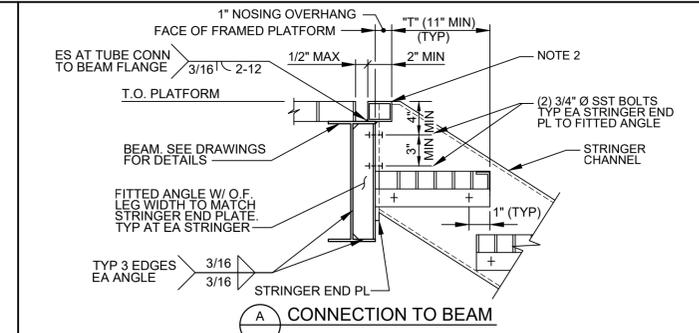


BASE PLATE	BASE PLATE TYPE	BASE PLATE A" x B" x C"	BOLTS				COMMENTS
			MAT	NUMBER	DIA	EMBED	
B1	I	11"X11"X5/8"	STL	4	3/4	8	

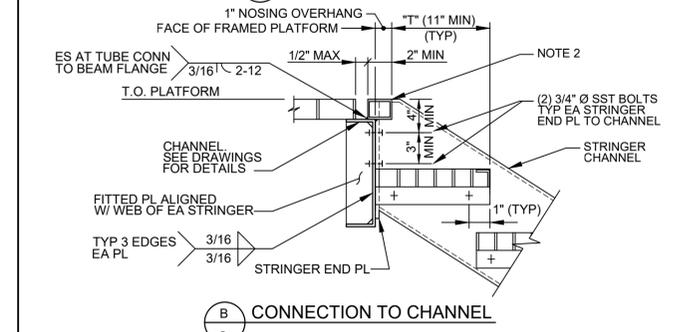
SH901 COLUMN BASE PLATE
TYP

04/22/2025

- NOTES:
- SEE DRAWINGS FOR DIMENSIONS "H", "L", "R", "T" AND "W".
 - SEE DETAIL SR401/TYP FOR GUARDRAIL NOTES AND DETAIL SR416/TYP FOR GUARDRAIL DETAILS.
 - COAT ALUMINUM SURFACES IN CONTACT WITH CONCRETE, AND INSTALL ISOLATION SLEEVES AND WASHERS BETWEEN DISSIMILAR METALS AS SPECIFIED.
 - PROVIDE HANDRAIL EXTENSIONS AS SHOWN AT BOTH SIDES OF STAIR, UNLESS HANDRAIL IS CONTINUOUS (AS AT SWITCHBACK STAIR).
 - AT EXTERIOR STAIRS, PROVIDE CONCRETE SLAB ON GRADE UNLESS OTHERWISE INDICATED ON THE DRAWINGS. MINIMUM CONCRETE SLAB WIDTH = STAIR CLEAR WIDTH ("W") PLUS 2'-0" (12" EACH SIDE). EDGE TOP CORNERS OF SLAB TO 1/4" RADIUS.
 - ABRASIVE STAIR NOSING: PROVIDE 2" CLEAR BETWEEN END OF STAIR NOSING AND VERTICAL/INSIDE FACE OF STAIR STRINGER. TOOL A GROOVE, 1/8" WIDE BY FULL WIDTH AND THICKNESS OF NOSING AT EACH END OF NOSING. CONTINUE TOoled JOINT DOWN VERTICAL FACE OF NOSING AT RISER. FILL TOoled GROOVE WITH SYNTHETIC RUBBER SEALING COMPOUND.
 - INSTALL CONCRETE ANCHORS MINIMUM 6" FROM BOTTOM AND 6" FROM SIDES/EDGES OF CONCRETE.
 - CONNECTION TO CONCRETE SHOWN. SEE DETAIL SR250/TYP FOR CONNECTION AT METAL FRAMING.



SR250 CONNECTION TO BEAM

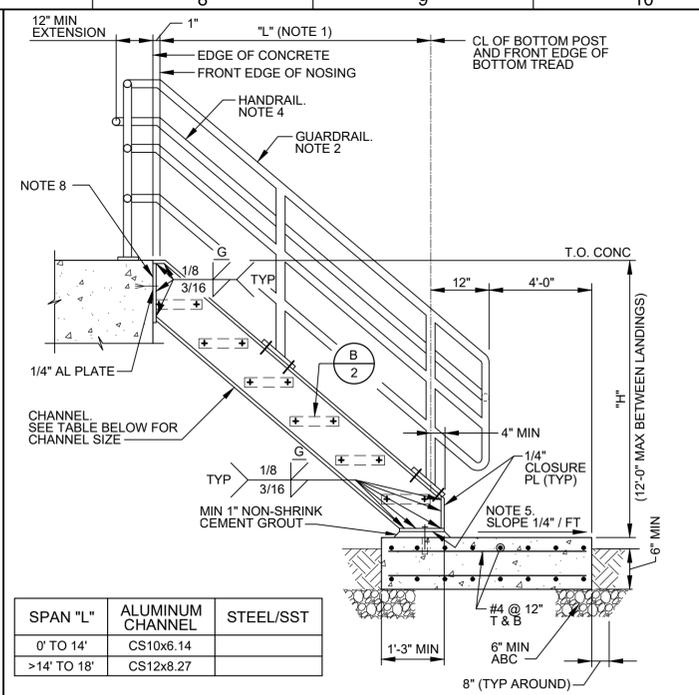


SR250 CONNECTION TO CHANNEL

- NOTES:
- INSTALL ISOLATION SLEEVES AND DIELECTRIC BREAKS BETWEEN DISSIMILAR METALS. SEE SPECIFICATIONS.
 - TUBE NOSING: TUBE LENGTH = WIDTH BETWEEN STRINGER CHANNELS MINUS 1/2" EACH END ("W"-1"). WELD TO TOP AND VERTICAL FACE OF BEAM OR CHANNEL. CAP ENDS. COAT TOP AND VERTICAL OUTSIDE FACE OF TUBE WITH NON-SLIP ABRASIVE.

SR244 STAIR - RISER TOP - 3 RAIL GUARDRAIL
TYP

SHEET 3 OF 3 09/11/2024

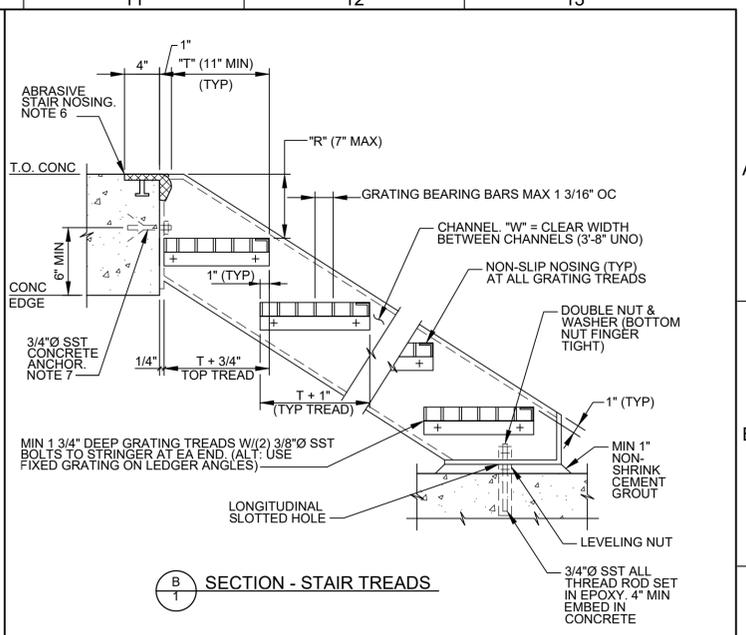


SR244 ELEVATION - STAIRS
ALUMINUM STAIR & GUARDRAIL UNLESS OTHERWISE NOTED

SPAN "L"	ALUMINUM CHANNEL	STEEL/SST
0' TO 14'	CS10x6.14	
>14' TO 18'	CS12x8.27	

SR244 STAIR - RISER TOP - 3 RAIL GUARDRAIL
TYP

SHEET 1 OF 3 09/11/2024



SR244 SECTION - STAIR TREADS

SR244 STAIR - RISER TOP - 3 RAIL GUARDRAIL
TYP

SHEET 2 OF 3 09/11/2024

- NOTES:
- PROVIDE GUARDRAILS AT STAIRS AND AT OPEN SIDED WALKING SURFACES THAT ARE ELEVATED MORE THAN 30" ABOVE GRADE OR ADJACENT CONSTRUCTION.
 - WHERE EQUIPMENT IS LOCATED LESS THAN 10' FROM EDGE OF ROOF AND ELEVATED MORE THAN 30" ABOVE GRADE OR ADJACENT CONSTRUCTION, PROVIDE 42" HIGH GUARDRAIL FORMING A PROTECTIVE BARRIER. PARAPET WALL 42" OR MORE IN HEIGHT MAY BE THE GUARDRAIL AT ROOF LOCATIONS.
 - SEE DRAWINGS AND SPECIFICATIONS FOR GUARDRAIL MATERIAL TYPE(S).
 - PROVIDE HANDRAIL AT BOTH SIDES OF EVERY STAIR HAVING 2 OR MORE RISERS.
 - PROVIDE CONTINUOUS HANDRAIL GRIPPING SURFACES FOR THE FULL LENGTH OF THE STAIR.
 - PROVIDE HANDRAIL EXTENSIONS AT BOTH SIDES OF STAIRS AT TOP AND BOTTOM. HANDRAIL EXTENSION ON STAIR MOUNTED GUARDRAIL MAY BE OMITTED WHERE IT IS PERPENDICULAR TO AND IMPEDES EXIT FLOW.
 - MAKE INSIDE HANDRAIL ON SWITCHBACK STAIRS CONTINUOUS.
 - FOR WALL MOUNTED HANDRAILS, PROVIDE SINGLE RAIL WITH TOP OF RAIL AT 2'-10" HEIGHT ABOVE LANDINGS OR TREAD NOSINGS. PROVIDE MATCHING HANDRAIL ON OPPOSITE SIDE.
 - GUARDRAIL SHALL BE FIXED UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
 - PLACE GUARDRAIL POSTS OPPOSITE EACH OTHER WHERE RAILINGS ARE PARALLEL.
 - FOR GUARDRAIL POSTS MOUNTED TO BEAM OR STAIR CHANNEL, PROVIDE MANUFACTURERS REINFORCED CONNECTION FROM POST TO PLATE. PLATE AND REINFORCED INSERTS SHALL BE ALUMINUM OR STAINLESS STEEL.
 - PROVIDE SLIDING JOINTS AT 24' MAX SPACING FOR EXPANSION OF RAIL AND KICKPLATE. LOCATE SLIDING JOINTS NEAR FACE OF POST. GAP AT TIME OF INSTALLATION SHALL BE BASED ON TEMPERATURE OF GUARDRAIL. PROVIDE 1/4" GAP AT 100°F AND 5/8" GAP AT 0°F. INTERPOLATE GAP FOR OTHER INSTALLATION TEMPERATURES. AT CONCRETE EXPANSION JOINTS, PROVIDE MINIMUM 1" GAP IN SLIDING JOINTS BUT NOT LESS THAN WIDTH OF CONCRETE EXPANSION JOINT. MAKE INSERT SLEEVES IN RAILS LONG ENOUGH TO ALLOW FOR THE FULL RANGE OF MOVEMENT.
 - MATERIAL FOR KICKPLATE CHANNEL SLIDING JOINT PLATES, SHALL BE OF THE SAME MATERIAL AS THE GUARDRAIL.
 - JOINTS FOR WELDED STAINLESS STEEL GUARDRAIL AND HANDRAIL SHALL BE COPED, WELDED, AND GROUND SMOOTH.
 - PROVIDE KICKPLATE AT ALL LOCATIONS EXCEPT AT SLOPING GUARDRAIL ON STAIRS AND WHERE GUARDRAIL IS MOUNTED ON A 4" MIN CURB. KICKPLATE MAY BE EXTRUDED OR BENT PLATE AND SHALL BE ATTACHED WITH SST BOLTS IN 5/16" x 3/4" SLOTTED HOLES. BOLT KICKPLATE TO POST WITH BOTTOM 1/4" CLEAR ABOVE FLOOR. FOR SIDE MOUNTED GUARDRAIL, PROVIDE STANDARD SPACER BLOCK BETWEEN POST AND KICKPLATE TO MAINTAIN 1/4" MAX CLEAR SPACING. HAND TIGHTEN AND CENTER PUNCH BOLT THREADS TO LOCK.
 - COAT ALUMINUM SURFACES IN CONTACT WITH CONCRETE AS SPECIFIED. PROVIDE NEOPRENE GASKET BETWEEN ALUMINUM AND STEEL.

SR401 GUARDRAILS & HANDRAILS - NOTES
TYP

09/25/2024

REV	DATE	BY	DESCRIPTION
1			
2			
3			

DESIGNED CE
DRAWN CE
CHECKED JMY
DATE MAY 2025

D. CRAIG BRINCK
PROFESSIONAL ENGINEER
STATE OF UTAH
No. 7882644-2203

carollo

SBWRD

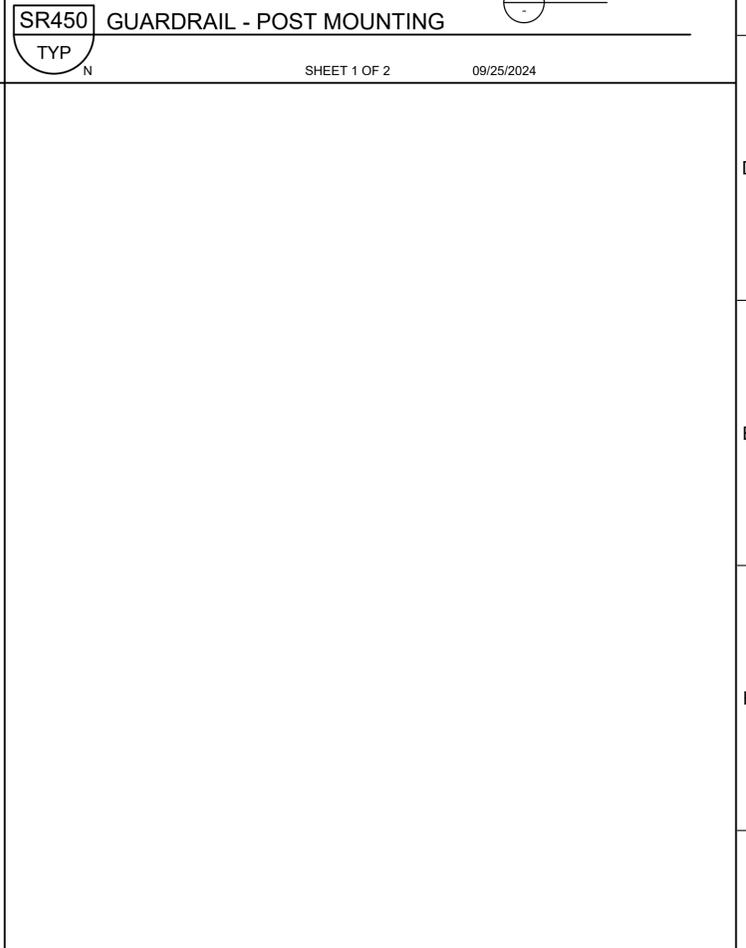
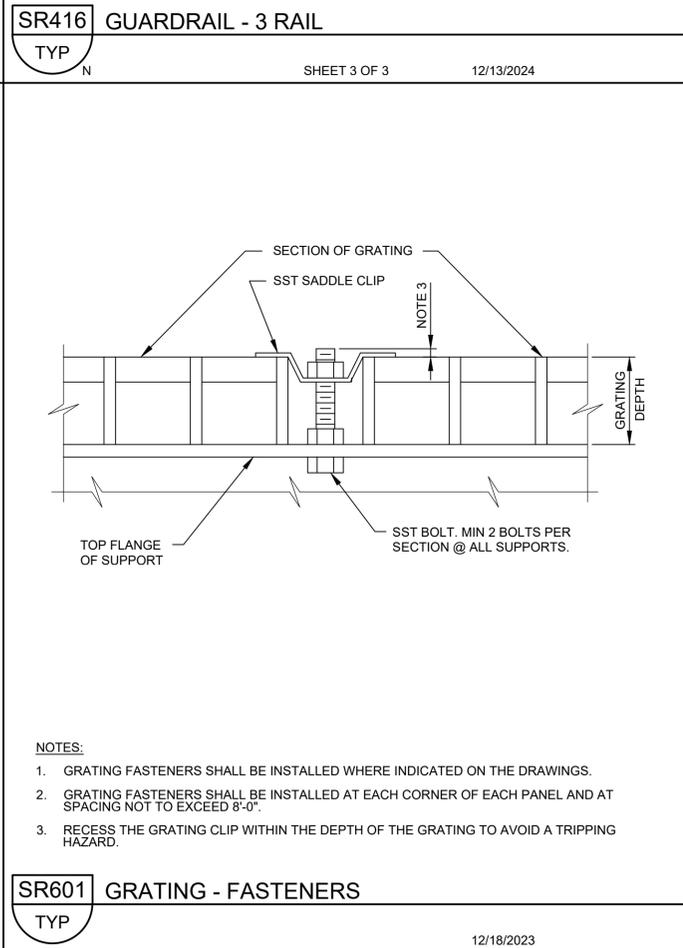
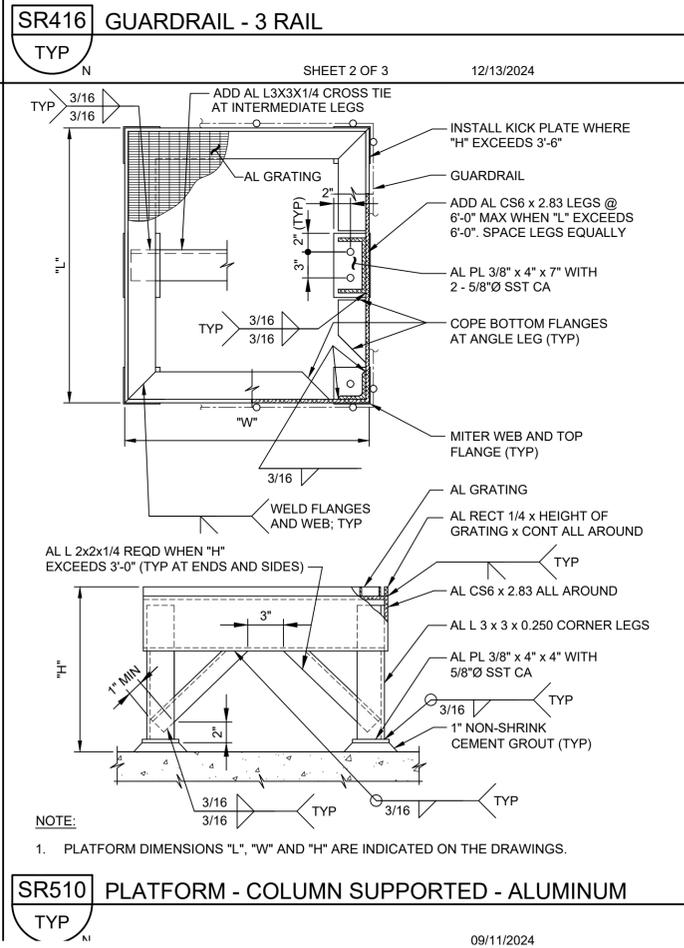
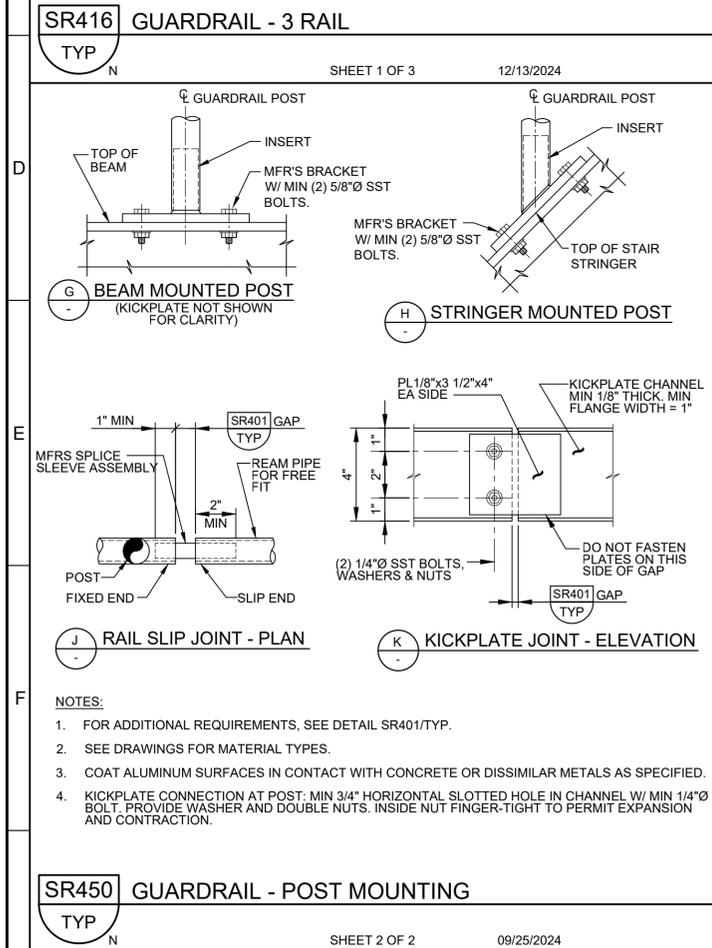
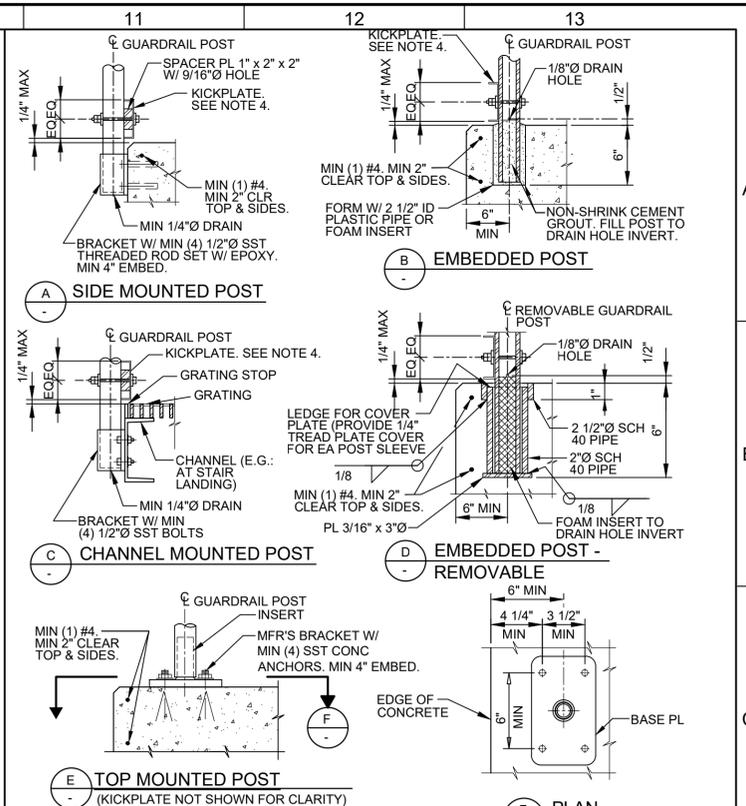
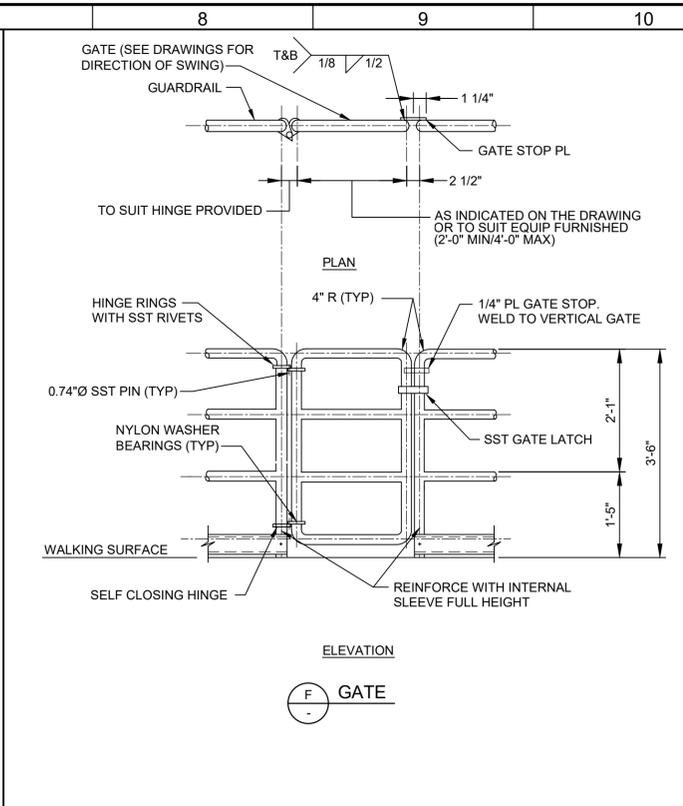
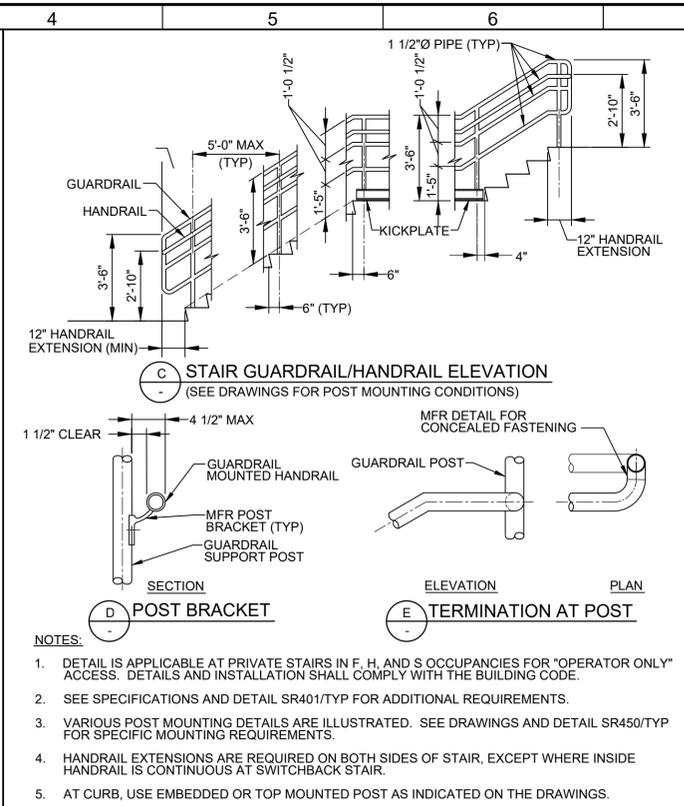
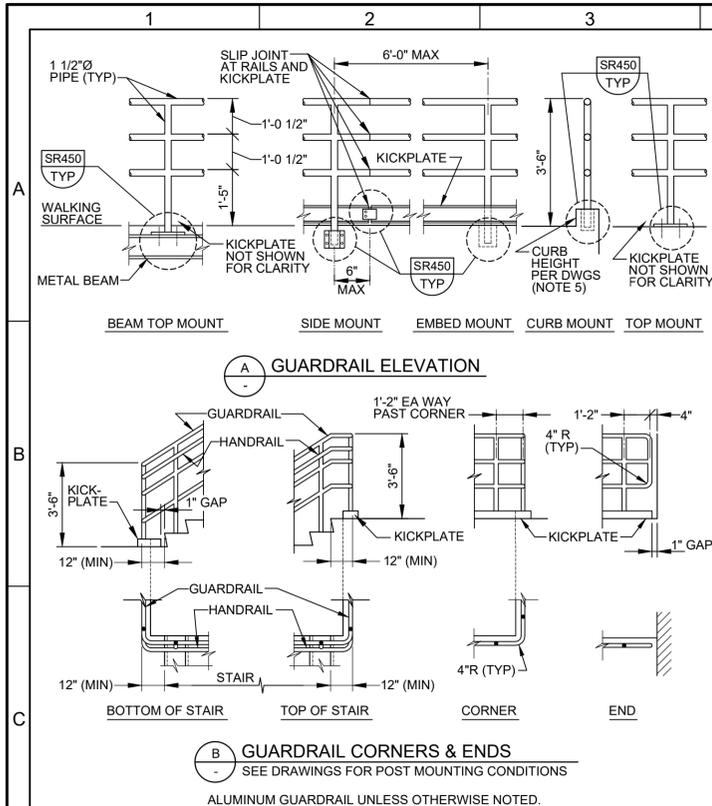
SNYDERVILLE BASIN WATER RECLAMATION DISTRICT

DEWATERING EQUIPMENT PREPURCHASE

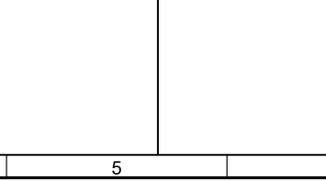
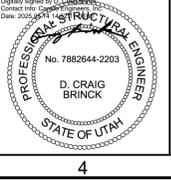
STRUCTURAL 2

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

JOB NO. 204042
DRAWING NO. 00TS02
SHEET NO. 11 OF 42



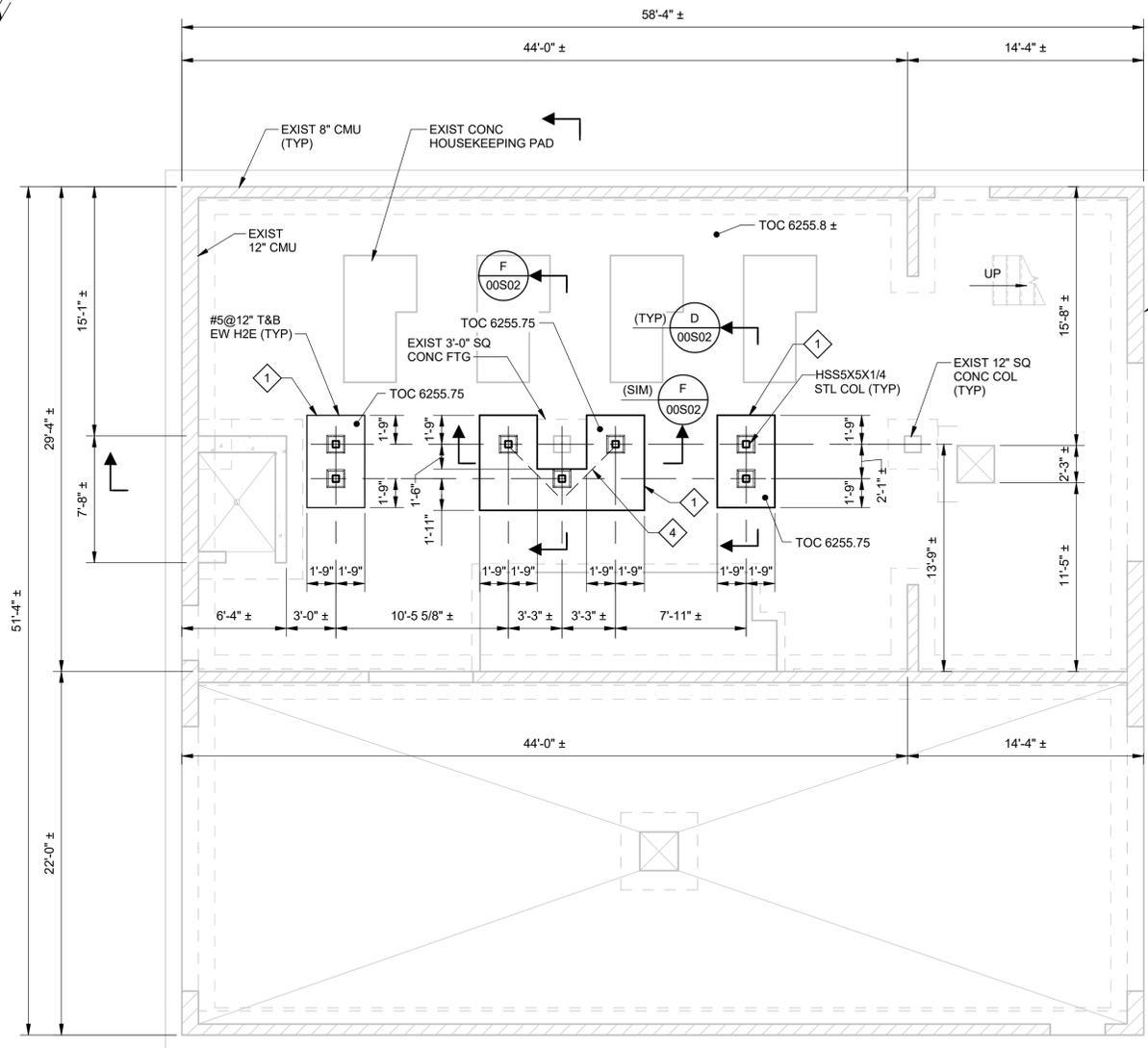
DESIGNED	CE
DRAWN	CE
CHECKED	JMY
DATE	MAY 2025



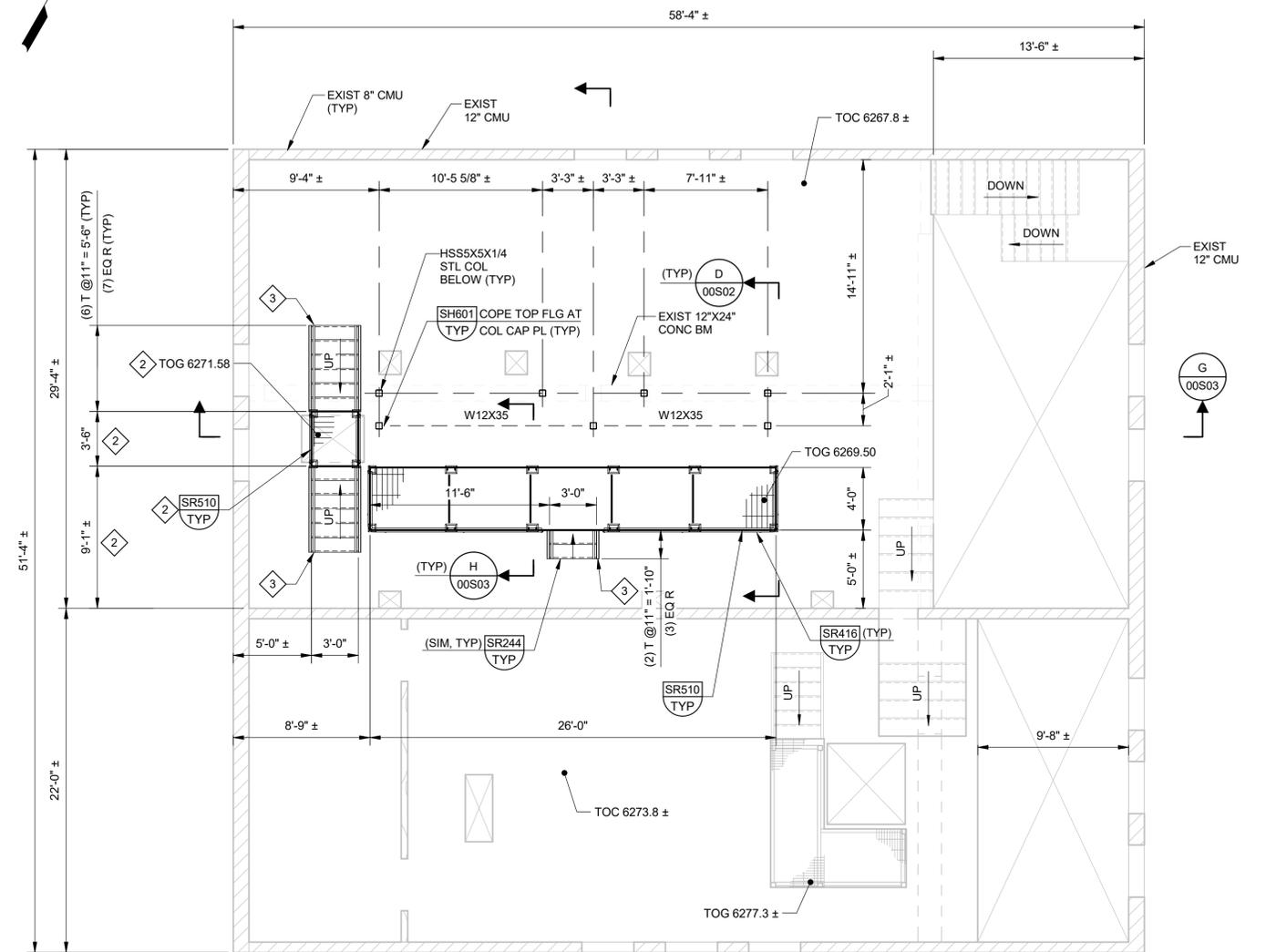
SNYDERVILLE BASIN WATER RECLAMATION DISTRICT
DEWATERING EQUIPMENT PREPURCHASE
TYPICAL DETAILS
STRUCTURAL 3

VERIFY SCALES	JOB NO. 204042
BAR IS ONE INCH ON ORIGINAL DRAWING	DRAWING NO. 00TS03
0 1"	SHEET NO. 12 OF 42

- GENERAL NOTES:**
- FOR STRUCTURAL GENERAL NOTES SEE DRAWING 00GS01.
- KEY NOTES:**
- NEW FOOTING. TOP FLUSH WITH EXISTING FINISHED FLOOR.
 - CONTRACTOR FIELD VERIFY THAT HEIGHT AND LENGTH ARE SUFFICIENT TO CLEAR THE SCREW CONVEYOR.
 - HANDRAIL EXTENSION NOT REQUIRED.
 - #4 X 4'-0" LONG CORNER BARS T&B



A FOUNDATION PLAN
SCALE: 3/16" = 1'-0"



B UPPER PLAN
SCALE: 3/16" = 1'-0"

PLOT DATE: 5/12/2025 9:45:47 AM

REV	DATE	BY	DESCRIPTION
1			
2			
3			

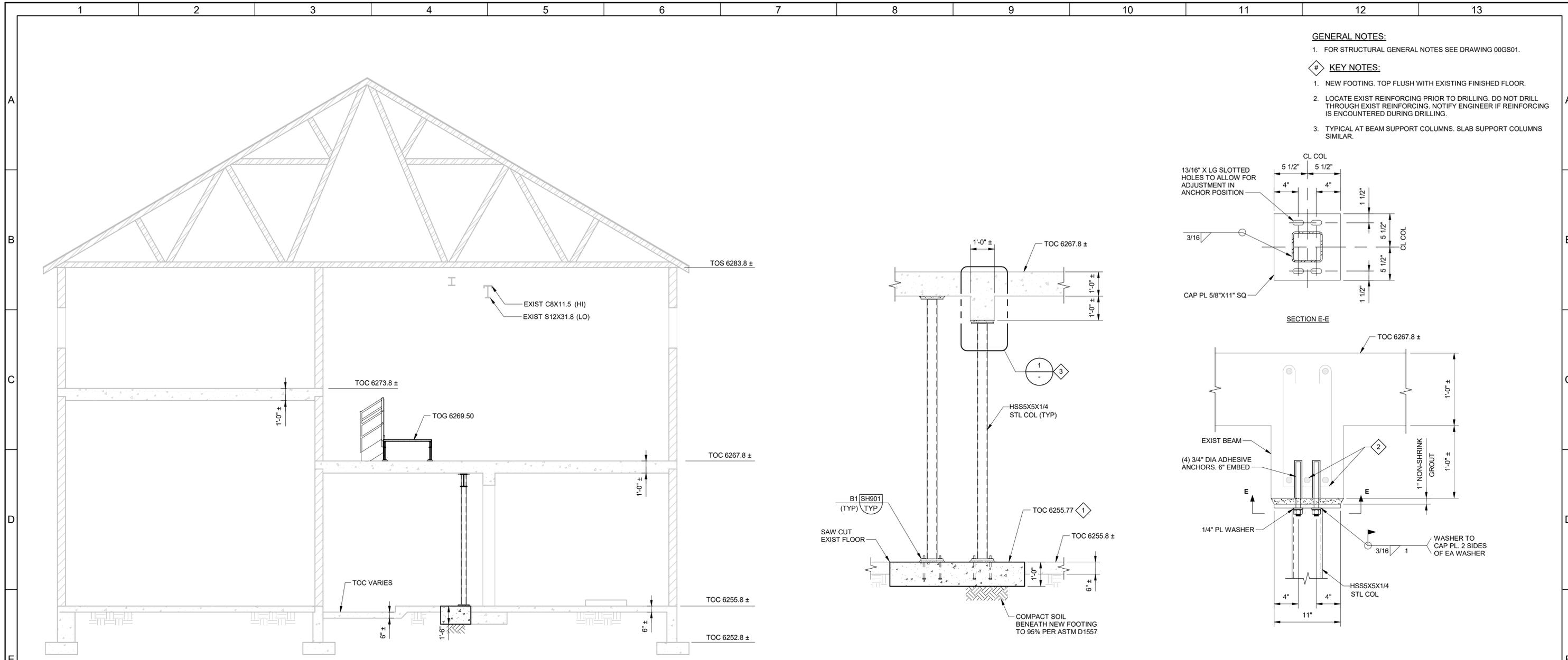
DESIGNED CB
DRAWN TJD
CHECKED JMY
DATE MAY 2025



SNYDERVILLE BASIN WATER RECLAMATION DISTRICT
DEWATERING EQUIPMENT PREPURCHASE
STRUCTURAL
SOLIDS BUILDING
PLANS

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

JOB NO. 204042
DRAWING NO. 00S01
SHEET NO. 13 OF 42



- GENERAL NOTES:**
- FOR STRUCTURAL GENERAL NOTES SEE DRAWING 00GS01.
- KEY NOTES:**
- NEW FOOTING. TOP FLUSH WITH EXISTING FINISHED FLOOR.
 - LOCATE EXIST REINFORCING PRIOR TO DRILLING. DO NOT DRILL THROUGH EXIST REINFORCING. NOTIFY ENGINEER IF REINFORCING IS ENCOUNTERED DURING DRILLING.
 - TYPICAL AT BEAM SUPPORT COLUMNS. SLAB SUPPORT COLUMNS SIMILAR.

C SECTION
00S01 SCALE: 1/4" = 1'-0"

D SECTION
00S01 SCALE: 1/2" = 1'-0"

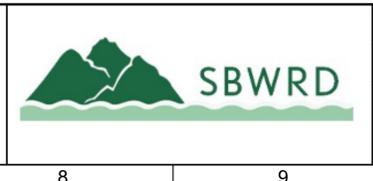
1 DETAIL
SCALE: 1 1/2" = 1'-0"

F SECTION
00S01 SCALE: 1/2" = 1'-0"

PLOT DATE: 5/12/2025 9:45:48 AM

REV	DATE	BY	DESCRIPTION
1			
2			
3			

DESIGNED CB	
DRAWN TJD	
CHECKED JMY	
DATE MAY 2025	



SNYDERVILLE BASIN WATER RECLAMATION DISTRICT
DEWATERING EQUIPMENT PREPURCHASE
STRUCTURAL
**SOLIDS BUILDING
SECTIONS AND DETAILS 1**

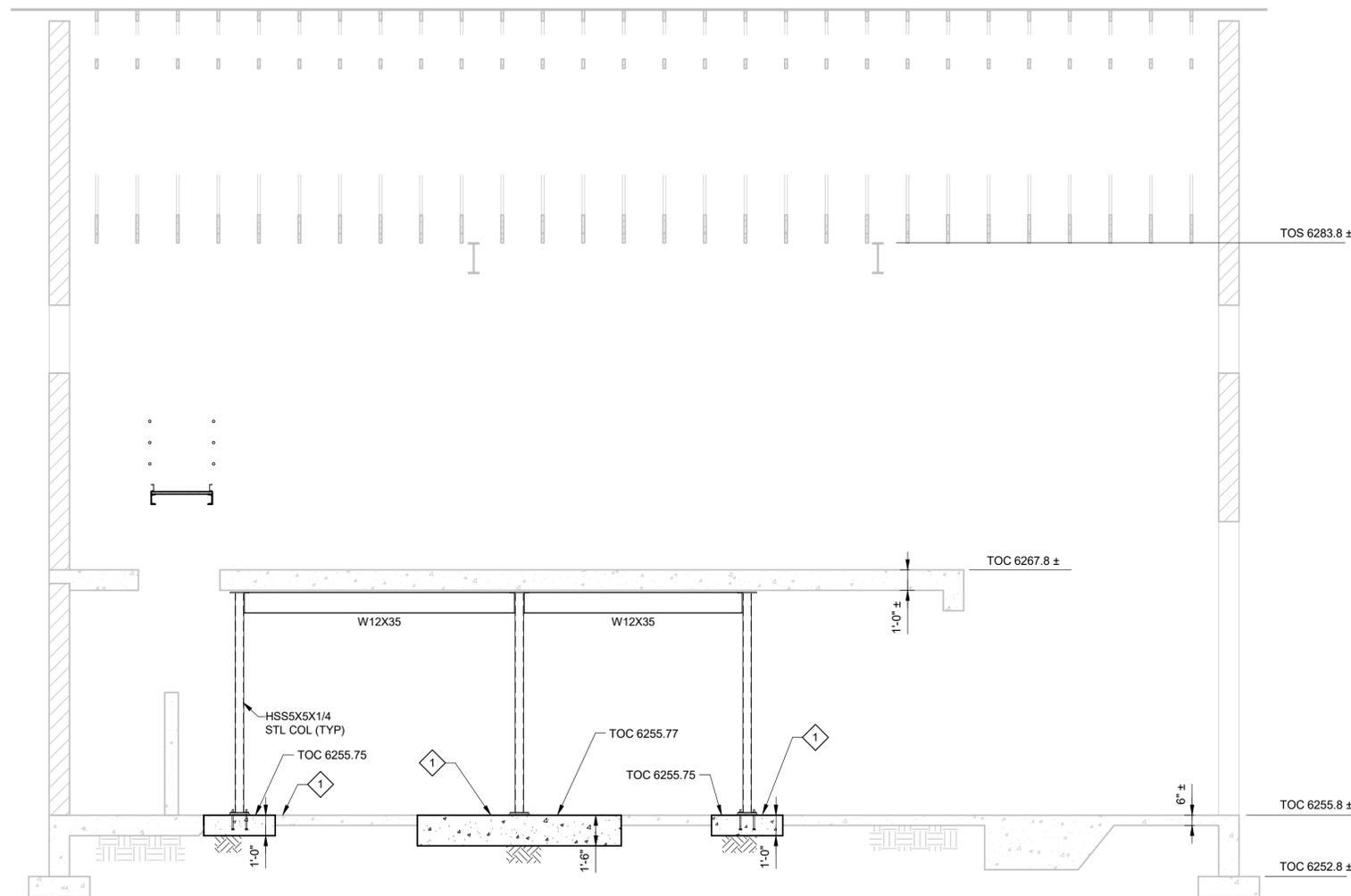
VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING 0 1"	JOB NO. 204042
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	DRAWING NO. 00S02
	SHEET NO. 14 OF 42

GENERAL NOTES:

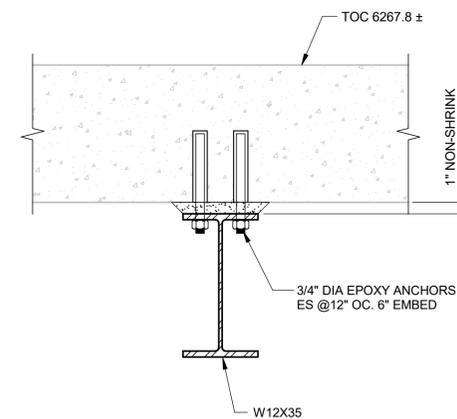
1. FOR STRUCTURAL GENERAL NOTES SEE DRAWING 00GS01.

KEY NOTES:

1. NEW FOOTING. TOP FLUSH WITH EXISTING FINISHED FLOOR.



G SECTION
00S01 SCALE: 1/4" = 1'-0"

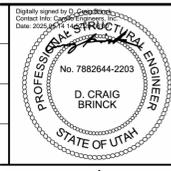


H SECTION
00S01 SCALE: 1 1/2" = 1'-0"

PLOT DATE: 5/12/2025 9:45:48 AM

REV	DATE	BY	DESCRIPTION

DESIGNED
CB
DRAWN
TJD
CHECKED
JMY
DATE
MAY 2025



SNYDERVILLE BASIN WATER RECLAMATION DISTRICT
DEWATERING EQUIPMENT PREPURCHASE
STRUCTURAL
**SOLIDS BUILDING
SECTIONS AND DETAILS 2**

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

JOB NO.
204042
DRAWING NO.
00S03
SHEET NO.
15 OF 42

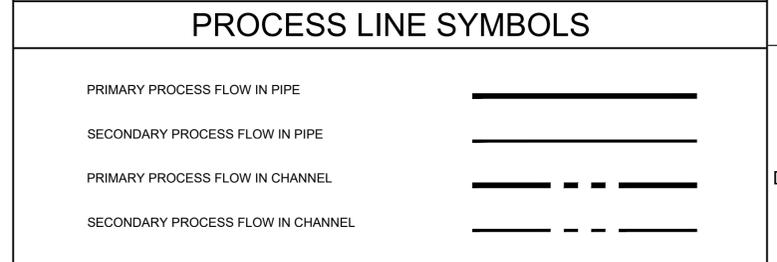
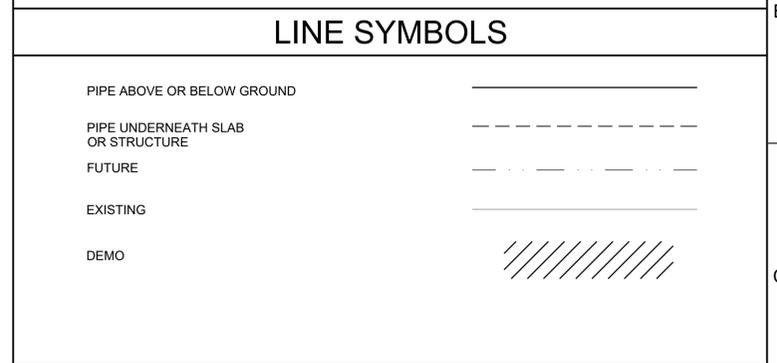
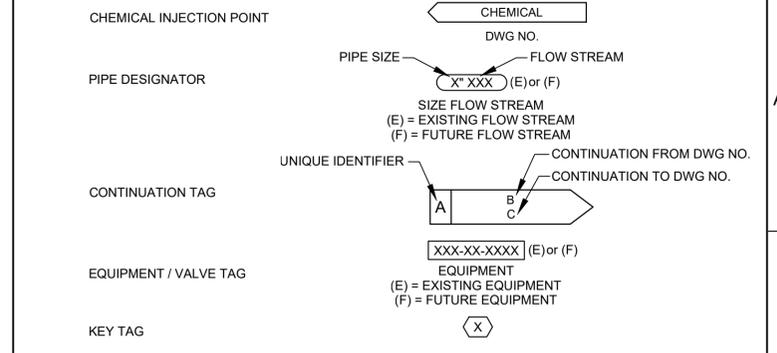
PIPING SYMBOLS

MECHANICAL SYMBOLS

IDENTIFICATION SYMBOLS

DOUBLE LINE	SINGLE LINE	DESCRIPTION	SINGLE LINE	DESCRIPTION
		WELDED JOINT		GATE VALVE
		GROOVED END JOINT		KNIFE GATE VALVE
		FLANGED JOINT		BUTTERFLY VALVE
		HUB & SPIGOT JOINT (RUBBER GASKET)		CHARACTERIZED BALL CONTROL VALVE
		PUSH-ON JOINT (RESTRAINED)		BALL VALVE
		ADAPTER SIDE GROOVED END ADAPTER FLANGE		GLOBE VALVE
		FLANGED COUPLING ADAPTER		3-WAY GLOBE TYPE MIXING VALVE
		FLEXIBLE COUPLING		FOUR WAY VALVE
		METAL BELLOWS EXP JOINT		PINCH VALVE
		FLEXIBLE COUPLING ADAPTER		DIAPHRAGM VALVE
		EXPANSION COMPENSATOR		PLUG VALVE
		ELBOW DOWN		LUBRICATED PLUG VALVE
		TEE DOWN		ECCENTRIC PLUG VALVE
		LATERAL UP		CONCENTRIC PLUG VALVE
		LATERAL DOWN		SWING CHECK VALVE
		ECCENTRIC REDUCER (FOT, FOB)		WAFER CHECK VALVE
		CAP		BALL CHECK VALVE
		ELBOW, 90 DEGREE		DUAL CHECK VALVE
		TEE		CHECK BACKFLOW PREVENTER
		ELBOW, 45 DEGREE		HOSE VALVE
		ELBOW, 22.5 DEGREE		MUD VALVE (PLAN VIEW)
		ELBOW, 11.25 DEGREE		NEEDLE VALVE
		LATERAL		CONE VALVE
		PRESSURE RELIEF PRESSURE-REDUCING REGULATOR		TELESCOPING VALVE
		THREE WAY VALVE AIR OPERATED		THREE WAY VALVE MOTOR OPERATED
		THREE WAY VALVE SOLENOID OPERATED		THREE WAY VALVE SOLENOID OPERATED
		VACUUM VALVE		BACKPRESSURE REGULATOR SELF-CONTAINED
		BACKPRESSURE REGULATOR W/ EXTERNAL PRESSURE TAP		PRESSURE-REDUCING REGULATOR SELF-CONTAINED
		PRESSURE-REDUCING REGULATOR W/ EXTERNAL PRESSURE TAP		PRESSURE-REDUCING REGULATOR W/ EXTERNAL PRESSURE TAP

SINGLE LINE	DESCRIPTION	SINGLE LINE	DESCRIPTION	SINGLE LINE	DESCRIPTION	SINGLE LINE	DESCRIPTION
	AIR OR CHEMICAL DIFFUSER		PRIMARY LEVEL ELEMENT: RADAR		STRAINER: WYE TYPE WITH BLOWOFF		THERMOMETER
	QUICK DISCONNECT HIGH PRESSURE AIR OR FLUSHING		PRIMARY LEVEL ELEMENT: ULTRASONIC		VALVE: ANGLE		VALVE: AIR RELIEF
	BATCHMETER		PRIMARY FLOW ELEMENT: FLUME		PIPE MATERIAL CHANGE		
	AIR VENT		PRIMARY FLOW ELEMENT: CORIOLIS				
	BASKET STRAINER		PRIMARY FLOW ELEMENT: MAGNETIC				
	BLOWER		PRIMARY FLOW ELEMENT: PROPELLER				
	CALIBRATION COLUMN		PRIMARY FLOW ELEMENT: PITOT TUBE				
	COMPRESSOR/TURBINE		PRIMARY FLOW ELEMENT: ROTAMETER				
	COMPRESSOR: RECIPROCATING		PRIMARY FLOW ELEMENT: TURBINE				
	DIAPHRAGM SEAL		PRIMARY FLOW ELEMENT: THERMAL				
	DRAIN		PRIMARY FLOW ELEMENT: ULTRASONIC				
	EJECTOR OR EDUCTOR		PRIMARY FLOW ELEMENT: DENSITY				
	ELECTRIC MOTOR		PRIMARY FLOW ELEMENT: ORIFICE PLATE				
	EQUIPMENT DRAIN		PRIMARY FLOW ELEMENT: VENTURI TUBE				
	EXPANSION JOINT, FLEXIBLE VIBRATION JOINT		PRIMARY FLOW ELEMENT: WEIR				
	FAN: EXHAUST/SUPPLY		PULSATION DAMPENERS				
	FILTER		PUMP: CENTRIFUGAL				
	FIRE HYDRANT		PUMP: DIAPHRAGM				
	FLAME ARRESTER		PUMP: METERING				
	FLAME ARRESTER WITH THERMALLY OPERATED VALVE		PUMP: PLUNGER				
	FLOOR DRAIN		PUMP: PERISTALTIC TUBE METERING				
	FLOW SWITCH		PUMP: PROGRESSIVE CAVITY				
	GAUGE: PRESSURE		PUMP: RECIPROCATING				
	GAUGE: DIFFERENTIAL PRESSURE		PUMP: ROTARY				
	WEIR		PUMP: SCREW				
	MIXER		PUMP: SUBMERSIBLE				
	OIL OR MOISTURE TRAP		PUMP: VERTICAL LIFT				
	PRIMARY LEVEL ELEMENT: BUBBLER		PIPE REDUCER: CONCENTRIC				
	PRIMARY LEVEL ELEMENT: ELECTRODE		PIPE REDUCER: ECCENTRIC (FOT, FOB)				
	PRIMARY LEVEL ELEMENT: FLOAT SWITCH		ROTARY CHEMICAL FEEDER				
	PRIMARY LEVEL ELEMENT: FLUID		RUPTURE DISK				
	PRIMARY LEVEL ELEMENT: INVERTED COLUMN		SAMPLE PORT				
			SIGHT GLASS				
			SLIDE GATE				
			SLUICE GATE				
			STRAINER: WYE TYPE				



FLOW STREAM IDENTIFIER

ABBREVIATION	DESCRIPTION
CA	= COMPRESSED AIR
PD	= PLANT DRAIN
POL	= POLYMER
UW	= UTILITY WATER
V	= VENT
WAS	= WASTE ACTIVATED SLUDGE

LAST SAVED BY: dscheele

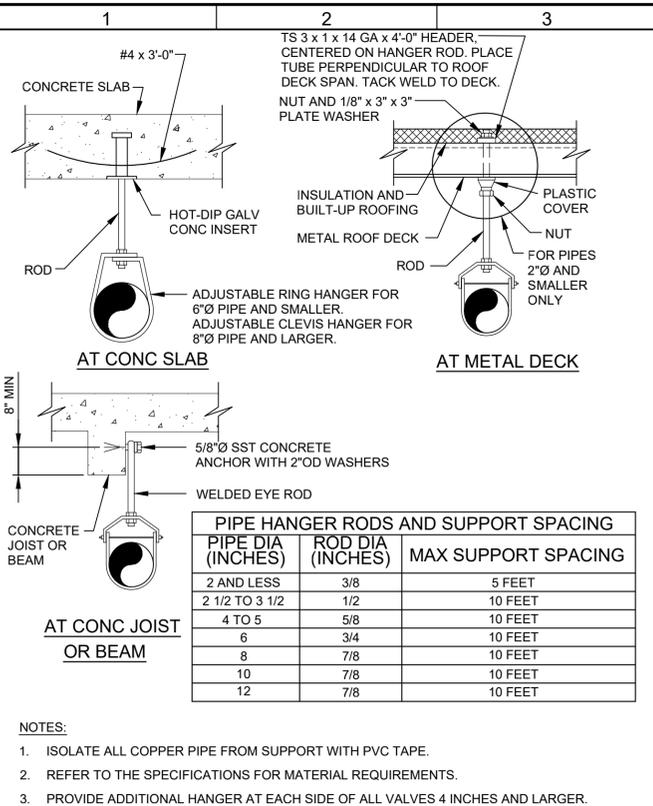
REV	DATE	BY	DESCRIPTION

DESIGNED CE
DRAWN CE
CHECKED CTA
DATE MAY 2025

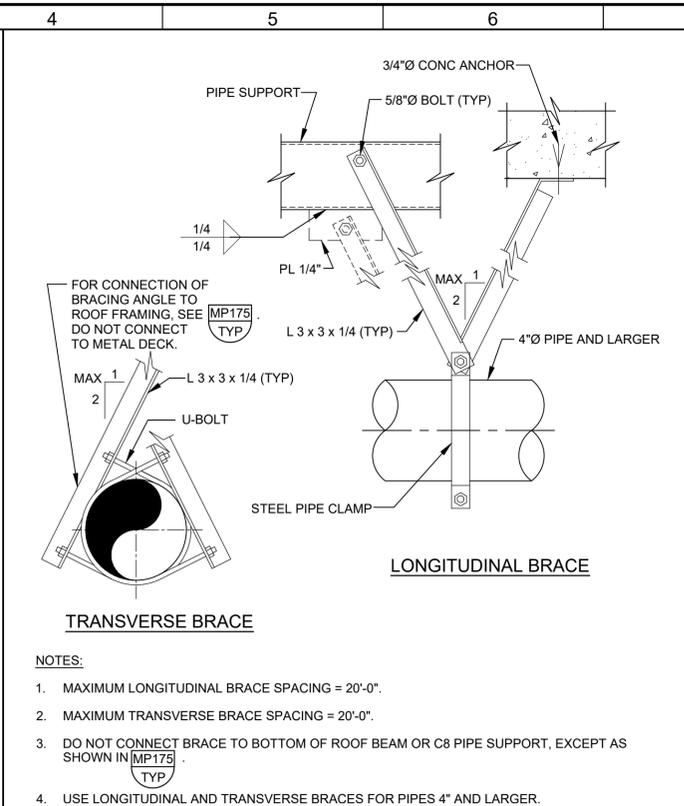
SNYDERVILLE BASIN WATER RECLAMATION DISTRICT
DEWATERING EQUIPMENT PREPURCHASE
MECHANICAL
GENERAL LEGEND AND SYMBOLS

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

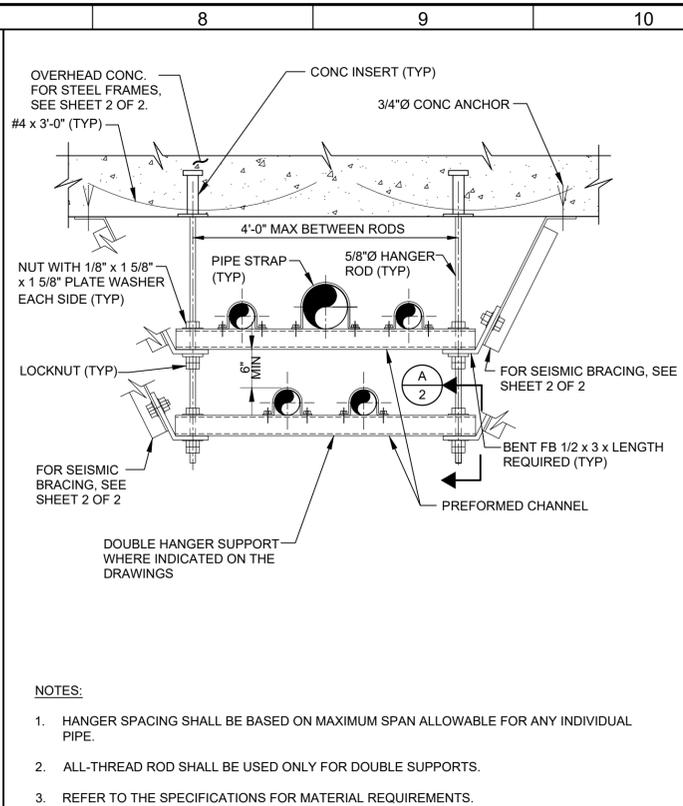
JOB NO. 204042
DRAWING NO. 00GM01
SHEET NO. 16 OF 42



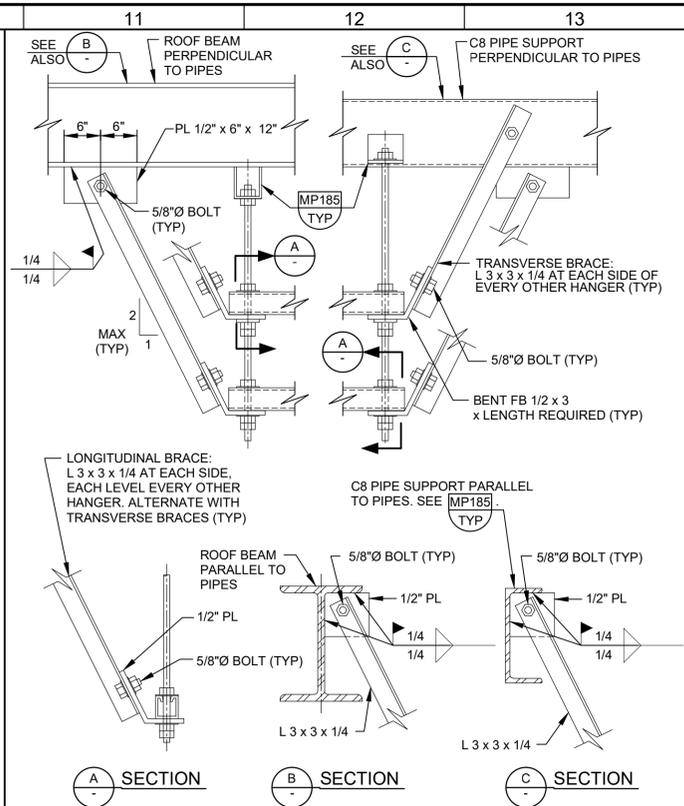
MP132 PIPE SUPPORT - OVERHEAD ROD W/ ADJUSTABLE RING OR CLEVIS
TYP SHEET 1 OF 2 09/18/23



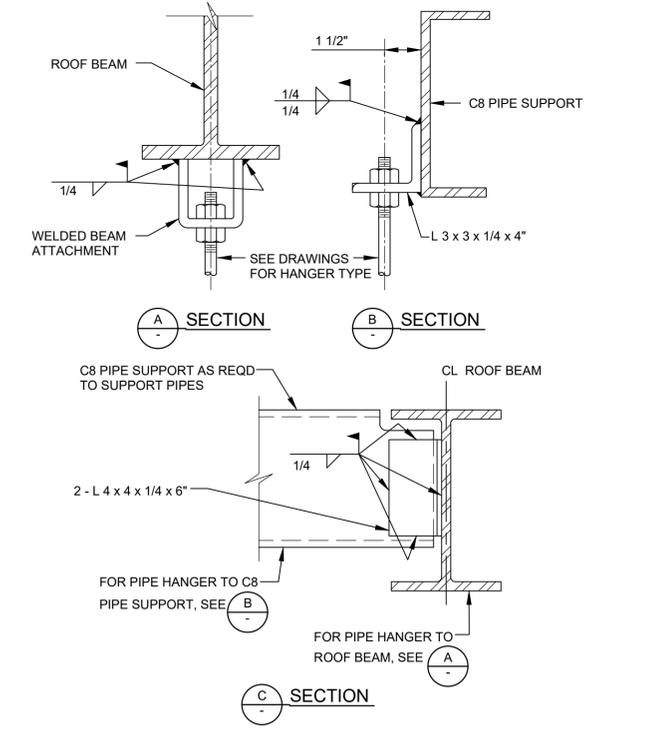
MP132 PIPE SUPPORT - OVERHEAD ROD W/ ADJUSTABLE RING OR CLEVIS
TYP SHEET 2 OF 2 09/18/23



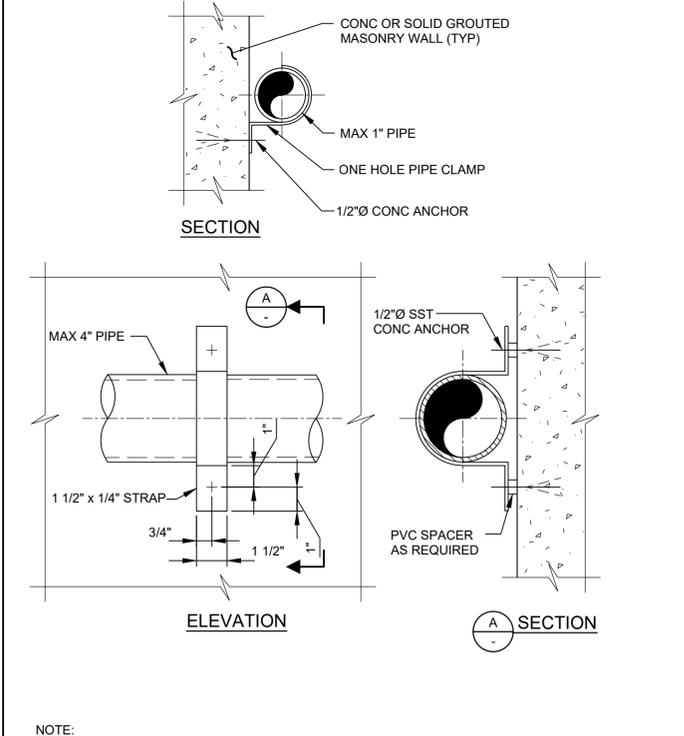
MP175 PIPE SUPPORT - OVERHEAD TRAPEZE - DOUBLE BEAM
TYP SHEET 1 OF 2 10/05/23



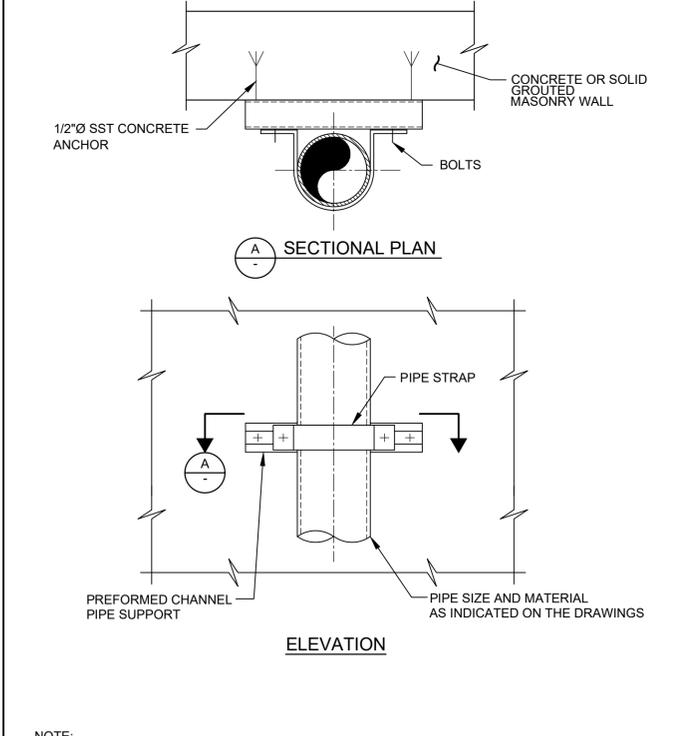
MP175 PIPE SUPPORT - OVERHEAD TRAPEZE - DOUBLE BEAM
TYP SHEET 2 OF 2 10/05/23



MP185 PIPE SUPPORT - OVERHEAD CONNECTIONS TO STEEL FRAMING
TYP 10/05/23



MP215 PIPE SUPPORT - WALL - PIPE CLIP
TYP 12/23/24



MP253 PIPE SUPPORT - PREFORMED CHANNEL: SURFACE MOUNTED
TYP 12/17/24

REV	DATE	BY	DESCRIPTION

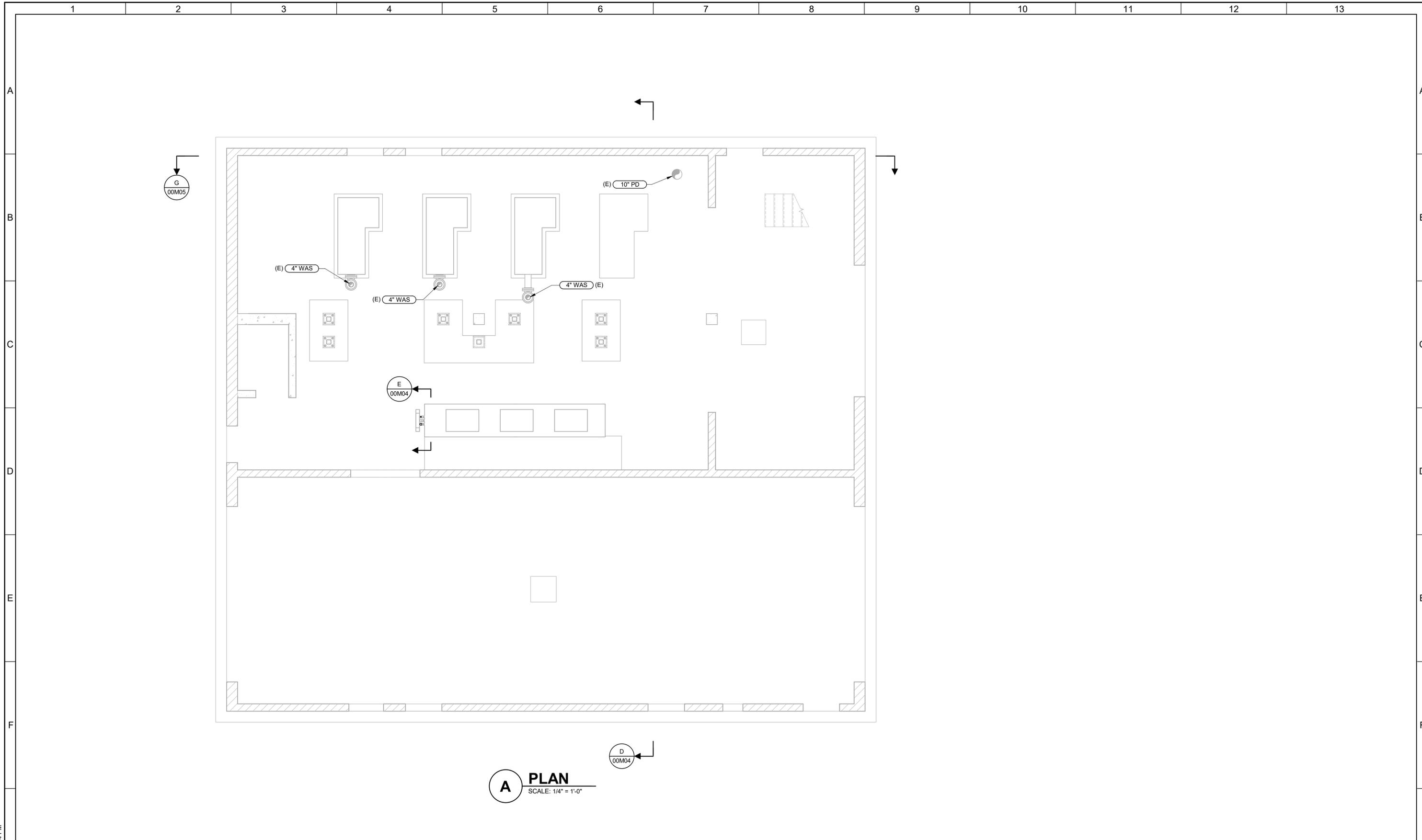
DESIGNED
CE
DRAWN
CE
CHECKED
CTA
DATE
MAY 2025



SNYDERVILLE BASIN WATER RECLAMATION DISTRICT
DEWATERING EQUIPMENT PREPURCHASE
TYPICAL DETAILS
MECHANICAL 1

VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING 0 1" IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	JOB NO. 204042 DRAWING NO. 00TM01 SHEET NO. 17 OF 42
--	--

LAST SAVED BY: dscheele



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

PLOT DATE: 5/13/2025 2:21:44 PM

REV	DATE	BY	DESCRIPTION

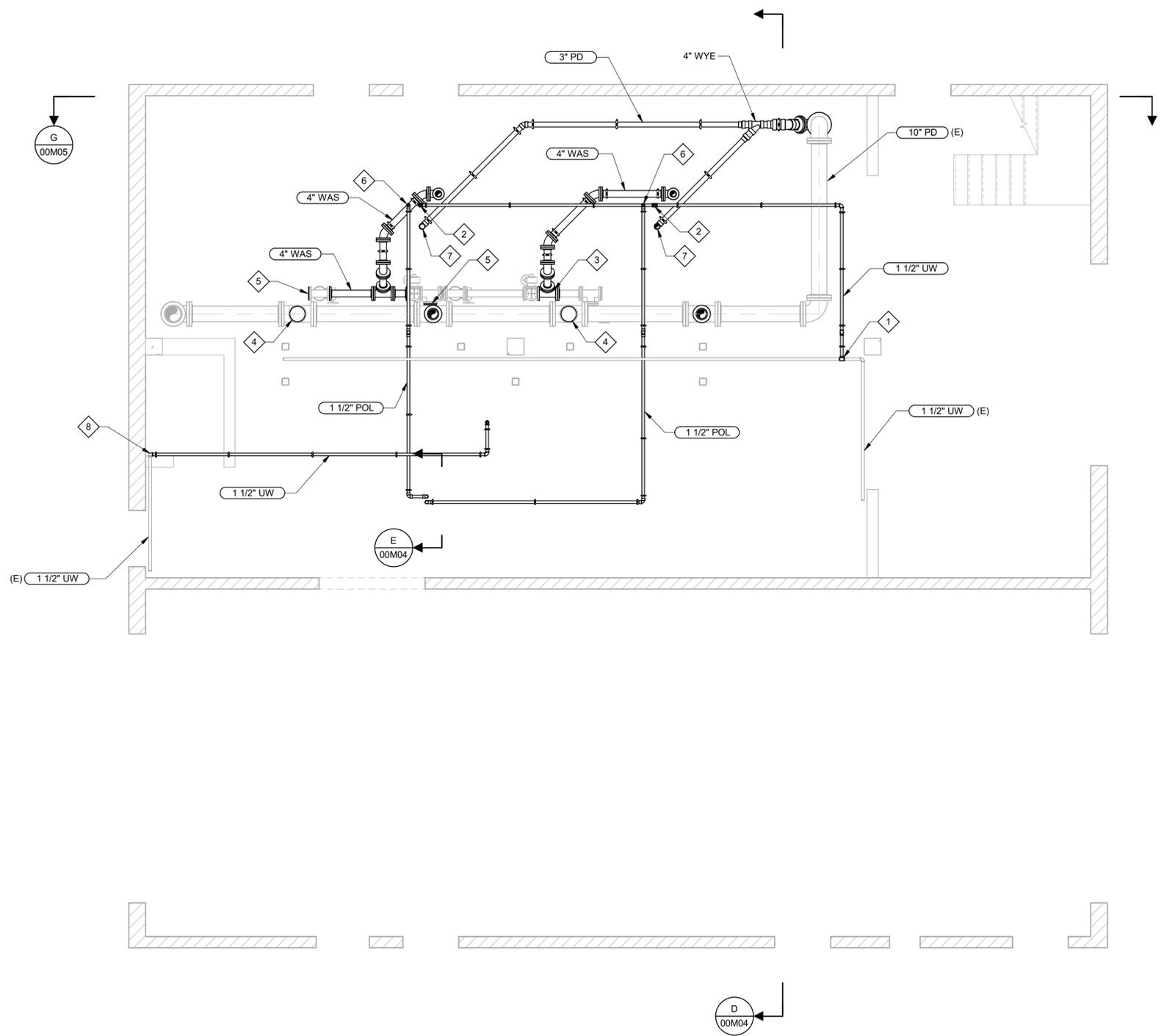
DESIGNED
ERA
DRAWN
DCS
CHECKED
CTA
DATE
MAY 2025



SNYDERVILLE BASIN WATER RECLAMATION DISTRICT
DEWATERING EQUIPMENT PREPURCHASE
MECHANICAL
SOLIDS BUILDING LOWER PLAN

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

JOB NO.
204042
DRAWING NO.
00M01
SHEET NO.
18 OF 42



- GENERAL NOTES:**
- SUPPORT PIPING SUSPENDED BENEATH THE FLOOR SLAB PER DETAIL MP132/TYP OR MP215/TYP. SUPPORTS TO BE SPACED AT 5'-0" O.C.
 - EXISTING LIGHT FIXTURES MAY BE IN CONFLICT WITH NEW PROCESS PIPING AND STRUCTURAL BEAM. WHERE THIS IS THE CASE, LIGHT FIXTURES MAY NEED TO BE RELOCATED. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL DETAILS.
- KEY NOTES:**
- INSTALL A NEW 1 1/2" TEE IN THE EXISTING UTILITY WATER LINE. COORDINATE WITH THE OWNER PRIOR TO UTILITY WATER SHUTDOWN.
 - 1 1/2" UTILITY WATER LINE. CORE DRILL THROUGH THE FLOOR TO CONNECT TO THE NEW ROTARY PRESS FLOCCULATOR.
 - TURN EXISTING TEE 135 DEGREES AND CONNECT NEW WAS PIPING.
 - INSTALL 6" BLIND FLANGE ON DRAIN LINE TEE.
 - INSTALL 4" BLIND FLANGE.
 - 1 1/2" POLYMER PIPE. CORE DRILL THROUGH THE SLAB TO CONNECT TO THE ROTARY PRESS FLOCCULATOR.
 - 3" SLUDGE RECIRCULATION OUTLET. CORE DRILL THROUGH THE SLAB TO CONNECT TO THE ROTARY PRESS FLOCCULATOR.
 - REPLACE THE EXISTING UTILITY WATER LINE ON THE CEILING WITH 1 1/2" UTILITY WATER PIPING. ROUTE THROUGH THE SLAB TO SUPPLY ROTARY PRESS UTILITY WATER MANIFOLD.

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

PLOT DATE: 5/13/2025 3:14:48 PM

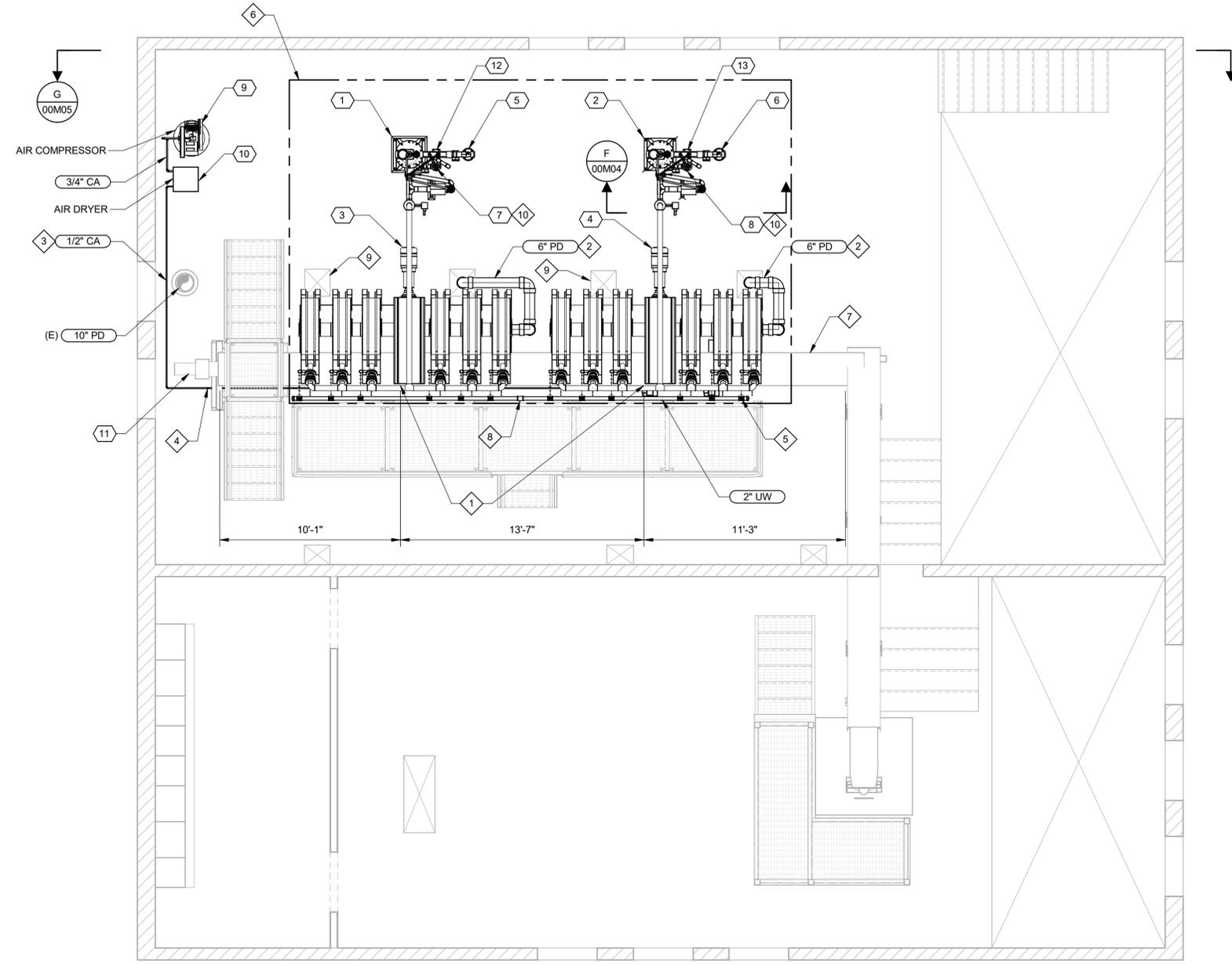
REV	DATE	BY	DESCRIPTION
1			
2			
3			

DESIGNED ERA	
DRAWN DCS	
CHECKED CTA	
DATE MAY 2025	



SNYDERVILLE BASIN WATER RECLAMATION DISTRICT
DEWATERING EQUIPMENT PREPURCHASE
MECHANICAL
SOLIDS BUILDING INTERMEDIATE PLAN

VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING 0 1" IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	JOB NO. 204042 DRAWING NO. 00M02 SHEET NO. 19 OF 42
---	---



- # KEY NOTES:
1. PROVIDE/MAINTAIN A POINT OF ACCESS IN THE SLUDGE CONVEYOR COVER IN THE LOCATIONS SHOWN TO ALLOW FOR MAINTENANCE OF THE CONVEYOR SHAFT BEARINGS.
 2. ROUTE 6 INCH PROCESS DRAIN LINE THROUGH THE EXISTING FLOOR OPENING AND CONNECT TO 10 INCH DRAIN LINE BELOW. PROVIDE NEW CHECKER PLATE COVER SIZED TO FULLY ENCLOSE THE FLOOR OPENING AROUND THE PIPE.
 3. RUN COMPRESSED AIR ALONG THE FLOOR, UNDER THE EXISTING SLUDGE CONVEYOR AND TO EACH ROTARY PRESS PER MANUFACTURER RECOMMENDATIONS.
 4. INSTALL A UNION FITTING IN THE COMPRESSED AIR LINE ON EITHER SIDE OF THE FLOOR OPENING. TO ALLOW FOR PIPING TO BE DISASSEMBLED, IF NECESSARY.
 5. PROVIDE 2 INCH UTILITY WATER MANIFOLD WITH 1 INCH FLEXIBLE CONNECTION (BRAIDFLEX TUBING OR EQUAL), WITH A 1 INCH BALL VALVE, TO EACH OF THE ROTARY PRESS CHANNELS. TUBING SHALL BE INSTALLED WITH 6 INCHES OF SLACK. SUPPORT 2 INCH MANIFOLD PIPING OFF THE ACCESS PLATFORM PER DETAIL MP253/TYP.
 6. IF CONTRACTOR DESIRES TO INSTALL ROTARY PRESS AS AN ASSEMBLED UNIT, PROVIDE SHORING FOR FLOOR SLAB IN THIS AREA. DESIGN SHORING TO SUPPORT ROLLING 15,000 LB LOAD. OTHERWISE DISASSEMBLE ROTARY PRESS AND RE-ASSEMBLE IN PLACE. EXISTING MONORAIL CAPACITY LIMITED TO 2 TONS.
 7. PROVIDE NEW 3/4" THICK POLYCARBONATE COVER ON THE EXISTING SLUDGE CONVEYOR WITH OPENINGS FOR THE ROTARY PRESS SLUDGE CHUTES AND ACCESS TO THE CONVEYOR SHAFT BEARINGS.
 8. 1 1/2" X 2" TEE.
 9. PROVIDE NEW CHECKER PLATE COVER OVER THE EXISTING FLOOR OPENING.
 10. PROVIDE PROPORTIONAL CONTROL VALVE ON THE POLYMER FEED LINE TO THE FLOCCULATOR PER MANUFACTURER RECOMMENDATIONS.

KEY TAGS:

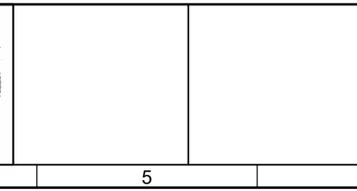
1	FLC-26110	ROTARY PRESS FLOCCULATOR 1
2	FLC-26130	ROTARY PRESS FLOCCULATOR 2
3	RPR-26120	ROTARY PRESS 1
4	RPR-26140	ROTARY PRESS 2
5	FE-26119	ROTARY PRESS SLUDGE FLOW METER 1
6	FE-26139	ROTARY PRESS SLUDGE FLOW METER 2
7	FE-26115	ROTARY PRESS POLYMER FLOW METER 1
8	FE-26135	ROTARY PRESS POLYMER FLOW METER 2
9	ARC-26100	AIR COMPRESSOR
10	DRY-26101	AIR DRYER
11	ME-SP-12	SCREW CONVEYOR (EXISTING)
12	FCV-26115	POLYMER FLOW CONTROL VALVE 1
13	FCV-26136	POLYMER FLOW CONTROL VALVE 2

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

PLOT DATE: 5/13/2025 2:21:48 PM

REV	DATE	BY	DESCRIPTION
1			
2			
3			

DESIGNED ERA	
DRAWN DCS	
CHECKED CTA	
DATE MAY 2025	



SNYDERVILLE BASIN WATER RECLAMATION DISTRICT
DEWATERING EQUIPMENT PREPURCHASE
MECHANICAL
SOLIDS BUILDING UPPER PLAN

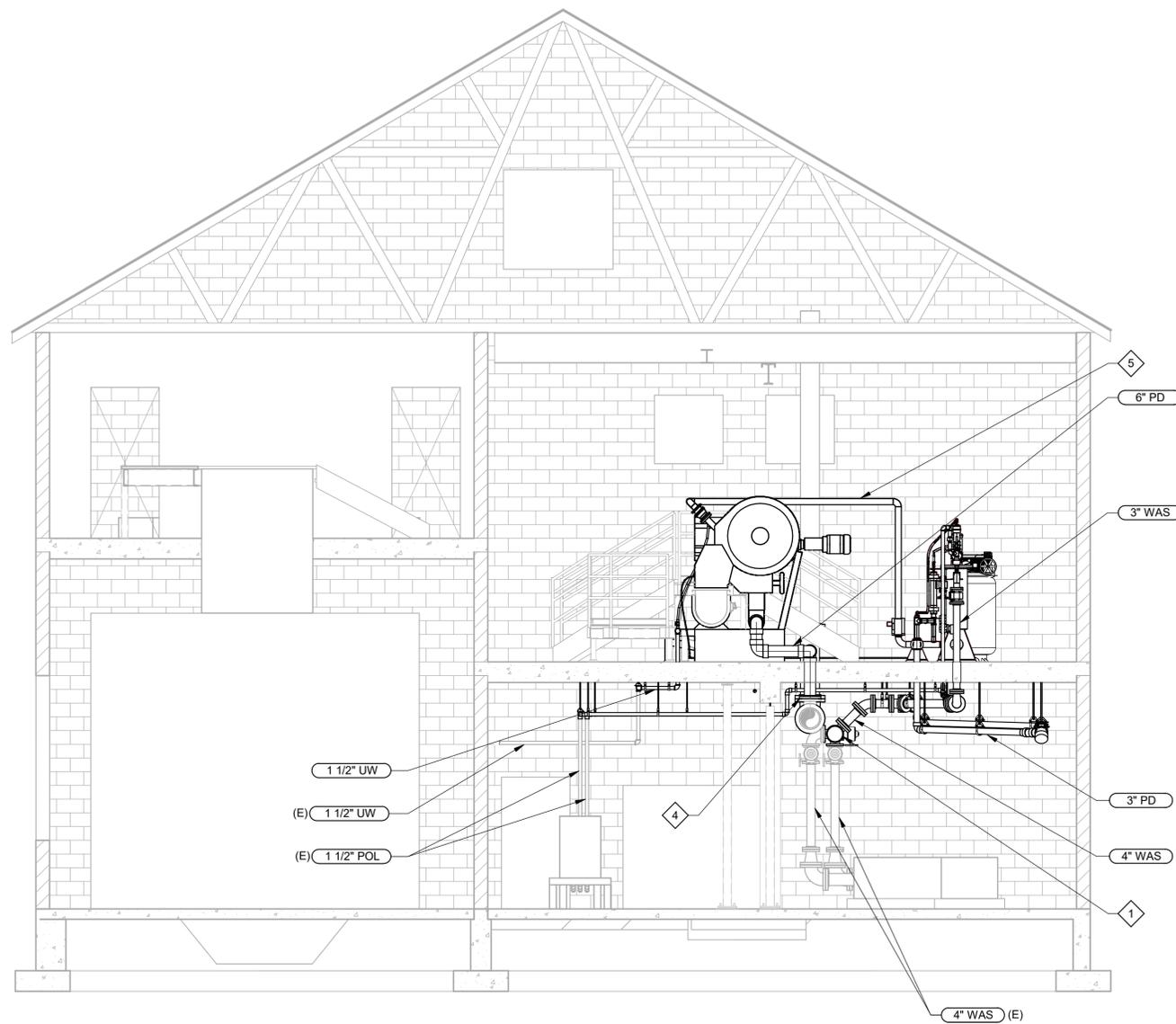
VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING 0 1"	JOB NO. 204042
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	DRAWING NO. 00M03
	SHEET NO. 20 OF 42

GENERAL NOTES:

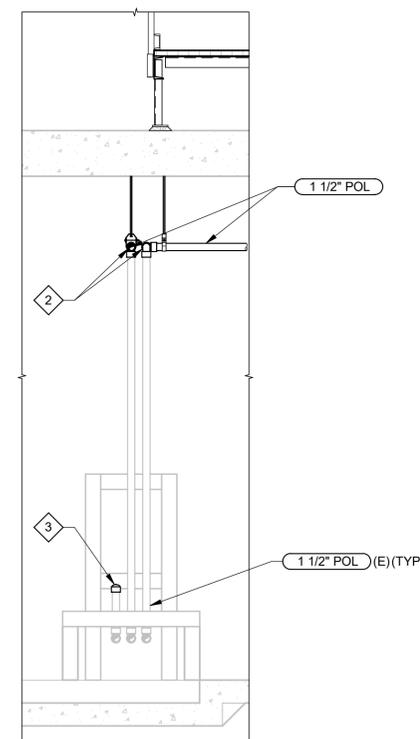
1. SUPPORT PIPING SUSPENDED BENEATH THE FLOOR SLAB PER DETAIL MP132/TYP OR MP215/TYP. SUPPORTS TO BE SPACED AT 5'-0" O.C.

KEY NOTES:

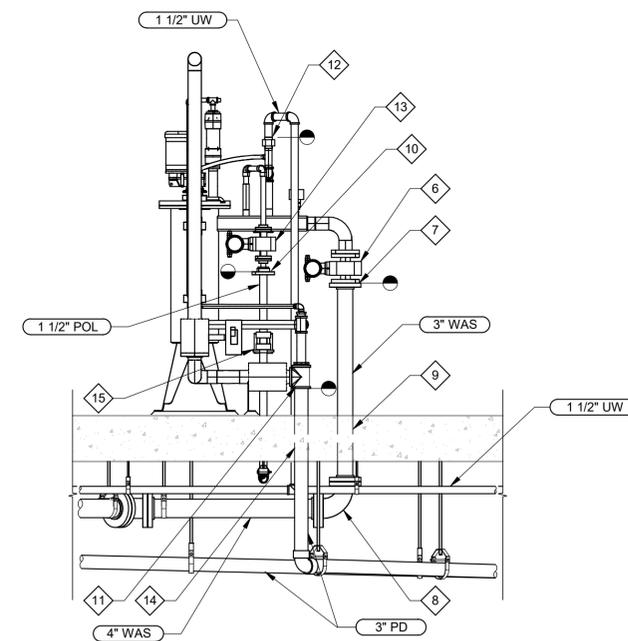
1. TURN EXISTING TEE 135 DEGREES AND CONNECT NEW WAS PIPING.
2. CONNECT TO THE EXISTING POLYMER PIPING AND ROUTE UNDER THE NEW AND EXISTING STRUCTURAL BEAMS TO THE NEW ROTARY PRESS FLOCCULATOR.
3. INSTALL A SCH 80 CAP ON THE EXISTING POLYMER PIPE DOWNSTREAM OF THE 90 DEGREE BEND.
4. CONNECT NEW PVC DRAIN PIPING TO EXISTING DUCTILE IRON FLANGE USING PVC FLANGE ADAPTER. PROVIDE NEW STAINLESS STEEL HARDWARE.
5. PIPING FROM FLOCCULATOR TO ROTARY PRESS PROVIDED BY EQUIPMENT MANUFACTURER.
6. 3" MAGNETIC FLOW METER PROVIDED BY EQUIPMENT MANUFACTURER.
7. POINT OF CONNECTION TO FLOCCULATOR 3" FLG X VIC PIPE.
8. 4"x3" REDUCING 90 DEG BEND WITH VIC ENDS.
9. CORE DRILL HOLE FOR NEW 3" WAS PIPE.
10. 2" DIA POLYMER INLET CONNECTION.
11. 3" SLUDGE RECIRCULATING CONNECTION.
12. 1 1/2" DIA UW CONNECTION.
13. 2" MAGNETIC FLOW METER PROVIDED BY EQUIPMENT MANUFACTURER.
14. CORE DRILL THROUGH THE FLOOR FOR NEW 3" PD LINE.
15. PROVIDE PROPORTIONAL CONTROL VALVE ON THE POLYMER FEED LINE TO THE FLOCCULATOR PER MANUFACTURER RECOMMENDATIONS.



D SECTION
00M01 SCALE: 1/4" = 1'-0"



E SECTION
00M01 SCALE: 1/2" = 1'-0"

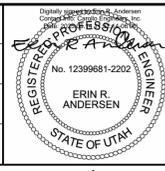


F SECTION
00M02 SCALE: 1/2" = 1'-0"

PLOT DATE: 5/13/2025 2:21:53 PM

REV	DATE	BY	DESCRIPTION

DESIGNED
ERA
DRAWN
DCS
CHECKED
CTA
DATE
MAY 2025



SNYDERVILLE BASIN WATER RECLAMATION DISTRICT
DEWATERING EQUIPMENT PREPURCHASE
MECHANICAL
SOLIDS BUILDING SECTION 1

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

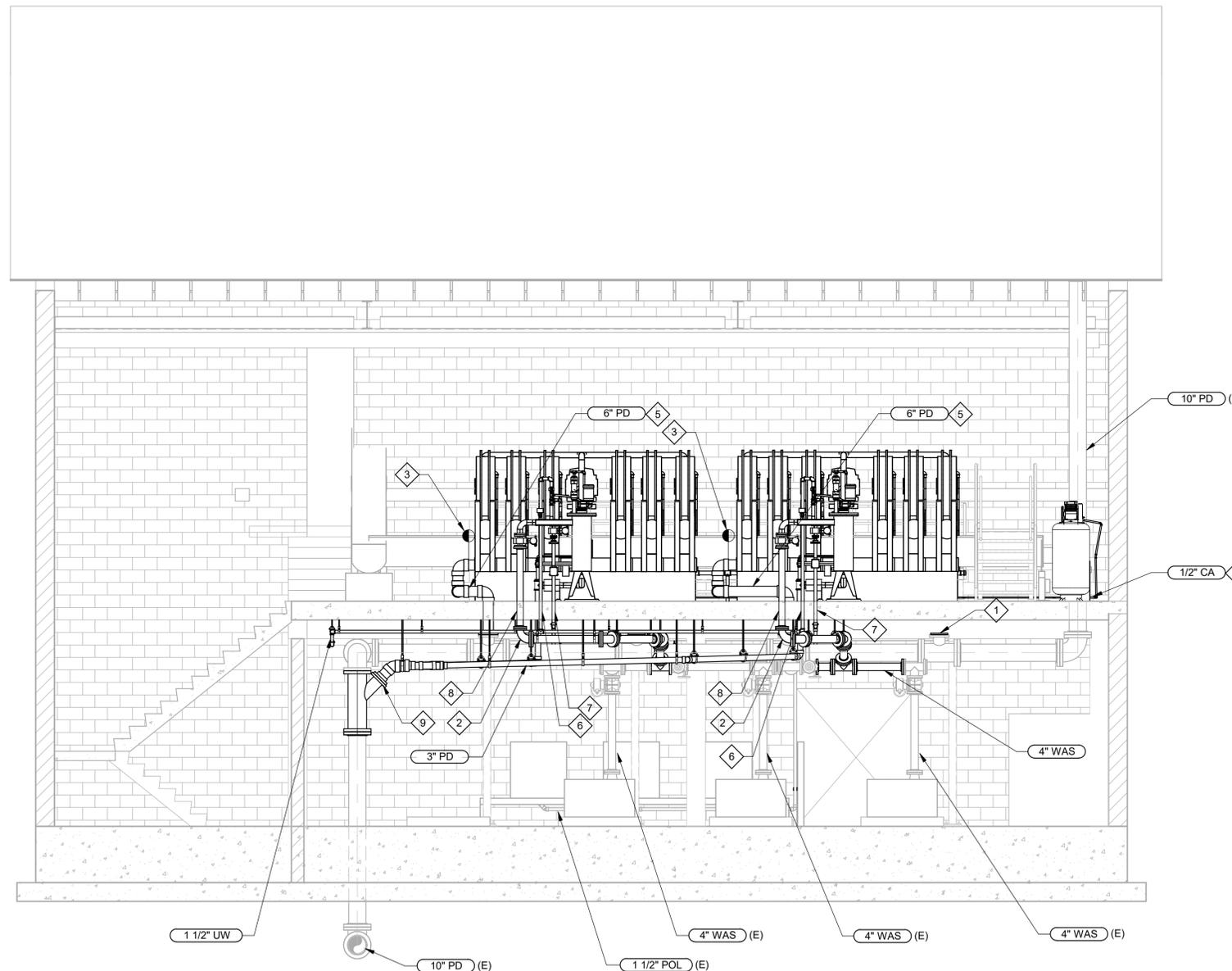
JOB NO.
204042
DRAWING NO.
00M04
SHEET NO.
21 OF 42

GENERAL NOTES:

1. SUPPORT PIPING SUSPENDED BENEATH THE FLOOR SLAB PER DETAIL MP132/TYP OR MP215/TYP. SUPPORTS TO BE SPACED AT 5'-0" O.C.

KEY NOTES:

1. PROVIDE NEW 6" BLIND FLANGE (TYP OF TWO).
2. 4" WAS PIPING TO NEW FLOCCULATOR. TRANSITION TO 3" WAS JUST BEFORE FLOOR PENETRATION, SEE SECTION F/00M04.
3. POINT OF CONNECTION TO FILTRATE DRAIN.
4. RUN COMPRESSED AIR ALONG THE FLOOR UNDER THE EXISTING SLUDGE CONVEYOR TO EACH CHANNEL OF THE ROTARY PRESS PER MANUFACTURER RECOMMENDATIONS.
5. ROUTE 6" PROCESS DRAIN LINE TO THE EXISTING OPENING IN THE FLOOR SCH 80 PVC AND CONNECT TO 10" DRAIN LINE BELOW. PROVIDE NEW CHECKER PLATE COVER SIZED TO FULLY ENCLOSE THE FLOOR OPENING AROUND THE PIPE.
6. CORE DRILL HOLE FOR NEW 1 1/2" DIA UW LINE.
7. CORE DRILL HOLE FOR NEW 1 1/2" DIA POLYMER LINE. INCREASE POLYMER LINE TO 2" DIA ABOVE THE FLOOR SLAB.
8. CORE DRILL HOLE FOR NEW 3" WAS PIPE.
9. PROVIDE DUCTILE IRON 4"x10" WYE. TRANSITION PROCESS DRAIN PIPING UPSTREAM OF THE 4" BRANCH TO SCH 80 PVC.

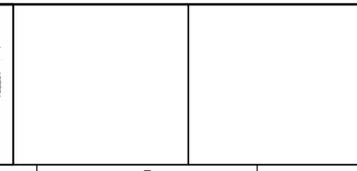


G SECTION
00M01 SCALE: 1/4" = 1'-0"

PLOT DATE: 5/13/2025 3:14:51 PM

REV	DATE	BY	DESCRIPTION

DESIGNED
ERA
DRAWN
DCS
CHECKED
CTA
DATE
MAY 2025



SNYDERVILLE BASIN WATER RECLAMATION DISTRICT
DEWATERING EQUIPMENT PREPURCHASE
MECHANICAL
SOLIDS BUILDING SECTION 2

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

JOB NO.
204042
DRAWING NO.
00M05
SHEET NO.
22 OF 42

ELECTRICAL PLAN SYMBOLS

ELECTRICAL ONE-LINE SYMBOLS

IDENTIFICATION SYMBOLS

- EQUIP #** EQUIPMENT AND INSTRUMENT IDENTIFICATION
- EQUIPMENT/INSTRUMENT LOCATOR
- LUMINAIRE IDENTIFICATION**
 - a = CIRCUIT DESIGNATION
 - b = DEVICE SWITCHED FROM
 - c = MOUNTING HEIGHT IN FEET TO BOTTOM OF FIXTURE
 - X = LUMINAIRE TYPE, REFER TO THE LUMINAIRE SCHEDULE
- CONDUIT IDENTIFICATION**
 - XXXX = CONDUIT NUMBER, REFER TO CONDUIT SCHEDULE UNLESS OTHERWISE NOTED, GROUPED CONDUITS ARE LABELED LEFT TO RIGHT OR TOP TO BOTTOM.
- INDICATES KEYNOTE X (PERTAINS ONLY TO SHEET WHERE NOTE IS FOUND)
- DISCONNECT SWITCH
A = TYPE, REFER TO DISCONNECT SCHEDULE
- CAMERA

LUMINAIRES

- LINEAR FIXTURE
- 2' X 2' LAY-IN TROFFER
- 2' X 4' LAY-IN TROFFER
- LUMINAIRE POLE MOUNTED
- LUMINAIRE, EMERGENCY BATTERY-POWERED
- LUMINAIRE, EMERGENCY/EXIT BATTERY-POWERED
- LUMINAIRE, EMERGENCY BATTERY-POWERED REMOTE
- LUMINAIRE, SURFACE OR PENDANT MOUNTED
- LUMINAIRE, WALL MOUNTED
- LUMINAIRE, FLOOD/SPOT
- LUMINAIRE, EXIT ONE OR TWO FACES AS INDICATED. ARROW POINTS IN DIRECTION OF EGRESS.

SWITCHES/RECEPTACLES

- SINGLE POLE SWITCH**
 - a = CIRCUIT DESIGNATION
 - b = DEVICE SWITCHED DESIGNATION
 - c = TYPE
 - 2 = DOUBLE POLE SWITCH
 - 3 = THREE-WAY SWITCH
 - 3P = THREE POSITION SWITCH
 - 4 = FOUR-WAY SWITCH
 - K = KEY OPERATED SWITCH
 - F = SWITCH AND FUSESTAT HOLDER
 - P = SWITCH AND PILOT LIGHT
 - T = THERMOSTAT
 - D = DIMMER SWITCH
 - L = LOW VOLTAGE LIGHT SWITCH
 - M = MANUAL MOTOR STARTER
 - N = NETWORKED SINGLE OR MULTIPLE SWITCH LOCATIONS
 - WP = WEATHER PROOF
- REFER TO ABBREVIATIONS LEGEND FOR ALL OTHER DESIGNATIONS.**
- OCCUPANCY SENSOR**
 - X = REFERENCE LIGHTING CONTROL COMPONENT SCHEDULE
 - a = CIRCUIT DESIGNATION
 - b = DEVICE SWITCHED DESIGNATION
 - c = MOUNTING HEIGHT IN FEET TO BOTTOM OF SENSOR
- PHOTOCELL**
- SWITCH AND SINGLE RECEPTACLE**
 - a = CIRCUIT DESIGNATION
 - b = DEVICE TYPE DESIGNATION
- DUPLEX RECEPTACLE**
- QUADRUPLUX RECEPTACLE**
- IN FLOOR DUPLEX RECEPTACLE**
- IN FLOOR QUADRUPLUX RECEPTACLE**
- DUPLEX RECEPTACLE w/SPLIT WIRE**
- DEDICATED RECEPTACLE**
- SPECIAL PURPOSE RECEPTACLE**
- WELDING RECEPTACLE**
 - a = CIRCUIT DESIGNATION
 - b = DISCONNECT TYPE
- TWIST LOCK RECEPTACLE**
 - a = AMP RATING
- TELEPHONE OUTLET**
- DATA COMMUNICATIONS OUTLET**
 - a = NETWORK SWITCH

FIRE ALARM

- FIRE ALARM CONTROL PANEL

RACEWAY

- EXPOSED CONDUIT
- BREAK AND CONTINUATION IN CONDUIT RUN
- EXPOSED CONDUIT HIDDEN BEHIND WALLS, FLOORS OR OTHER STRUCTURES
- UNDERGROUND CONDUIT, DIRECT BURIED OR IN DUCT BANK
- CONDUIT IN SLAB
- CONDUIT VERTICAL CHANGE IN DIRECTION
- CONDUIT CAP
- JUNCTION BOX
- CONDUIT SEAL
- CONDUIT TEE
- DUCT BANK APPROXIMATE DIMENSIONS SHOWN ON DUCT BANK SECTIONS

CONDUIT SIZE AND CONDUCTORS

- INDIVIDUAL CONDUCTORS**
 - W/C-(3-X (Ø), 1-Y (N) & 1-Z (G))
 - W/C (WHERE INDICATED); W = CONDUIT TRADE SIZE
 - 3-X (Ø):
 - 3 = QUANTITY
 - X = SIZE OF CONDUCTORS
 - (Ø) = DESIGNATES PHASE CONDUCTORS
 - 1-Y (N) (WHERE INDICATED):
 - 1 = QUANTITY
 - Y = SIZE OF CONDUCTORS
 - (N) = DESIGNATES NEUTRAL CONDUCTORS
 - 1-Z (G) (WHERE INDICATED):
 - 1 = QUANTITY
 - Z = SIZE OF CONDUCTORS
 - (G) = DESIGNATES GROUND CONDUCTORS
 - U{3-X (Ø) & 1-X (G)}
 - U = NUMBER OF PARALLEL RUNS
- VFD CONDUCTORS**
 - U{[N/C-X (Ø) & INTEGRAL (G)];VFD}
 - U = NUMBER OF PARALLEL RUNS
 - N/C = NUMBER OF PHASE CONDUCTORS IN CABLE
 - X = SIZE OF CONDUCTORS
 - VFD = VFD CABLE
- MULTI CONDUCTOR CABLES**
 - K/2/C#16S
 - K (WHERE INDICATED) = NUMBER OF PAIRS
 - 2/C#16S = TWO CONDUCTOR, 16 GAUGE, TWISTED SHIELDED PAIR
 - K/3/C#16S
 - K (WHERE INDICATED) = NUMBER OF TRIPLETS
 - 3/C#16S = THREE CONDUCTOR, 16 GAUGE, TWISTED SHIELDED TRIPLETS
- U{[N/C-X (Ø) & INTEGRAL (G)];MC}
 - U = NUMBER OF PARALLEL RUNS
 - MC = MULTICONDUCTOR CABLE
 - N/C = NUMBER OF PHASE CONDUCTORS IN THE CABLE
 - X = SIZE OF CONDUCTORS

GROUNDING

- UNDERGROUND GROUND CABLE #4/0 SDBC UNLESS OTHERWISE NOTED
- GROUND ROD
- GROUND ROD AND GROUND WELL

MEDIUM VOLTAGE

- CIRCUIT BREAKER, MEDIUM VOLTAGE
 - a = CIRCUIT BREAKER NUMBER
 - b = FRAME SIZE
- ANSI RELAY DEVICE
 - a = ANSI DEVICE FUNCTION
 - b = QUANTITY
- MEDIUM VOLTAGE DISCONNECT SWITCH NON-FUSED CUT OUT
- MEDIUM VOLTAGE DISCONNECTING FUSE SINGLE FUSE CUT OUT
- MEDIUM VOLTAGE DISCONNECTING FUSE DOUBLE FUSE CUT OUT
- MEDIUM VOLTAGE SINGLE FUSE
- MEDIUM VOLTAGE DOUBLE FUSE
- MEDIUM VOLTAGE LIVE FRONT TERMINATOR
- MEDIUM VOLTAGE ELBOW
- MEDIUM VOLTAGE TEE
- MEDIUM VOLTAGE CONTACTOR
- MEDIUM VOLTAGE STARTER
- MOV-ELBOW ARRESTER

LOW VOLTAGE

- LOW VOLTAGE CIRCUIT BREAKER
 - a = TYPE
 - MCP = MOTOR CIRCUIT PROTECTOR
 - TM = THERMAL MAGNETIC
 - SS = SOLID STATE
 - b = FRAME SIZE (MANUFACTURER TO DETERMINE FRAME SIZE UNLESS INDICATED)
 - c = NUMBER OF POLES
 - d = TRIP SETTING (AT = AMP TRIP) (AC = MCP CONTINUOUS RATING)
 - e = DESIGNATION
 - f = INTERRUPTING RATING
- LOW VOLTAGE CIRCUIT BREAKER AUXILIARY OPERATOR
 - * = SHUNT TRIP
 - = G = GROUND FAULT INTERRUPTER
 - = V = SOLENOID KEY RELEASE
- DISCONNECT SWITCH
 - A = TYPE, REFER TO DISCONNECT SCHEDULE
- FUSED DISCONNECT SWITCH
 - B = TYPE, REFER TO DISCONNECT SCHEDULE
 - b = FUSE RATING
- FUSE
- COMBINATION STARTER WITH CONTROL POWER TRANSFORMER
 - a = CIRCUIT BREAKER DISCONNECT, TYPE AS NOTED
 - b = STARTER TYPE REFER TO THE SPECIFICATIONS FOR STARTER DEFINITIONS.
 - c = NEMA STARTER SIZE
 - d = OVERLOAD
- MOTOR STARTER/DRIVES:
 - a = DEVICE TYPE
 - VFD-6 = 6-PULSE VFD
 - VFD-18 = 18-PULSE VFD
 - VFD-RH = REDUCED HARMONIC VFD (18-PULSE OR ACTIVE FRONT END AS DEFINED IN THE SPECIFICATIONS)
 - RVSS = REDUCED VOLTAGE SOLID STATE STARTER
 - RVAT = REDUCED VOLTAGE AUTO TRANSFORMER
 - a/B = DEVICE WITH BYPASS STARTER. REFER TO THE SPECIFICATIONS
- INPUT OPTIONS**
 - LL = LINE REACTOR
 - PHF = PASSIVE HARMONIC FILTER
- OUTPUT OPTIONS**
 - LR = LOAD REACTOR
 - DV/DT = Dv/dt FILTER
 - SWF = SINE WAVE FILTER
- EQUIPMENT ENCLOSURE

MISCELLANEOUS

- MOTOR
 - HP = HORSEPOWER RATING
 - FULL LOAD AMPS AS NOTED
- PACKAGED EQUIPMENT LOAD RATING AS INDICATED
 - a = RATED LOAD
 - b = UNIT (HP, KW, KVA) AS INDICATED
- TRANSFORMER
 - a = DEVICE I.D.
 - b = KVA RATING
 - c = NUMBER OF PHASES
 - d = PRIMARY VOLTAGE
 - e = SECONDARY VOLTAGE
 - f,g = CONNECTION TYPE SYMBOL
 - h = IMPEDANCE
- GROUNDED WYE CONNECTION
- DELTA CONNECTION
- ENGINE-GENERATOR RATINGS AS INDICATED ON THE DRAWINGS
 - a = KVA/KW
 - b = VOLTAGE/CONNECTION
 - c = PHASE
 - d = WIRE
 - e = PF
- CURRENT TRANSFORMER WITH SHORTING TERMINAL BLOCK
 - a = QUANTITY
 - b = RATIO
- POTENTIAL TRANSFORMER
 - a = QUANTITY
 - b = RATIO
 - c,d = CONNECTION TYPE SYMBOL
- SOLID STATE MULTIFUNCTION METER
- AMPERE TEST POINT
- VOLTAGE TEST POINT
- UTILITY METER
- LIGHTNING ARRESTER
- SURGE PROTECTIVE DEVICE
- DRAWOUT CONNECTION
- GROUND
- CAPACITOR
- BATTERY
- KIRK KEY INTERLOCK
- LOAD BANK

LAST SAVED BY: briez

DESIGNED	CE		
DRAWN	CE		
CHECKED	CAC		
DATE	MAY 2025		
REV	DATE	BY	DESCRIPTION
1			

DESIGNED BY: GUY C. EHLERS



SNYDERVILLE BASIN WATER RECLAMATION DISTRICT
DEWATERING EQUIPMENT PREPURCHASE
ELECTRICAL
LEGEND

VERIFY SCALES	JOB NO. 204042
BAR IS ONE INCH ON ORIGINAL DRAWING	DRAWING NO. 00GE01
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	SHEET NO. 23 OF 42

ABBREVIATIONS

POWER DEVICE FUNCTION NUMBERS

A	A	AMP	G	GROUND / EQUIPMENT GROUND / GROUND FAULT	O	OPEN OR OPENED	V	VOLT
	ABS	ABSOLUTE	GEN	GENERATOR	OH	OVERHEAD	VA	VOLT AMPERE
	AC	ALTERNATING CURRENT	GRC	GALVANIZED STEEL RIGID CONDUIT	OL	OVERLOAD RELAY	VAR	VARMETER
	ACK	ACKNOWLEDGE	GFCI	GROUND FAULT CIRCUIT INTERRUPTER (RECEPTACLE)	P	POLE	VCP	VENDOR CONTROL PANEL
	ACTR	ACTUATOR	GFI	GROUND FAULT INTERRUPTER (BREAKER)	PA	PUBLIC ADDRESS	VFD	VARIABLE FREQUENCY DRIVE
	AF	AMP FRAME	GFR	GROUND FAULT RELAY	PB	PUSHBUTTON / PULL BOX	VHF	VERY HIGH FREQUENCY
	AFC	AUTOMATIC FREQUENCY CONTROL	H	HOT-LEG	PCS	PVC COATED GALVANIZED STEEL CONDUIT	VM	VOLTMETER
	AIC	AMP INTERRUPTING CAPACITY	HF	HIGH FREQUENCY	PCM	PROCESS CONTROL MODULE	VP	VAPORPROOF
	AM	AMMETER	HP	HORSEPOWER	PE	PHOTOCELL	VR	VOLTAGE REGULATOR
	ANN	ANNUNCIATOR	HPS	HIGH PRESSURE SODIUM	PF	POWER FACTOR	VS	VOLTAGE SWITCH
	ANT	ANTENNA	HR	HOUR	PFCC	POWER FACTOR CORRECTION CAPACITOR	VT	VOLTAGE TRANSFORMER
	APU	AUXILIARY POWER UNIT	HSTAT	HUMIDISTAT	PFR	PHASE FAILURE RELAY	VTP	VOLTAGE TEST POINT
	ARM	ARMORED CABLE	HV	HIGH VOLTAGE	PH	PHASE	W	WATT / WEST
	AS	AMMETER SWITCH	HVAC	HEATING/VENTILATION/AIR CONDITIONING	PNL	PANEL	WT	WATER TIGHT
	ASYM	ASYMMETRICAL	HZ	HERTZ	PPX	POWER PANEL NO. X	WP	WEATHER PROOF
	AT	AMP TRIP	I	INSTANTANEOUS / INTERMITTENT LOAD	PRI	PRIMARY	XFMR	TRANSFORMER
	ATO	AUTOMATIC THROW OVER	IC	INTERRUPTING CAPACITY	PT	POTENTIAL TRANSFORMER		
B	ATP	AMMETER TEST POINT	IJB	INSTRUMENT JUNCTION BOX	PVC	POLYVINYL CHLORIDE RIGID PLASTIC CONDUIT		
	ATS	AUTOMATIC TRANSFER SWITCH	IMC	INTERMEDIATE METAL CONDUIT	PWR	POWER		
	AUTO XFMR	AUTOMATIC TRANSFORMER	INST	INSTANTANEOUS	RAC	RIGID ALUMINUM CONDUIT		
	AUX	AUXILIARY	INT	INTERLOCK	RECPT	RECEPTACLE		
	AWG	AMERICAN WIRE GAGE	INTERCOM	INTERCOMMUNICATION	REV	REVERSE		
	B	BELL	J	JUNCTION BOX	RF	RADIO FREQUENCY		
	BAT	BATTERY	K	KEY INTERLOCK	RMS	ROOT MEAN SQUARED		
	BFG	BELOW FINISHED GRADE	KA	KILOAMP	RVAT	REDUCED VOLTAGE AUTO TRANSFORMER		
	BHP	BRAKE HORSEPOWER	KV	KILOVOLT	RVNR	REDUCED VOLTAGE NON-REVERSING		
	BKR	BREAKER	KVA	KILOVOLT AMPERE	RVSS	REDUCED VOLTAGE SOLID STATE		
	BRF	BELOW RAISED FLOOR	KVAR	KILOVAR (REACTANCE)	S	SHIELD / SHORT-TIME		
	C	CONDUIT / CONTINUOUS LOAD	KW	KILOWATT	SA	SURGE ARRESTER		
	CB	CIRCUIT BREAKER	KWD	KILOWATT DEMAND	SC	SHORT CIRCUIT		
	CCTV	CLOSED CIRCUIT TELEVISION	KWH	KILOWATT HOUR	SDBC	SOFT DRAWN BARE COPPER		
	CCW	COUNTER CLOCKWISE	L	LONG-TIME	SFL	SUB FEED LUGS		
	CKT	CIRCUIT	L-B	LINE-BUS	SLT	SEALTIGHT LIQUIDTIGHT FLEXIBLE CONDUIT		
	COAX	COAXIAL CABLE	L-G	LINE-GROUND	SM	SURFACE MOUNTED		
	COM	COMMON	LA	LIGHTNING ARRESTOR	SP	SINGLE POLE		
	COMM	COMMUNICATION	LBL	LABEL	SPD	SURGE PROTECTIVE DEVICE		
	CPT	CONTROL POWER TRANSFORMER	LC	LIGHTING CONTACTOR	SPDT	SINGLE POLE DOUBLE THROW		
	CR	CONTROLLED RECEPTACLE	LCP - X	LOCAL CONTROL PANEL NO. X	SPST	SINGLE POLE SINGLE THROW		
	CS	CONTROL SWITCH	LL	LEAD-LAG LOAD REACTOR	SPKR	SPEAKER		
	CT	CURRENT TRANSFORMER	LP	LIGHT POLE	SS	SOLID STATE		
	CV	CONTROL VALVE	LP - X	LIGHTING PANEL NO. X	STB	SHORTING TERMINAL BLOCK		
	CW	CLOCKWISE / COOL WHITE	LTG	LIGHTING	SW	SWITCH		
	DC	DIRECT CURRENT	LV	LOW VOLTAGE	SWBD	SWITCHBOARD		
	DCS	DISTRIBUTED CONTROL SYSTEM	LVL	LEVEL	SWGR	SWITCHGEAR		
	DCU - X	DISTRIBUTED CONTROL UNIT NO. X	M-X	MOTOR CONTROLLER NO. X	SYM	SYMMETRICAL		
	DEMO	DEMOLITION	MA	MILLIAMPERE	TACH	TACHOMETER		
	DISC	DISCONNECT SWITCH	MCA	MOTOR CIRCUIT AMPS	TB - X	TERMINAL BLOCK - UNIT X		
	DM	DEMAND METER	MCC - X	MOTOR CONTROL CENTER NO. X	TC	THERMOCOUPLE / TIME CLOCK / TRAY CABLE		
	DPDT	DOUBLE POLE DOUBLE THROW	MCP	MOTOR CIRCUIT PROTECTOR	TD	TEMPERATURE DETECTOR RELAY		
	DPST	DOUBLE POLE SINGLE THROW	MH	MANHOLE / MOUNTING HEIGHT	TE	TOTALLY ENCLOSED		
	DS	DOOR SWITCH	MLO	MAIN LUGS ONLY	TEFC	TOTALLY ENCLOSED FAN COOLED		
	E/G	EMERGENCY GENERATOR	MOD	MOTOR OPERATED DAMPER	TENV	TOTALLY ENCLOSED NON-VENTILATED		
	EM	EMERGENCY	MOV	METAL OXIDE VARISTOR	TERM	TERMINAL		
	EMT	ELECTRICAL METALLIC TUBING	MPR	MOTOR PROTECTION RELAY	TJB	TERMINAL JUNCTION BOX		
	ENCL	ENCLOSURE	MS-X	MOTOR STARTER NO. X	TM	THERMAL MAGNETIC		
	ENG	ENGINE	MSP	MOTOR STARTING PANEL	TP	TWISTED PAIR		
	ENT	ELECTRICAL NON-METALLIC TUBING	MTO	MANUAL THROW OVER	TS	TEMPERATURE SWITCH		
	EP	EXPLOSION PROOF	MTR-X	MOTOR NO. X	TS1W	TWO SPEED CONSEQUENT POLE, ONE WINDING		
	ETM	ELAPSED TIME METER	MVS	MEDIUM VOLTAGE SWITCH	TS2W	TWO SPEED SEPARATE WINDING		
	F	SUB-FED	MW	MEGAWATT	TSTAT	THERMOSTAT		
	FA	FIRE ALARM	N	NEUTRAL	UHF	ULTRA HIGH FREQUENCY		
	FACP	FIRE ALARM CONTROL PANEL	NC	NORMALLY CLOSED	UNG	UNGROUNDING		
	FDR	FEEDER	NEC	NATIONAL ELECTRICAL CODE	UPS	UNINTERRUPTIBLE POWER SUPPLY		
	FLA	FULL LOAD AMPS	NFC	NONMETALLIC FLEXIBLE CONDUIT	UVR	UNDER VOLTAGE RELAY		
	FLX	FLEXIBLE CONDUIT	NL	NIGHT LIGHT				
	FO	FIBER OPTIC	NO	NORMALLY OPEN				
	FRC	FIBERGLASS RIGID CONDUIT	NP	NAMEPLATE				
	FREQ	FREQUENCY						
	FU	FUSE						
	FU SW	FUSED SWITCH						
	FVNR	FULL VOLTAGE NON-REVERSING						
	FVR	FULL VOLTAGE REVERSING						
	FWD	FORWARD						

1	MASTER ELEMENT	81	FREQUENCY RELAY
2	TIME-DELAY STARTING OR CLOSING RELAY	82	DC LOAD MEASURING RECLOSING RELAY
3	CHECKING OR INTERLOCKING RELAY	83	AUTOMATIC SELECTIVE CONTROL OR TRANSFER RELAY
4	MASTER CONTACTOR	84	OPERATING MECHANISM
5	STOPPING DEVICE	85	PILOT COMMUNICATIONS, CARRIER OR PILOT-WIRE RELAY
6	STARTING CIRCUIT BREAKER	86	LOCKOUT RELAY
7	ANODE CIRCUIT BREAKER	87	DIFFERENTIAL PROTECTIVE RELAY
8	CONTROL POWER DISCONNECTING DEVICE	88	AUXILIARY MOTOR OR MOTOR GENERATOR
9	REVERSING DEVICE	89	LINE SWITCH
10	UNIT SEQUENCE SWITCH	90	REGULATING DEVICE
11	MULTIFUNCTION DEVICE	91	VOLTAGE DIRECTIONAL RELAY
12	OVER-SPEED DEVICE	92	VOLTAGE AND POWER DIRECTIONAL RELAY
13	SYNCHRONOUS-SPEED DEVICE	93	FIELD-CHANGING CONTACTOR
14	UNDER-SPEED DEVICE	94	TRIPPING OR TRIP-FREE RELAY
15	SPEED OR FREQUENCY MATCHING DEVICE		
16	DATA COMMUNICATIONS DEVICE		
17	SHUNTING OR DISCHARGE SWITCH		
18	ACCELERATING OR DECELERATING DEVICE		
19	STARTING-TO-RUNNING TRANSITION CONTACTOR		
20	ELECTRICALLY OPERATED VALVE		
21	DISTANCE RELAY		
22	EQUALIZER CIRCUIT BREAKER		
23	TEMPERATURE CONTROL DEVICE		
24	VOLTS PER HERTZ RELAY		
25	SYNCHRONIZING OR SYNCHRONISM-CHECK DEVICE		
26	APPARATUS THERMAL DEVICE		
27	UNDERVOLTAGE RELAY		
27N	GROUND FAULT UNDERVOLTAGE RELAY		
28	FLAME DETECTOR		
29	ISOLATING CONTACTOR		
30	ANNUNCIATOR RELAY		
31	SEPARATE EXCITATION DEVICE		
32	DIRECTIONAL POWER RELAY		
33	POSITION SWITCH		
34	MASTER SEQUENCE DEVICE		
35	BRUSH-OPERATING OR SLIP-RING SHORT-CIRCUITING DEVICE		
36	POLARITY DEVICE		
37	UNDERCURRENT OR UNDERPOWER RELAY		
38	BEARING PROTECTIVE DEVICE		
39	MECHANICAL CONDITION MONITOR		
40	FIELD RELAY		
41	FIELD CIRCUIT BREAKER		
42	RUNNING CIRCUIT BREAKER		
43	MANUAL TRANSFER OR SELECTOR DEVICE		
44	UNIT SEQUENCE STARTING RELAY		
45	ABNORMAL ATMOSPHERIC CONDITION MONITOR		
46	REVERSE-PHASE OR BALANCE CURRENT RELAY		
47	PHASE-BALANCE OR PHASE-SEQUENCE VOLTAGE RELAY		
48	INCOMPLETE SEQUENCE RELAY		
49	MACHINE OR TRANSFORMER THERMAL RELAY		
50	INSTANTANEOUS OVERCURRENT RELAY		
51	AC TIME OVERCURRENT RELAY		
52	AC CIRCUIT BREAKER		
53	FIELD EXCITATION RELAY		
54	TURNING GEAR ENGAGING DEVICE		
55	POWER FACTOR RELAY		
56	FIELD APPLICATION RELAY		
57	SHORT-CIRCUITING OR GROUNDING DEVICE		
58	RECTIFICATION FAILURE RELAY		
59	OVERVOLTAGE RELAY		
60	VOLTAGE OR CURRENT BALANCE RELAY		
61	DENSITY SWITCH OR SENSOR		
62	TIME-DELAY STOPPING OR OPENING RELAY		
63	PRESSURE SWITCH		
64	GROUND DETECTOR RELAY		
65	GOVERNOR		
66	NOTCHING OR JOGGING DEVICE		
67	AC DIRECTIONAL OVERCURRENT RELAY		
68	BLOCKING OR OUT OF STEP RELAY		
69	PERMISSIVE CONTROL DEVICE		
70	RHEOSTAT		
71	LIQUID LEVEL SWITCH		
72	DC CIRCUIT BREAKER		
73	LOAD-RESISTOR CONTACTOR		
74	ALARM RELAY		
75	POSITION CHANGING MECHANISM		
76	DC OVERCURRENT RELAY		
77	TELEMETERING DEVICE		
78	PHASE-ANGLE MEASURING RELAY		
79	AC RECLOSING RELAY		
80	FLOW SWITCH		

COMMONLY USED SUFFIX LETTER APPLIED TO POWER DEVICE FUNCTION NUMBERS

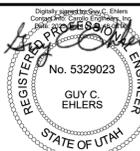
A	ALARM ONLY
B	BUS PROTECTION
G	GROUND FAULT PROTECTION (RELAY CT IN A SYSTEM NEUTRAL CIRCUIT OR GENERATOR PROTECTION)
GS	GROUND FAULT PROTECTION (RELAY CT IN TOROIDAL OR GROUND SENSOR TYPE)
L	LINE PROTECTION
M	MOTOR PROTECTION
N	GROUND FAULT PROTECTION (RELAY COIL CONNECTED IN RESIDUAL CT CIRCUIT)
T	TRANSFORMER PROTECTION
V	VOLTAGE
P	PHASE PROTECTION

ABBREVIATIONS

AFD	ARC FLASH DETECTOR
CLK	CLOCK OR RIMING SOURCE
DDR	DYNAMIC DISTURBANCE RECORDER
DFR	DIGITAL FAULT RECORDER
ENV	ENVIRONMENTAL DATA
HIZ	HIGH IMPEDANCE FAULT DETECTOR
HMI	HUMAN MACHINE INTERFACE
HST	HISTORIAN
LGC	SCHEME LOGIC
MET	SUBSTATION METERING
PDC	PHASOR DATA CONCENTRATOR
PMU	PHASOR MEASUREMENT UNIT
PQM	POWER QUALITY MONITOR
RIO	REMOTE I/O DEVICE
RTU	REMOTE TELEMETRY UNIT/REMOTE TERMINAL UNIT
SER	SEQUENCE OF EVENTS RECORDER
TCM	TRIP CIRCUIT MONITOR

NOTES:
1. REFER TO SPECIFICATIONS AND OTHER DRAWINGS FOR ADDITIONAL ABBREVIATIONS.

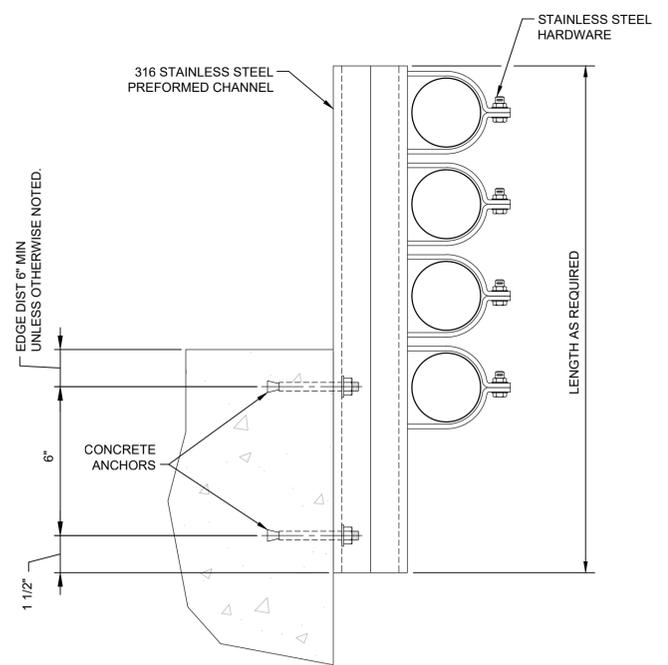
DESIGNED	CE
DRAWN	CE
CHECKED	CAC
DATE	MAY 2025



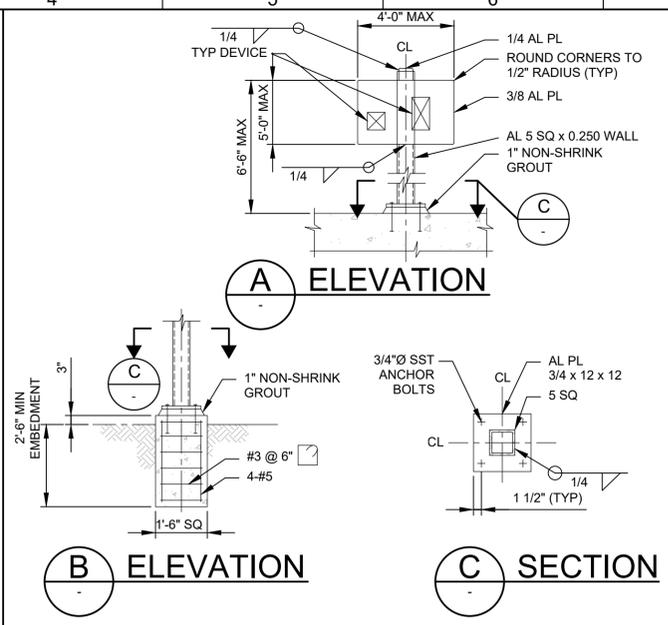

SNYDERVILLE BASIN WATER RECLAMATION DISTRICT
DEWATERING EQUIPMENT PREPURCHASE
ELECTRICAL
ABBREVIATIONS

VERIFY SCALES	JOB NO. 204042
BAR IS ONE INCH ON ORIGINAL DRAWING	DRAWING NO. 00GE02
0 1"	SHEET NO. 24 OF 42
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	

LAST SAVED BY: briez



EM103 CONDUIT SUPPORT
TYP



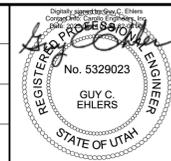
EM202 DEVICE SUPPORT AND MOUNTING
TYP

GENERAL NOTES:

1. USE ELEVATION B WHERE A SEPARATE FOUNDATION IS REQUIRED.
2. COAT ALUMINUM SURFACES IN CONTACT W/ CONCRETE PER SPECIFICATIONS.
3. USE STAINLESS STEEL FASTENERS FOR MOUNTING DEVICES.
4. WEIGHT OF DEVICE(S) SHALL NOT EXCEED 300 POUNDS.

REV	DATE	BY	DESCRIPTION

DESIGNED
CE
DRAWN
CE
CHECKED
CAC
DATE
MAY 2025



SNYDERVILLE BASIN WATER RECLAMATION DISTRICT
DEWATERING EQUIPMENT PREPURCHASE
TYPICAL DETAILS
ELECTRICAL 1

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

JOB NO. 204042
DRAWING NO. **00TE01**
SHEET NO. 25 OF 42

KEY NOTES

1. LABEL CIRCUIT BREAKERS ONCE FEEDING DEWATERING CENTRIFUGES AS "SPARE".

GENERAL
ELECTRIC
8000-LINE

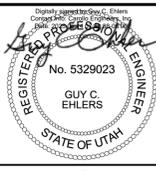
SPACE	SPACE	SPACE	S409	S417	SPACE	SPACE
S400	SPACE	SPACE	S410	S418	S422	SPACE
	SPACE	SPACE		S419	SPACE	
SPACE	S406	SPACE	SPACE	S420	SPACE	SPACE
S401	S407	S408	S411	S421	SPACE	S423
S402			S412			
S403			S413			
S404			S414			
S405			S415			
SPACE			S416			

A ELEVATION - MCC "S"
ESP01 NTS

LAST SAVED BY: tbeiz

REV	DATE	BY	DESCRIPTION

DESIGNED GE
DRAWN GE
CHECKED CAC
DATE MAY 2025

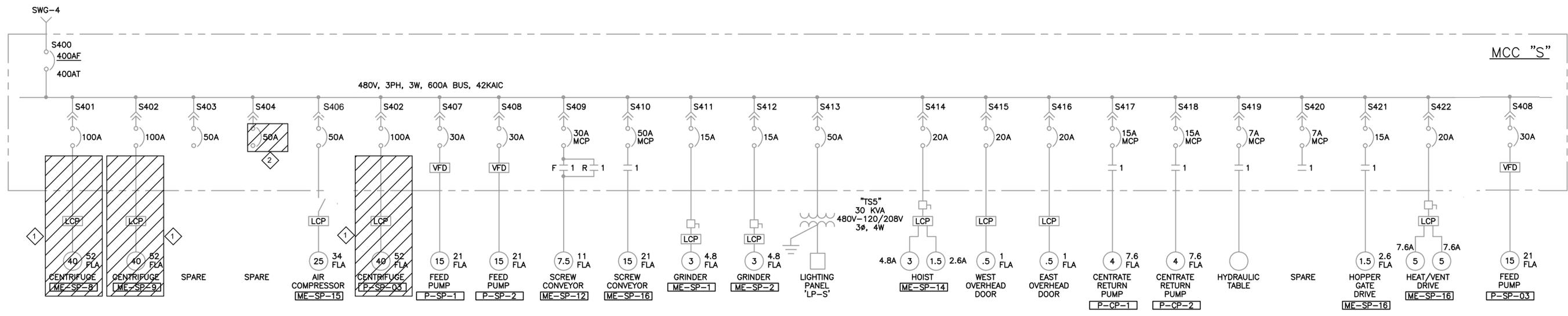


SNYDERVILLE BASIN WATER RECLAMATION DISTRICT
DEWATERING EQUIPMENT PREPURCHASE
ELECTRICAL
MCC-S DEMO
ELEVATION

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

JOB NO.
204042
DRAWING NO.
00DE01
SHEET NO.
26 OF 42

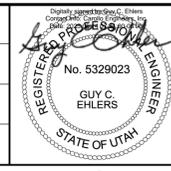
- # KEY NOTES
- DEMOLISH EXISTING CENTRIFUGES, ASSOCIATED EXPOSED CONDUIT, WIRE, AND CONTROLS. SURRENDER EQUIPMENT TO OWNER.
 - REPLACE BREAKER ONLY IF POSSIBLE. IF NOT POSSIBLE (DUE TO BREAKER OBSOLESCENCE), REPLACE ENTIRE BUCKET.



LAST SAVED BY: tbleiz

REV	DATE	BY	DESCRIPTION
1			
2			
3			

DESIGNED
GE
DRAWN
GE
CHECKED
CAC
DATE
MAY 2025



SNYDERVILLE BASIN WATER RECLAMATION DISTRICT
DEWATERING EQUIPMENT PREPURCHASE
ELECTRICAL
MCC-S DEMO
ONE-LINE DIAGRAM

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

JOB NO.
204042
DRAWING NO.
00DE02
SHEET NO.
27 OF 42

GENERAL
ELECTRIC
8000-LINE

SPACE	SPACE	SPACE	S409	S417	SPACE	SPACE
S400	SPACE	SPACE	S410	S418	S422	SPACE
	SPACE	SPACE		S419	SPACE	
SPACE	S406	SPACE	SPACE	S419	SPACE	SPACE
S401	S407	S408	S411	S420	SPACE	S423
S402			S412		SPACE	
S403			S413	SPACE		
S404			S414	S421		
S405			S415			
SPACE			S416	SPACE		

A ELEVATION - MCC "S"
ESP01 NTS

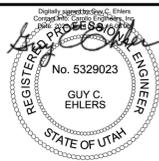
S403 VCP2-26120
FOURNIER
POWER PANEL

S404 ARC-26100
AIR
COMPRESSOR

LAST SAVED BY: tbleiz

REV	DATE	BY	DESCRIPTION

DESIGNED
GE
DRAWN
GE
CHECKED
CAC
DATE
MAY 2025



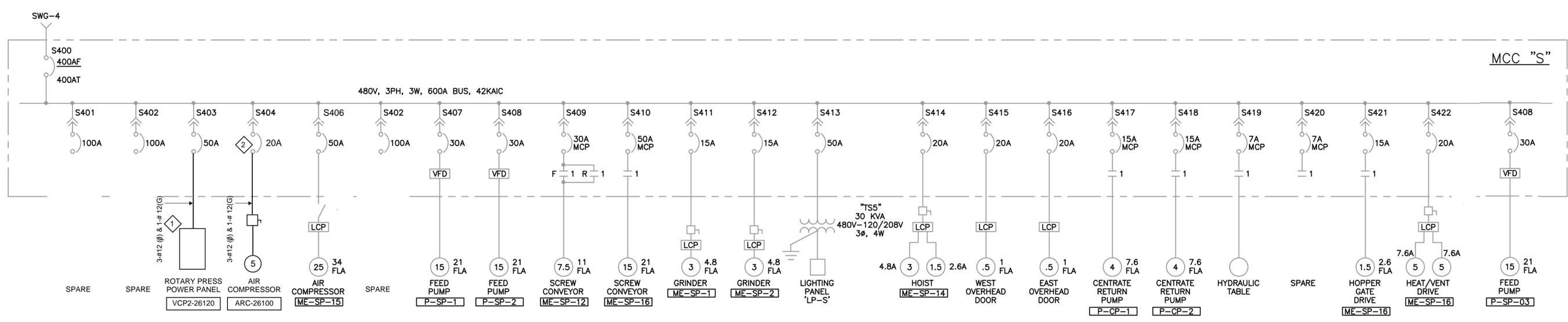
SNYDERVILLE BASIN WATER RECLAMATION DISTRICT
DEWATERING EQUIPMENT PREPURCHASE
ELECTRICAL
MCC-S
ELEVATION

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

JOB NO.
204042
DRAWING NO.
00E01
SHEET NO.
28 OF 42

KEY NOTES

1. FURNISH AND INSTALL ROTARY PRESS POWER PANEL.
2. REPLACE EXISTING BREAKER WITH TRIP UNIT SHOWN. REFER TO KEYNOTE 2 ON 00DE02.



LAST SAVED BY: tbleiz

REV	DATE	BY	DESCRIPTION

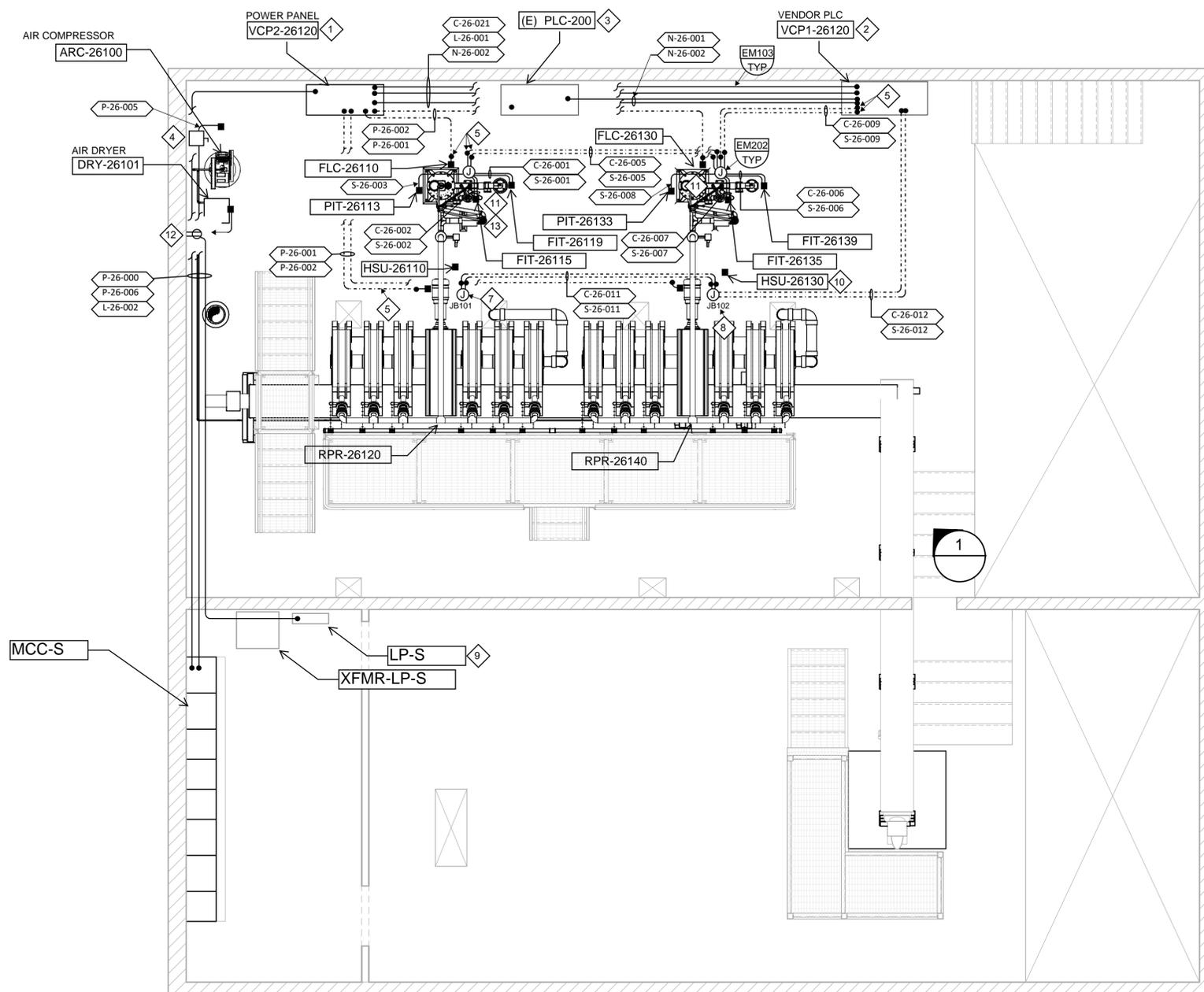
DESIGNED
GE
DRAWN
GE
CHECKED
CAC
DATE
MAY 2025



SNYDERVILLE BASIN WATER RECLAMATION DISTRICT
DEWATERING EQUIPMENT PREPURCHASE
ELECTRICAL
MCC-S
ONE-LINE DIAGRAM

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

JOB NO.
204042
DRAWING NO.
00E02
SHEET NO.
29 OF 42



- GENERAL NOTES**
1. DEPICTIONS OF EXISTING EQUIPMENT IS PROVIDED BY OTHERS. AS SUCH, NO GUARANTEES OF ACCURACY ARE IMPLIED. FIELD VERIFY EXISTING SITE CONDITIONS PRIOR TO PERFORMING THE WORK.
 2. EXISTING LIGHTING MAY INTERFERE WITH NEW PROCESS PIPING AND STRUCTURAL MODIFICATIONS. IF SO, PROVIDE J-BOX AT THE LOCATION(S) OF EXISTING LIGHTS. MOVE LIGHT(S) TO AVOID OBSTRUCTION(S) AND PROVIDE CONDUIT AND WIRE FROM LIGHT(S) TO J-BOX, AND RE-CONNECT. FIELD INVESTIGATE PRIOR TO PERFORMING WORK.
- KEY NOTES:**
1. FOURNIER POWER PANEL CONTAINING ROTARY PRESS VFDs. DESIGNATED AS LPP101 BY FOURNIER.
 2. FOURNIER PLC PANEL. DESIGNATED AS LCP101 BY FOURNIER.
 3. EXISTING PLANT PLC PANEL
 4. DISCONNECT: 600 VAC, 3P, 30A, NEMA 4X.
 5. TO PREVENT TRIP HAZARDS: CORE DRILL THE EXISTING FLOOR SLAB. RUN CONDUIT EXPOSED, WITH CONDUIT ATTACHED TO CEILING OF BASEMENT BELOW. CORE DRILL PENETRATIONS UNDER OR NEAR EQUIPMENT WHERE CONDUIT IS TO TERMINATE. TYP.
 6. DEMOLISH EXISTING CONTROL PANELS.
 7. JB101. PROVIDED BY VENDOR
 8. JB102. PROVIDED BY VENDOR
 9. PROVIDE 20 AMP, 1-POLE CIRCUIT BREAKER(S) FOR LP-S. PROVIDE NEW LIGHTING PANEL SCHEDULE. COORDINATE CIRCUIT(S) TO BE USED WITH THE OWNER
 10. E-STOP IS PRE-WIRED TO J-BOX BY VENDOR. TYP.
 11. PROVIDE CONDUIT AND WIRE (NOT SHOWN) FOR FLOCCULATOR DEWATERING AND RECIRCULATION VALVES ROUTED TO NEARBY J-BOXES. TYP-2 FLOCCULATORS.
 12. PROVIDE RECEPTACLE FOR AIR DRYER
 13. PROVIDE CONDUIT AND WIRE (NOT SHOWN) FOR POLYMER PROPORTIONING VALVES FCV-26115 AND FCV-26135. SEE DRAWING 00M03. TYP-2 UNITS



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

1 PHOTO

PLOT DATE: 5/12/2025 8:57:46 AM

REV	DATE	BY	DESCRIPTION
1			
2			
3			

DESIGNED GE	
DRAWN GE	
CHECKED CAC	
DATE MAY 2025	



SNYDERVILLE BASIN WATER RECLAMATION DISTRICT
DEWATERING EQUIPMENT PREPURCHASE
ELECTRICAL
**SOLIDS BUILDING
POWER AND CONTROL PLAN**

VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING 0 1"	JOB NO. 204042
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	DRAWING NO. 00E03
	SHEET NO. 30 OF 42

SYMBOL	DRAWING VISIBLE FIELDS	FIELD - 1	FIELD - 2	FIELD - 3	FIELD - 4	FIELD - 5	FIELD - 6	FIELD - 7	FIELD - 8
HMI/SCADA SYSTEM OPERATOR INTERFACE TERMINAL		1 - TAG111 2 - LOOP NUMBER 3 - FUNCTION 4 - DESCRIPTION 5 - DESCRIPTION 6 - EXISTING/FUTURE	REFER	REFER	ACTION ALARM SP - NUMERIC STATUS - SET POINT TREND	DESCRIPTION	DESCRIPTION	E - EXISTING F - FUTURE	
HARDWIRED I/O POINT		1 - TAG 2 - LOOP NUMBER 3 - FUNCTION 4 - DESCRIPTION 5 - LOCATION 6 - EXISTING/FUTURE 7 - IO TABLE	REFER	REFER	AI - ANALOG INPUT AO - ANALOG OUTPUT DI - DISCRETE INPUT DO - DISCRETE OUTPUT RTD - RTD INPUT	DESCRIPTION	PAC - PROGRAMMABLE AUTOMATION CONTROLLER NO. PLC - PROGRAMMABLE LOGIC CONTROLLER NO. RIO - REMOTE I/O VCP - VENDOR CONTROL PANEL NO.	E - EXISTING F - FUTURE	
NETWORK / SOFT I/O		1 - TAG 2 - LOOP NUMBER 3 - PROTOCOL 4 - PANEL 5 - PLC 6 - EXISTING/FUTURE 7 - IO TABLE 8 - SWITCH/SEGMENT	REFER	REFER	COMMUNICATION PROTOCOL CNET - CONTROLNET DNET - DEVICENET EIP - ETHERNET/IP FF - FOUNDATION FIELDBUS HART-IP - HART OVER ETHERNET MANF - MFR. PROPRIETARY MBRTU - MODBUS RTU MB+ - MODBUS PLUS MBTCP - MODBUS TCP DP - PROFIBUS DP PA - PROFIBUS PA PNET - PROFINET SNMP - SNMPv3 HTTP - WEB SERVER (TCP/IP)	DESCRIPTION	PAC - PROGRAMMABLE AUTOMATION CONTROLLER NO. PLC - PROGRAMMABLE LOGIC CONTROLLER NO. RIO - REMOTE I/O VCP - VENDOR CONTROL PANEL NO.	E - EXISTING F - FUTURE	
LOCAL OPERATOR INTERFACE		1 - TAG 2 - LOOP NUMBER 3 - FUNCTION 4 - DESCRIPTION 5 - LOCATION 6 - EXISTING/FUTURE	REFER	REFER	ACTION ALARM SP - NUMERIC STATUS - SET POINT TREND	DESCRIPTION	LOI - LOCAL OPERATOR INTERFACE NO. LCP - LOCAL CONTROL PANEL NO. PCM - PROCESS CONTROL MODULE NO. VCP - VENDOR CONTROL PANEL NO.	E - EXISTING F - FUTURE	
PILOT DEVICE OPERATOR INTERFACE		1 - TAG 2 - LOOP NUMBER 3 - FUNCTION 4 - DESCRIPTION 5 - LOCATION 6 - EXISTING/FUTURE	REFER	REFER	AM - AUTO/MANUAL BYPASS - BY PASS ESD - EQUIPMENT SHUTDOWN HOA - HAND/OFF/AUTO LOR - LOCAL/OFF/REMOTE LOS - LOCK OUT STOP LS - LEAD/STANDBY LSR - LOCAL/STOP/REMOTE OC - OPEN/CLOSE OO - OFF/ON OSC - OPEN/STOP/CLOSE RST - RESET SEL - SELECT SPD - SPEED SS - START/STOP ST - STOP	DESCRIPTION	LCP - LOCAL CONTROL PANEL NO. MCC - MOTOR CONTROL CENTER NO. PCM - PROCESS CONTROL MODULE NO. VCP - VENDOR CONTROL PANEL NO. VFD - VARIABLE FREQUENCY DRIVE NO.	E - EXISTING F - FUTURE	
POWER DEVICE PRIMARY FUNCTION OPERATOR ACCESSIBLE		1 - TAG 2 - LOOP NUMBER 3 - FUNCTION 4 - VOLTAGE-POLE 5 - LOCATION 6 - EXISTING/FUTURE	CB - CIRCUIT BREAKER DISC - DISCONNECT FU - FUSE	REFER	TM - THERMAL MAGNETIC CIRCUIT BREAKER	DESCRIPTION	DP - DISTRIBUTION PANEL NO. LCP - LOCAL CONTROL PANEL NO. LP - LIGHTING PANEL NO. MCC - MOTOR CONTROL CENTER NO. PCM - PROCESS CONTROL MODULE NO. PP - POWER PANEL NO. VCP - VENDOR CONTROL PANEL NO.	E - EXISTING F - FUTURE	
POWER DEVICE AUXILIARY FUNCTION OPERATOR ACCESSIBLE		1 - TAG 2 - LOOP NUMBER 3 - DESCRIPTION 4 - DESCRIPTION 5 - DESCRIPTION 6 - EXISTING/FUTURE	DISC - DISCONNECT	REFER	DESCRIPTION	DESCRIPTION	DESCRIPTION	E - EXISTING F - FUTURE	
POWER DEVICE PRIMARY FUNCTION OPERATOR INACCESSIBLE		1 - TAG 2 - LOOP NUMBER 3 - FUNCTION 4 - VOLTAGE-POLE 5 - LOCATION 6 - EXISTING/FUTURE	CB - CIRCUIT BREAKER FU - FUSE	REFER	MCP - MOTOR CIRCUIT PROTECTOR SS - SOLID STATE CIRCUIT BREAKER TM - THERMAL MAGNETIC CIRCUIT BREAKER	DESCRIPTION	DP - DISTRIBUTION PANEL NO. LCP - LOCAL CONTROL PANEL NO. LP - LIGHTING PANEL NO. MCC - MOTOR CONTROL CENTER NO. PCM - PROCESS CONTROL MODULE NO. PP - POWER PANEL NO. VCP - VENDOR CONTROL PANEL NO.	E - EXISTING F - FUTURE	
FIELD EQUIPMENT STARTER / DRIVE CUBICLE / CABINET		1 - TAG 2 - LOOP NUMBER 3 - TYPE 4 - VOLTAGE-POLE 5 - POWER SOURCE 6 - EXISTING/FUTURE	MS - MOTOR STARTER RVAT - REDUCED VOLTAGE AUTO TRANSFORMER STARTER RVSS - REDUCED VOLTAGE SOLID STATE STARTER VFD - VARIABLE FREQUENCY DRIVE	REFER	FVNR - FULL VOLTAGE NON-REVERSING STARTER FVR - FULL VOLTAGE REVERSING STARTER PWS - PART-WINDING STARTER RVAT - REDUCED VOLTAGE AUTO TRANSFORMER STARTER RVSS - REDUCED VOLTAGE SOLID STATE STARTER TS1W - TWO SPEED SINGLE WINDING TS2W - TWO SPEED TWO WINDINGS VFD - VARIABLE FREQUENCY DRIVE	DESCRIPTION	LCP - LOCAL CONTROL PANEL NO. MCC - MOTOR CONTROL CENTER NO. PCM - PROCESS CONTROL MODULE NO. VCP - VENDOR CONTROL PANEL NO.	E - EXISTING F - FUTURE	

SYMBOL	DRAWING VISIBLE FIELDS	FIELD - 1	FIELD - 2	FIELD - 3	FIELD - 4	FIELD - 5	FIELD - 6	FIELD - 7	FIELD - 8
INSTRUMENT PRIMARY ELEMENT		1 - TAG 2 - LOOP NUMBER 3 - FUNCTION 4 - FURNISHED BY 5 - LOCATION 6 - EXISTING/FUTURE	REFER	REFER	DESCRIPTION	DESCRIPTION	AREA NO. BUILDING NO. ROOM NO.	E - EXISTING F - FUTURE	
INSTRUMENT/CONTROL ELEMENT PRIMARY FUNCTION OPERATOR ACCESSIBLE		1 - TAG 2 - LOOP NUMBER 3 - FUNCTION 4 - FURNISHED BY 5 - LOCATION 6 - EXISTING/FUTURE	REFER	REFER	DESCRIPTION	DESCRIPTION	DESCRIPTION INT - INTEGRAL REM - REMOTE	E - EXISTING F - FUTURE	OUT - OUTDOOR
INSTRUMENT/CONTROL ELEMENT AUXILIARY FUNCTION OPERATOR ACCESSIBLE		1 - TAG 2 - LOOP NUMBER 3 - FUNCTION 4 - FURNISHED BY 5 - LOCATION 6 - EXISTING/FUTURE	REFER	REFER	DESCRIPTION	DESCRIPTION	DESCRIPTION	E - EXISTING F - FUTURE	
INSTRUMENT/CONTROL ELEMENT PRIMARY FUNCTION OPERATOR INACCESSIBLE		1 - TAG 2 - LOOP NUMBER 3 - FUNCTION 4 - FURNISHED BY 5 - LOCATION 6 - EXISTING/FUTURE	REFER	REFER	DESCRIPTION	DESCRIPTION	DESCRIPTION XR - PROTECTION RELAY CR - CONTROL RELAY XR - INTERPOSING RELAY	E - EXISTING F - FUTURE	
INSTRUMENT/CONTROL ELEMENT AUXILIARY FUNCTION OPERATOR INACCESSIBLE		1 - TAG 2 - LOOP NUMBER 3 - FUNCTION 4 - FURNISHED BY 5 - LOCATION 6 - EXISTING/FUTURE	REFER	REFER	DESCRIPTION	DESCRIPTION	DESCRIPTION	E - EXISTING F - FUTURE	
FIELD EQUIPMENT NON-POWERED		1 - TAG 2 - LOOP NUMBER 3 - FUNCTION/SIZE 4 - FURNISHED BY 5 - LOCATION 6 - EXISTING/FUTURE	REFER	REFER	DESCRIPTION	DESCRIPTION	AREA NO. BUILDING NO. ROOM NO.	E - EXISTING F - FUTURE	
FIELD EQUIPMENT POWERED PRIMARY FUNCTION OPERATOR ACCESSIBLE		1 - TAG 2 - LOOP NUMBER 3 - FUNCTION 4 - FURNISHED BY 5 - LOCATION 6 - EXISTING/FUTURE	REFER	REFER	DESCRIPTION	DESCRIPTION	AREA NO. BUILDING NO. ROOM NO.	E - EXISTING F - FUTURE	
FIELD EQUIPMENT AUXILIARY FUNCTION OPERATOR ACCESSIBLE		1 - TAG 2 - LOOP NUMBER 3 - FUNCTION 4 - FURNISHED BY 5 - LOCATION 6 - EXISTING/FUTURE	MWH - MOTOR WINDING HEATER TSH - TEMPERATURE SWITCH XSH - TORQUE SWITCH	REFER	DESCRIPTION	DESCRIPTION	DESCRIPTION	E - EXISTING F - FUTURE	

INSTRUMENT BUBBLE LOCATIONS	NOTES
PCS	<ul style="list-style-type: none"> 1 INSTRUMENT TAG IDENTIFICATION LETTERS TABLE 2 OPERATOR PILOT DEVICE LEGEND 3 EQUIPMENT TAGGING TABLE 4 I/O TYPE DESIGNATIONS 5 INSTRUMENT TYPE DESIGNATIONS TABLE 6 FURNISHED BY: FBO FURNISHED BY OWNER FBV FURNISHED BY VENDOR 7 PROVIDED BY: PBO PROVIDED BY OWNER PBV PROVIDED BY VENDOR
I/O	
OPERATOR INTERFACE CONTROL DEVICES	
POWER SOURCE	
FIELD	

LAST SAVED BY: CROLLINS

REV	DATE	BY	DESCRIPTION
1			
2			
3			
4			
5			

DESIGNED CE
DRAWN CE
CHECKED CE
DATE MAY 2025

Registered Professional Engineer
No. 5612657
MATTHEW G. HATCH
STATE OF UTAH



SNYDERVILLE BASIN WATER RECLAMATION DISTRICT
DEWATERING EQUIPMENT PREPURCHASE
INSTRUMENTATION
SYMBOLS AND ABBREVIATIONS 1

VERIFY SCALES
JOB NO. 204042
DRAWING NO. 00GN01
SHEET NO. 31 OF 42

A
B
C
D
E
F
G

INSTRUMENT TAG IDENTIFICATION LETTERS

MEASURED VARIABLE	INSTRUMENTATION FUNCTION																									
	ELEMENT	TRANSMITTER	INDICATING TRANSMITTER	CONVERTER TRANSDUCER RELAY SPECIAL DEVICES	INDICATOR	RECORDER	CONTROL COMMAND	INDICATING CONTROLLER	RECORDING CONTROLLER	SWITCH	SWITCH LOW LOW	SWITCH LOW	SWITCH HIGH	SWITCH HIGH HIGH	SWITCH COMBINATION HIGH LOW	ACTION	ALARM LOW LOW	ALARM LOW	ALARM HIGH	ALARM HIGH HIGH	TOTALIZE INDICATOR TRANSMITTER	VALVE	GAUGE	LIGHT	SPEED SETTING	
A	ANALYSIS	AE	AT	AIT	AY	AI	AR	AC	AIC	ARC	AS	ASLL	ASL	ASH	ASHH	ASHL	AALL	AAL	AAH	AAHH				AL		
C	CONDUCTIVITY	CE	CT	CIT	CY	CI	CR	CC	CIC	CRC	CS	CSLL	CSL	CSH	CSHH	CSHL	CALL	CAL	CAH	CAHH				CL		
D	DENSITY	DE	DT	DIT	DY	DI	DR	DC	DIC	DRC	DS	DSLL	DSL	DSH	DSHH	DSHL	DALL	DAL	DAH	DAHH				DL		
E	VOLTAGE																									
F	FLOW	FE	FT	FIT	FY	FI	FR	FC	FIC	FRC	FS	FSLL	FSL	FSH	FSHH	FSHL	FALL	FAL	FAH	FAHH	FQI	FCV	FG	FL		
H	HAND (MANUAL)*							HC		HS*							HA*					HV	HL	HSS		
I	CURRENT		IT	IIT	IY	II	IR	IC	IIC	IRC	IS	ISLL	ISL	ISH	ISHH			IALL	IAL	IAH	IAHH			IL		
J	POWER					JS																				
K	TIME				KY	KI	KR	KC	KIC	KRC	KS	KSLL	KSL	KSH	KSHH			KALL	KAL	KAH	KAHH		KV	KL		
L	LEVEL	LE	LT	LIT	LY	LI	LR	LC	LIC	LRC	LS	LSLL	LSL	LSH	LSHH	LSHL	LALL	LAL	LAH	LAHH		LCV	LG	LL		
M	MOISTURE OR HUMIDITY	ME	MT	MIT	MY	MI	MR	MC	MIC	MRC	MS	MSLL	MSL	MSH	MSHH			MALL	MAL	MAH	MAHH			ML		
N	USER'S CHOICE																									
P	PRESSURE OR VACUUM	PE	PT	PIT	PY	PI	PR	PC	PIC	PRC	PS	PSLL	PSL	PSH	PSHH	PSHL	PALL	PAL	PAH	PAHH		PCV		PL		
PD	DIFFERENTIAL PRESSURE		PDT	PDIT	PDY	PDI	PDR	PDC	PDIC	PDRC	PDS	PDSLL	PDSL	PDSH	PDSHH			PDALL	PDAL	PDAH	PDAHH		PDCV		PDL	
Q	QUANTITY	QE	QT	QIT	QY	QI	QR				QS	QSLL	QSL	QSH	QSHH			QALL	QAL	QAH	QAAH					
R	RADIATION																									
S	SPEED	SE	ST	SIT	SY	SI	SR	SC	SIC	SRC	SS	SSLL	SSL	SSH	SSHH			SALL	SAL	SAH	SAHH					
T	TEMPERATURE	TE	TT	TIT	TY	TI	TR	TC	TIC	TRC	TS	TSLL	TSL	TSH	TSHH	TSHL	TALL	TAL	TAH	TAHH		TCV		TL		
TD	DIFFERENTIAL TEMPERATURE		TDT	TDIT	TDY	TDI	TDR	TDC	TDIC	TDRC	TDS	TDSLL	TDSL	TDSH	TDSHH			TDALL	TDAL	TDAH	TDAHH		TDCV		TDL	
U	MULTIVARIABLE					UI	UR	UC	UIC	URC	US														UL	
V	VISCOSITY	VE	VT	VIT	VY	VI	VR	VC	VIC	VRC	VS	VSLL	VSL	VSH	VSHH			VALL	VAL	VAH	VAHH				VL	
W	WEIGHT	WE	WT	WIT	WY	WI	WR				WS	WSLL	WSL	WSH	WSHH			WALL	WAL	WAH	WAHH					
X	UNCLASSIFIED	XE	XT	XIT	XY	XI	XR	XC	XIC	XRC	XS	XSLL	XSL	XSH	XSHH			XALL	XAL	XAH	XAAH		XCV	XG	XL	
XV	VIBRATION	XVE	XVT		XVY	XVI	XVR				XVS			XVSH	XVSHH					XVAH	XVAHH				XVL	
Y	STATUS					YI																			YL	
Z	POSITION	ZE	ZT	ZIT	ZY	ZI		ZC**			ZS**											ZV			ZL**	

P&ID LINE SYMBOLS

INSTRUMENT OR CONNECTION TO PROCESS	—
PNEUMATIC SIGNAL	— # — # — # — # — # — # —
ELECTRIC SIGNAL	-----
HYDRAULIC SIGNAL	- L - L - L - L - L - L - L - L - L - L - L - L -
CAPILLARY TUBE	- X - X - X - X - X - X -
INTERNAL SYSTEM LINK (SOFTWARE OR DATA LINK)	- o - o - o - o - o - o - o - o - o - o - o - o -

PROCESS LINE SYMBOLS

PRIMARY PROCESS FLOW IN PIPE	—————
SECONDARY PROCESS FLOW IN PIPE	—————
PRIMARY PROCESS FLOW IN CHANNEL	-----
SECONDARY PROCESS FLOW IN CHANNEL	-----
HEAT TRACE	-----

DESIGNATIONS

EQUIPMENT ENCLOSURE	-----
EXISTING	-----
FUTURE	----- FUTURE

MISCELLANEOUS P&ID SYMBOLS

PROCESS CONTINUATION	UNIQUE IDENTIFIER # DWG NO. CONTINUATION SHEET
SIGNAL CONTINUATION	UNIQUE IDENTIFIER # DWG NO. CONTINUATION SHEET
PIPE CALLOUT	PIPE SIZE
SCHEMATIC DETAIL	?
TYPICAL DETAIL	TYPNUM1 TYPNUM2 TYPNUM3 TYPNUM4 TYPNUM5 TYPNUM6

OPERATOR PILOT DEVICE LEGEND

PILOT DEVICE FUNCTION	PILOT DEVICE TAG (HAND SWITCHES)																					
	LOCAL-OFF-REMOTE (LOR) OR LOCAL-STOP-REMOTE (LSR)	STOP(SF)	START (ST)	HAND-OFF-AUTO (HOA) HAND-OFF-REMOTE (HOR)	OFF-ON (OO)	SELECT (SEL)	OPEN-STOP-CLOSE (OSC)	JOG OPEN-HOLD-CLOSE (JOHC)	SEMI-AUTO-AUTO-MANUAL (SAAM)	LEAD-LAG-STANDBY (LLGS)	AUTO-MANUAL (AM)	OPEN-CLOSE (OC)	LOW-HIGH (LH)	RESET (RST)	SPEED (SPD)	START-STOP (STSP)	EQUIPMENT SHUTDOWN (ESD)	BYPASS (BYP)	SILENCE	POSITION (POS)		
LOCAL-OFF-REMOTE (LOR) OR LOCAL-STOP-REMOTE (LSR)	HSA	HSB	HSC	HSD	HSE	HSF	HSG	HSH	HIS	HSJ	HSM	HSO	HSQ	HSR	HSS	HST	HSU	HSV	HSW	HSX	HSY	HSZ

I/O TYPE DESIGNATIONS

RNG	RUNNING	SPDC	SPEED COMMAND
FAIL	FAILED/FAULT	SPDF	SPEED FEEDBACK
FWD	RUNNING FORWARD	REM	LOR IN REMOTE
FAST	RUNNING HIGH	LOC	LOR IN LOCAL
SLOW	RUNNING LOW	AUTO	HOA IN AUTO
REV	RUNNING REVERSE	HAND	HOA IN HAND
SVC	SOLENOID VALVE CLOSE	RST	RESET
SVO	SOLENOID VALVE OPEN		
RUN	RUN		
SLWC	MOTOR START LOW		
REVC	MOTOR START REVERSE		

INSTRUMENT TYPE DESIGNATIONS

CGD	COMBUSTIBLE GAS DETECTOR	PTOF	PULSE TIME OF FLIGHT
COND	CONDUCTIVITY	RTD	RESISTANCE TEMP DETECTOR
DO	DISSOLVED OXYGEN	SB	SLUDGE BLANKET
FMCW	FREQ. MODULATED CONT. WAVE	SC	STREAMING CURRENT
ISB	INTRINSIC SAFETY BARRIER	SD	SLUDGE DEPTH
LEL	LOWER EXPLOSIVE LIMIT	TDR	TIME DOMAIN REFLECTOMETRY
MLSS	MIXED LIQUOR SUSPENDED SOLIDS	TOC	TOTAL ORGANIC CARBON
ORG	UV 504	TSS	TOTAL SUSPENDED SOLIDS
ORP	OXIDATION REDUCTION POTENTIAL	TURB	TURBIDITY
PSUB	PRESSURE SUBMERSIBLE	UVI	UV INTENSITY
PC	PARTICLE COUNTER	UVT	UV TRANSMITTANCE

SPECIFIC ABBREVIATIONS

HTR	HEATER
HTU	HEAT TRACE UNIT
MWH	MOTOR WINDING HEATER
SV	SOLENOID VALVE
SPD	SURGE PROTECTIVE DEVICE
UPS	UNINTERRUPTIBLE POWER SUPPLY
YLA	STATUS AUTO PILOT LIGHT
YLR	STATUS REMOTE PILOT LIGHT
YL1	STATUS RUNNING PILOT LIGHT
YL2	ALARM FAILED/FAULT PILOT LIGHT

LAST SAVED BY: CROLLINS

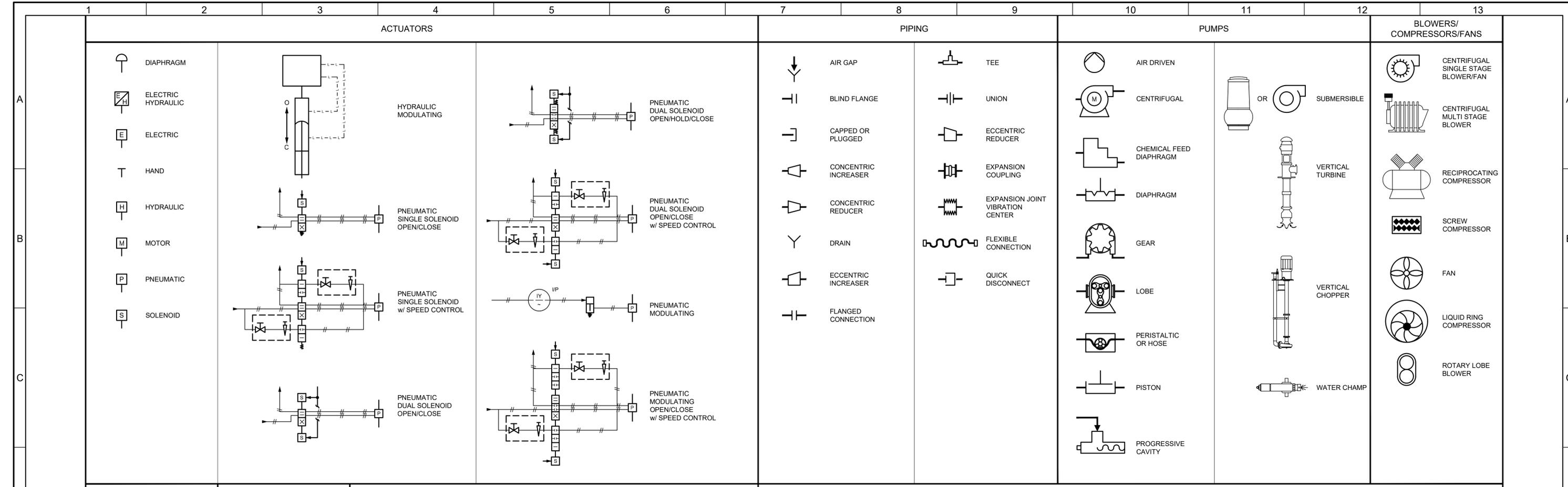
REV	DATE	BY	DESCRIPTION

DESIGNED	CE
DRAWN	CE
CHECKED	CE
DATE	MAY 2025



SNYDERVILLE BASIN WATER RECLAMATION DISTRICT
DEWATERING EQUIPMENT PREPURCHASE
INSTRUMENTATION
SYMBOLS AND ABBREVIATIONS 2

VERIFY SCALES	JOB NO. 204042
BAR IS ONE INCH ON ORIGINAL DRAWING	DRAWING NO. 00GN02
0 1"	SHEET NO. 32 OF 42
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	



LAST SAVED BY: CROLLINS

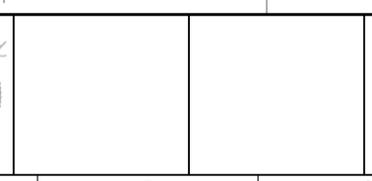
REV	DATE	BY	DESCRIPTION

DESIGNED
CE

DRAWN
CE

CHECKED
CE

DATE
MAY 2025



SNYDERVILLE BASIN WATER RECLAMATION DISTRICT

DEWATERING EQUIPMENT PREPURCHASE

INSTRUMENTATION

SYMBOLS AND ABBREVIATIONS 3

VERIFY SCALES

BAR IS ONE INCH ON ORIGINAL DRAWING

0 1"

IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

JOB NO. 204042

DRAWING NO. 00GN03

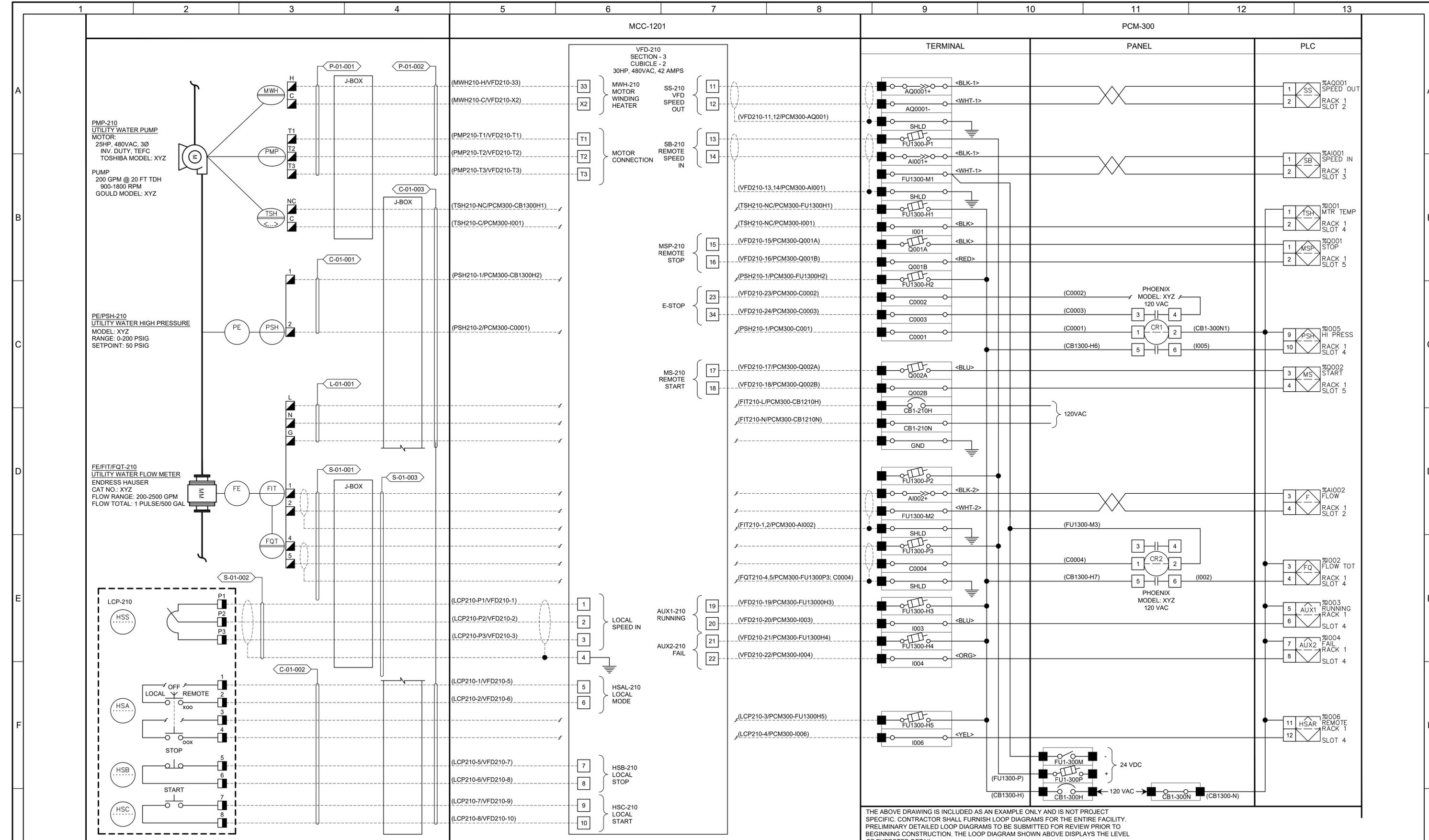
SHEET NO. 33 OF 42

	FLOW		FLUMES		GATES		LEVELS		NETWORKS							
	CORIOLIS MAGNETIC ORIFICE PADDLE WHEEL PISTON ANNUBAR PITOT TUBE POSITIVE-DISPLACEMENT PROPELLER-TURBINE		ROTAMETER SHUTTLE THERMAL ULTRASONIC ULTRASONIC BIOGAS V-CONE VENTURI TUBE OR FLOW NOZZLE VORTEX		LEOPOLD-LAGCO PALMER-BOWLUS PARSHALL REGULAR CUTTHROAT TRAPEZOIDAL		SIDE VIEW PLAN VIEW FLAP KNIFE SLIDE SLUICE STOP STOP WEIR BUTTERFLY		BUBBLER CAPACITANCE TANK DIFFERENTIAL PRESSURE DISPLACEMENT ELECTRODE BALL FLOAT INVERTED COLUMN PROBE		RADAR PTOF RADAR (FREQUENCY MODULATED CONTINUOUS WAVE) RADAR TDR SUSPENDED/SUBMERSIBLE TUNING FORK ULTRASONIC		CABLE CALLOUTS AND ABBREVIATIONS FIBER ABBREVIATIONS FIBER LINE REPRESENTS ONE 24-STRAND FIBER OPTIC CABLE FIBER LINE REPRESENTS TWO 24-STRAND FIBER OPTIC CABLES EACH FIBER LINE REPRESENTS ONE 24-STRAND FIBER OPTIC CABLE COPPER LINE REPRESENTS FOUR COPPER ETHERNET CABLES EACH COPPER LINE REPRESENTS TWO COPPER ETHERNET CABLES NETWORK ABBREVIATIONS VLAN SYMBOLS			

PRESSURE/VACUUM			TEMPERATURE		WEIRS		NETWORK LINE SYMBOLS					
PRESSURE		DIFFERENTIAL PRESSURE	PRESSURE SEALS		TEMPERATURE w/THERMOWELL TEMPERATURE GAUGE THERMOMETER		SIDE VIEW		PLAN VIEW		COPPER ETHERNET DUPLIX FIBER PATCH FIBER OPTIC ETHERNET WIRELESS PROFIBUS DP PROFIBUS PA SERIAL DATA	

WEIGHT		EXAMPLE		MISCELLANEOUS NETWORK SYMBOLS	
PLATFORM SCALE		PRESSURE SWITCH		NETWORK CABLE CONTINUATIONS	
				FIELD NETWORK DEVICE	
				NETWORK EQUIPMENT CALLOUT	

DESIGNED CE		DRAWN CE		CHECKED CE		DATE MAY 2025				 		SNYDERVILLE BASIN WATER RECLAMATION DISTRICT DEWATERING EQUIPMENT PREPURCHASE INSTRUMENTATION SYMBOLS AND ABBREVIATIONS 4		VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING  IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY		JOB NO. 204042 DRAWING NO. 00GN04 SHEET NO. 34 OF 42	
-------------	--	----------	--	------------	--	---------------	--	---	--	---	--	---	--	---	--	--	--



THE ABOVE DRAWING IS INCLUDED AS AN EXAMPLE ONLY AND IS NOT PROJECT SPECIFIC. CONTRACTOR SHALL FURNISH LOOP DIAGRAMS FOR THE ENTIRE FACILITY. PRELIMINARY DETAILED LOOP DIAGRAMS TO BE SUBMITTED FOR REVIEW PRIOR TO BEGINNING CONSTRUCTION. THE LOOP DIAGRAM SHOWN ABOVE DISPLAYS THE LEVEL OF EXPECTED DETAIL.

REV	DATE	BY	DESCRIPTION

DESIGNED CE
DRAWN CE
CHECKED CE
DATE MAY 2025

REGISTERED PROFESSIONAL ENGINEER
 MATTHEW G. HATCH
 STATE OF UTAH



SNYDERVILLE BASIN WATER RECLAMATION DISTRICT
DEWATERING EQUIPMENT PREPURCHASE
INSTRUMENTATION
SAMPLE LOOP DRAWING

VERIFY SCALES
JOB NO. 204042
DRAWING NO. 00GN05
SHEET NO. 35 OF 42

BAR IS ONE INCH ON ORIGINAL DRAWING
 0 1"

IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

LAST SAVED BY: CROLLINS

EQUIPMENT TAGGING SYSTEM

EQUIPMENT DESCRIPTOR

XXX		XXX	
AB	AERATION BASIN	GRI	GRINDER
AER	AERATOR	GRD	GRIT DEWATERING UNIT (CYCLONE)
AHU	AIR HANDLING UNIT	GRW	GRIT WASHER
ARC	AIR COMPRESSOR	GTW	GATEWAY
ARF	AIR FILTER	HPU	HYDRAULIC POWER UNIT
ARR	ARRESTOR	IC	ISOLATION CONTACTOR
ATS	AUTOMATIC TRANSFER SWITCH	INJ	INJECTOR
AUG	AUGER	LAG	LAGOON
AVR	AIR VACUUM RELIEF	INM	INDUCTION MIXER
BAR	BAR SCREEN	MAU	MAKE-UP AIR UNIT
BAS	BASIN	MIX	MIXER
BC	BYPASS CONTACTOR	MS	MOTOR STARTER
BFP	BELT FILTER PRESS	MPR	MOTOR PROTECTION RELAY
BIT	BIO TOWER	MTR	MOTOR
BLO	BLOWER	NP	NETWORK PANEL
BOI	BOILER	NR	NETWORK RACK
BUR	BURNER	OZG	OZONE GENERATOR
CAL	CALIBRATION COLUMN	PBU	POLYMER BLENDING UNIT
CB	CIRCUIT BREAKER	PCM	PROCESS CONTROL MODULE
CC	COMMUNICATIONS CABINET	PDC	POWER DISTRIBUTION CENTER
CEN	CENTRIFUGE	PLO	PLOW
CHI	CHILLER	PMP	PUMP
CHL	CHLORINATOR	PPR	PUMP PROTECTION RELAY
CLA	CLASSIFIER	PQM	POWER QUALITY METER
CLR	CLARIFIER	PRE	PRESS
CLU	CLUTCH	PUD	PULSATION DAMPENERS
COA	COALESCE	REC	RECEIVER
COL	COLLECTOR	RVSS	REDUCED VOLTAGE STARTER
CON	CONVEYOR	RIO	REMOTE IO PANEL
COO	COOLER	RES	RESERVOIR
COS	COMPOSITE SAMPLER	RUD	ROLL UP DOOR
CPT	CONTROL POWER TRANSFORMER	SCB	SCRUBBER
CF	CARTRIDGE FILTER	SCR	SCREEN
CR	CONTROL RELAY	SCW	SCREW
CRN	BRIDGE CRANE/HOIST/MONORAIL	SEL	SEAL
CYC	CYCLONE CLASSIFIER	SF	SUPPLY FAN
DAM	DAMPER	SHA	SHAKER
DCD	DC DRIVE	SLA	SLAKER
DEC	DECARBONATOR	SLC	SLUDGE COLLECTOR
DGC	DIGESTER GAS CONDITIONING	SPD	SURGE PROTECTION DEVICE
DIF	DIFFUSER	SRR	STIRRER
DIG	ANAEROBIC DIGESTER	STR	STRAINER
DIS	DISTRIBUTOR	SV	SOLENOID VALVE
DISC	DISCONNECT	SWC	SCREENING WASHER COMPACTOR
DRY	DRYER	THI	THICKENER
DSC	DUST COLLECTOR	TIP	TIPPING TROUGH
EDU	EDUCTOR	TNK	TANK
EF	EXHAUST FAN	TRA	TRAP
ES_	ETHERNET SWITCH	UPS	UNINTERRUPTIBLE POWER SUPPLY
ERD	ENERGY RECOVERY DEVICE	UVB	UV BANK
EUH	ELECTRIC UNIT HEATER	UVR	ULTRAVIOLET REACTOR
EVP	EVAPORATOR	VAL	VALVE
EXC	EXCHANGER	LCP	LOCAL CONTROL PANEL
FACP	FIRE ALARM CONTROL PANEL	VCP	VENDOR CONTROL PANEL
FAN	FAN	VFD	VARIABLE FREQUENCY DRIVE
FDR	FEEDER	WEL	WELL
FLA	FLARE	*CV	* CONTROL VALVE
FLC	FLOCCULATOR	*V	* VALVE
FLT	FILTER	*CG	* CONTROL GATE
FU	FUSE	*G	* GATE
GAT	GATE		* = A (ANALYTICAL), F (FLOW), L (LEVEL)
GEN	ENGINE GENERATOR		P (PRESSURE), T (TEMPERATURE)
GRC	GRIT CHAMBER		

LAST SAVED BY: CRollins

REV	DATE	BY	DESCRIPTION

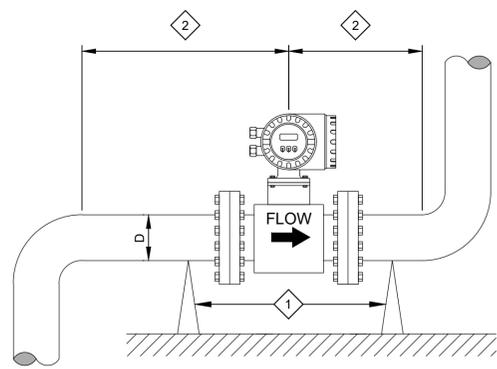
DESIGNED
CE
DRAWN
CE
CHECKED
CE
DATE
MAY 2025



SNYDERVILLE BASIN WATER RECLAMATION DISTRICT
DEWATERING EQUIPMENT PREPURCHASE
INSTRUMENTATION
EQUIPMENT TAGGING

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

JOB NO.
204042
DRAWING NO.
00GN06
SHEET NO.
36 OF 42



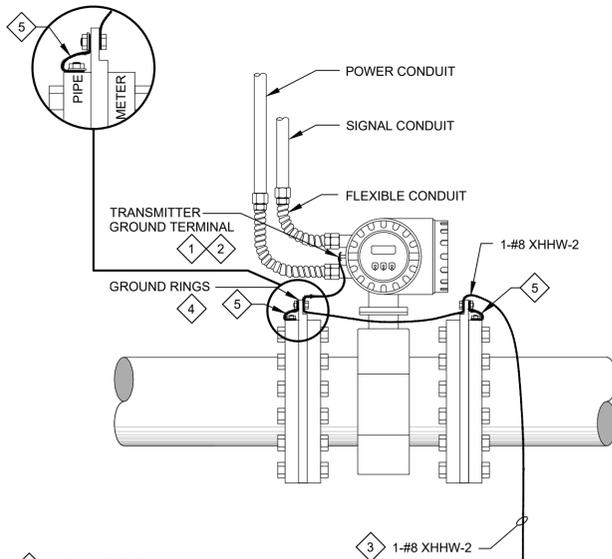
GENERAL NOTES:

1. FOLLOW MANUFACTURER'S RECOMMENDED MAXIMUM TORQUE SETTINGS. DO NOT OVER-TORQUE FLANGE BOLTS. OVERTIGHTENING THE FASTENERS WILL DEFORM SEALING FACES OR DAMAGE THE LINE.
2. ALWAYS TIGHTEN FLANGE BOLTS UNIFORMLY AND IN DIAGONALLY OPPOSITE SEQUENCE.
3. MOUNT METER SO THAT IT REMAINS FULLY FLOODED.
4. FOR METERS SPECIFIED WITH ZERO DIAMETER FEATURE, REFER TO THE MECHANICAL DRAWINGS FOR INSTALLATION.

KEY NOTES:

1. PIPE SUPPORTS BY MECHANICAL CONTRACTOR. NO SUPPORTS SHALL BE INSTALLED AT THE METER HOUSING.
2. INSTALL METER SUCH THAT THERE ARE NO PIPE BENDS FOR 5 PIPE DIAMETERS UPSTREAM AND 3 PIPE DIAMETERS DOWNSTREAM OF THE METER.

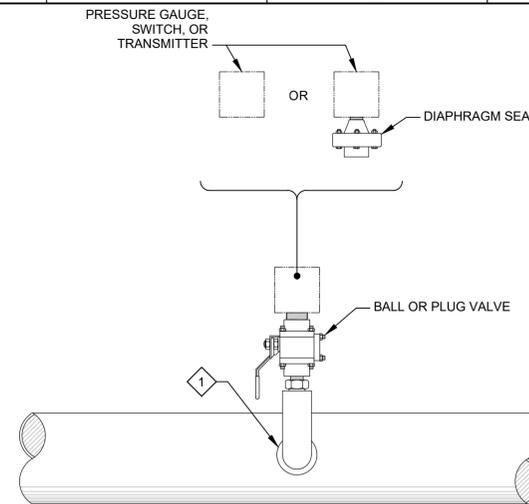
NF130 MAGNETIC FLOWMETER MOUNTING DETAIL
TYP



KEY NOTES:

1. CONTRACTOR SHALL VERIFY ZERO POTENTIAL BETWEEN FLOW TUBE, EARTH GROUND AND TRANSMITTER GROUND TERMINAL.
2. CONNECT TRANSMITTER GROUND TERMINAL TO GROUND RINGS.
3. CONNECT METER BODY TO EARTH GROUND POTENTIAL.
4. EQUALIZE POTENTIAL VIA GROUND RINGS BETWEEN FLUID AND MAGMETER.
5. PROVIDE BONDING JUMPER ON CONDUCTIVE PIPES.

NF136 INTEGRAL MAGNETIC FLOWMETER GROUNDING DETAIL
TYP



GENERAL NOTES:

1. PROVIDE DIAPHRAGM SEALS IF REQUIRED BY INSTRUMENT DATA SHEETS OR SPECIFICATIONS.
2. PROVIDE INSTRUMENT ASSEMBLY WITH 1" VALVES AND PIPING, OR AS APPROVED BY ENGINEER. USE STAINLESS STEEL OR AS REQUIRED FOR COMPATIBILITY WITH PROCESS FLUID. PROVIDE FITTINGS FOR INSTRUMENT CONNECTIONS AS REQUIRED.
3. REFER TO MECHANICAL DRAWINGS FOR INSTRUMENT LOCATION AND PROCESS PIPE ORIENTATION.

KEY NOTES:

1. PROVIDE SIDE-TAP PROCESS CONNECTION. THREADED TAP OR SADDLE CONNECTION FOR DUCTILE IRON PIPE. WELD-O-LET OR THREAD-O-LET FOR WELDED PIPE. TEE OR REDUCING TEE FOR NON-METALLIC PIPE AND PIPES 1" OR SMALLER.

NP503 ISOLATING PRESSURE INSTRUMENT MOUNTING DETAIL
TYP

REV	DATE	BY	DESCRIPTION

DESIGNED
CE
DRAWN
CE
CHECKED
CDS
DATE
MAY 2025



SNYDERVILLE BASIN WATER RECLAMATION DISTRICT
DEWATERING EQUIPMENT PREPURCHASE
TYPICAL DETAILS
INSTRUMENTATION 1

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

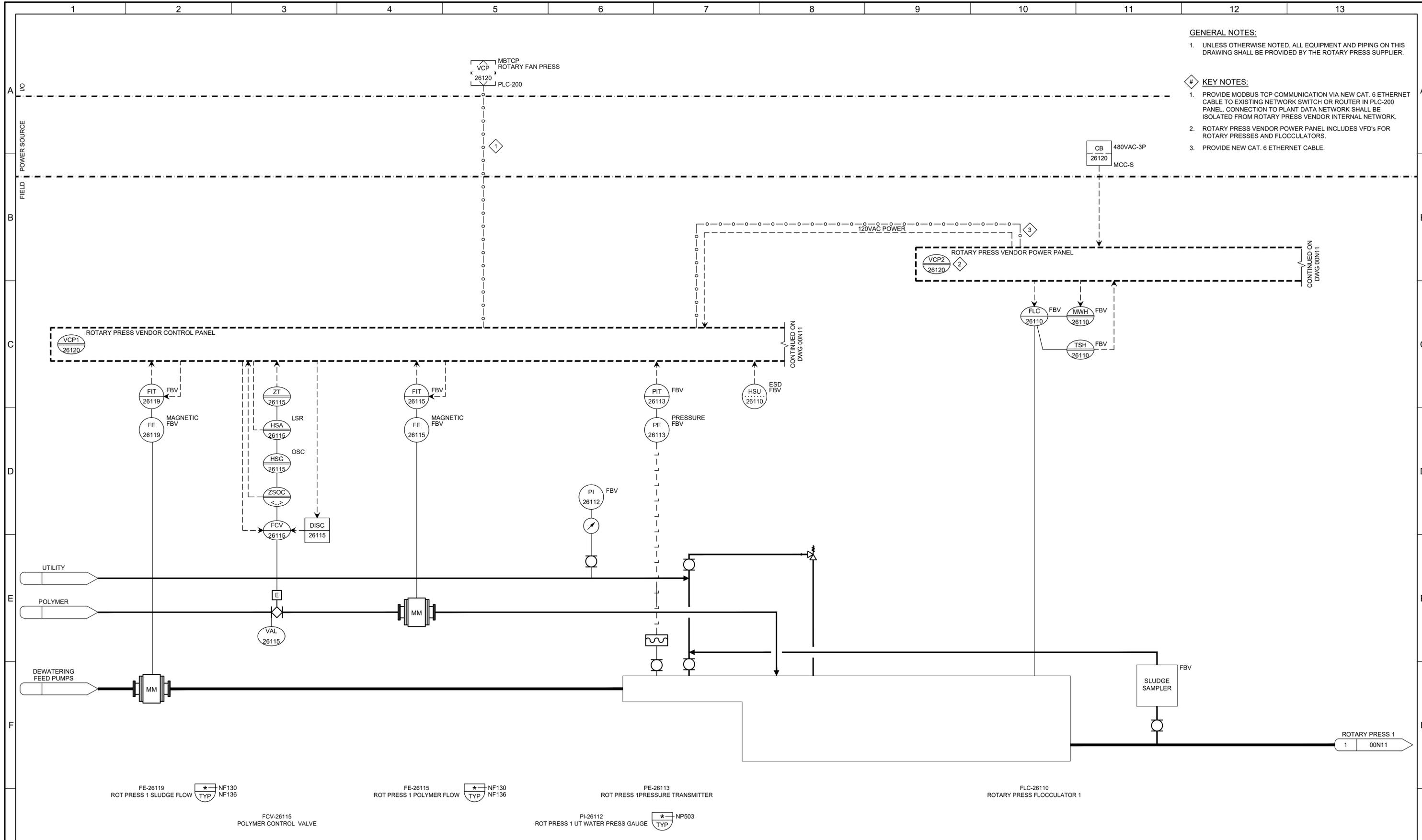
JOB NO.
204042
DRAWING NO.
00TN01
SHEET NO.
37 OF 42

GENERAL NOTES:

- UNLESS OTHERWISE NOTED, ALL EQUIPMENT AND PIPING ON THIS DRAWING SHALL BE PROVIDED BY THE ROTARY PRESS SUPPLIER.

KEY NOTES:

- PROVIDE MODBUS TCP COMMUNICATION VIA NEW CAT. 6 ETHERNET CABLE TO EXISTING NETWORK SWITCH OR ROUTER IN PLC-200 PANEL. CONNECTION TO PLANT DATA NETWORK SHALL BE ISOLATED FROM ROTARY PRESS VENDOR INTERNAL NETWORK.
- ROTARY PRESS VENDOR POWER PANEL INCLUDES VFD'S FOR ROTARY PRESSES AND FLOCCULATORS.
- PROVIDE NEW CAT. 6 ETHERNET CABLE.



FE-26119 ROT PRESS 1 SLUDGE FLOW NF130

FE-26115 ROT PRESS 1 POLYMER FLOW NF130

PE-26113 ROT PRESS 1 PRESSURE TRANSMITTER

FLC-26110 ROTARY PRESS FLOCCULATOR 1

FCV-26115 POLYMER CONTROL VALVE

PI-26112 ROT PRESS 1 UT WATER PRESS GAUGE NP503

LAST SAVED BY: CROLLINS

REV	DATE	BY	DESCRIPTION

DESIGNED
MGH
DRAWN
CGR
CHECKED
CDS
DATE
MAY 2025

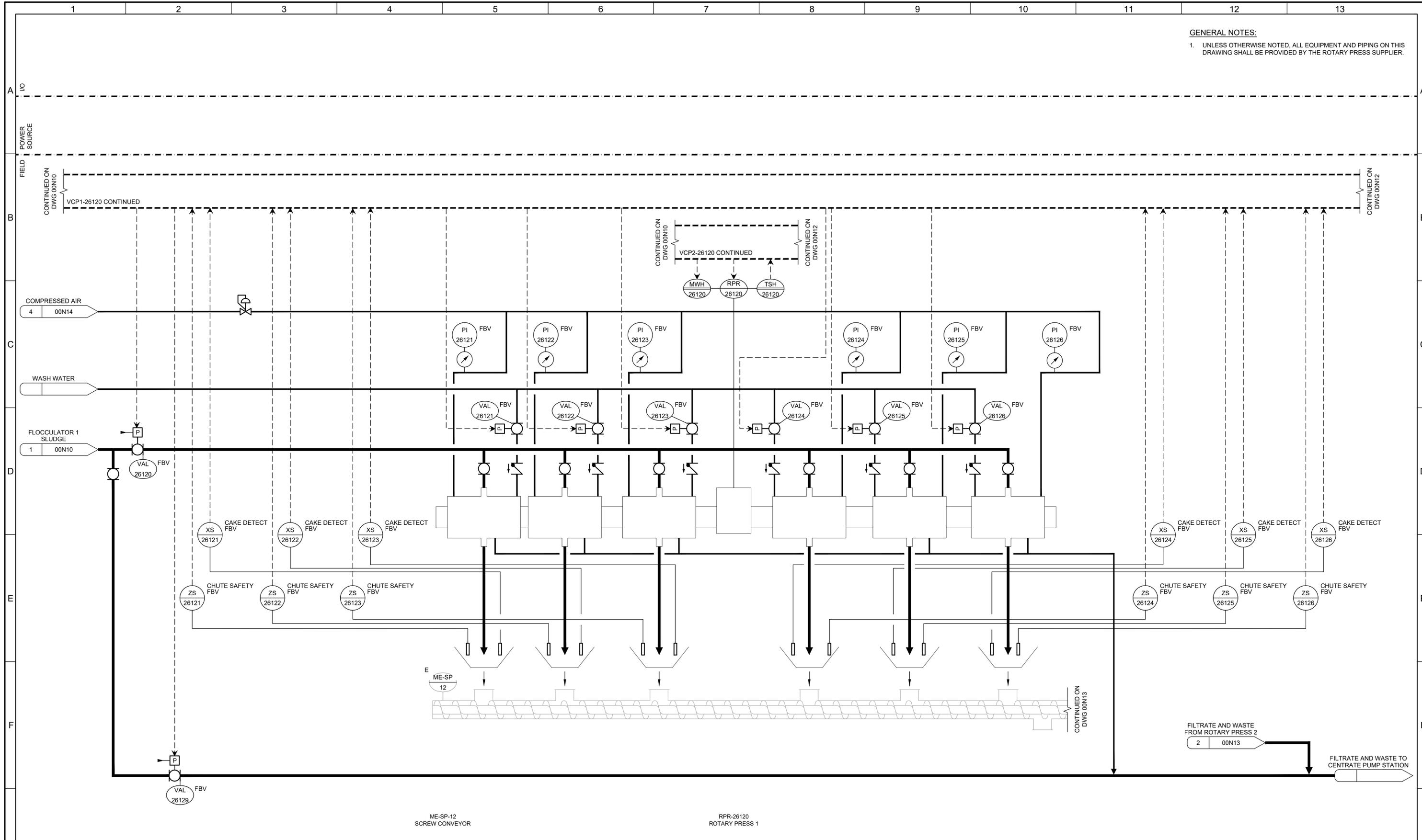


SNYDERVILLE BASIN WATER RECLAMATION DISTRICT
DEWATERING EQUIPMENT PREPURCHASE
INSTRUMENTATION
ROTARY PRESS FLOCCULATOR 1 P&ID

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

JOB NO.
204042
DRAWING NO.
00N10
SHEET NO.
38 OF 42

GENERAL NOTES:
 1. UNLESS OTHERWISE NOTED, ALL EQUIPMENT AND PIPING ON THIS DRAWING SHALL BE PROVIDED BY THE ROTARY PRESS SUPPLIER.



REV	DATE	BY	DESCRIPTION

DESIGNED
MGH

DRAWN
CGR

CHECKED
CDS

DATE
MAY 2025

REGISTERED PROFESSIONAL ENGINEER
 No. 5612657
 MATTHEW G. HATCH
 STATE OF UTAH



SNYDERVILLE BASIN WATER RECLAMATION DISTRICT

DEWATERING EQUIPMENT PREPURCHASE

INSTRUMENTATION

ROTARY PRESS 1 P&ID

VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWING
 0 1"

IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

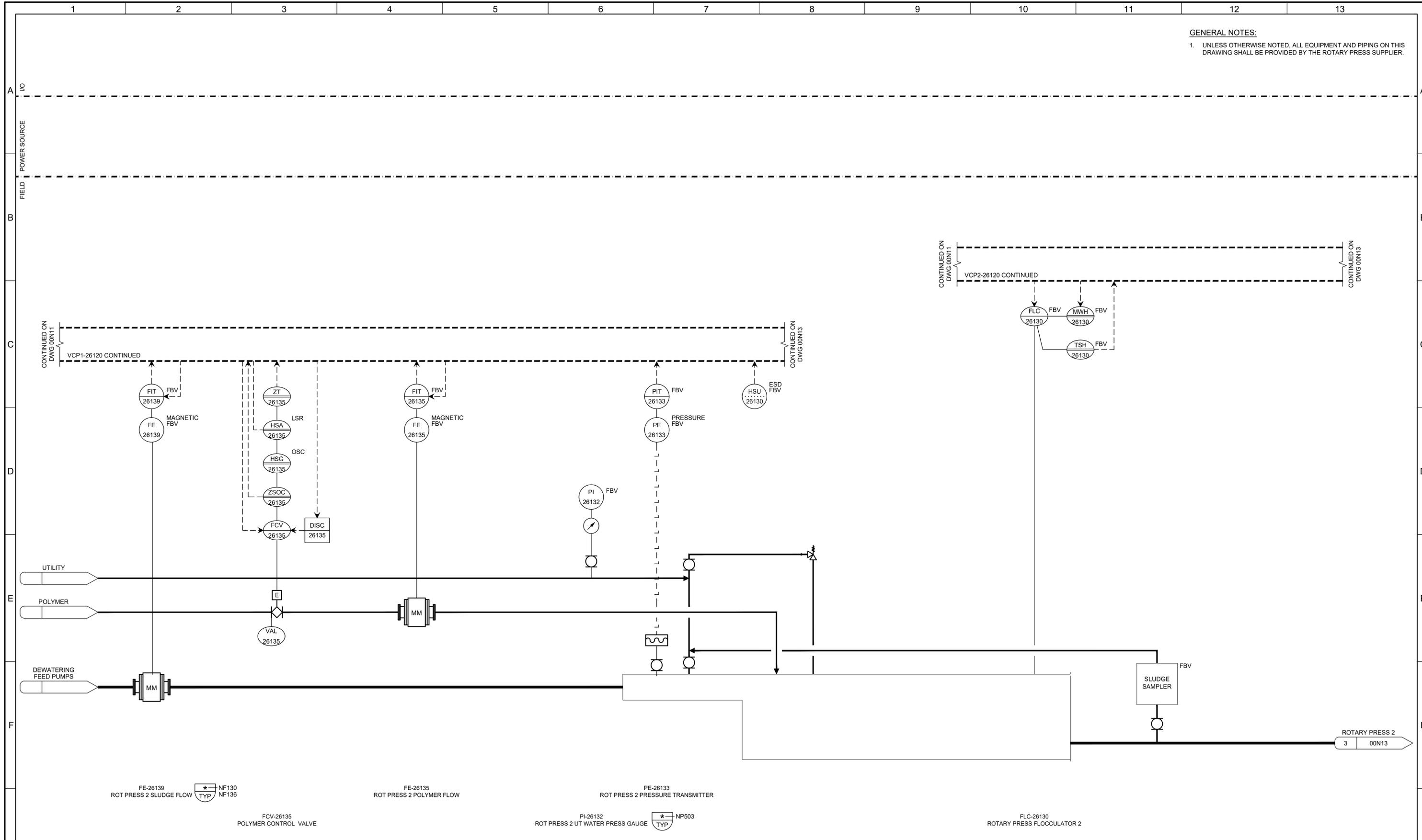
JOB NO.
204042

DRAWING NO.
00N11

SHEET NO.
39 OF 42

LAST SAVED BY: CROLLINS

GENERAL NOTES:
 1. UNLESS OTHERWISE NOTED, ALL EQUIPMENT AND PIPING ON THIS DRAWING SHALL BE PROVIDED BY THE ROTARY PRESS SUPPLIER.



FE-26139
ROT PRESS 2 SLUDGE FLOW

NF130
NF136

FE-26135
ROT PRESS 2 POLYMER FLOW

PE-26133
ROT PRESS 2 PRESSURE TRANSMITTER

FCV-26135
POLYMER CONTROL VALVE

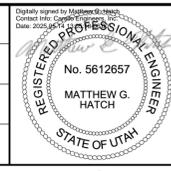
PI-26132
ROT PRESS 2 UT WATER PRESS GAUGE

FLC-26130
ROTARY PRESS FLOCCULATOR 2

LAST SAVED BY: CROLLINS

REV	DATE	BY	DESCRIPTION

DESIGNED
MGH
DRAWN
CGR
CHECKED
CDS
DATE
MAY 2025



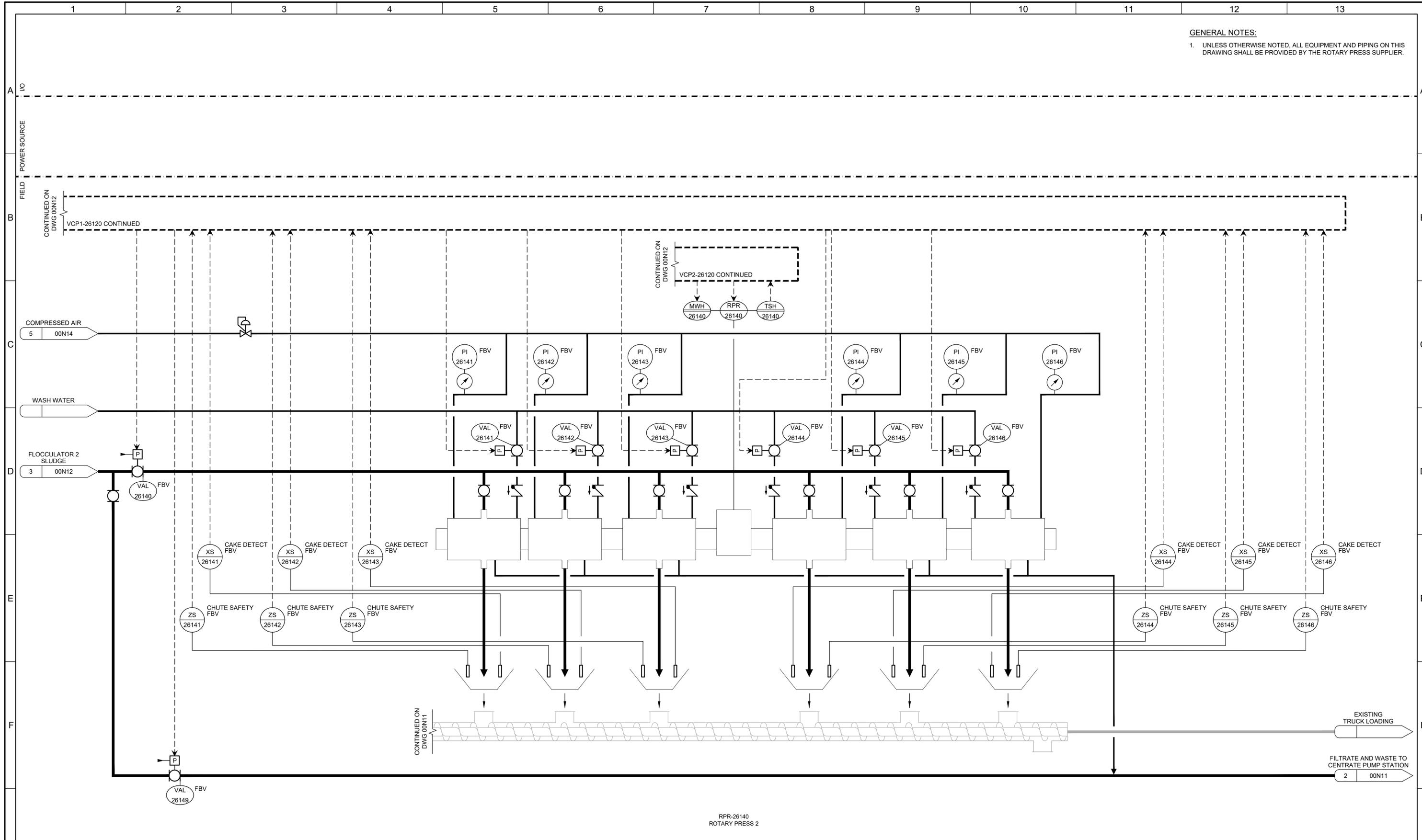
SNYDERVILLE BASIN WATER RECLAMATION DISTRICT
 DEWATERING EQUIPMENT PREPURCHASE
 INSTRUMENTATION
 ROTARY PRESS FLOCCULATOR 2 P&ID

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

JOB NO.
204042
DRAWING NO.
00N12
SHEET NO.
40 OF 42

GENERAL NOTES:

- UNLESS OTHERWISE NOTED, ALL EQUIPMENT AND PIPING ON THIS DRAWING SHALL BE PROVIDED BY THE ROTARY PRESS SUPPLIER.

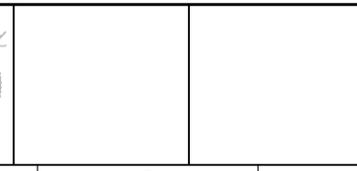


RPR-26140
ROTARY PRESS 2

LAST SAVED BY: CROLLINS

REV	DATE	BY	DESCRIPTION

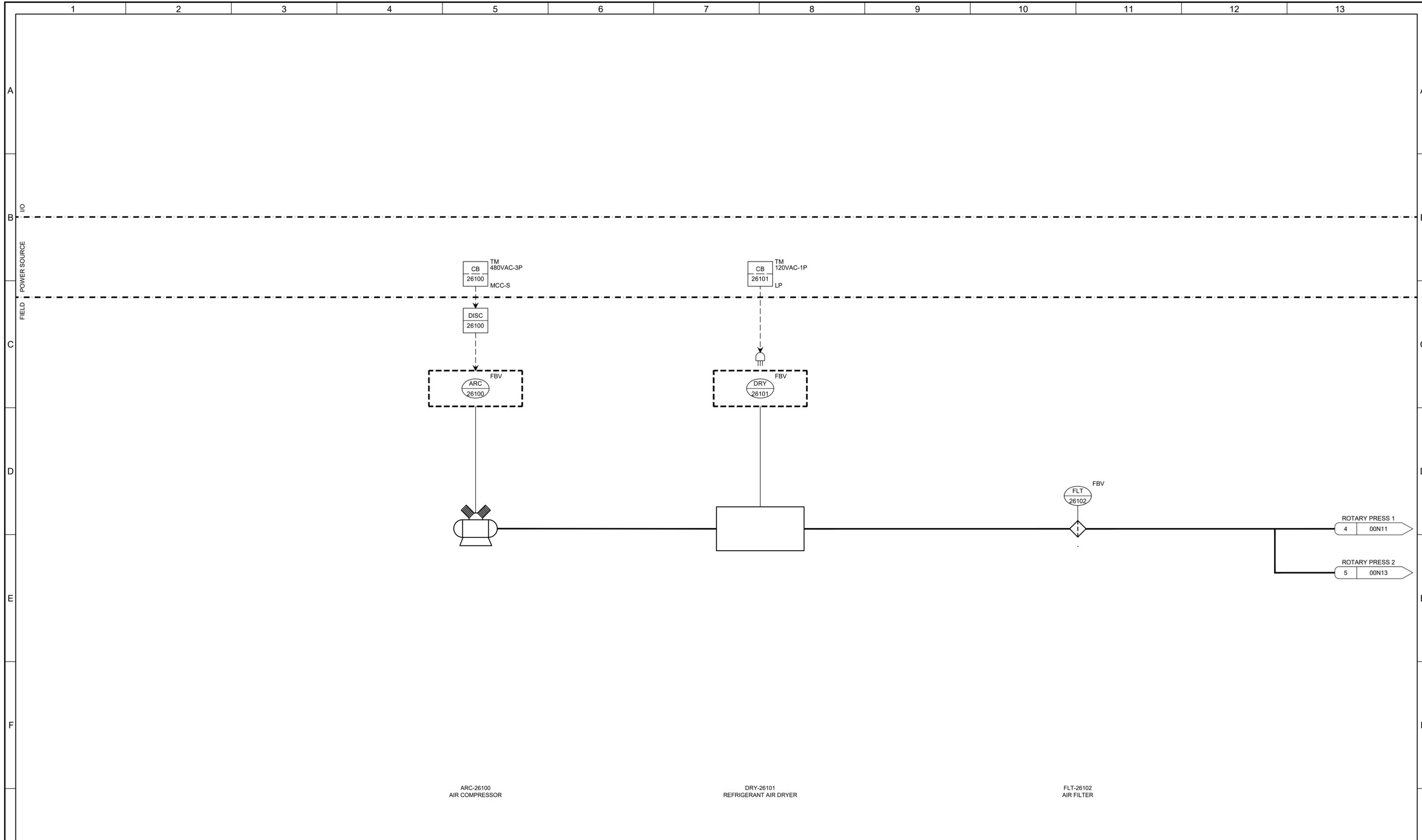
DESIGNED
MGH
DRAWN
CGR
CHECKED
CDS
DATE
MAY 2025



SNYDERVILLE BASIN WATER RECLAMATION DISTRICT
DEWATERING EQUIPMENT PREPURCHASE
INSTRUMENTATION
ROTARY PRESS 2 P&ID

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

JOB NO.
204042
DRAWING NO.
00N13
SHEET NO.
41 OF 42



ARC-26100
AIR COMPRESSOR

DRY-26101
REFRIGERANT AIR DRYER

FLT-26102
AIR FILTER

LAST SAVED BY: CROLLINS

REV	DATE	BY	DESCRIPTION

DESIGNED MGH
DRAWN KIK
CHECKED CDS
DATE MAY 2025



SNYDERVILLE BASIN WATER RECLAMATION DISTRICT
DEWATERING EQUIPMENT PREPURCHASE
INSTRUMENTATION
AIR COMPRESSOR P&ID

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

JOB NO.
204042
DRAWING NO.
00N14
SHEET NO.
42 OF 42