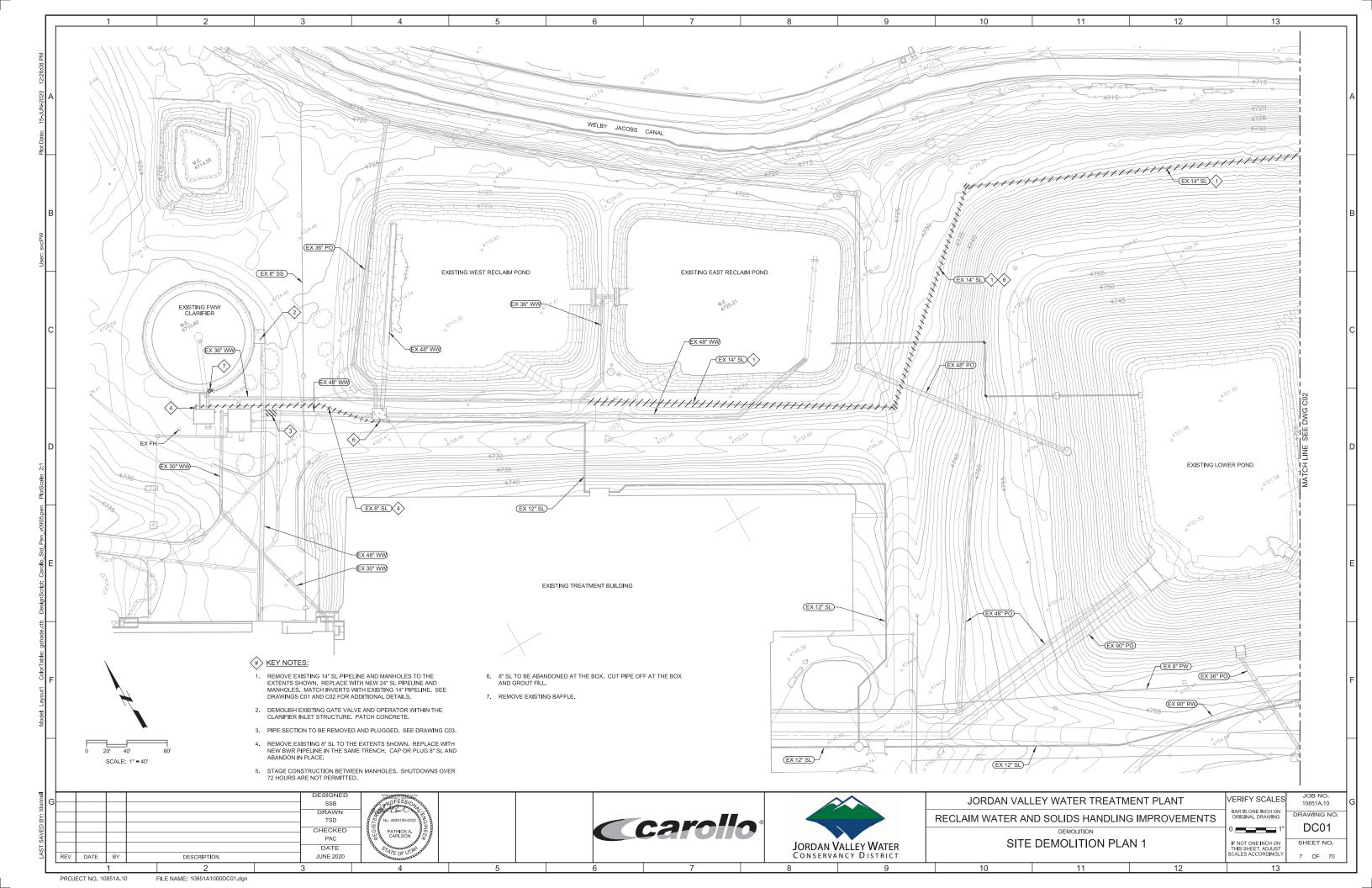
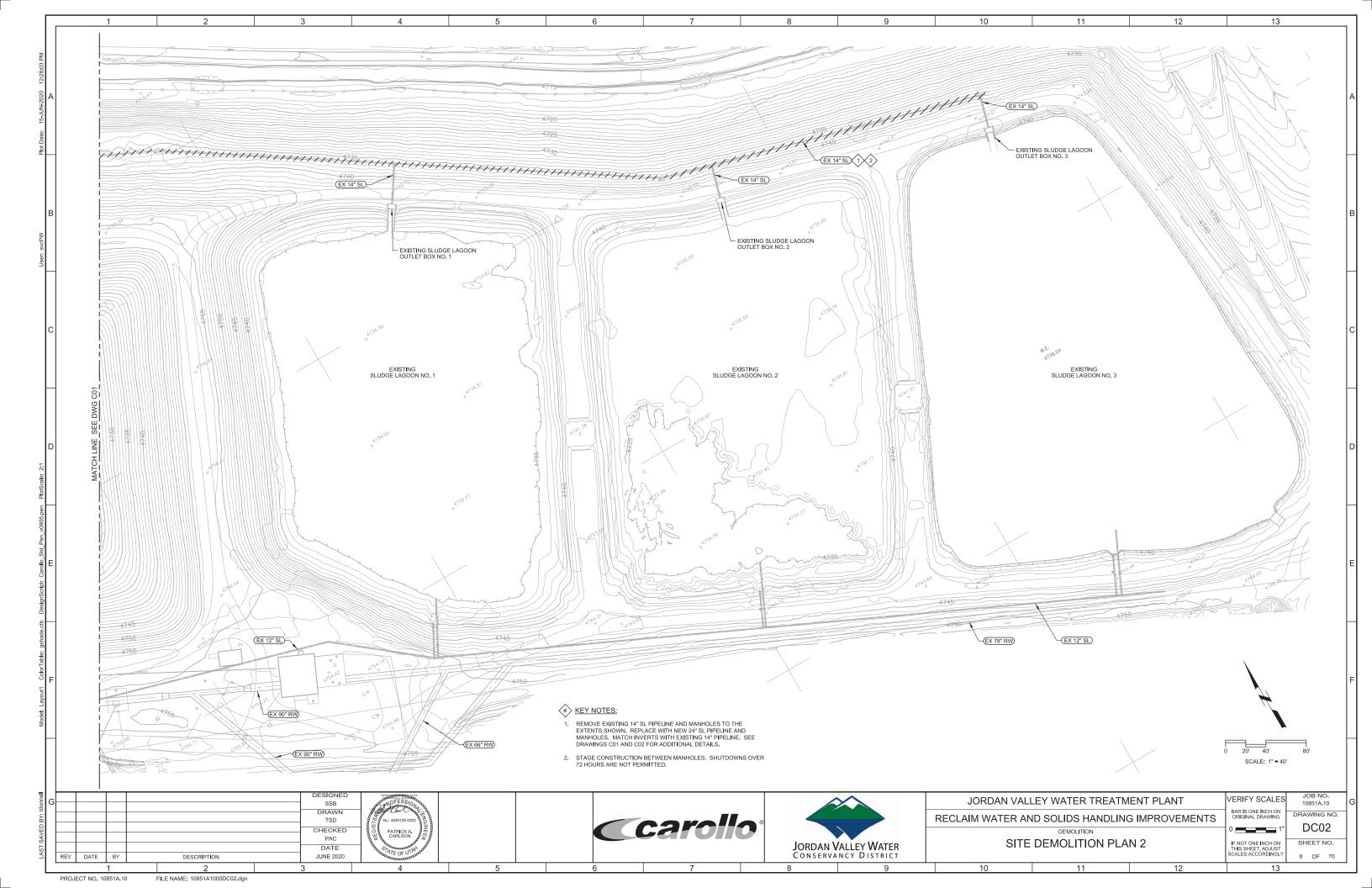
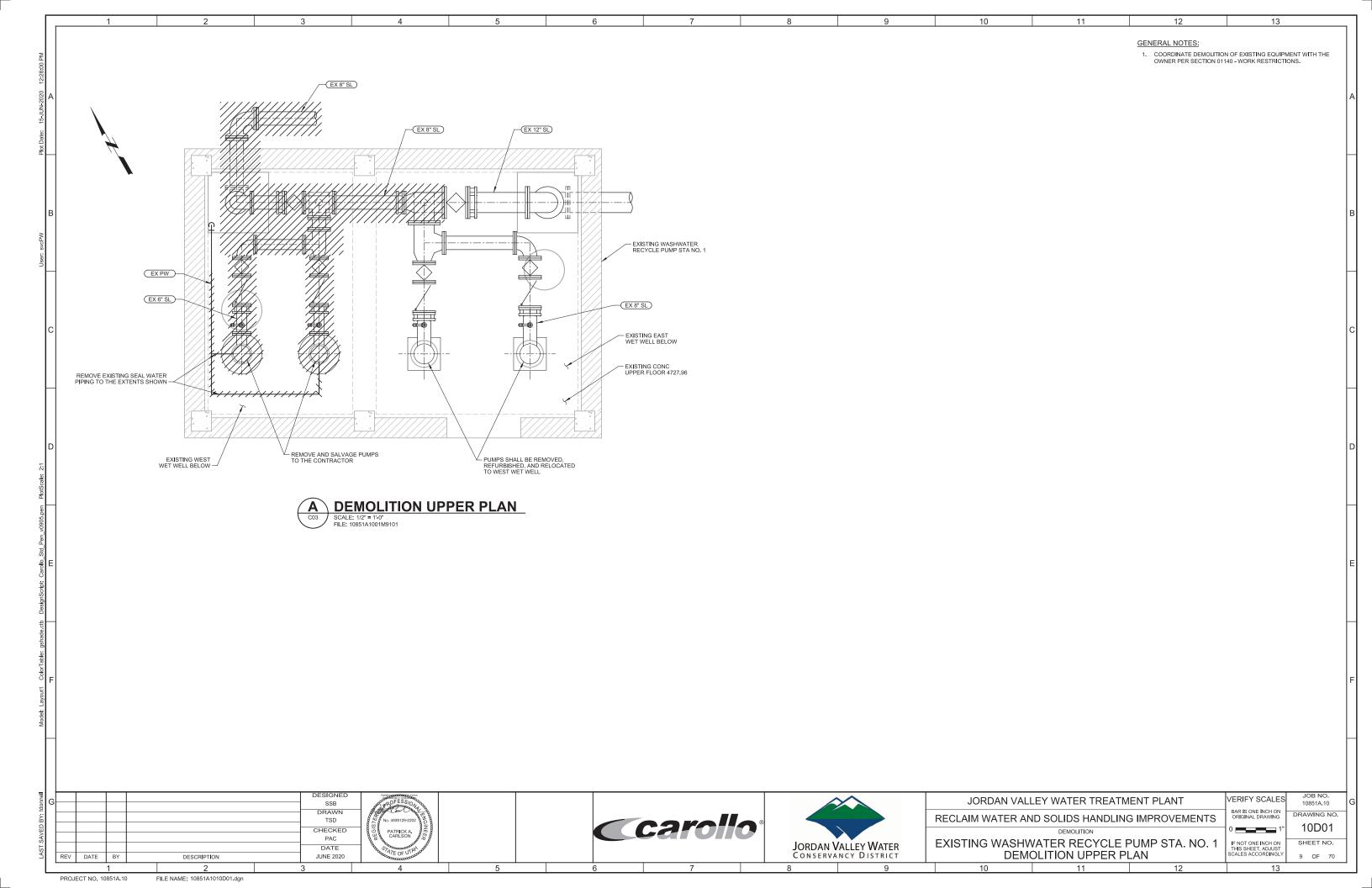
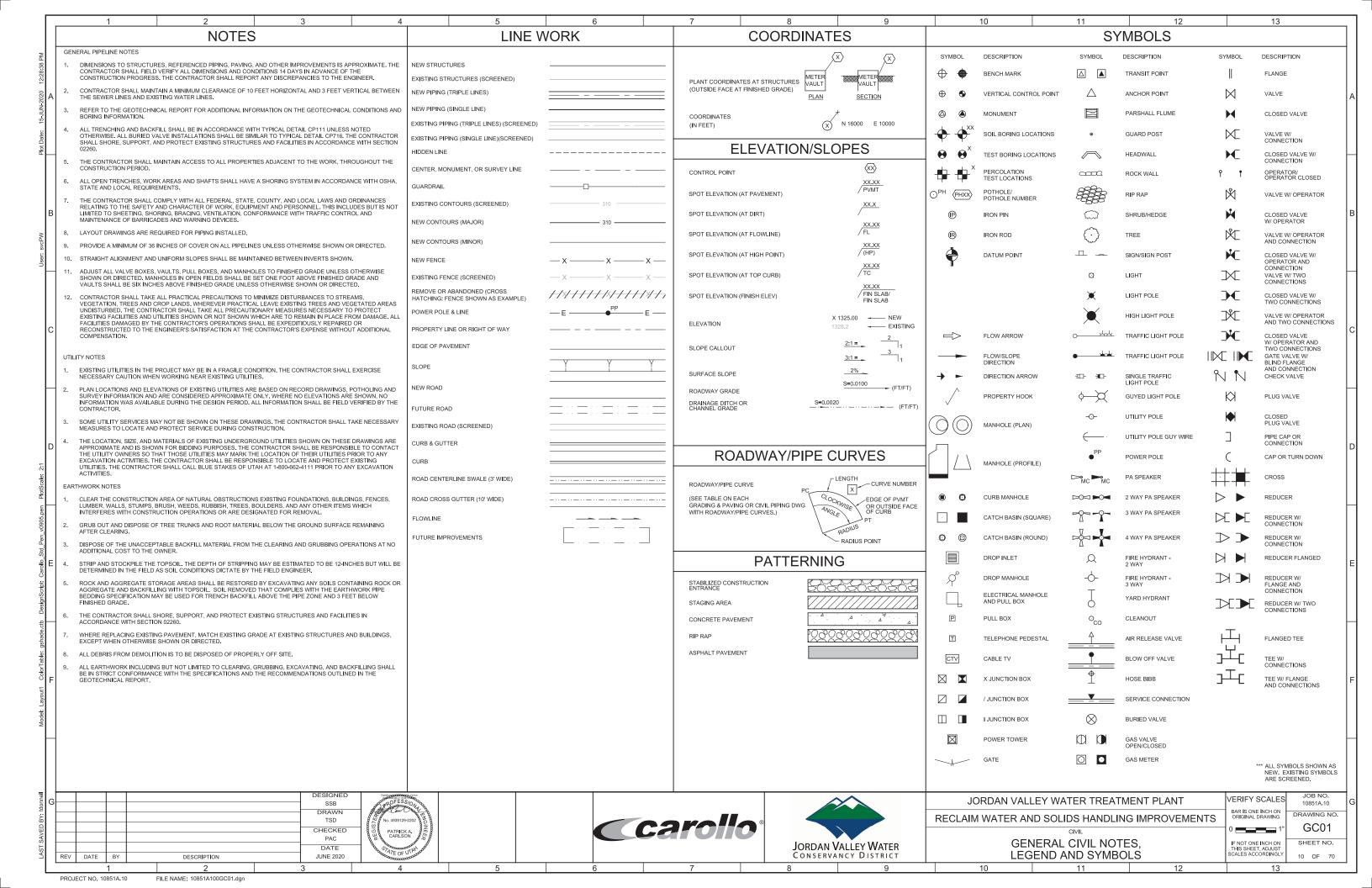


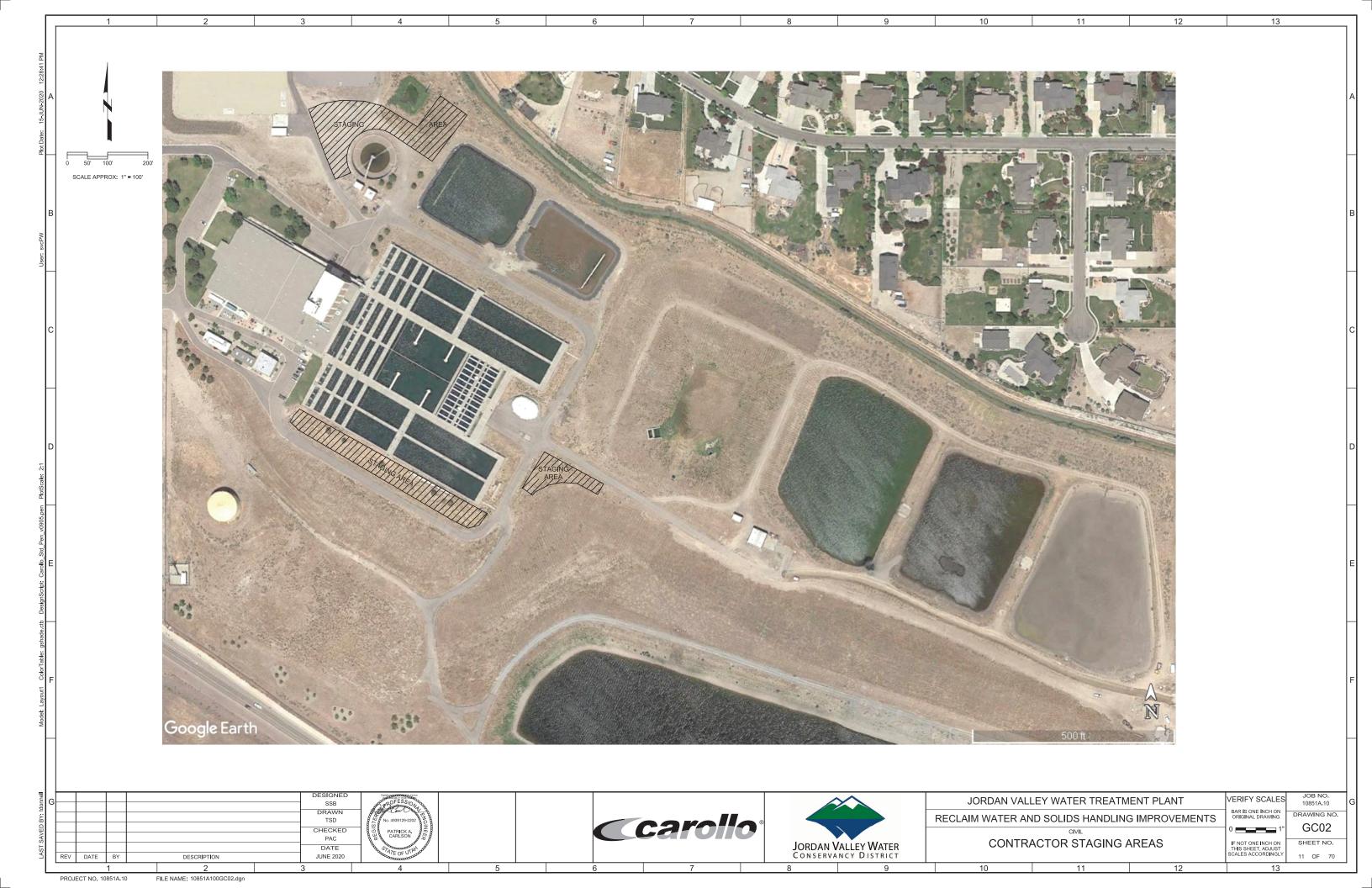
1 2	3 4	5	6	7	8	9	10	11	12 13
AT (MEASUREMENT) DEFLECTION ANGLE, CENTRAL ANGLE	CTJ CONTROL JOINT CTL CONTROL	FPM FPP	FEET PER MINUTE FLEXIBLE PLASTIC PIPE	MC MCJ	MECHANICAL COUPLING MASONRY CONTROL JOINT	RES REV	RESERVOIR REVISION, REVERSE	TR TRD	TRIAD (THREE CONDUCTOR SHIELDED CABLE), TIMING RELAY
NUMBER (REBAR Ø)	CTR CENTER, CENTERED CTSK COUNTERSUNK	FRP FRPP	FIBERGLASS REINFORCED PLASTIC FIBERGLASS REINFORCED PLASTIC PIPE	MD MECH	MOTORIZED DAMPER MECHANICAL	RF RG	RETURN FAN RETURN GAN RETURN GRILLE RUBBER GASKET	TS TSD	THICKENER SUPERNATANT OR SUBNATANT THICKENED SLUDGE DECANT
ANCHOR BOLT	CU CUBIC CUP COPPER PIPE	FRS FS	FROTH SPRAY FAR SIDE	MET MFR	METAL MANUFACTURER	RH RHR	RIGHT HAND RIGHT HAND REVERSE	TSPL TSTAT	TURBIDIMETER SAMPLE THERMOSTAT
C AGGREGATE BASE COURSE S ACRYLONITRILE BUTADIENE STYRENE ASPHALTIC CONCRETE	CV CHECK VALVE CW COLD WATER	FSTN FT or '	FASTEN(ED) FOOT, FEET	MG/L MGD	MILLIGRAMS PER LITER MILLION GALLONS PER DAY	RHRA RHRB	RIGHT HAND REVERSE ACTIVE RIGHT HAND REVERSE BEVEL	TTB TUR	TELEPHONE TERMINAL BOARD TURBINE
ASPHALTIC CONCRETE AIR CIRCUIT BREAKER AMERICAN CONCRETE INSTITUTE	CWV COMBINATION WASTE AND VENT CY CUBIC YARD	FTG FUP	FOOTING FUEL DISPENSER	MH MIN	MANHOLE MINIMUM	RLS RM	REGISTERED LAND SURVEYOR ROOM	TV TWV	TURNING VANES THREE-WAY VALVE
P ASBESTOS CEMENT PIPE U AIR CONDITIONING UNIT	D D DEPTH, DIGITAL OR DISCRETE, DRAIN	FV FW	FLAP VALVE FLUSHING WATER	MISC MIX	MISCELLANEOUS MIXER	RO ROT	ROUGH OPENING ROTAMETER	TYP	TYPICAL
AREA DRAIN DL ADDITIONAL	D/W DRIVEWAY DBL DOUBLE	FX FXC FXE	FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FIRE EXTINGUISHER - ELECTRICAL	MJ MK ML	MECHANICAL JOINT MARK MIXED LIQUOR	RP RPM RPMP	RADIUS POINT REVOLUTIONS PER MINUTE REINFORCED PLASTIC MORTAR PIPE	U uc	UNDERCUT UNDERGROUND
DJ ADJACENT, ADJUST, ADJUSTABLE DMIN ADMINISTRATION	DDR DESICCANT DRYER DEG or ° DEGREE		FIRE EXTINGUISHER - ELECTRICAL	MO MOD	MASONRY OPENING MODIFIED	RR RR RSR	RETURN REGISTER RISER	UHMWPE UHMW	ULTRA HIGH MOLECULAR WEIGHT POLYETHYLENE ULTRA HIGH MOLECULAR WEIGHT
DR ACCESS DOOR ED AREA EQUIPMENT DRAIN	DEMO DEMOLISH, DEMOLITION DET DETAIL	G_{G}	GAS, GROUND, GUTTER GAUGE or GAGE	MOIST MON	MOISTURE MONUMENT	RT RTF	RIGHT ROTARY FEEDER	UNO US	UNLESS NOTED OTHERWISE UTILITY SINK
ER AERAT(ION)(OR) FC AFTERCOOLER	DFL DECANT/FILTRATE DG DOOR GRILLE	GAL GALV	GALLONS GALVANIZE(D)	MOS MPM	MOISTURE SEPARATOR METERING PUMP	RTU RUD	ROOF TOP UNIT RUPTURE DISK	V v	VALVE
FF ABOVE FINISHED FLOOR FM AIR FLOW MONITOR	DIA or Ø DIAMETER DIAG DIAGONAL	GAV GB	GRAVITY VĖNTILATOR GRADE BREAK	MS MTD	MOP SINK MOUNTED	RW RWR	RECLAIMED WATER, REUSE WATER RECLAIMED WATER RETURN	VAR VB	VARIES VALVE BOX
HU AIR HANDLING UNIT IC AIR COMPRESSOR	DIF DIFFUSER DIG DIGESTER	GBT GC	GRAVITY BELT THICKENER GROOVED COUPLING	N N		RWW	RAW WASTEWATER	VCP VEC	VITRIFIED CLAY PIPE VINYL ESTER COATING
IL AIR INTAKE LOUVER LT ALTERNATE	DIM DIMENSION DIP DUCTILE IRON PIPE	GEL GEN	GRAVITY EXHAUST LOUVER GENERAL, GENERATOR	NA	NORTH, NEUTRAL NOT APPLICABLE	S s/w	SIDEWALK	VERT VFR	VERTICAL VOLUMETRIC FEEDER
L ALUMINUM NCH ANCHOR	DISCH DISCHARGE DIW DEIONIZED WATER	GL GLV	GLASS GLOBE VALVE	NC NEV	NORMALLY CLOSED VALVE, NEEDLE	S SA	SOUTH, SWITCH, SLOPE SAMPLE	VG VOL	VACUUM GAUGE, VALLEY GUTTER VOLUME
NV ANGLE VALVE PPROX APPROXIMATE, APPROXIMATELY	DL DEAD LOAD, DRAIN LINE DLV DOOR LOUVER DMP DAMPER	GM GND	GAS METER GROUND	NG NIC	NATURAL GRADE, NATURAL OR LP GAS NOT IN CONTRACT	SC SCB	SECONDARY CLARIFIER SCRUBBER	VRV VTR	VACUUM REGULATING VALVE VENT THROUGH ROOF
RCH ARCHITECTURAL RV AIR RELEASE VALVE SSY ASSEMBLY	DMP DAMPER DMS DIAPHRAGM SEAL DN DOWN	GPD GPM	GALLONS PER DAY GALLONS PER MINUTE GRADE	NO.,# NOM NPT	NUMBER NOMINAL NATIONAL PIPE THREAD	SCD SCFM	SMOKE CONTROL DAMPER STANDARD CUBIC FEET PER MINUTE	W _w	
STM AMERICAN SOCIETY FOR TESTING AND MATERIAL		GR GRTG	GRATING	NPV NS	NON-POTABLE WATER NEAR SIDE	SCH SCO SCR	SCHEDULE SURFACE CLEANOUT	W/	WEST, WIDTH WITH
V ACID VENT VG AVERAGE VV AIR AND VACUUM VALVE	DP DEEP (OR DEPTH) DPV DIAPHRAGM VALVE	GRV GSP	GRAVITY VENTILATOR GALVANIZED STEEL PIPE	NTS	NOT TO SCALE	SCR SCR SD	BAR SCREEN SILICON CONTROL RECTIFIER SMOKE DETECTOR, SPLITTER DAMPER, STO	W/O WAS	WITHOUT WASTE ACTIVATED SLUDGE
W ACID WASTE	DR DOOR, DRAIN DRT DRIP TRAP	GV GYP	GATE VALVE GYPSUM	O 。	OPEN		DRAIN SUMP DISCHARGE DRAIN LINE	WEF	WALL CLEANOUT WALL EXHAUST FAN
C BEGIN CURVE, BRASS CAP, BACK OF CURB, BOLT	DRV DRAIN VALVE	Н⊩	EXPLOSION-PROOF, HIGH, HORIZONTAL	OBD OC	OPPOSED BLADE DAMPER ON CENTER	SDL SDO	SLUDGE DRAWOFF	WF WH	WALL FITTING, WASH FOUNTAIN WATER HEATER
CIRCLE CKR BACKER BOARD	DS DIGESTED SLUDGE, DOWN SPOUT DSW DISTILLED WATER, DOOR SWITCH DUC DUST COLL ECTOR	H1E H2E	HOOK ONE END HOOK TWO ENDS	OD OED	OUTSIDE DIAMETER, OUTSIDE DIMENSION OPEN EQUIPMENT DRAIN	SE SEC	SECONDARY EFFLUENT SECONDARY, SECOND	WI WL	WEIGHT INDICATOR WALL LOUVER, WATER LEVEL
CM BATCHMETER D BOARD	DUC DUST COLLECTOR DUH DUCT HEATER UNIT DW DISTILLED WATER	HAS HB HDPE	HEADED ANCHOR STUD HOSE BIBB	O.F. OFL	OUTSIDE FACE OVERFLOW	SECT SED SEP	SECTION SEDIMENTATION SEPTAGE	WM WOD	WATER METER WASTE OIL DRAIN
DD BACKDRAFT DAMPER DR BASIN DRAIN LINE	DWD DEWATERING DRAIN DWG(S) DRAWING(S)	HDW	HIGH DENSITY POLYEHTYLENE HARDWARE	OPNG OPP	OPENING OPPOSITE	SEP SF SFW	SUPPLY FAN SOFTENED WATER	WP WPT	WEATHERPROOF, WATERPROOF WORKING POINT
F BLIND FLANGE FG BELOW FINISHED GRADE	DWL(S) DOWEL(S)	HDWL HEF	HEADWALL HOOD EXHAUST FAN	OPP HND OZ	OPPOSITE HAND OUNCE	SG SGS	SUPPLY GRILLE STORE FRONT GLAZING SYSTEM	WRG WRS	WEIR GATE WATER SOFTENER
FP BELT FILTER PRESS V BUTTERFLY VALVE	E E EAST	HGT HOR I Z	HEIGHT HORIZONTAL	P a	POLE.	SHD SHDR	SHOWER DRAIN SOLIDS HANDLING-RECYCLE	WS WSTP	WATER SURFACE WATERSTOP
BREAK GLASS HAND SWITCH BACKWASH	EA EACH EC END OF CURVE	HP HPA	HEAT PUMP, HORSEPOWER, HIGH PRESSURE HIGH PRESSURE AIR	PBL	POLE POLYMER BLENDER PONT OF OUR WATER	SHR SHT	SHOWER SHEET	WT WTF WTP	WALK THROUGH, WEIGHT WATER TREATMENT FACILITY WATER TREATMENT PLANT
.DG BUILDING .K BLOCK	ECC RED ECCENTRIC REDUCER ECU EVAPORATOR COOLING UNIT	HPT HPU	HIGH POINT HEAT PUMP UNIT AIR	PC PCC PCCP	POINT OF CURVATURE PLANT CONTROL CENTER PRESTRESSED CONCRETE CYLINDER PIPE	SIM SK	SIMILAR SKIMMINGS	WTR WV	WATER CONTROL VALVE
.KHD BULKHEAD .R PROCESS BLOWER	ED EQUIPMENT DRAIN EF EXHAUST FAN, EACH FACE	HR HSF	HANDRAIL, HOSE REEL, HOUR HOOD SUPPLY FAN	PCP PCP PD	PRESTRESSED CONCRETE CYLINDER PIPE PROGRESSIVE CAVITY PUMP POSITIVE DISPLACEMENT, PLANT DRAIN	SL SLC	SLOPE, SLUDGE SLUDGE COLLECTOR DRIVE	WW WWF	WATER WASTEWATER WELDED WIRE FABRIC
M BEAM, BENCH MARK DTT BOTTOM	EFF EFFLUENT EG EXHAUST GRILLE	HSS HTX	HOLLOW STRUCTURAL SECTION (STEEL) HEAT EXCHANGER	PD, PLD PDP	PULSATION DAMPENER POSITIVE DISPLACEMENT PUMP	SLG SLV	SLIDE GATE SLEEVE VALVE	WWTF WWTP	WASTEWATER TREATMENT FACILITY WASTEWATER TREATMENT PLANT
DTTS BOTTOM SLUDGE V BACK PRESSURE VALVE	EIFS EXTERIOR INSULATION AND FINISH SYSTEM EJ EXPANSION JOINT	HV HW	HOSE VALVE HOT WATER	PE PERP	PLAIN END PERPENDICULAR	SMP SN	SAMPLER, SUMP PUMP SUPERNATANT OR SUBNATANT	V	WASTEWATER TREATMENT PLANT
RG BEARING SP BLACK STEEL PIPE	EJR INJECTOR/EDUCTOR EL ELEVATION	HWL HWR	HIGH WATER LEVEL HOT WATER RETURN	PG	PRESSURE GAUGE PHASE. PHYSICALLY HANDICAPPED	SOL SP	SOLUTION STATIC PRESSURE, SET POINT	Y Y	WYE YARD CLEANOUT
ΓU BRITISH THERMAL UNITS ΓWN BETWEEN	ELEC ELECTRICAL ELL ELBOW	HWS HxW	HOT WATER SUPPLY HEIGHT BY WIDTH	PH PI PIV	POINT OF INTERSECTION POST INDICATOR VALVE	SPD SPDT	SUMP PUMP DRAIN SINGLE POLE DOUBLE THROW	YH	YARD HYDRANT
V BALL VALVE WCCP BAR-WRAPPED CONCRETE CYLINDER PIPE	EMBED EMBEDMENT EMH ELECTRICAL MANHOLE	HYD •	HYDRANT	PL PLAS	PLATE, PROPERTY LINE PLASTIC	SPEC(S) SPL	SPECIFICATION(S) SPLITTER BOX		
CLOSE, CONDUIT CHANNEL (STRUCTURAL)	EP EDGE OF PAVEMENT EPS EXPANDED POLYSTYRENE	I IA	INSTRUMENT AIR INSIDE DIAMETER, INSIDE DIMENSION, IDENTIFIC	PLCS.	PLASTIC PLACES POLYMER SOLUTION	SPR SPS	SPARE SAMPLE SINK		
CONCRETE ANCHOR	EPV ECCENTRIC PLUG VALVE EQ EQUAL	I.F.	INSIDE FACE INCHES	PLWD	PLYWOOD	SPW SQ	SAMPLE WATER SQUARE		
AUSTIC CAUSTIC SOLUTION (CONCENTRATED OR DILUTE B CATCH BASIN C CENTER OF CURVATURE. CENTER TO CENTER	EQUIP EQUIPMENT ER EXHAUST REGISTER	INCL	INCLUDE, INCLUDING INFLUENT	PMP PNL(S)	PUMP PANEL(S)	SQ FT SQ IN(S)	SQUARE FEET SQUARE INCH(ES)		
CB CHLORINE CONTACT BASIN	ES EACH SIDE ESEW EMERGENCY SHOWER AND EYE WASH	INJ INSTR	INJECTOR INSTRUMENTATION	POL POLY	POLYMER POLYETHYLENE	SR SRL	SHORT RADIUS, SUPPLY REGISTER SCRUBBER RECIRCULATION LIQUID (CAUSTI	^)	
D CEILING DIFFUSER, CONDENSATE DRAIN DL CHEMICAL DRAIN LINE DT CONDUIT	ESS EMERGENCY HAND SWITCH ET ELECTRICALLY HEAT TRACED	INSUL INT	INSULAT(E)(ED)(ING)(ION) INTERIOR	POS POW PP	POSITION POTABLE WATER POWER POLE	SS SSK	SANITARY SEWER, SELECTOR SWITCH SERVICE SINK	<i>5</i> ,	
EF CEILING EXHAUST FAN F CUBIC FEET	EUH ELECTRIC UNIT HEATER EVR EVAPORATOR	INV IP	INVERT IRON PIPE	PPMV PRC	PARTS PER MILLION (VOLUME)	SSL SST	SECONDARY SLUDGE STAINLESS STEEL		
M CUBIC FEET PER MINUTE S CUBIC FEET PER SECOND	EW EACH WAY EWC ELECTRIC WATER COOLER	İSR	INTRINSICALLY SAFE RELAY	PREFAB PRG	POINT OF REVERSE CURVATURE PREFABRICATED PRESSURE REGULATOR	ST STA	SLUDGE TRANSFER STATION		
HEMD CHEMICAL DRAIN IF CHEMICAL FEEDER	EWEF EACH WAY EACH FACE EWH ELECTRIC WATER HEATER, EXHAUST	${\sf J}$ $_{\sf JST}$	JOIST	PRI PROJ	PRIMARY PROJECTION	STB STD(S)	STABILIZER STANDARDS(S)		
HKD PL CHECKERED PLATE CAST IRON	EX EXISTING EXIST EXISTING	JT	JOINT	PROJ PRR PRV	PROJECTION PRESSURE OR VACUUM RELIEF VALVE PRESSURE REDUCING VALVE. PRESSURE	STIFF STIR	STIFFENER STIRRUPS		
IP CAST IRON PIPE IRC CIRCUMFERENTIAL/CIRCUMFERENCE	EXP EXPANSION, EXPANSION TANK EXPO EXPOSED	K KGV	KNIFE GATE VALVE	PS	REGULATION VALVE, PRESSURE RELIEF VA PUMP STATION, PIPE SUPPORT		STEEL STEAM		
CONSTRUCTION JOINT CA CHECK VALVE, ANGLE	EXT EXTERIOR	Lı	ANGLE (STRUCTURAL), LENGTH, LOUVER	PSF PSG	POUNDS PER SQUARE FOOT PRESSURE GAUGE	STP STR	STEEL PIPE STRAINER		
KB CHECK VALVE, BALL KF CHECK VALVE, FLAP	F FACT FACTORY FOUL AIR DUCT	LAB LAV	LABORATORY LAVATORY	PSI PSIG	POUNDS PER SQUARE INCH POUNDS PER SQUARE INCH GAUGE	STRUCT SUG	STRUCTURAL SLUICE GATE		
S CHECK VALVE, SWING CENTER LINE	FB FLAT BAR FBW FILTER BACKWASH	LB(S) LDF	POUND(S) LIQUID DIESEL FUEL	PT PV	POINT, POINT OF TANGENCY PLUG VALVE	SUPT SV	PIPE SUPPORT, SUPPORT SERVICE VALVE, SHUTOFF VALVE, SOLENOII	VALVE	
LK CHAIN LINK LD CHLORINE LEAK DETECTOR	FC FACE OF CURB, FLEXIBLE COUPLING FCA FLANGE COUPLING ADAPTER	LDFR LF	LIQUID DIESEL FUEL RETURN LINEAL FEET	PVC	POINT OF VERTICAL CURVATURE, POLYVINYL CHLORIDE		SANITARY WASTE SEAL WATER		
LL CHLORINE LIQUID LP CHLORINE GAS (PRESSURE)	FCO FLOOR CLEANOUT FCU FAN COIL UNIT	LG LH	LONG LEFT HAND	PVDF PVI	POLYVINYLIDENEFLUORIDE POINT OF VERTICAL INTERSECTION	SYM SYN	SYMMETRICAL SYNTHETIC		
LR CLEAR LS CHLORINE SOLUTION	FD FIRE DAMPER, FLOOR DRAIN, FOUND FDC FIRE DEPARTMENT CONNECTION	LHR LHRA	LEFT HAND REVERSE LEFT HAND REVERSE ACTIVE	PVMT PVT	PAVEMENT POINT OF VERTICAL TANGENCY	T _T	TANGENT LENGTH THERMOSTAT TIMER		
SM CONTROLLED LOW STRENGTH MATERIAL V CHLORINE GAS (VACUUM)	FDL FLOOR DRAIN LINE FDR FEEDER	LHRB LL	LEFT HAND REVERSE BEVEL LIVE LOAD	PLW	PLANT WATER	T&B TAS	TANGENT LENGTH, THERMOSTAT, TIMER TOP AND BOTTOM		
L CEMENT MORTAR LINED ILC CEMENT MORTAR LINED AND COATED	FEFF FINAL EFFLUENT FG FLAP GATE	LLH LLV	LONG LEG HORIZONTAL LONG LEG VERTICAL	Q aty	QUANTITY	TBM TC	THREADED ANCHOR STUD TEMPORARY BENCHMARK		
MP CORRUGATED METAL PIPE MU CONCRETE MASONRY UNIT	FH FIRE HYDRANT FILT FILTRATE	LP LPA	LOW PRESSURE LOW PRESSURE AIR	$R_{\scriptscriptstyle RW}$	RIGHT OF WAY	TCV TDH	TOP OF CURB TEMPERATURE CONTROL VALVE TOTAL DYNAMIC HEAD		
IV CONVEYOR CLEANOUT	FIN FINISH FIN FL FINISHED FLOOR	LPG LPT LR	LIQUIFIED PROPANE GAS LOW POINT	RAD RAS	RADIUS, RADIAL RETURN ACTIVATED SLUDGE	TDR TEL	TIME DELAY RELAY, TOWEL DISPENSER/REC	EPTACLE	
DL(S) COLUMN(S) DNC CONCRETE	FIN GR FINISHED GRADE FL FLOOR, FLOW LINE	LR LS LT	LONG RADIUS LAB SINK LEFT	RCP RCCP	REINFORCED CONCRETE PIPE REINFORCED CONCRETE CYLINDER PIPE	TH THK	TEST HOLE THICKENER, THICKNESS, THICK		
ONN CONNECT, CONNECTION ONST CONSTRUCTION	FLA FOUL AIR FLD FILTER DRAIN	LWL	LOW WATER LEVEL	RD RDL	ROOF DRAIN ROOF DRAIN LINE	TKS TLV	THICKENED SLUDGE TELESCOPING VALVE		
ONT CONTINUOUS OR CONTINUATION OR (D) (OUS) ORR CORRUGATE(D), CORROSION	FLE FILTER EFFLUENT FLEX FLEXIBLE	Мм	MOTOR	RDOF RECIRC	ROOF DRAIN OVERFLOW RECIRCULATING	TMH TMP	TELEPHONE MANHOLE TEMPERATURE		
P CONTROL POINT PLG COUPLING	FLG FLANGE, OR FLANGED FLR FILTER	MAINT MAN	MAINTENANCE MANUAL	RED REF	REDUCER, ROOF EQUIPMENT DRAIN REFERENCE	TNK T.O.	TANK TOP OF		
PT CARPET PVC CHLORINATED POLYVINYL CHLORIDE	FM FORCE MAIN FND FOUNDATION	MASY MATL	MASONRY MATERIAL	REG REINF	REGULATOR, REGULATING REINFORCE(D)(ING)(MENT)	TOC TOG	TOP OF CONCRETE TOP OF GRATING		
S CARBON STEEL, CIRCULATING SLUDGE SP CHEMICAL SUMP PUMP, CORRUGATED STEEL PIF		MAU MAX	MAKE-UP AIR UNIT MAXIMUM	REJ REQD	RUBBER EXPANSION JOINT REQUIRED	TOM TOS	TOP OF MASONRY TOP OF STEEL		
T CURRENT TRANSFORMER, CERAMIC TILE	FOT FLAT ON TOP	MB	MACHINE BOLT	RER	REACTOR	T.O.W.	TOP OF WALL		
	DESIGNED SSB ROFESSO					^	JORDAN VALLE	Y WATER TR	REATMENT PLANT VERIFY SCALES
	DRAWN DRAWN								BAR IS ONE INCH ON DR
	TSD ## No. 4939129-2202 # G			211			RECLAIM WATER AND		IDLING IMPROVEMENTS ORIGINAL DRAWING OF THE ORIGINAL D
	CHECKED PATRICK A. ORLSON PAC CARLSON						Λ.	GENERAL DDDE\/IATIC	I I
DATE OF THE PROPERTY OF THE PR	DATE STATE OF UTAN				JORDAN VA	LLEY WATER CY DISTRICT	Al	BBREVIATIO	THIS SHEET, ADJUST
DATE BY DESCRIPTION	JUNE 2020	5		7	CONSERVAN	Q OISTRICT	10	11	SCALES ACCORDINGLY 6
1 4	J 4	ı ö	ı	1	1 0	9	I IU	11	12 13

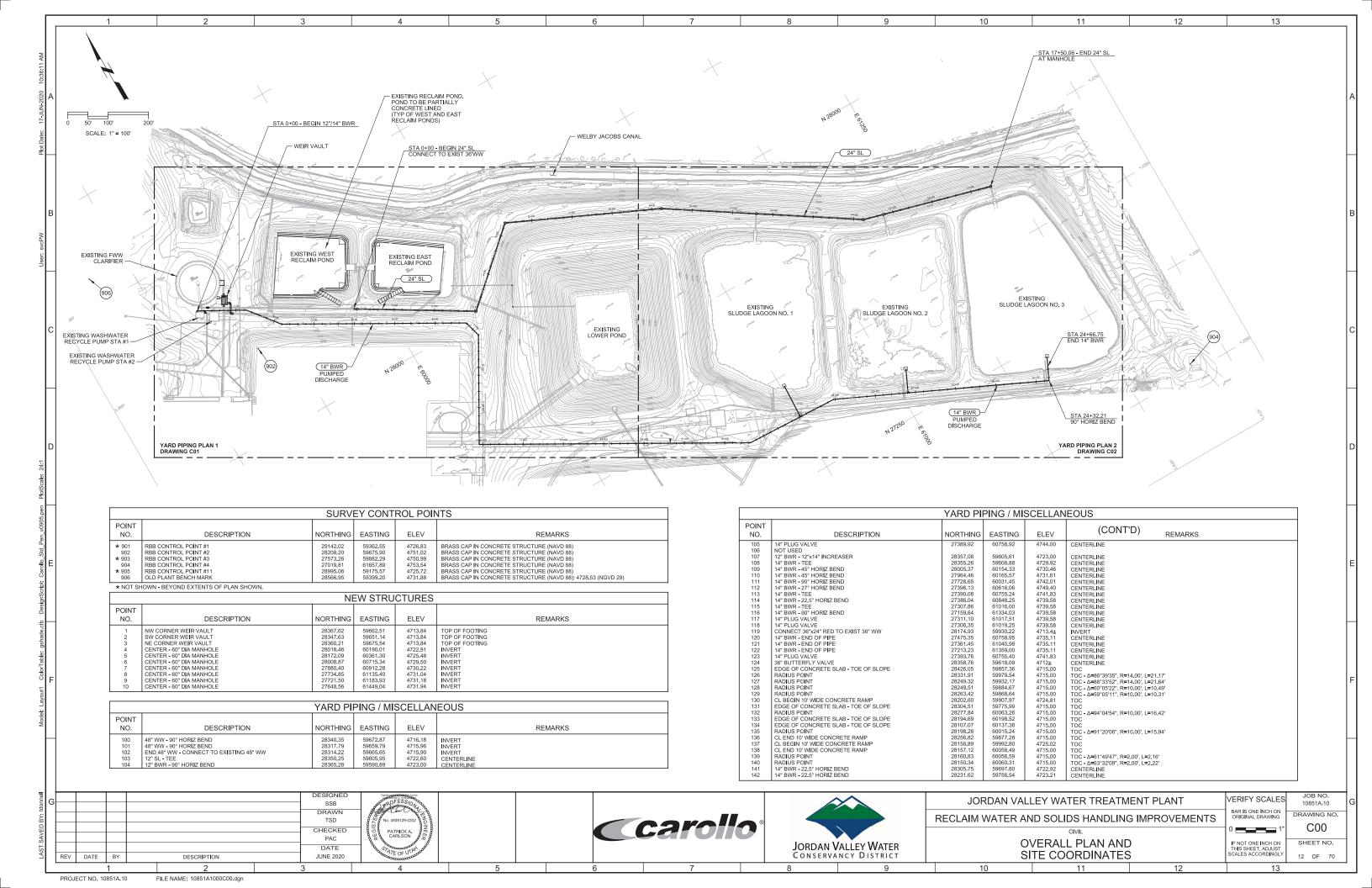


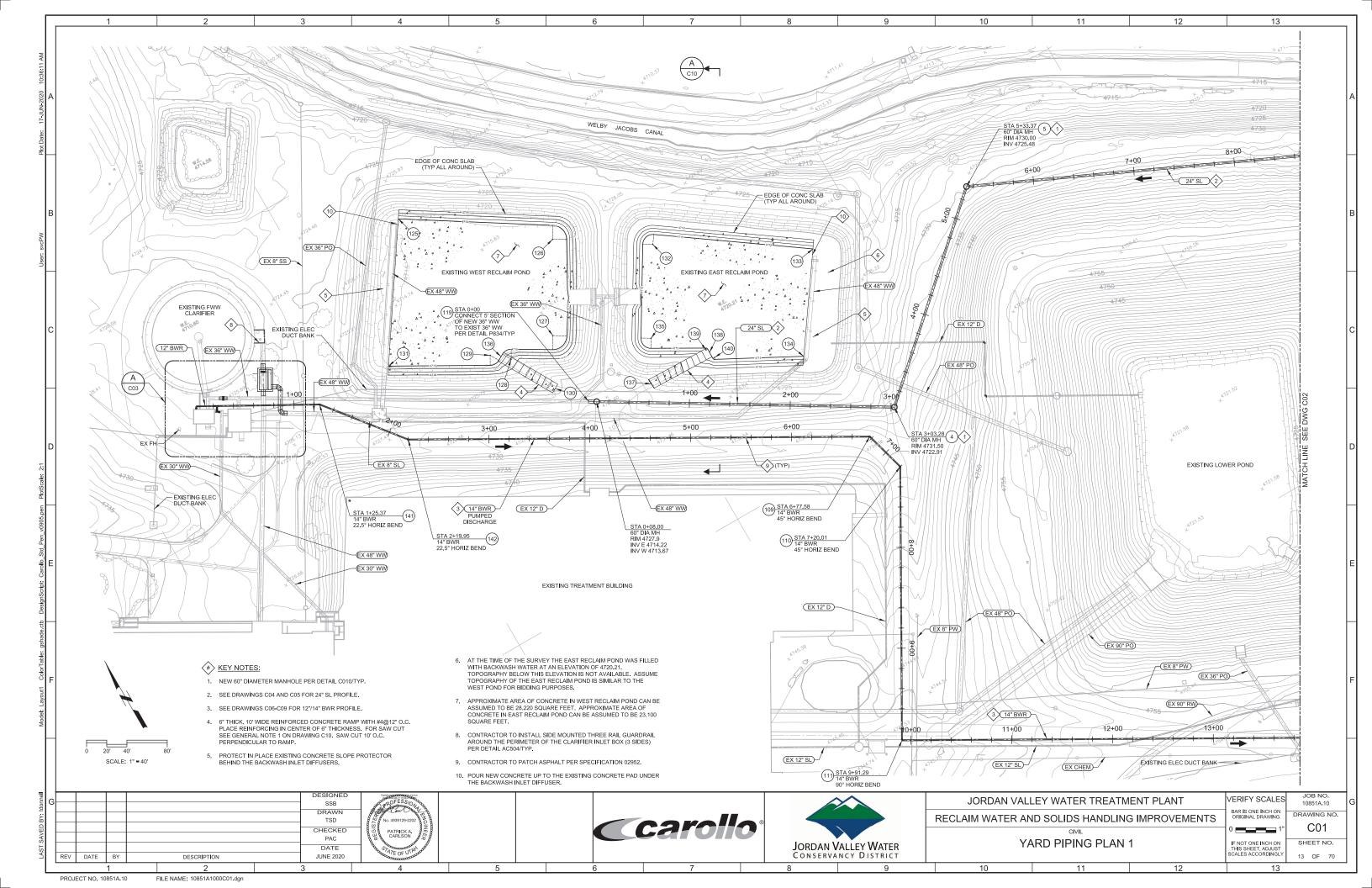


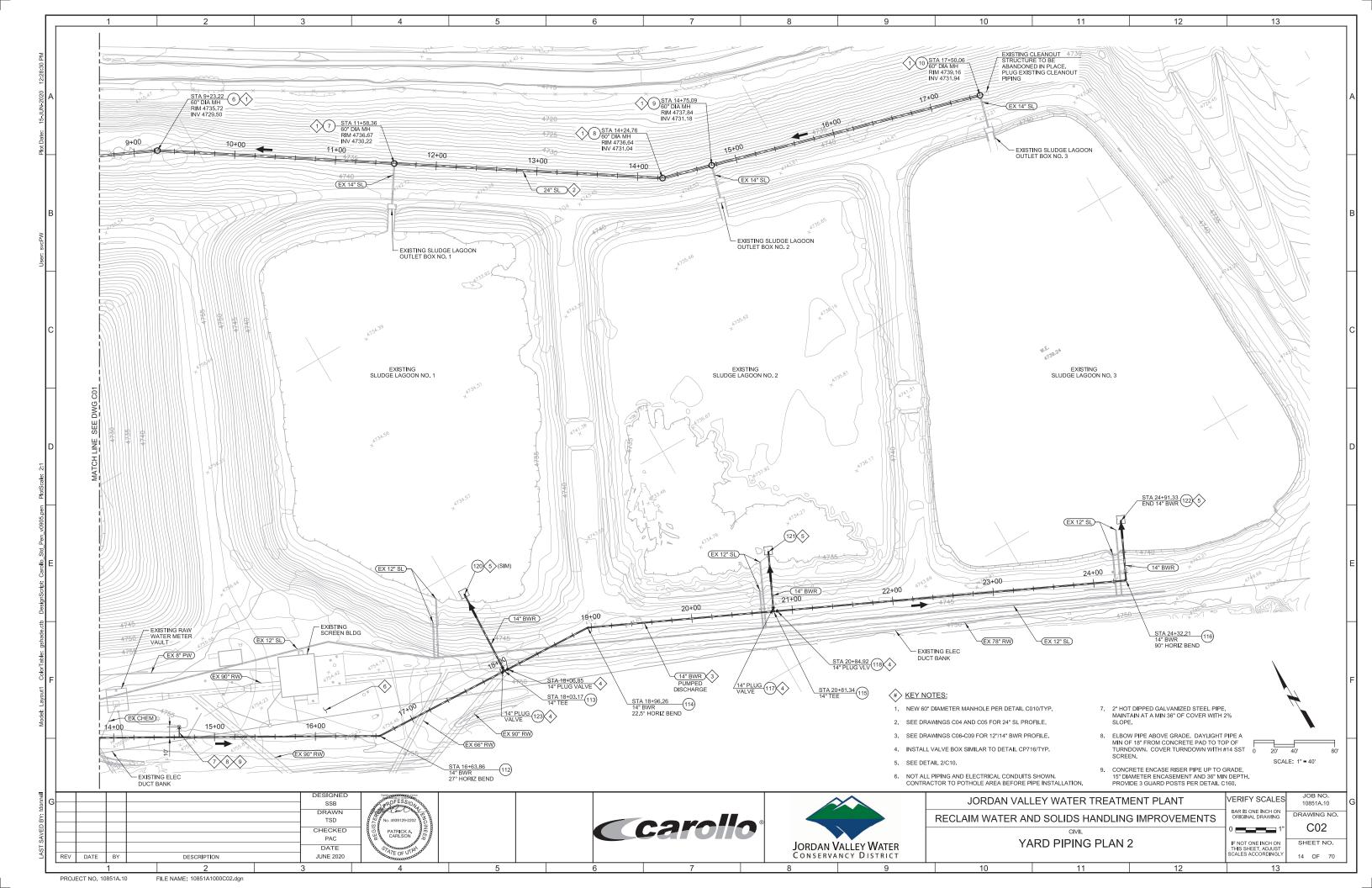


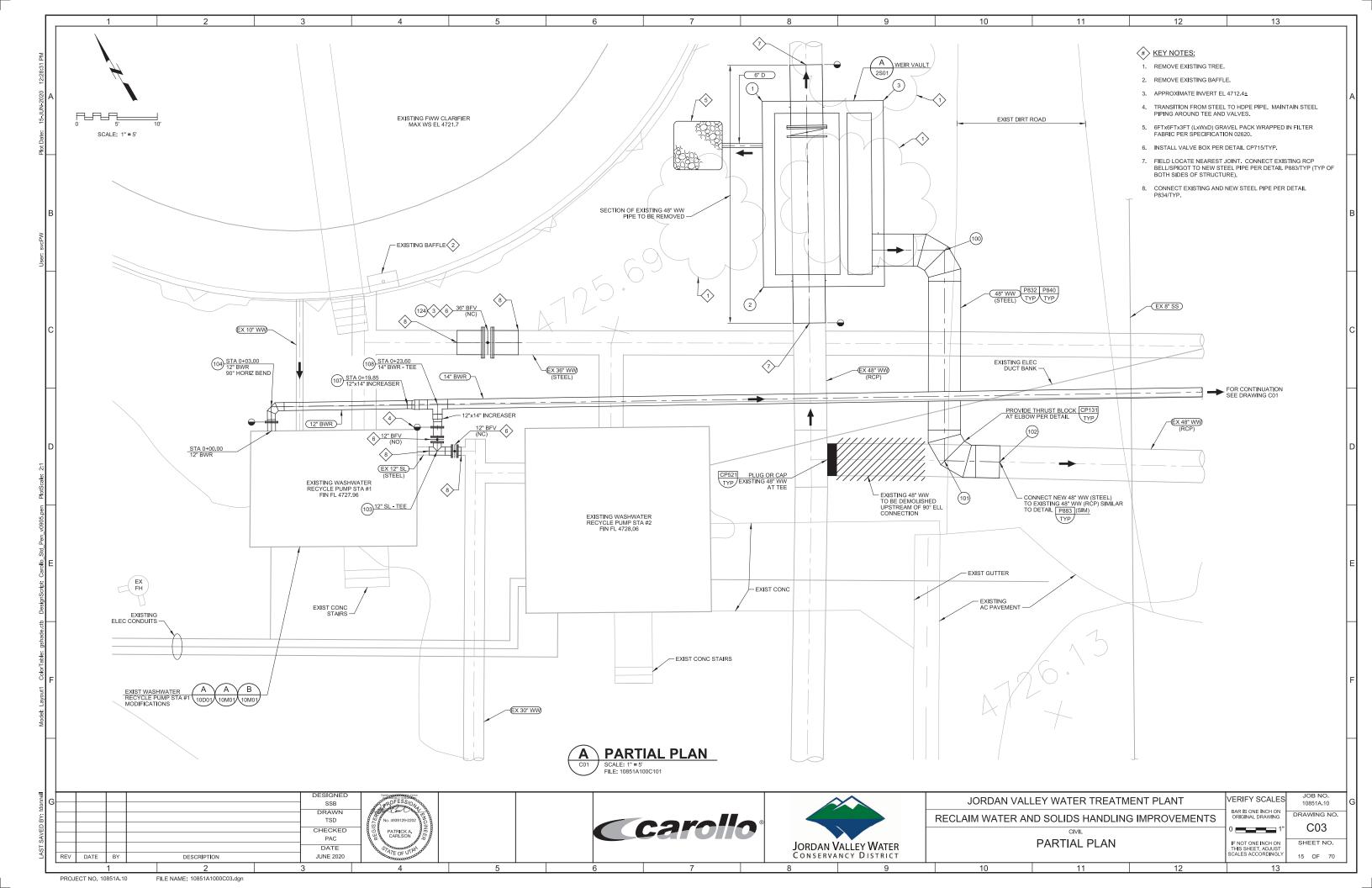


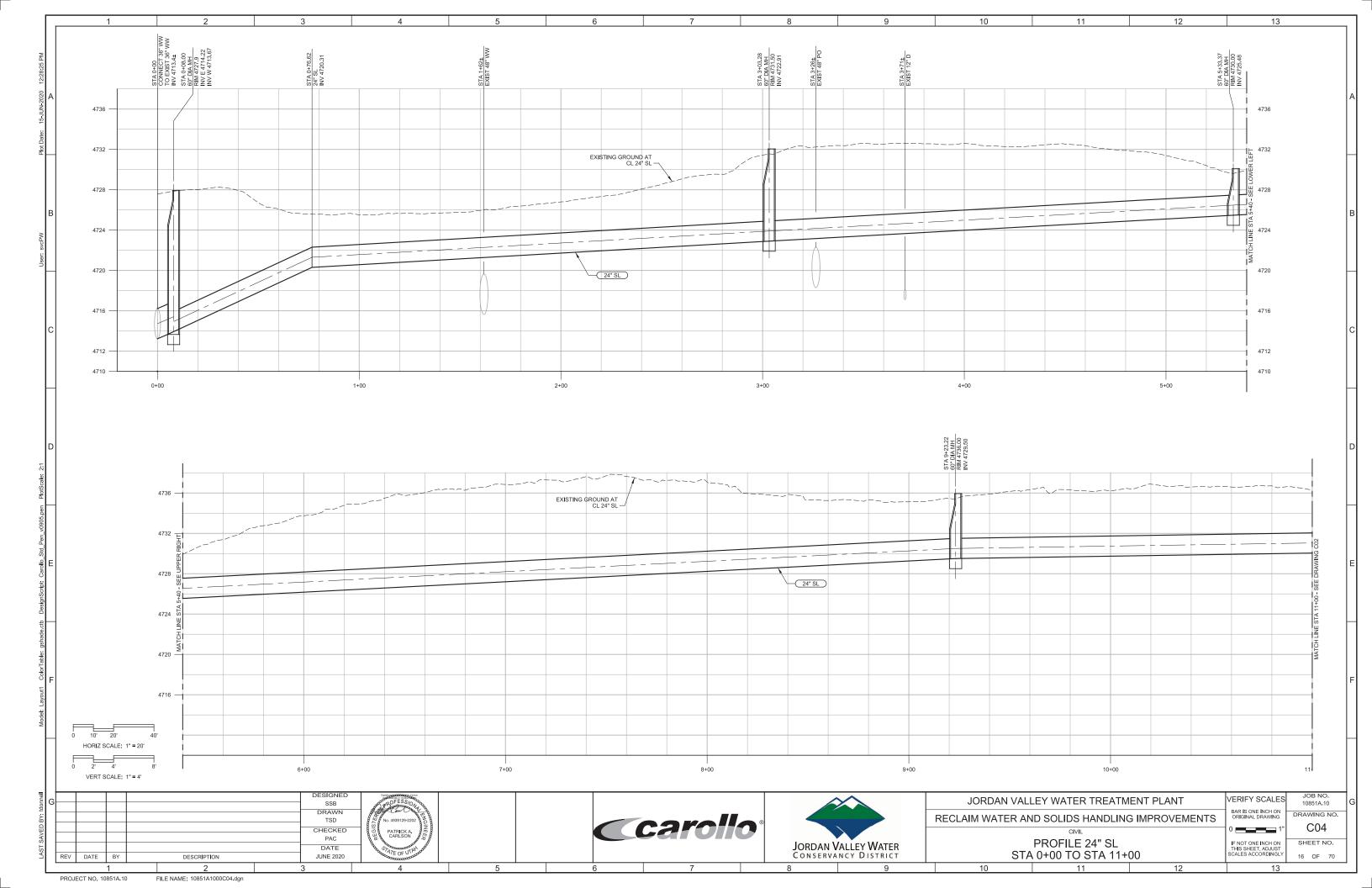


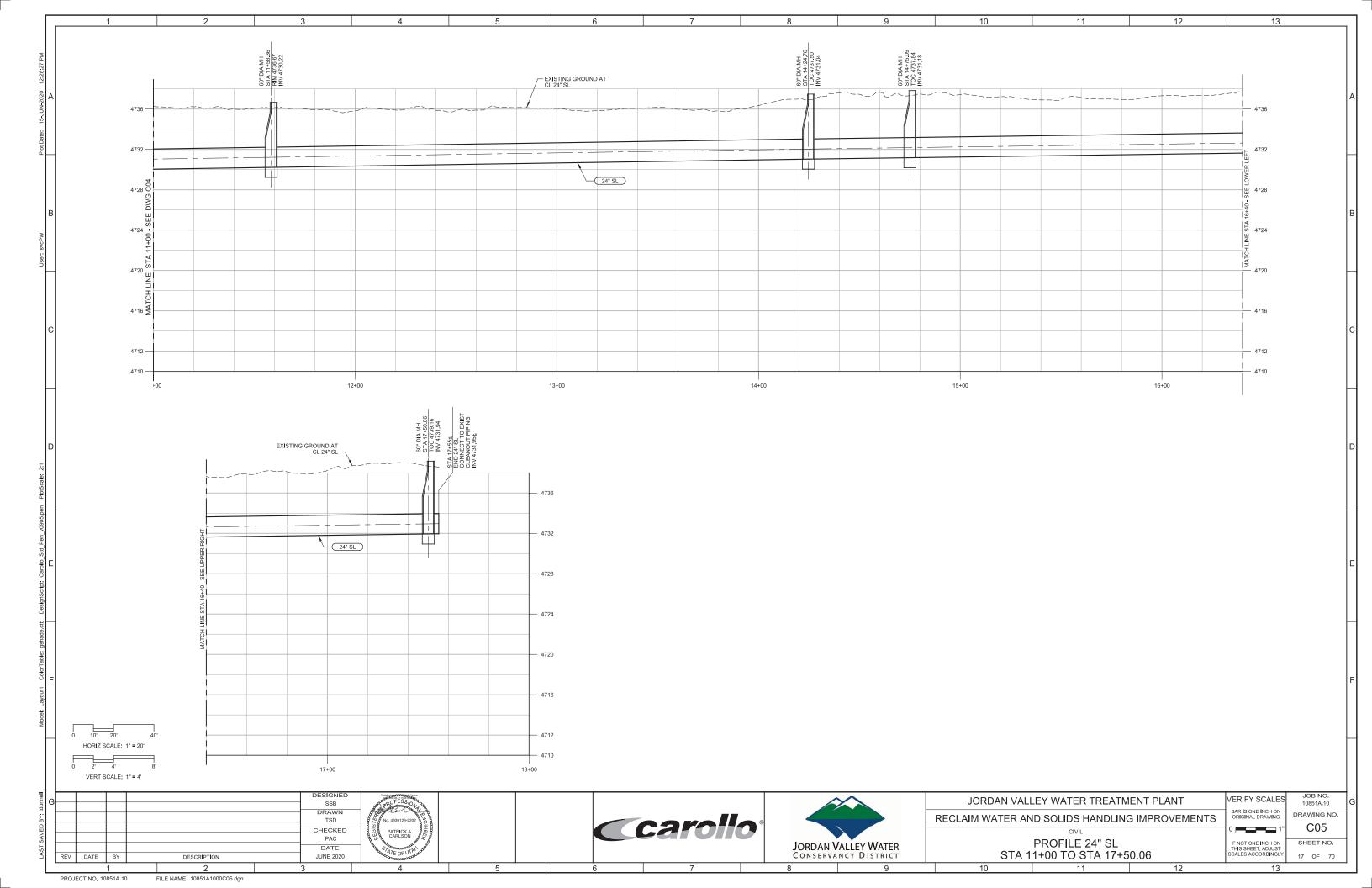


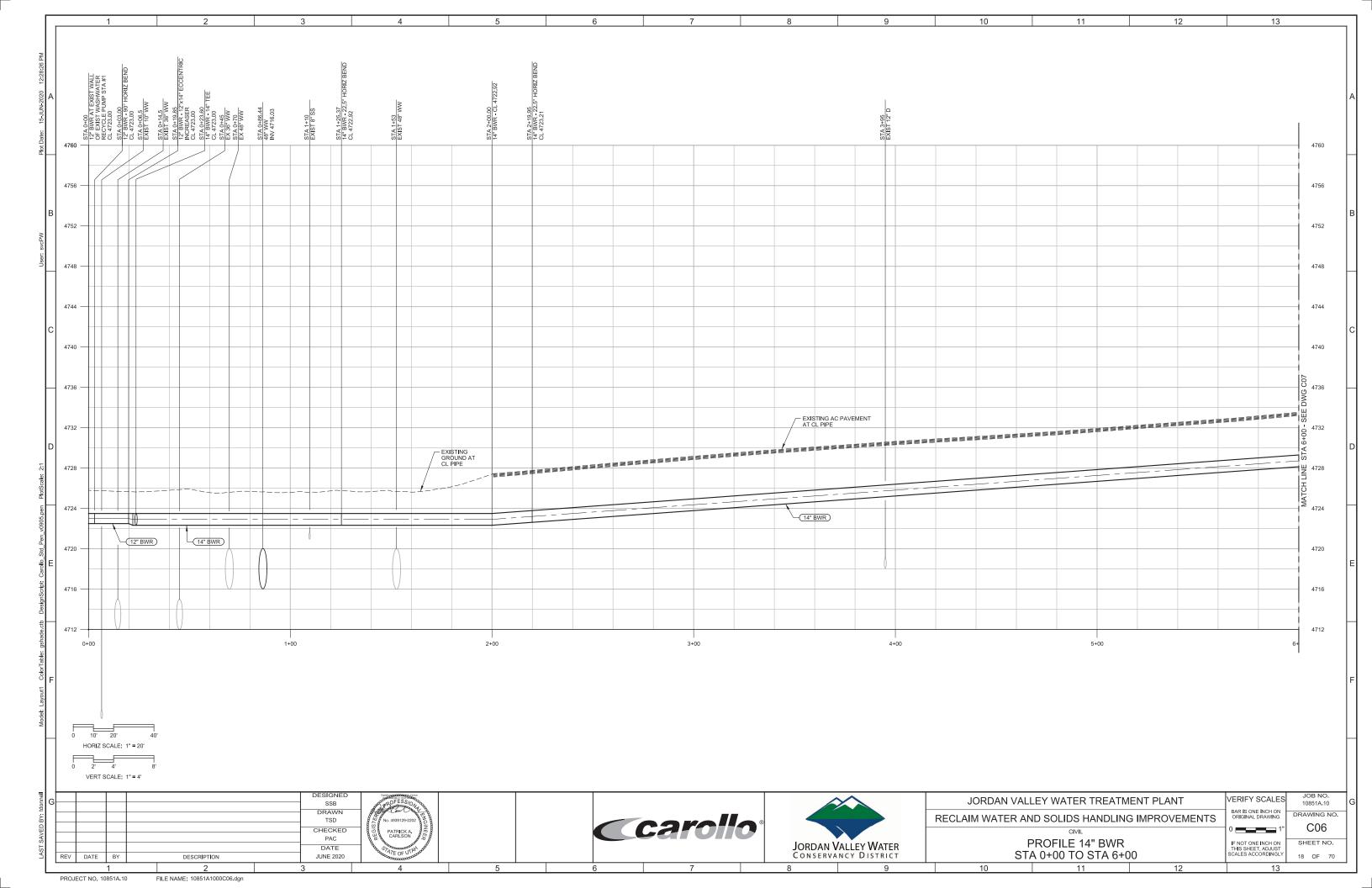


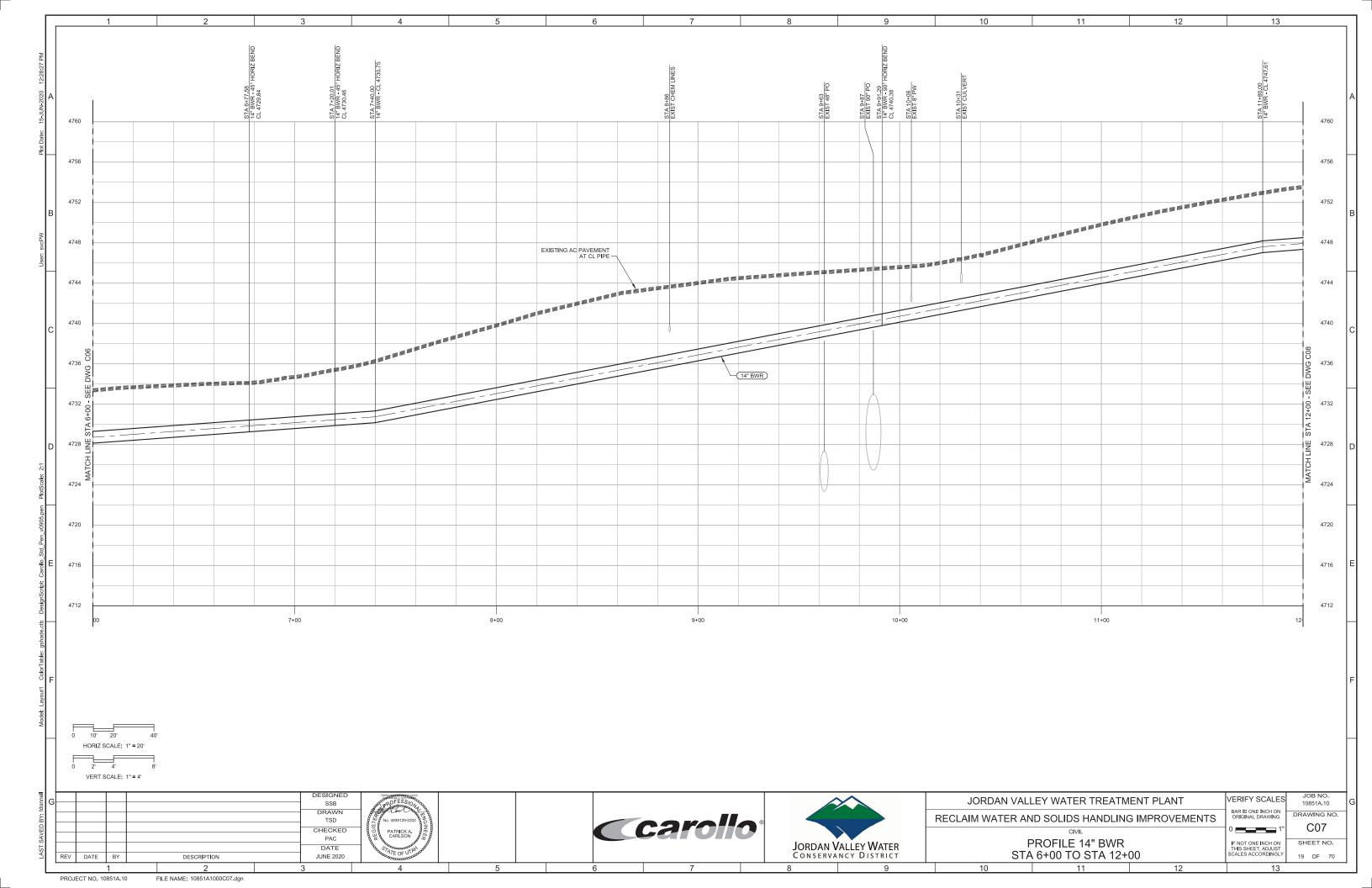


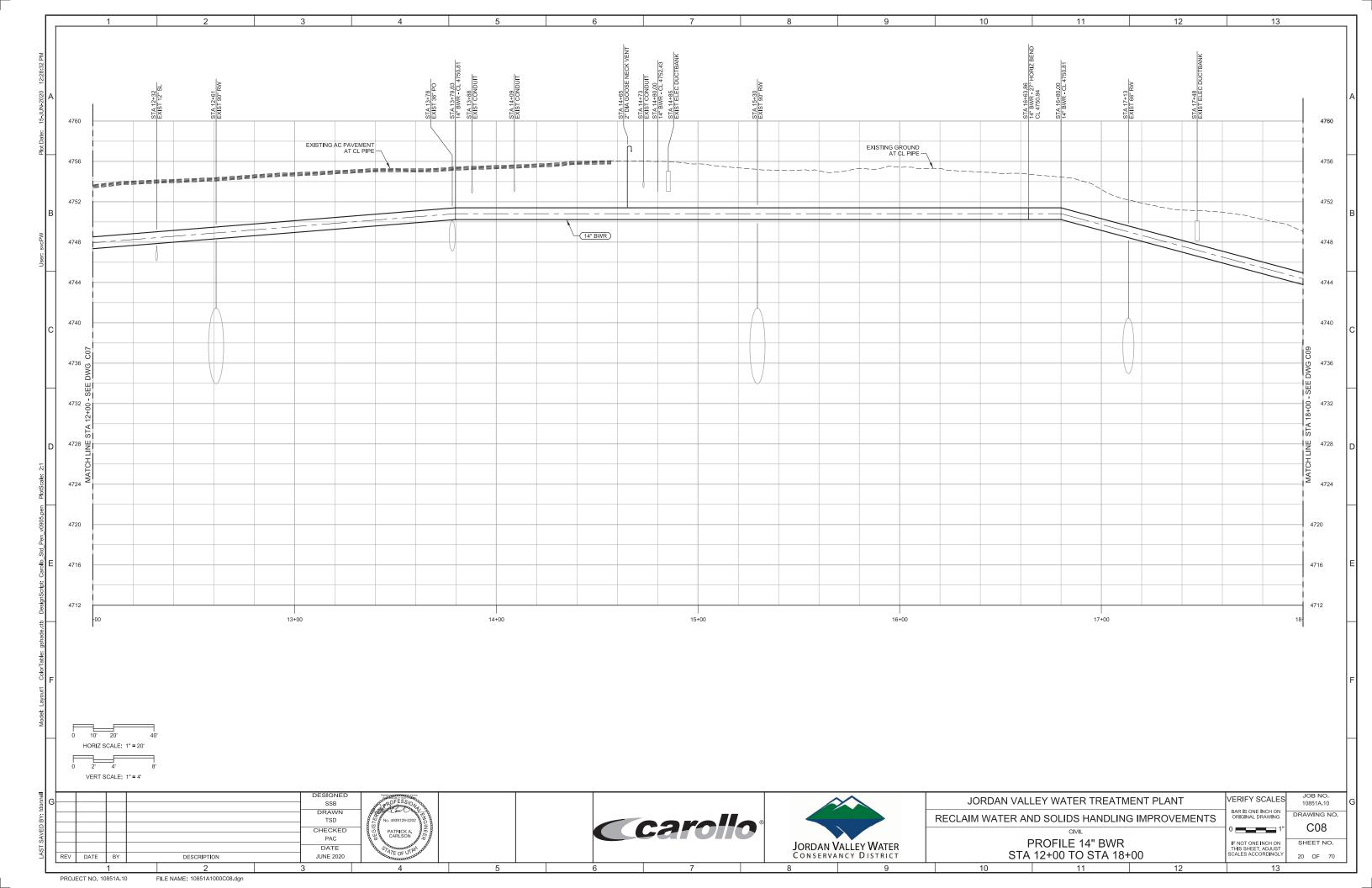


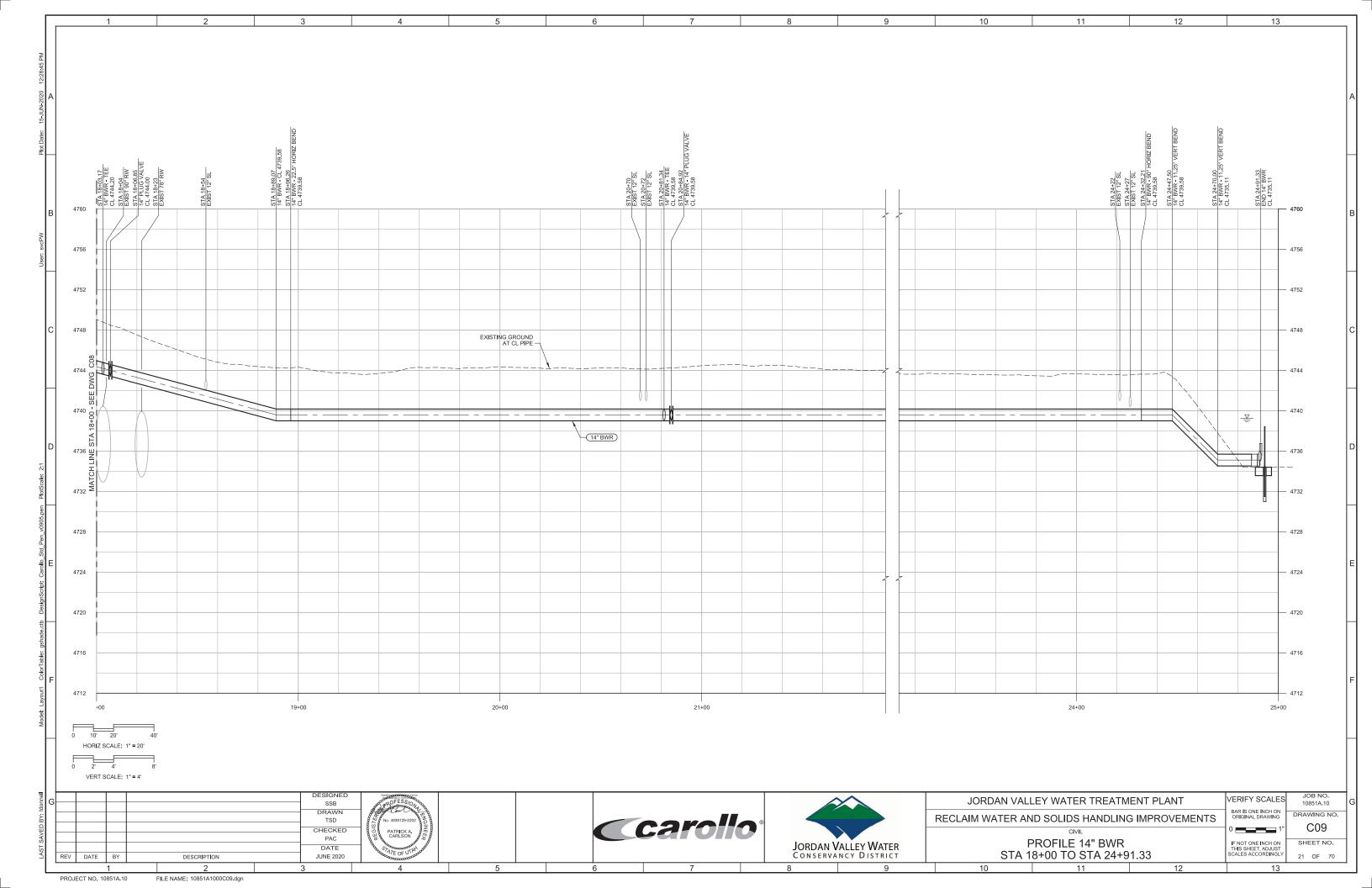


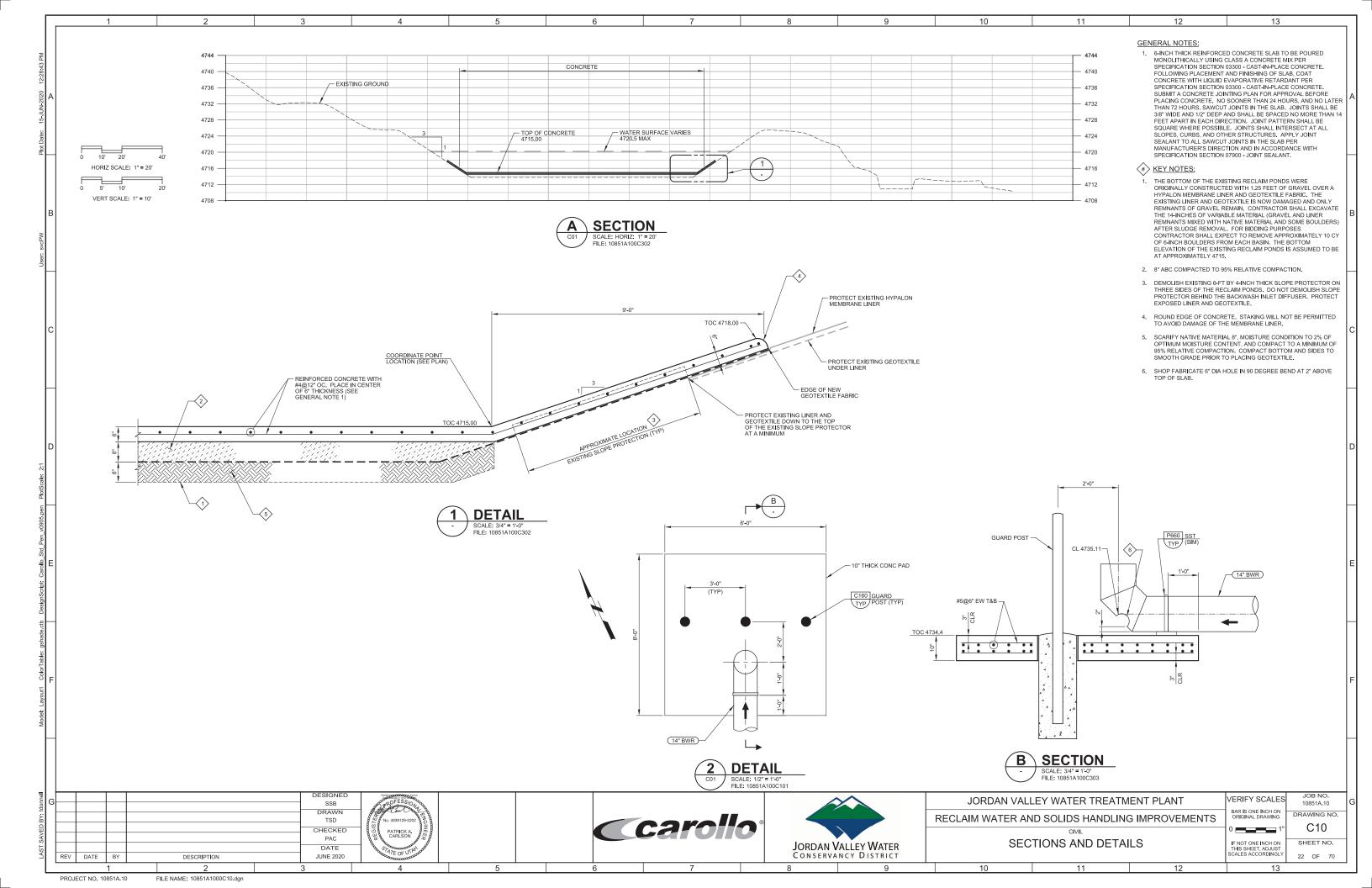




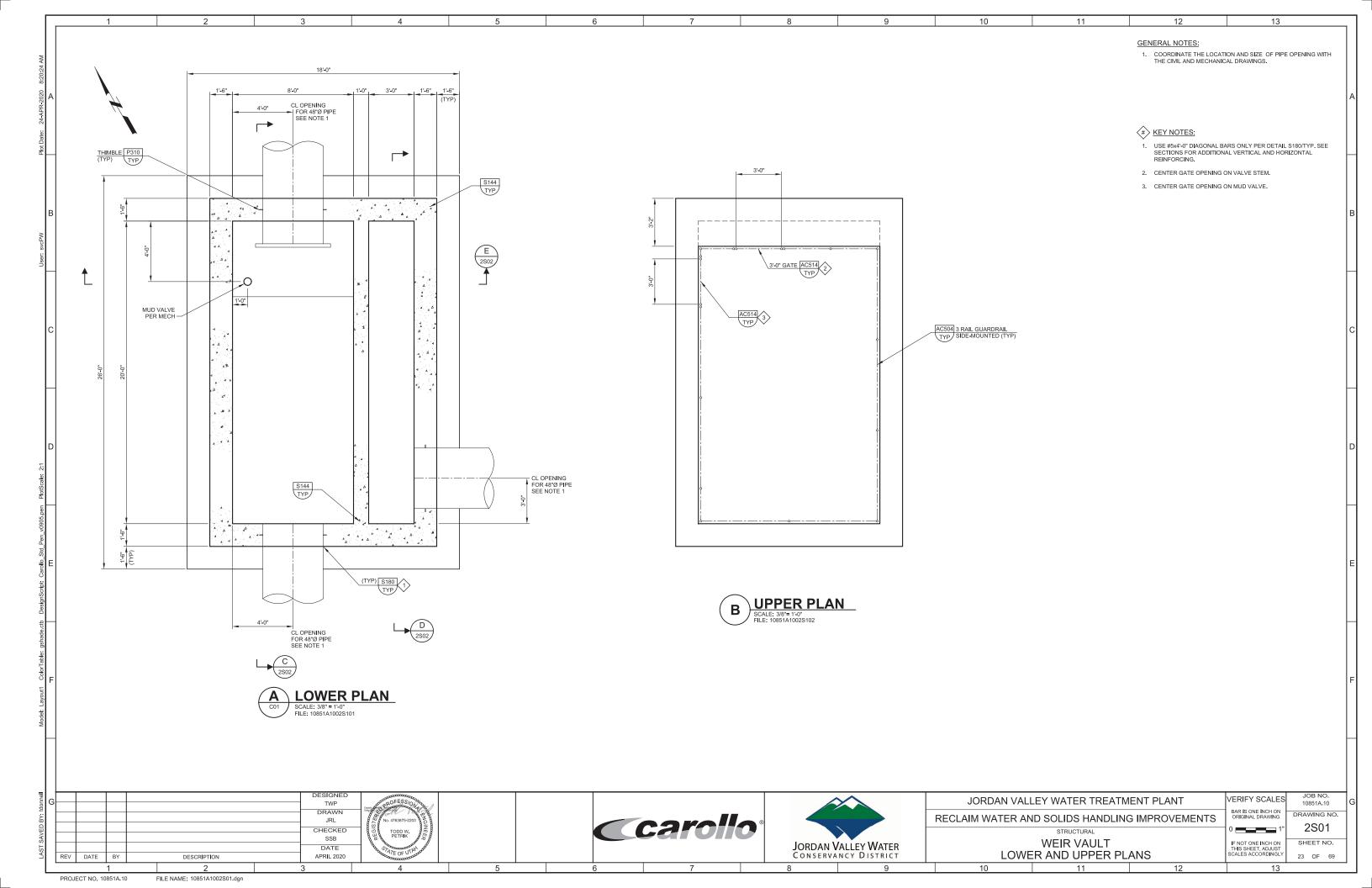


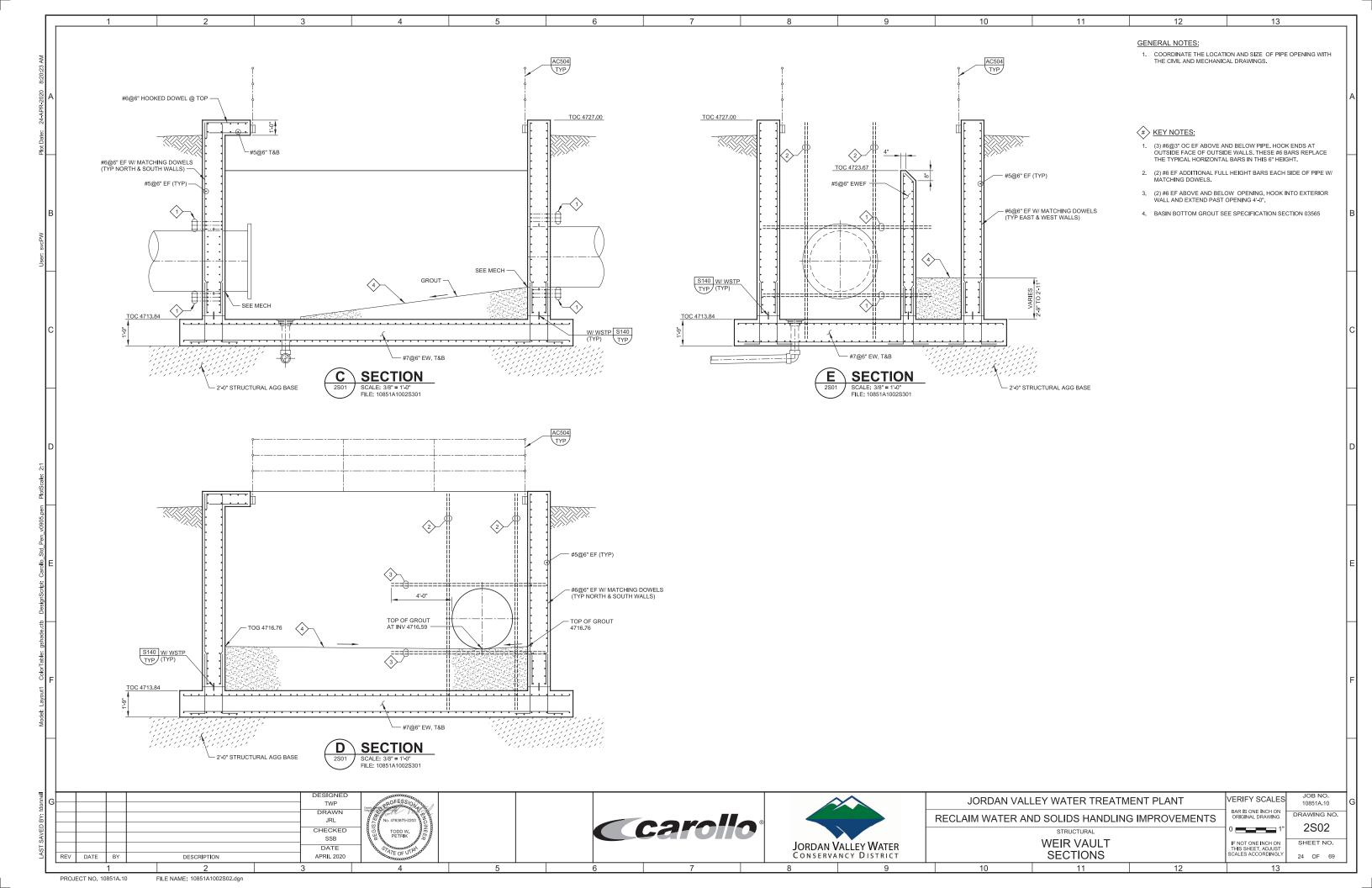


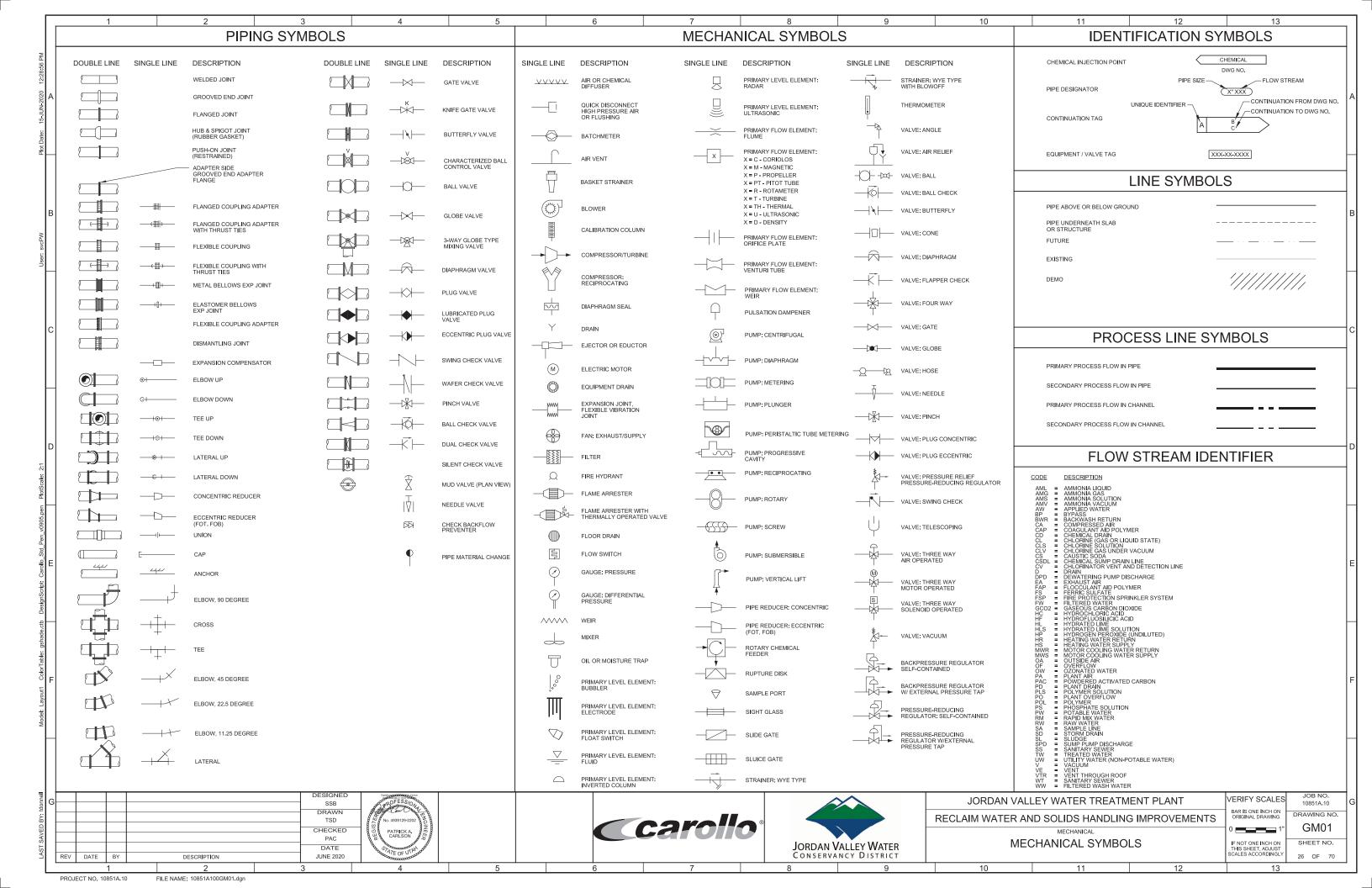


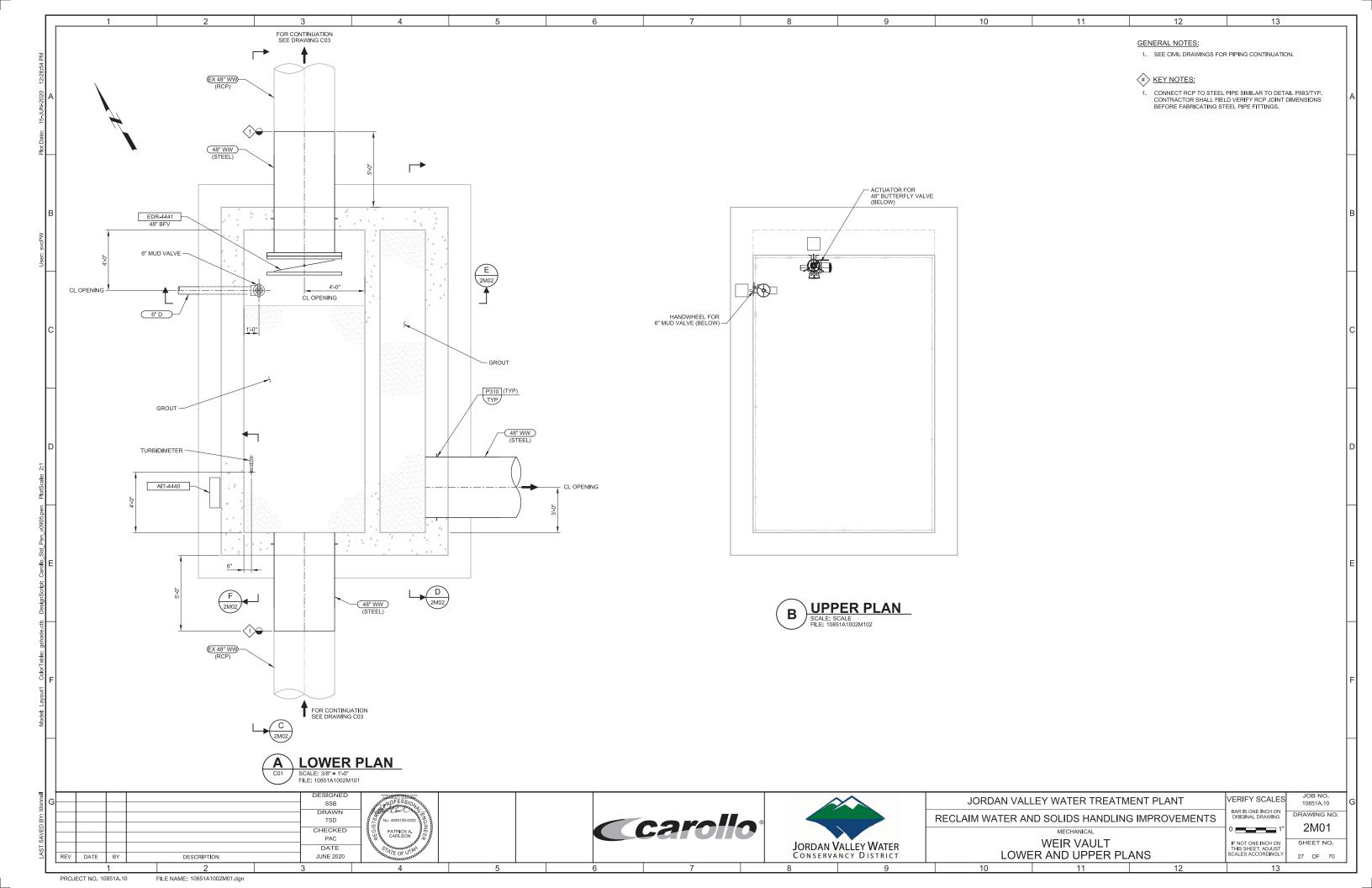


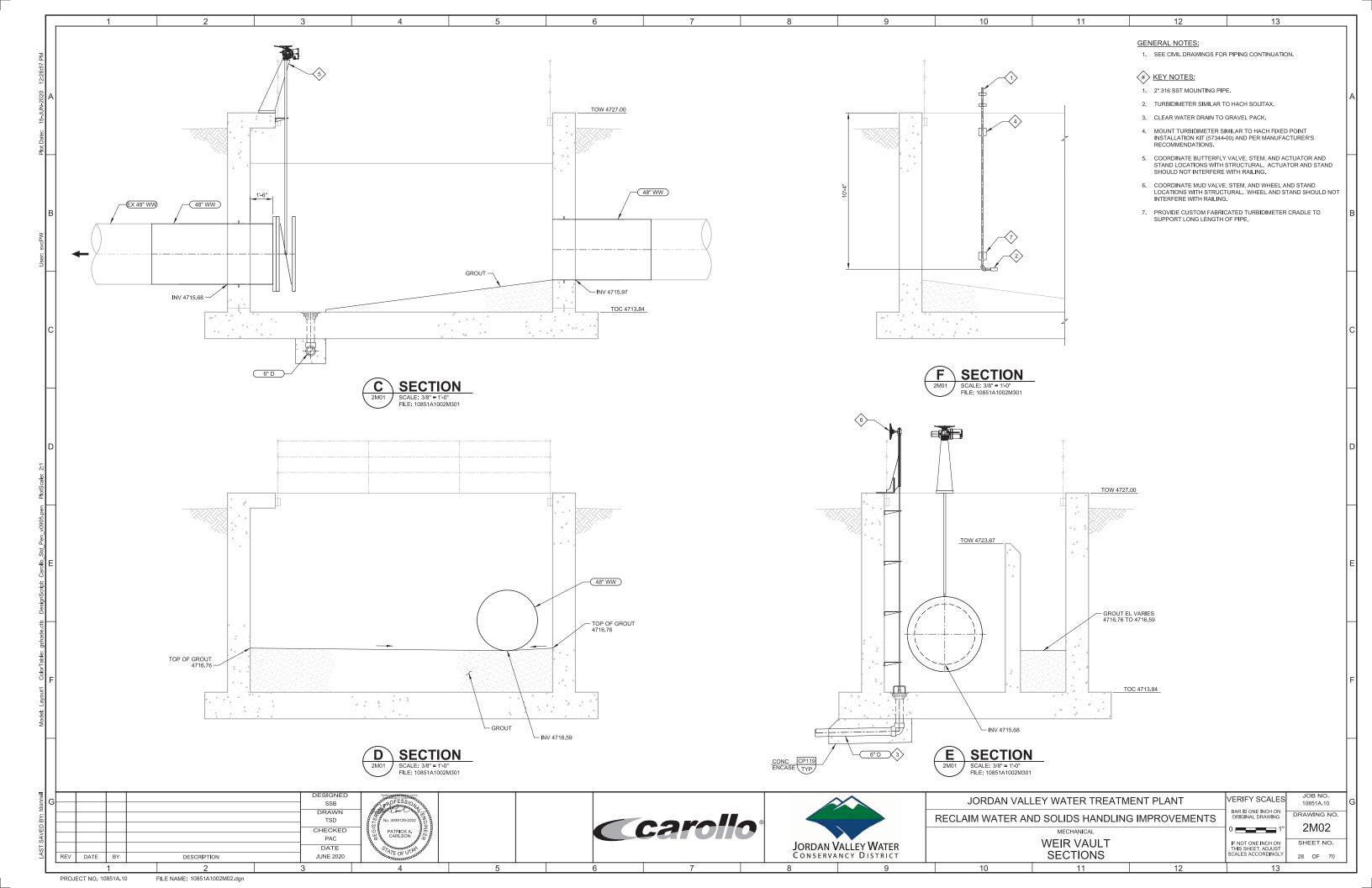
_							_
[_	1 2 3	4 5	6 7 8	9 10 11	12 13]
	-	GENERAL NOTES:	GEOTECHNICAL REPORT / FOUNDATION DESIGN CRITERIA:		METAL FABRICATIONS:	STRUCTURAL SYMBOLS:	
	'	USE STRUCTURAL DRAWINGS IN CONJUNCTION WITH PROJECT DRAWINGS BY OTHER DISCIPLINES AND WITH THE SPECIFICATIONS.	1. GEOTECHNICAL INVESTIGATION REPORT:	CONFORM TO THE FOLLOWING REQUIREMENTS UNLESS OTHERWISE INDICATED ON THE DRAWINGS.	1. HANDRAILS AND GUARDRAILS:	SEE DRAWING G03 FOR KEY TO DRAWING TITLES AND SECTION CUTS, AND FOR DEFINITION OF MATERIALS SHADING PATTERNS.	
24 AN	2	2. UNLESS DETAILED, SPECIFIED, OR INDICATED OTHERWISE, CONSTRUCTION SHALL BE AS	TITLE: TECHNICAL MEMORANDUM: JORDAN VALLEY WATER TREATMENT PLANT UPGRADES PREPARED BY: GERBER & COLE	EXCAVATION AND BACKFILLING:	A. ALUMINUM, EXCEPT WHERE OTHER MATERIALS ARE NOTED.	2. WELDING: SYMBOLS: IN ACCORDANCE WITH AMERICAN WELDING SOCIETY	
3:20:2		INDICATED IN THE GENERAL NOTES AND TYPICAL DETAILS.	JOB NO: 19-1225 DATED: FEBRUARY 26, 2020	EXPOSE AND PREPARE SUBGRADE AS SHOWN ON THE DRAWINGS AND SPECIFIED. OBTAIN ENGINEER'S OBSERVATION OF SUBGRADE SURFACES. AS EXPOSED AND AS		(AWS) A2.4.	
20	Δ,	PRESENTATION CONVENTIONS FOR STRUCTURAL DRAWINGS: A. SCREENED LINE WORK INDICATES EXISTING CONDITIONS.	FOUNDATION DESIGNS ARE BASED ON RECOMMENDATIONS IN THE GEOTECHNICAL INVESTIGATION REPORT.	PREPARED, BEFORE PROCEEDING WITH FOUNDATION CONSTRUCTION.		STRUCTURAL ABBREVIATIONS:	
PR-20		B. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED SIZES. C. PLANS ARE TREATED AS HORIZONTAL SECTIONS, (I.E., "PLAN AT ELEVATION 110"	A, NET ALLOWABLE BEARING PRESSURE: 5,000 PSF	DO NOT PLACE BACKFILL AGAINST WALLS UNTIL STRUCTURES SUPPORTING THE TOP OF THE WALL ARE IN PLACE, ARE COMPLETE, AND (IN THE CASE OF CONCRETE) HAVE	SPECIAL INSPECTION:	SEE DRAWING G04 FOR GENERAL LIST OF ABBREVIATIONS USED ON DRAWINGS.	1
24-AF		SHOWS CONSTRUCTION AT AND BELOW ELEVATION 110.)	B. FROST DEPTH: 30 INCHES	CURED TO THEIR MINIMUM SPECIFIED 28-DAY COMPRESSIVE STRENGTH.	SPECIAL INSPECTION IS REQUIRED FOR THE FOLLOWING STRUCTURAL MATERIALS AND CONSTRUCTION. SEE SPECIFICATION SECTION 01455 FOR DETAILS.	ABBREVIATIONS FOR NAMES OF TECHNICAL GROUPS MAY BE FOUND IN THE	
.: E	4	VERIFY DIMENSIONS AND CONDITIONS BEFORE BEGINNING WORK. ADVISE ENGINEER IMMEDIATELY OF DISCREPANCIES BETWEEN EXISTING CONDITIONS AND	C. LATERAL EARTH PRESSURE (UNO):	WHERE BACKFILL MUST BE PLACED AGAINST WALLS BEFORE STRUCTURES ABOVE ARE COMPLETE, PROVIDE BRACING FOR WALLS. KEEP BRACING IN PLACE UNTIL THE	DIVISION 2 SITE CONSTRUCTION (EARTHWORK)	PROJECT SPECIFICATIONS.	
ot Da		DIMENSIONS, AND INFORMATION SHOWN ON THESE DRAWINGS. CONFIRM THE FOLLOWING BEFORE PREPARATION AND SUBMITTAL OF SHOP DRAWINGS:	SURCHARGE: EQUIVALENT TO 2 FÉET OF SOIL ABOVE FINISHED GRADE. STATIC SEISMIC	STRUCTURE ABOVE IS COMPLETE AND (IN THE CASE OF CONCRETE) HAS CURED TO ITS MINIMUM SPECIFIED 28-DAY COMPRESSIVE STRENGTH.	A. EXCAVATION DEPTH.	3. STRUCTURAL MEMBERS:	
4	\dashv	A. DIMENSIONS AND WEIGHTS FOR EQUIPMENT SELECTED.	ACTIVE (PSF/FT): 39.0 16.0 AT REST (PSF/FT): 53.0 41.0	CONCRETE:	B. ADEQUACY OF EXPOSED SURFACE TO PROVIDE REQUIRED SUPPORT. C. PREPARATION OF SOILS/SURFACES SUPPORTING CONSTRUCTION.	A. STEEL: ABBREVIATIONS AND DESIGNATIONS ARE IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION'S STEEL CONSTRUCTION	1
		B. SIZES AND LOCATIONS OF EQUIPMENT PADS FOR EQUIPMENT SELECTED.	PASSIVE (PSF/FT): 50 NA SLIDING COEFFICIENT OF FRICTION: 0.50 NA	SEE S101/TYP FOR CONCRETE NOTES, INCLUDING CLEAR COVER AND LAP SPLICE SEE S101/TYP FOR CONCRETE NOTES, INCLUDING CLEAR COVER AND LAP SPLICE SEE S101/TYP FOR CONCRETE NOTES, INCLUDING CLEAR COVER AND LAP SPLICE	D. FILL AND BACKFILL.	MANUAL, CURRENT EDITION.	
		5. TYPICAL DETAILS ARE INCLUDED ON THE "TS" DRAWINGS.	D. GROUNDWATER EL	LENGTH REQUIREMENTS FOR REINFORCING. 2. SUBMIT LOCATIONS OF CONSTRUCTION JOINTS NOT SHOWN ON THE DRAWINGS FOR	3. DIVISION 3 CONCRETE:	B. ALUMINUM: ABBREVIATIONS AND DESIGNATIONS ARE IN ACCORDANCE WITH THE ALUMINUM ASSOCIATION'S ALUMINUM DESIGN MANUAL, CURRENT EDITION.	
		A. TYPICAL DETAILS ARE INTENDED TO APPLY AT LOCATIONS DESCRIBED BY THEIR TITLES, EVEN WHEN NOT SPECIFICALLY REFERENCED ON THE DRAWINGS. B. IN STRUCTURAL TYPICAL DETAILS, ORIENTATION OF BARS IN EACH MAT OF	TYPICAL STRUCTURAL MATERIALS:	ACCEPTANCE BY THE ENGINEER BEFORE FORM LAYOUT.	A. LOCATIONS.	4. ABBREVIATIONS FOR STRUCTURAL DRAWINGS:	
	В	REINFORCEMENT (WHETHER "LINES" OR "DOTS" ARE CLOSER TO THE FACE OF THE CONCRETE) IS GENERALLY ARBITRARY, SEE DRAWINGS OF EACH STRUCTURE FOR	MATERIALS SHALL CONFORM TO THE FOLLOWING REQUIREMENTS UNLESS OTHERWISE INDICATED ON THE DRAWINGS.	PROVIDE CHAMFER AT EXPOSED EDGES OF CAST-IN-PLACE CONCRETE. SEE SPECIFICATION 03102 FOR CHAMFERS.	B. FORMWORK AND MEMBER SIZES. C. REINFORCING STEEL. D. ANCHORS: CAST-IN AND POST-INSTALLED.	WHEN USED ON THE STRUCTURAL DRAWINGS, THE FOLLOWING ABBREVIATIONS HAVE THE MEANINGS LISTED.	3
		ORIENTATION REQUIRED AT THAT STRUCTURE.	2. SEE PROJECT SPECIFICATIONS AND NOTES ON DRAWINGS OF SPECIFIC STRUCTURES	4. PROVIDE REINFORCING:	D. ANCHORS: CASI-IN AND PUSI-INSTALLED. E. CONCRETE MIX AND PLACEMENT. F. PROTECTION AND CURING PROCEDURES.	REINFORCEMENT: OTHER:	
vcPW		6. SEE CIVIL DRAWINGS FOR STRUCTURE COORDINATES. POINTS ON THE STRUCTURES TO WHICH SITE COORDINATES REFER ARE SHOWN ON THE STRUCTURAL PLANS.	FOR DETAILED AND LOCATION-SPECIFIC REQUIREMENTS. REINFORCING STEEL (FOR CONCRETE AND MASONRY):	A. AT CORNERS AND JUNCTIONS - AS INDICATED IN \$144/TYP, SUPPLEMENT WITH	5. DIVISION 5 METALS	BO BOTTOM OF L ANGLE EF EACH FACE PL PLATE	
er: s	١,	7. DRAWINGS PREPARED BY OTHER DISCIPLINES INCLUDE OPENINGS, ANCHORS, PIPES,	1. DEFORMED BARS:	ADDED BARS WHERE INDICATED ON THE DRAWINGS. B. AT OPENINGS - AS INDICATED IN \$180/TYP.	A. GENERAL ALL METALS:	I.F. INSIDE FACE O.F. OUTSIDE FACE	
ຶ້	Ц Т	CONDUITS, AND OTHER ITEMS THAT ARE EMBEDDED INTO OR PASS THROUGH STRUCTURES.	A, TYPICAL; ASTM A 615, GRADE 60. B. WHERE INDICATED ON THE DRAWINGS: ASTM A 706.	5. WELDING OF REINFORCING IS NOT PERMITTED UNLESS DETAILED ON THE	MEMBER LOCATIONS. MEMBER SIZES/TYPES.	T.O. TOP OF # NUMBER (REINFORCING	1
		A. CONFIRM SIZE AND LOCATIONS OF OPENINGS, PENETRATIONS AND EMBEDMENT FOR	2. WELDED WIRE FABRIC: ASTM A 185.	DRAWINGS OR ACCEPTED IN ADVANCE BY THE ENGINEER.	3) ANCHORS - CAST-IN AND BUILT-IN ANCHOR BOLTS. 4) ANCHORS - POST-INSTALLED MECHANICAL AND ADHESIVE.	BAR SIZE)	1
		ITEMS AND EQUIPMENT FURNISHED. B. IN GENERAL, OPENINGS, EMBEDMENTS, AND PENETRATIONS LESS THAN 12 INCHES IN		MAINTAIN MINIMUM 3 INCHES CLEAR CONCRETE COVER BETWEEN REINFORCING AND EMBEDMENTS.	B. STRUCTURAL STEEL (CARBON AND STAINLESS).		
		DIAMETER ARE NOT SHOWN ON THE STRUCTURAL DRAWINGS. C. SEE MECHANICAL DRAWINGS FOR DETAILS OF PIPE PENETRATIONS, PIPE SUPPORTS, AND ASSOCIATED STRUCTURAL REQUIREMENTS.	CONCRETE:	7. FINISH CONCRETE AS SPECIFIED IN SECTION 03366.	HIGH-STRENGTH BOLTING. WELDING.	DEFERRED DESIGN SUBMITTALS	
		AND ASSOCIATED STRUCTURAL REQUIREMENTS. D. SEE MECHANICAL DRAWINGS FOR EQUIPMENT PADS AND PIPE SUPPORTS.	1. NORMAL DENSITY.	8. CONCRETE PADS	C. STRUCTURAL ALUMINUM.	AS DEFINED IN THE BUILDING CODE, DEFERRED DESIGN SUBMITTALS ARE PORTIONS OF THE DESIGN THAT ARE NOT SUBMITTED AT THE TIME OF PERMIT APPLICATION, AND	
	$^{\prime}$		MINIMUM SPECIFIED CONCRETE COMPRESSIVE STRENGTH, fc (AT 28 DAYS UNO). A. STRUCTURES: "CLASS A"OR "CLASS B" fc = 4500 PSI.	A. C EQUIPMENT PAD SEE \$302/TYP.	1) BOLTING. 2) WELDING.	THAT ARE TO BE REVIEWED BY THE REGISTERED DESIGN PROFESSIONAL AND SUBSEQUENTLY SUBMITTED TO THE BUILDING OFFICIAL.	1
			A. STRUCTURES: CLASS A'OR CLASS B' TC = 4500 PSI. B. FILL AND THRUST BLOCKS: "CLASS C" Fc = 2500 PSI. C. PIPE ENCASEMENT: "CLASS C" Fc = 2500 PSI.	B. O HOUSEKEEPING PAD FOR ELECTRICAL EQUIPMENT SEE \$350/TYP.		DEFERRED DESIGN SUBMITTALS FOR THIS PROJECT INCLUDE:	1
	1 3	STRUCTURAL DESIGN CRITERIA - GENERAL:	D. ELECTRICAL DUCT ENCASEMENT: "CLASS CE" fc = 2500 PSI.	STEEL, STAINLESS STEEL, AND ALUMINUM - CONNECTIONS:		DIVISION 2 SITE CONSTRUCTION (EARTHWORK).	
		SEE DRAWINGS OF INDIVIDUAL STRUCTURES FOR SPECIFIC DESIGN CRITERIA BASED ON THESE OVERALL CRITERIA FOR THE SITE.		1. BOLTED:		A. NONE	
ŀ	Η.	1. BUILDING CODE:		A. MADE USING 3/4-INCH DIAMETER BOLTS.		2. DIVISION 3 CONCRETE.	1
		A. 2018 INTERNATIONAL BUILDING CODE ("IBC 2018") WITH ASCE 7-16.	STRUCTURAL STEEL:	B. HAVING A MINIMUM OF 2 BOLTS, SPACED NOT CLOSER THAN 3 INCHES ON CENTER. C. WITH A DISTANCE OF AT LEAST 1 1/2 INCHES FROM CENTER OF BOLT TO ANY		A. NONE	
		a otherture block category. III	1. SECTIONS	EDGE OF A PLATE OR STRUCTURAL ELEMENT.		3. DIVISION 4 MASONRY.	
		2. STRUCTURE RISK CATEGORY: III	A. SHAPES W, WT: ASTM A 992 (Fy = 50 KSI) B. SHAPES S, ST, M, MT, HP, C, MC, L: ASTM A 36 (Fy = 36 KSI)	2. WELDED:		A. NONE	
	DI	DEAD LOADS: CALCULATED FOR STRUCTURE SELF-WEIGHT. LIVE LOADS: (REDUCTIONS NOT USED)	C. PLATES AND BARS: ASTM A 36 (Fy = 36 KSI) D. PIPES: ASTM A 53, GRADE B (Fy = 35 KSI) E. HOLLOW STRUCTURAL SECTIONS:	A. FILLET WELDS: PER AWS CODE BASED ON THE THICKNESS OF THE MATERIALS BEING JOINED, AND FULL LENGTH OF THE JOINT.		4. DIVISION 5 METALS.)
-	Ι.	A. FLOOR LIVE LOAD: 100 PSF (UNO).	ROUND: ASTM A 500, GRADE B (Fy = 42 KSI) SQUARE AND RECTANGULAR; ASTM A 500, GRADE B (Fy = 46 KSI)	3. INTERFACE BETWEEN MATERIALS:		A. 05500 HANDRAILS AND GUARDRAILS	
<u>le:</u>		B. GRATING AND CHECKERED PLATE: 100 PSF (UNO).	2. CONNECTIONS:	A. AT BOLTED CONNECTIONS THAT INCLUDE DIFFERENT METALS (E.G.: STEEL		5. DIVISION 6 WOOD AND PLASTICS.	
otSca		5. <u>FLUID PRESSURE LOADS</u> : 63 PSF/FT (UNO).	A. BOLTS - STEEL TO-STEEL:	AND STAINLESS STEEL, OR ALUMINUM AND STAINLESS STEEL) PROVIDE ISOLATING SLEEVES AND WASHERS AS SPECIFIED IN SECTION 05190.		A. NONE	
<u>-</u>	•	6. SNOW LOAD DATA:	ASTM A 325 HIGH-STRENGTH BOLTS, WITH LOAD INDICATOR WASHERS. B. BOLTS - STEEL TO CONCRETE OR MASONRY:	B. WHERE ALUMINUM IS IN CONTACT WITH MASONRY OR CONCRETE, COAT ALUMINUM SURFACES AS SPECIFIED IN SECTION 09960.		6. DIVISION 13 SPECIAL CONSTRUCTION.	1
05.pe		 A. GROUND SNOW LOAD, Pg = 43.0 PSF. B. SNOW EXPOSURE FACTOR, Ce = 0.9. 	ANCHOR BOLTS WITH HEX FORGED HEAD. ASTM A193, STAINLESS TYPE 316 (304)	4. POST-INSTALLED ANCHORS IN CONCRETE AND MASONRY:		A. NONE	
60^	Ι.	C. FLAT ROOF SNOW LOAD: 30.0 PSF (MINIMUM).	ASTM F 1554, GRADE 36 GALVANIZED. C. WELDS - SHIELDED METAL ARC PROCESS USING E70-XX ELECTRODES.	A. INSTALL IN FULL COMPLIANCE WITH ACCEPTED BUILDING CODE EVALUATION REPORT AND MANUFACTURER'S INSTRUCTIONS,		7. LIFTING EYES: SUBMIT DETAILS WITH CALCULATIONS DEMONSTRATING THE SPECIFIED LOAD CAPACITY TO ENGINEER, DELIVER REMOVABLE EYES TO	
i Pen	'	WIND DESIGN DATA: A. SPECIAL WIND REGION: NO	STAINLESS STEEL:	B. DO NOT CUT, DAMAGE, OR INTERRIPT EXISTING REINFORCEMENT TO INSTALL ANCHORS. USE NON-DESTRUCTIVE TESTING EQUIPMENT TO IDENTIFY		OWNER AFTER INSTALLATION OF REMOVABLE PANELS.	
lo Stc	_	A. SPECIAL WIND REGION: NO B. WIND-BORNE DEBRIS REGION: NO C. BASIC WIND SPEED (3 SEC GUST, 33 FEET ABOVE GROUND): 109 MPH.	1. ANSI TYPE 316/316L EXCEPT WHERE TYPE 304/304L IS INDICATED ON THE DRAWINGS.	LOCATIONS OF REINFORCEMENT IN MEMBERS BEFORE DRILLING HOLES FOR ANCHORS.		-	<u>.</u>
Caroll	<u>-</u> ا ۔	EARTHQUAKE DESIGN DATA:	2. SECTIONS: SHAPES AND BARS: ASTM A 276.			-	1
ж htt		A. SITE CLASS: C. 0.2 SECOND *1.0 SECOND	BOLTED CONNECTIONS - BOLTS AND ANCHOR BOLTS: A. MATCH ALLOY OF THE STRUCTURAL MEMBERS CONNECTED.				
ignSc		B. MAPPED SPECTRAL RESPONSE ACCELERATIONS: Ss = 1.175 g S1 = 0.426 g C. SITE COEFFICIENTS: Fa = 1.2 Fv = 1.5	B. TYPE 316/316L: ASTM A 193, GRADE B8M, CLASS 1, HEAVY HEX. C. TYPE 304/304L; ASTM A 193, GRADE B8, CLASS 1, HEAVY HEX.				
Des		D. MAXIMUM CONSIDERED ACCELERATIONS:* Sms =1.41 g Sm1 = 0.639 g E. DESIGN SPECTRAL RESPONSE ACCELERATIONS:* Sds = 0.940 g Sd1 = 0.426 g	4. WELDED CONNECTIONS:				
e.ctb	Π,	(*5% DAMPED) 9. FLOOD LOADS:	A. TYPE 316L: E316L-15 ELECTRODES.			H	1
yshad	`	9. FLOOD LOADS: A. FLOOD HAZARD AREA: NO	B. TYPE 304L: E304L-15 ELECTRODES.				
iple: (STRUCTURAL ALUMINUM: 1. SECTIONS				
ylorTa			A. SHAPES: ASTM B 308, ALLOY 6061-T6.				
ة _	F 1	10. CONSTRUCTION LOADS: STRUCTURES HAVE BEEN DESIGNED FOR OPERATING LOADS ON COMPLETED	B. SHEET AND PLATE: ASTM B 209, ALLOY 6061-T6.				1
3yout/		FACILITIES. UNTIL CONSTRUCTION IS COMPLETE AND MEMBERS HAVE ACHIEVED THEIR DESIGN STRENGTH, PROTECT STRUCTURES AS REQUIRED BY SHORING,	2. BOLTED CONNECTIONS - BOLTS AND ANCHOR BOLTS:				1
# "		BRACING, AND BALANCING.	A. STAINLESS STEEL - TYPE 316, ASTM A 193, GRADE B8M, CLASS 1, HEAVY HEX.				
Mod			WELDED CONNECTIONS: A. GAS METAL ARC (MIG) OR GAS TUNGSTEN ARC (TIG) PROCESS USING FILLER				
	\dashv		A. GAS METAL ARC (MIG) OR GAS TUNGSTEN ARC (TIG) PROCESS USING FILLER ALLOY 4043 ELECTRODES.			\vdash	-
<u>=</u>	<u>_</u>	DE:	SIGNED SECONDARY		1000 AND VALLEY VALATED TO	REATMENT PLANT VERIFY SCALES JOB NO.	
tdonr	G		TWP RAWN		JORDAN VALLEY WATER TI	PAR IS ONE INCH ON	1
) BY:			JRL No. 4763875-2203	Carolla	RECLAIM WATER AND SOLIDS HA	NDLING IMPROVEMENTS ORIGINAL DRAWING DRAWING NO.	
AVE	\vdash	CH	SSB TODD W. PETRIK PETRIK	Ccarollo	STRUCTURAL	0 =1" GS01	
4ST S			DATE STATE OF THE	JORDAN V	ALLEY WATER GENERAL STRUCTU	THIS SHEET, ADJUST	
ے	LF	REV DATE BY DESCRIPTION AP 1 2 3	RIL 2020 4 5	6 7 8	NCY DISTRICT 9 10 11	SCALES ACCORDINGLY 22 OF 69 12 13	
L	F	PROJECT NO. 10851A.10 FILE NAME: 10851A100GS01.dgn	1 4 1 5	0 1 0	3 10 11	12 13	_

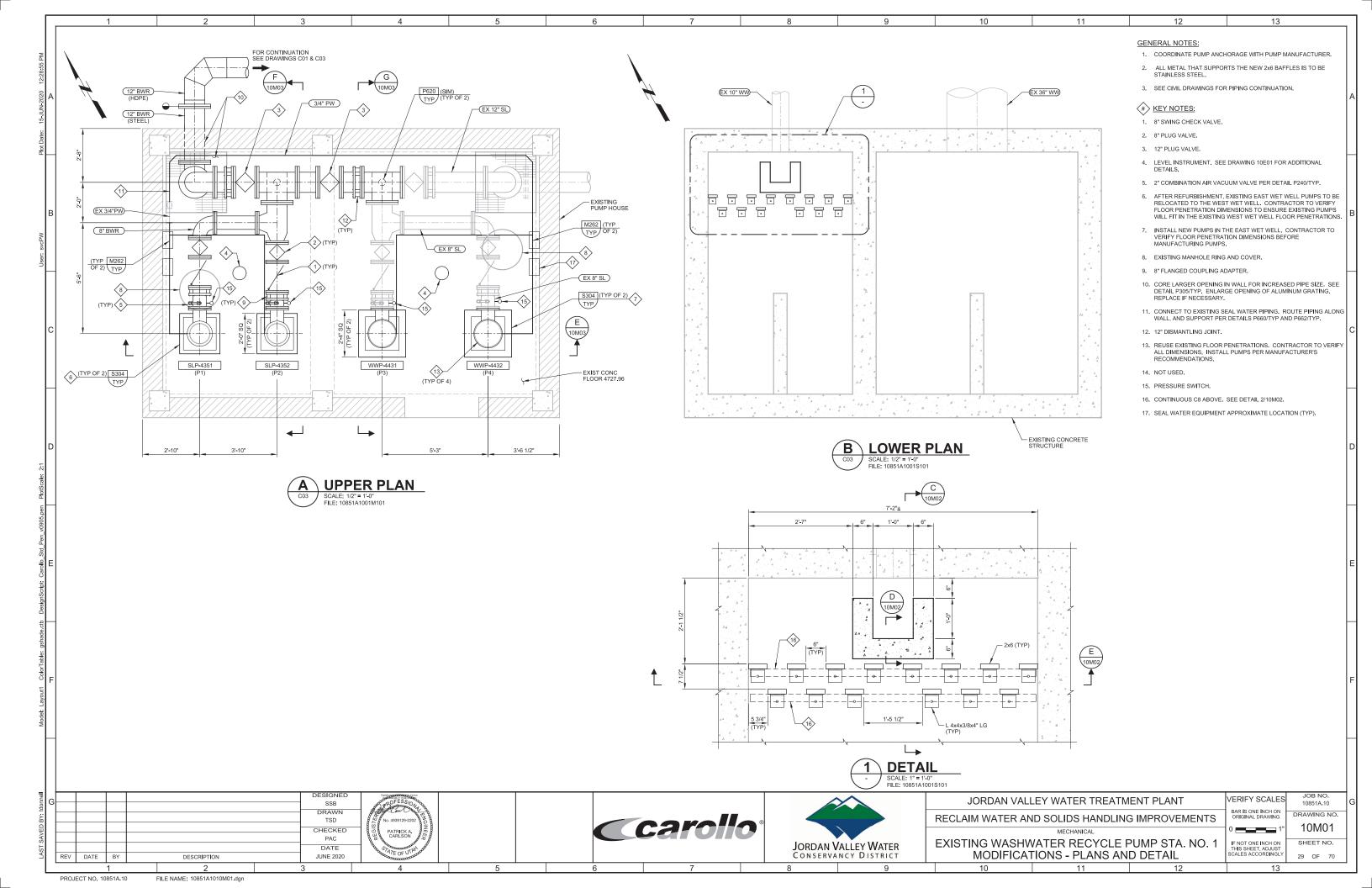


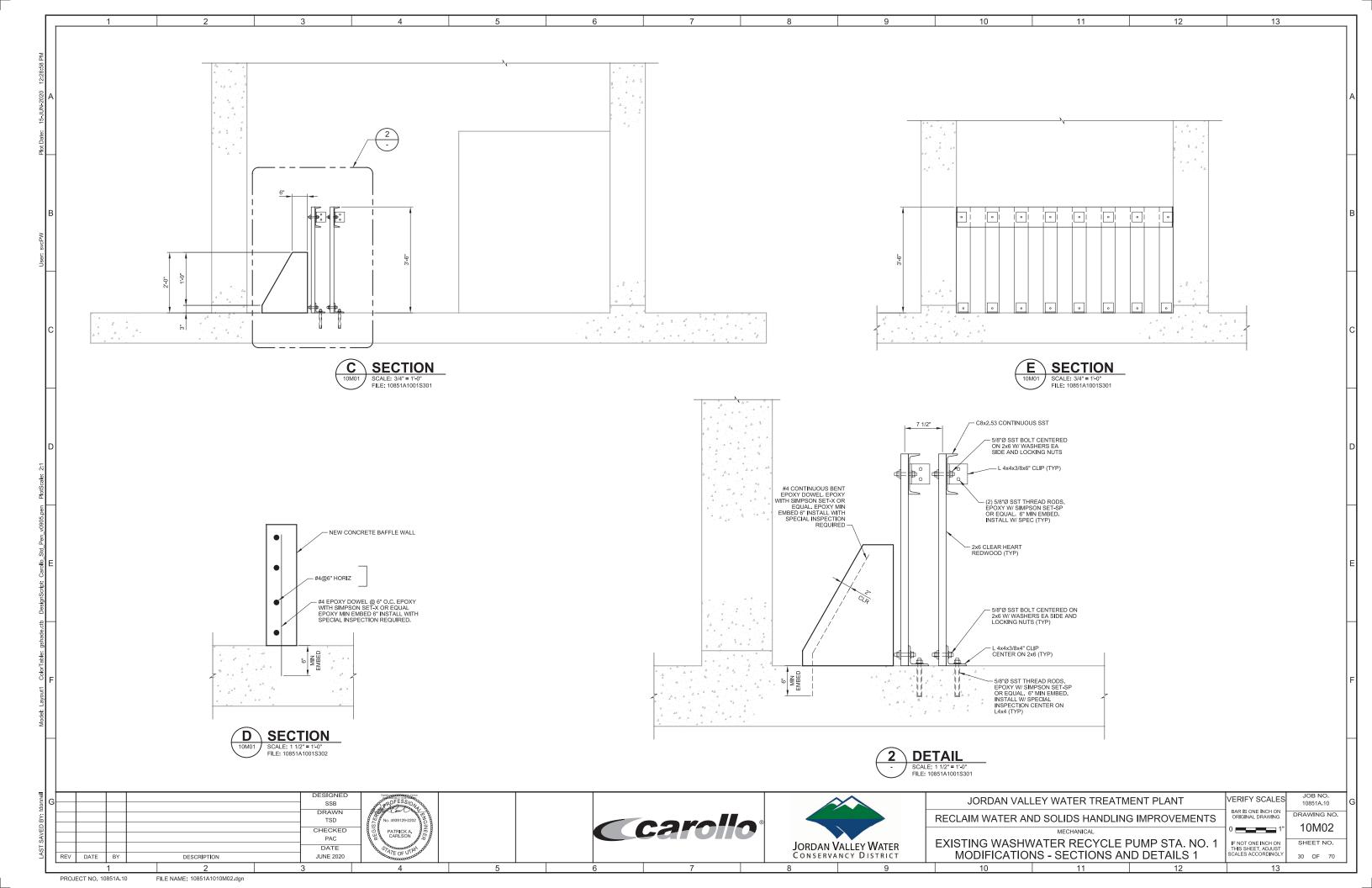


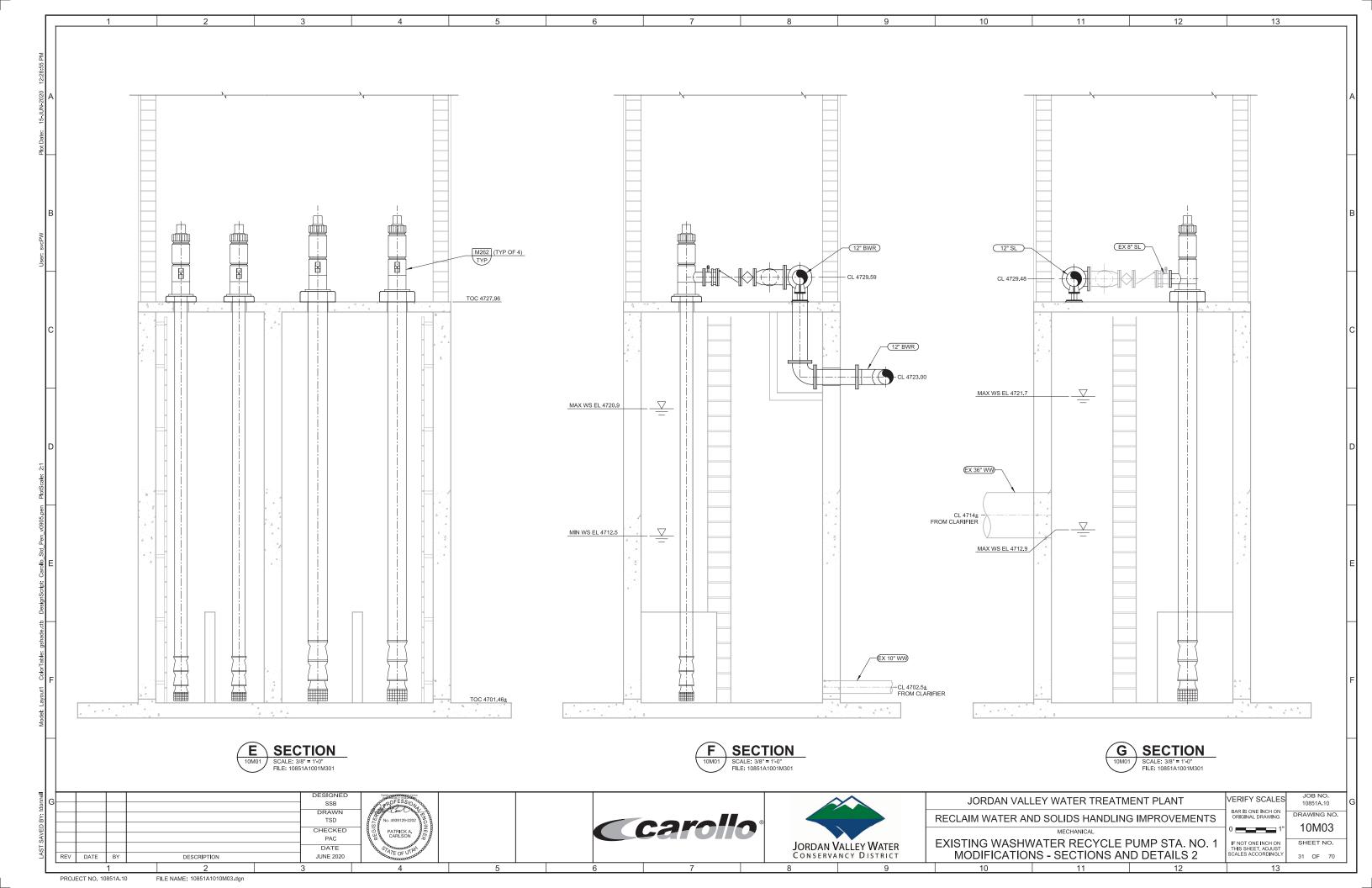


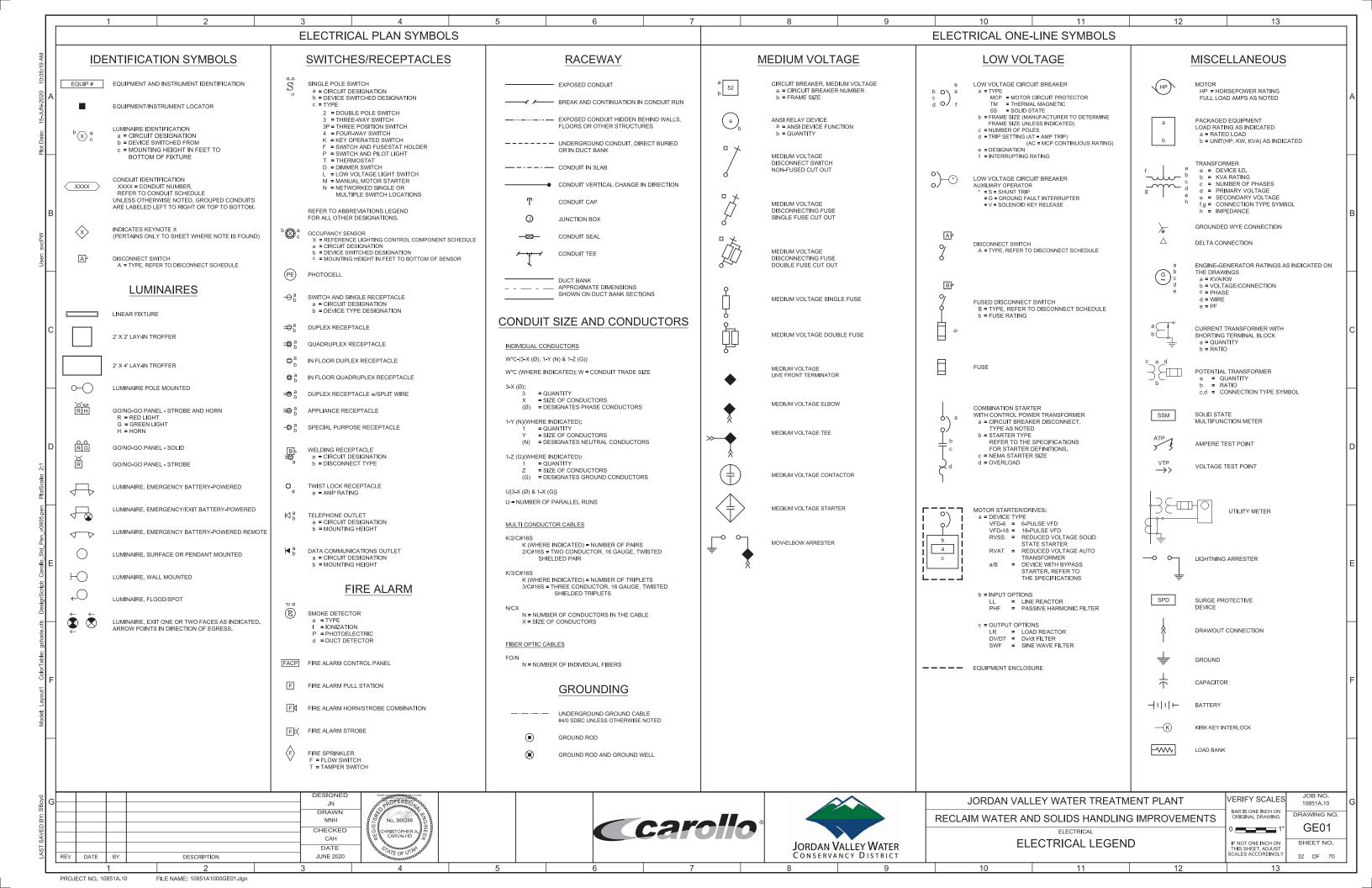


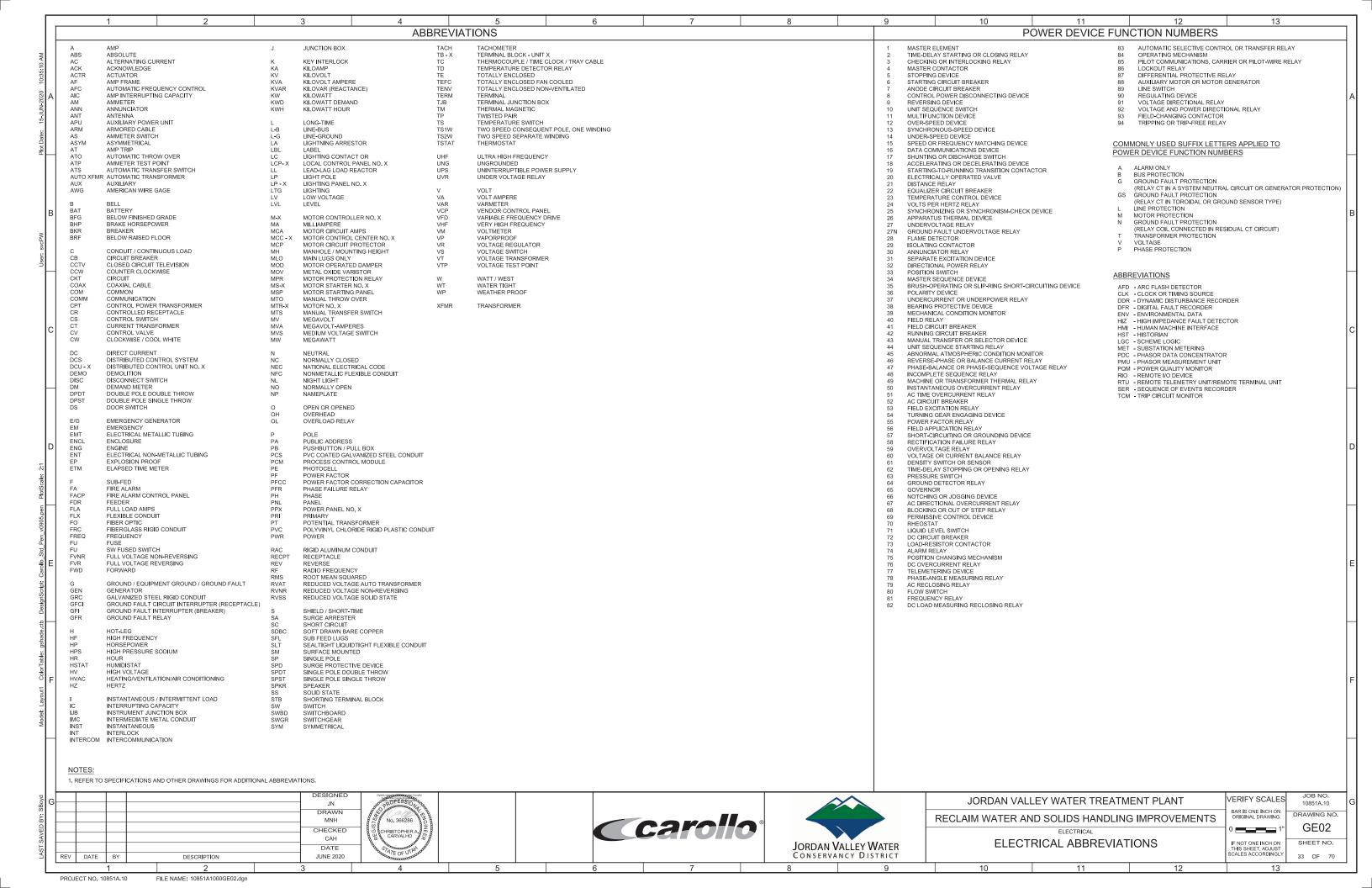


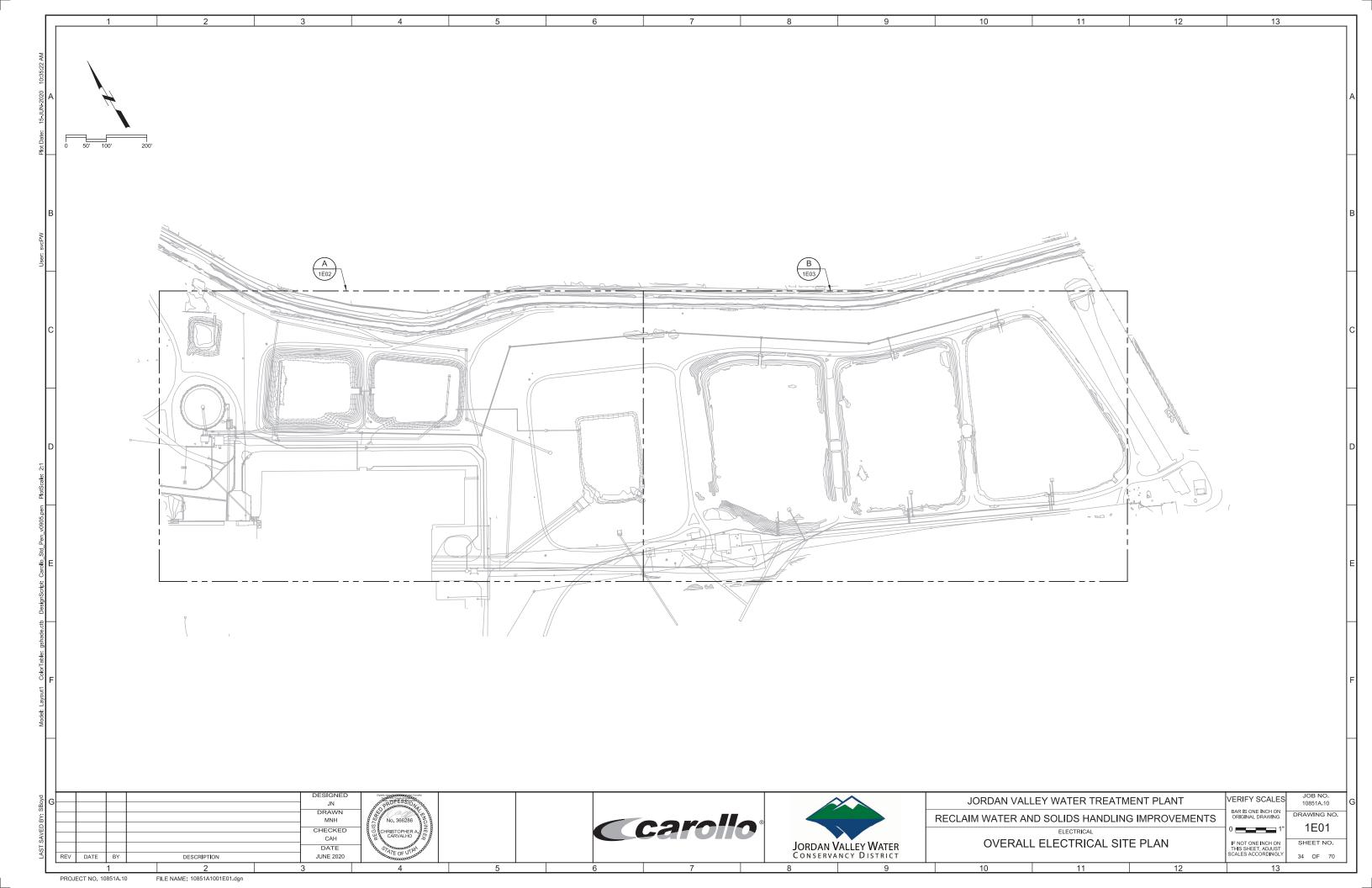


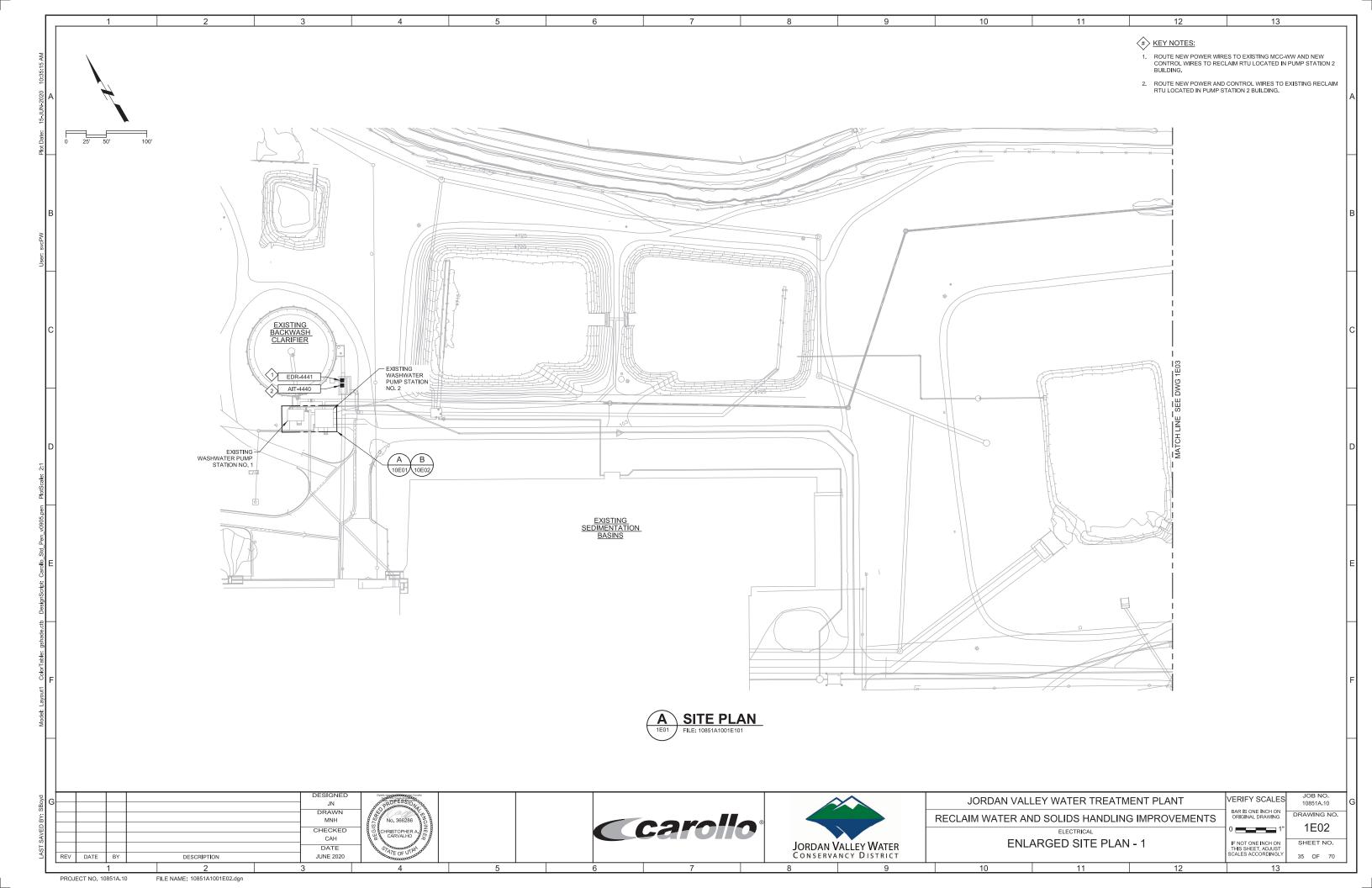


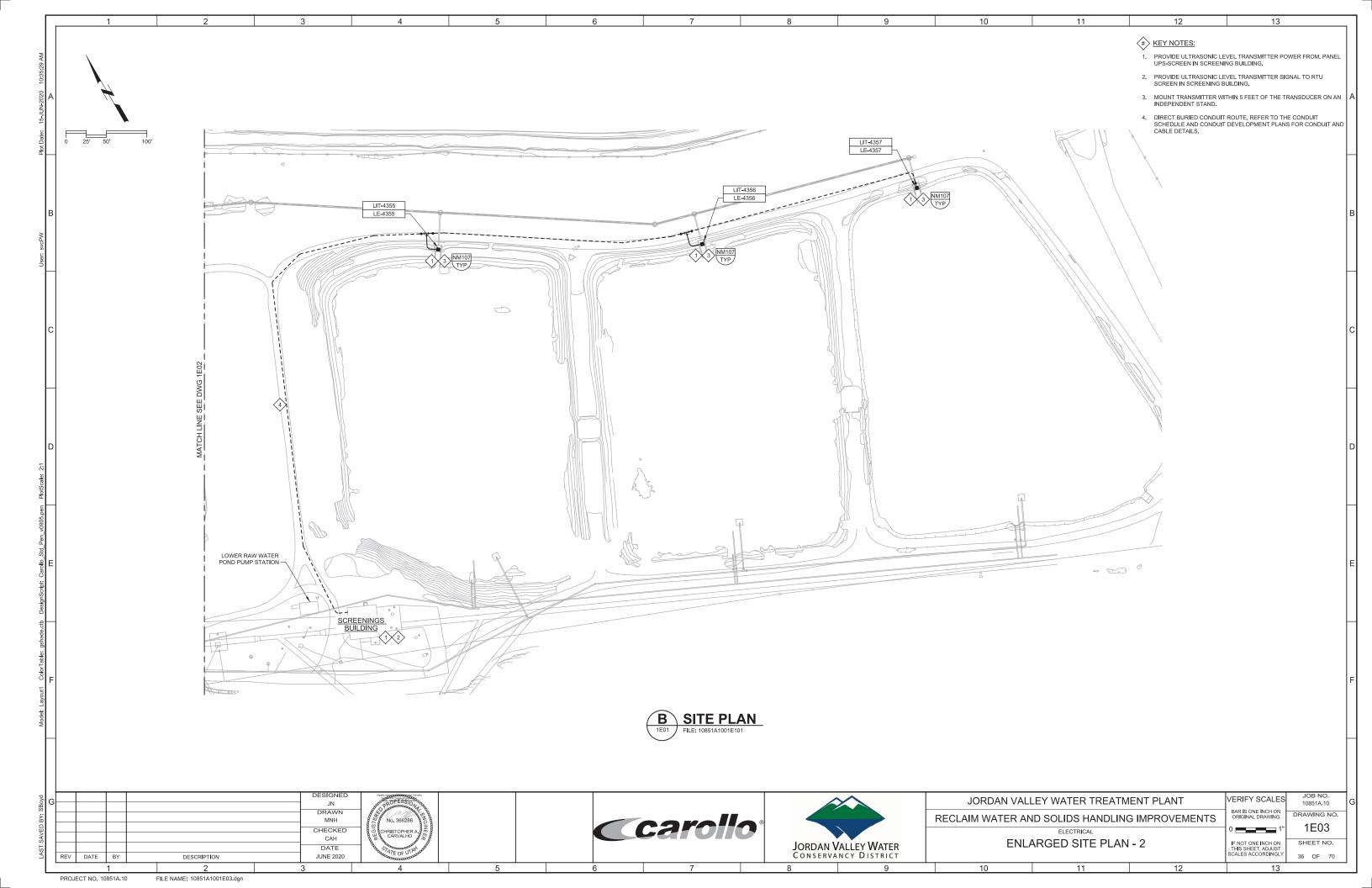


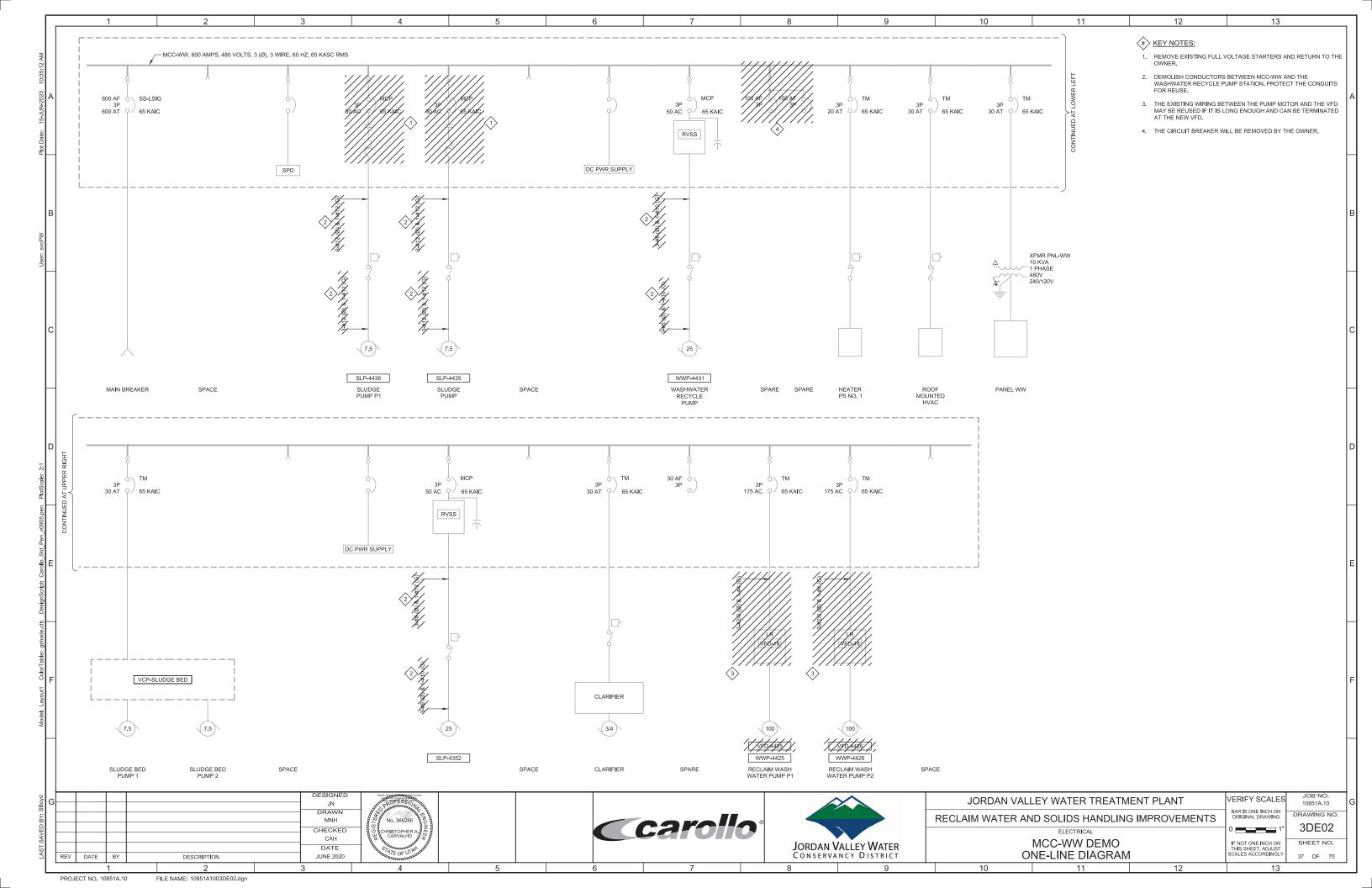


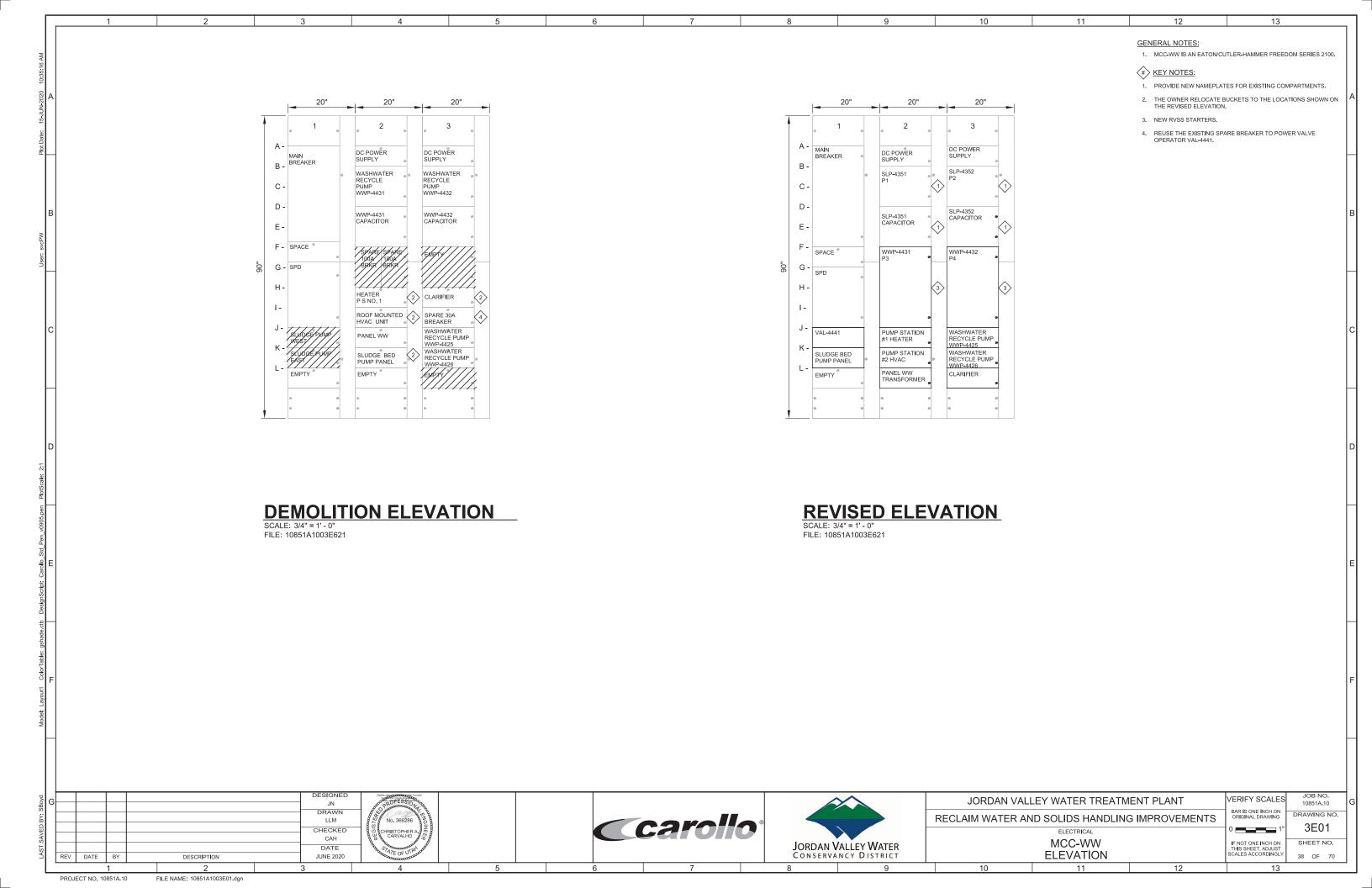


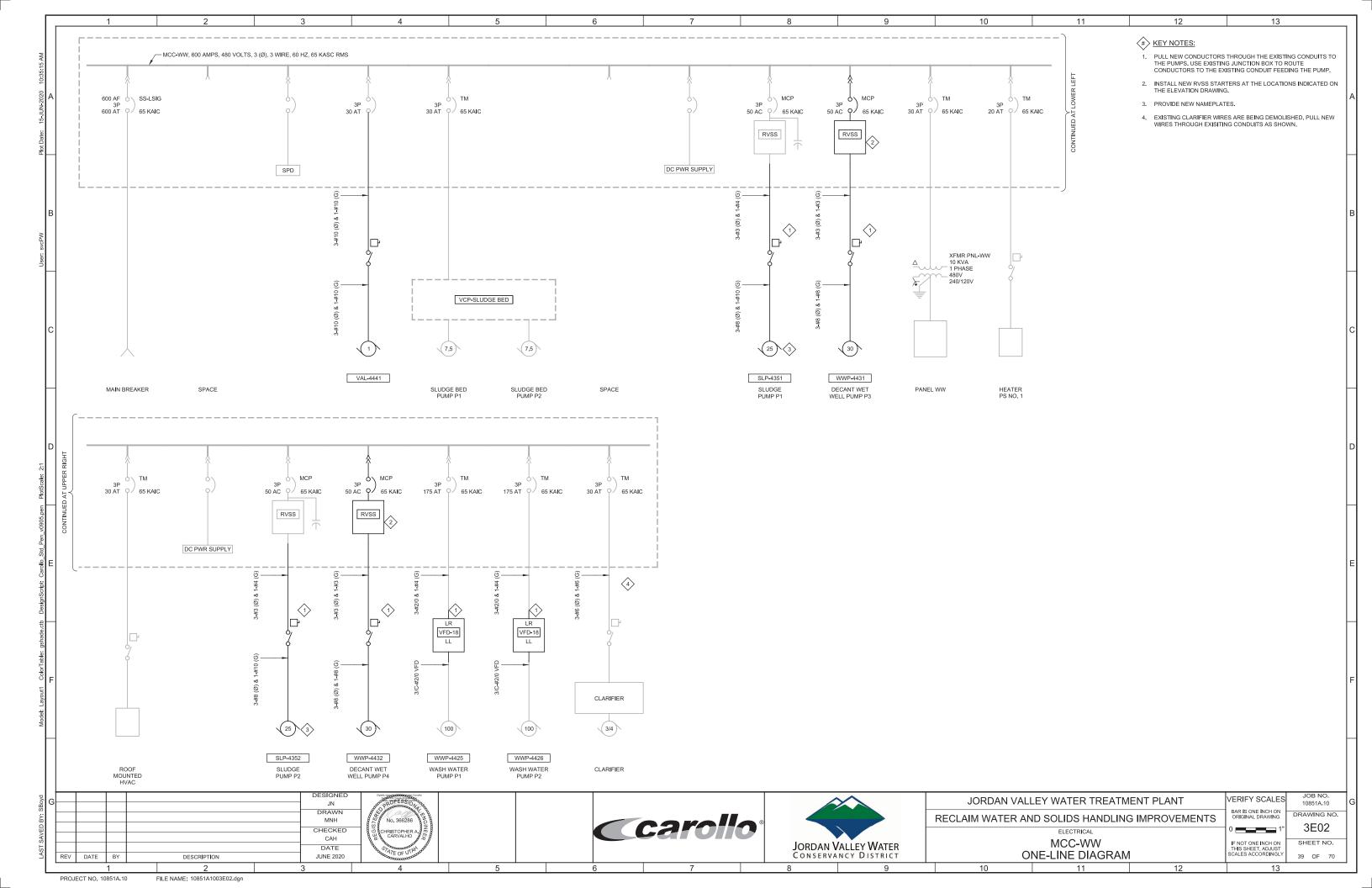


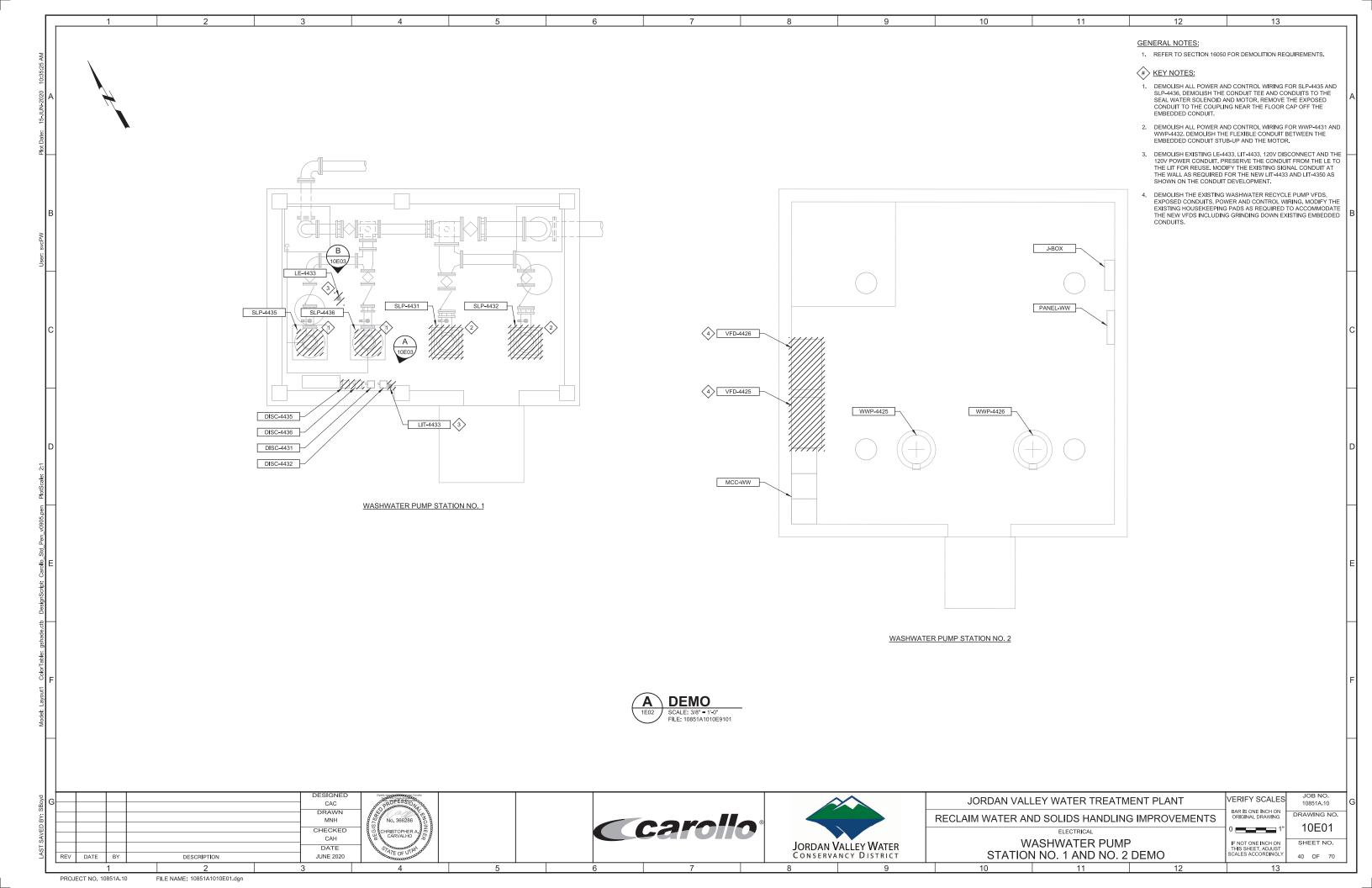


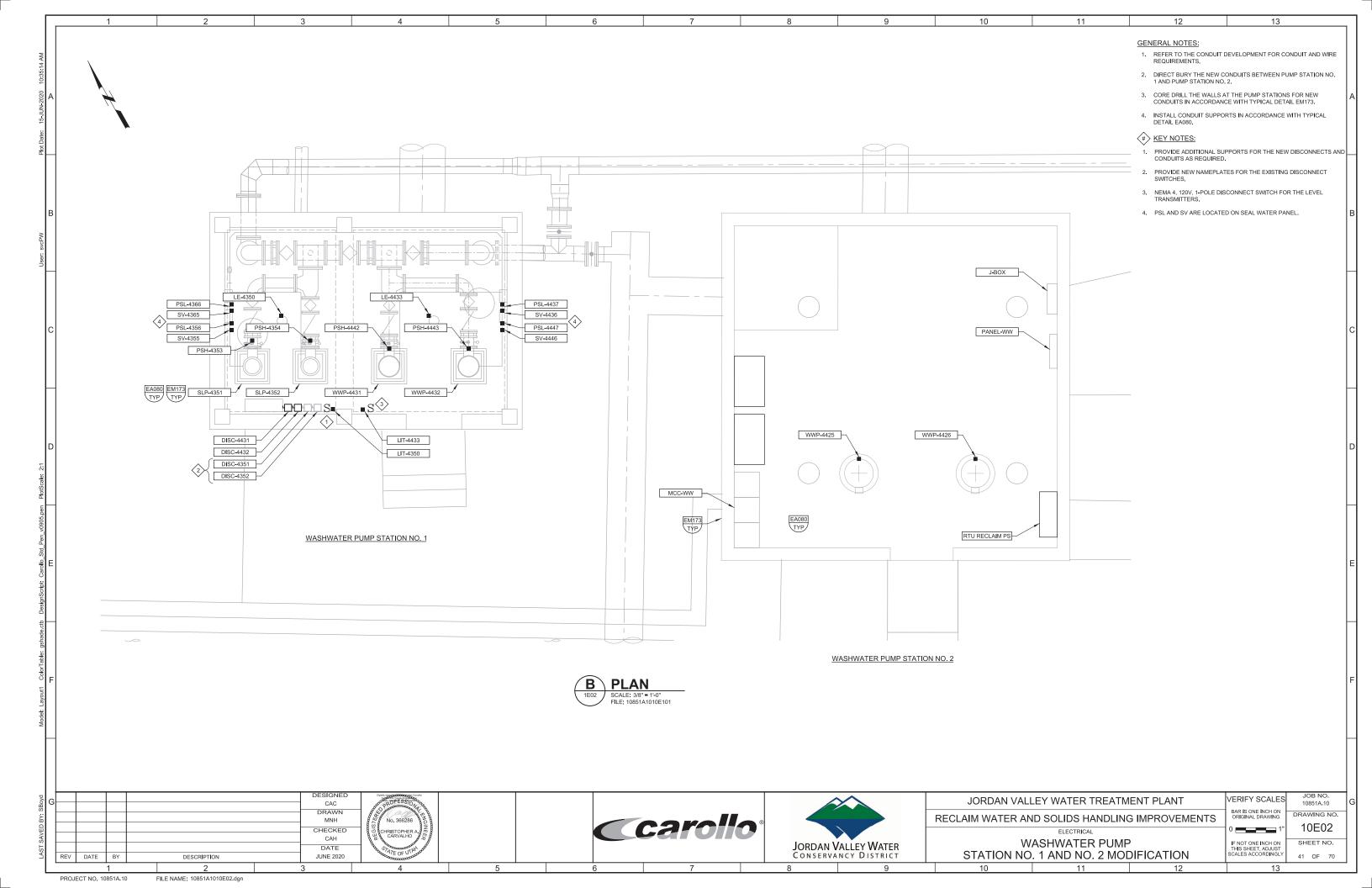












GENERAL NOTES: REFER TO THE DEMOLITION PLAN ON 10E01 FOR DEMOLITION NOTES. 2. REFER TO SECTION 16050 FOR ADDITIONAL DEMOLITION REQUIREMENTS. B PHOTO

10E01 SCALE: NO SCALE
FILE: PUMP STATION 1 - 16.JPG PHOTO

10E01 SCALE: NO SCALE
FILE: PUMP STATION 1 - 1.JPG JOB NO. 10851A.10 JORDAN VALLEY WATER TREATMENT PLANT VERIFY SCALES Ccarollo RECLAIM WATER AND SOLIDS HANDLING IMPROVEMENTS 10E03 CHECKED CAH WASHWATER PUMP STATION NO. 1 AND NO. 2 DEMO PHOTOS IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY JORDAN VALLEY WATER CONSERVANCY DISTRICT SHEET NO. DATE JUNE 2020 42 OF 70 PROJECT NO. 10851A.10 FILE NAME: 10851A1010E03.dgn

