

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL
DRAWING, ADJUST SCALES FOR REDUCED PLOTS
0 1"
DRAWING NO.
MPG-0001-G-0001
SHT 1 OF 29

r						
		AT	CJ	CONTROL JOINT	EC	END HORIZONTAL CURVE
	@ L	ANGLE	CJ	CONSTRUCTION JOINT	ECR	END CURB RETURN
	A/C A/C UNIT	AIR CONDITIONING AIR CONDITIONING UNIT	CKT CKT BRKR	CIRCUIT CIRCUIT BREAKER	EF, E.F.	
	A/C UNIT AB	AIR CONDITIONING UNIT ANCHOR BOLT, AGGREGATE BASE	CKTBRKR	CONTROL LINE	EG EJ	EXISTING GRADE EXPANSION JOINT
	ABUT	ABUTMENT		CENTER LINE	EL	ELEVATION - GRADE OR BUILDING
G	ABV AC	ABOVE ALTERNATING CURRENT,	CL-6 CLG	CHAIN LINK FENCE (6 FT) CEILING	ELECT ELEV, EL	ELECTRIC ELEVATION
		ASPHALT CONCRETE BASE	CLG HT	CEILING HEIGHT	ELV	ELECTRIC VAULT
	ACC ACI	ACCESSIBLE AMERICAN CONCRETE INSTITUTE	CLGL CLL	CLEAR GLASS CONTRACT LIMIT LINE	EM EMB	EXPANDED METAL EMBANKMENT
	ACR	ACRYLIC PLASTIC	CLO	CLOSET	EMD	
	ACS DR	ACCESS DOOR	CLOS		EMER	EMERGENCY
	ACS PNL ACSR	ACCESS PANEL ALUMINUM CABLE STEEL REINFORCED	CLR CLS	CLEAR, CLEARANCE CLASS	ENCL ENGR	ENCLOSE(URE) ENGINEER
	ACST	ACOUSTIC	CLSM	CONTROLLED LOW STRENGTH MATERIAL	ENTR	ENTRANCE, ENTERING
	ACT ADDM	ACOUSTICAL CEILING TILE ADDENDUM	CLWG cm	CLEAR WIRED GLASS CENTIMETER(S)	EOD EP	EDGE OF DECK END POINT, ELECTRICAL PANELBOARD
	ADH	ADHESIVE	СМ	CORRUGATED METAL	EPRF	EXPLOSION PROOF
	ADJ ADO	ADJACENT, ADJOINING, ADJUSTABLE, ADJUST AUTOMATIC DOOR OPERATOR	CMP CMPST	CORRUGATED METAL PIPE COMPOSITE	EPY ESA	EPOXY COATING ENVIRONMENTALLY SENSITIVE AREA
	AFF	ABOVE FINISHED FLOOR	CMU	CONCRETE MASONRY UNIT	EQ	EQUAL
	AGGR AHR	AGGREGATE ANCHOR	CND CNL	CONDUIT CONDUCTIVE NEOPRENE LATEX	EQUIP ESCAL	EQUIPMENT ESCALATOR
F	AHU	AIR HANDLING UNIT	CNR	CORNER	EST	ESTIMATE(D)
F	AI AIC	AREA INLET AMPERE INTERRUPTING CAPACITY	CNTR CO		EVC E.W.	END VERTICAL CURVE EACH WAY
	AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	CO2	COUNTY, CLEANOUT CARBON DIOXIDE	E.WC	ELECTRIC WATER COOLER
	A.L.		COL	COLUMN	EWT	ENTERING WATER TEMPERATURE
	ALT ALUM	ALTERNATE ALUMINUM	COM COMB	COMMON COMBINED, COMBUSTION	EXC EXH	EXCAVATE, EXCAVATION EXHAUST
	AMB	AMBIENT	COMPT	COMPARTMENT	EXH A	EXHAUST AIR
	AMP ANOD	AMPERE ANODIZE	CONC COND	CONCRETE CONDUIT	EXST, (E) EXP	EXISTING EXPANSION
	ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	CONN	CONNECT	EXP	EXPOSED
	APPD APPROX	APPROVED APPROXIMATE	CONSTR CONT	CONSTRUCTION CONTINUE	EXP BT EXT	EXPANSION BOLT EXTERIOR
	ARCH	ARCHITECT	CONTR	CONTRACTOR	F	FAHRENHEIT
	ARFCD ARI	AMERICAN RIVER FLOOD CONTROL DISTRICT AMERICAN REFRIGERATION INSTITUTE	CONV COORD	CONVENTIONAL COORDINATE	FA FA	FIRE ALARM FRESH AIR
	ARN	ARCADE CREEK NORTH	CORR	CORRIDOR	FAC	FIRE APPARATUS CLOSET
_	ARS ARV	ARCADE CREEK SOUTH AIR RELEASE VALVE	COV	COVER	FAI F BRK	FRESH AIR INTAKE FIRE BRICK
Е	ASB	ASBESTOS	CPRS CP	COMPRESSIBLE CATCH POINT	FC	FOOT CANDLE
	ASC	ABOVE SUSPENDED CEILING	CPT	CONE PENETRATION TEXT, CARPET	FC BRK	FACE BRICK
	ASPH ASTM	ASPHALT AMERICAN SOCIETY FOR TESTING AND MATERIALS	CR CRCMF	CREEK CIRCUMFERENCE	FCG FCJ	FACING FLOOR CONSTRUCTION JOINT
	ATC	ACOUSTICAL TILE CEILING				FLOOR CLEANOUT
	AUTO AVE	AUTOMATIC AVENUE	CRG CRS	CROSS GRAIN COURSE(S)	FCU FD	FAN COIL UNIT FLOOR DRAIN
	AVG	AVERAGE	CS	CAST STONE	FDMPR	FIRE DAMPER
	AWG AWT	AMERICAN WIRE GAUGE ACOUSTICAL WALL TREATMENT	CSK CSMT	COUNTERSUNK	FDTN FE	FOUNDATION FIRE EXTINGUISHER
	BB	BEGINNING OF BRIDGE, BULLETIN BOARD	CT	CORROSIVE RESISTANT STEEL CROSS GRAIN COURSE(S) CAST STONE COUNTERSUNK CASEMENT COURT, CERAMIC TILE, CURRENT TRANSFORMER CENTER TO CENTER CENTER CONDENSING UNIT COPPER CUBIC FEET CABINET UNIT HEATER CUBIC YARDS CENTRAL VALLEY ELOOD PROTECTION BY	FEB	FIRE EXTINGUISHER BRACKET
	B-B BC	BACK-TO-BACK BEGIN HORIZONTAL CURVE, BOOKCASE	с то с	CURRENT TRANSFORMER	FEC FF	FIRE EXTINGUISHER CABINET FACTORY FINISH
	BD	BOARD	CTR	CENTER	FF EL	FINISH FLOOR ELEAVATION
	BDRY BEG	BOUNDARY BEGIN	CU Cu	CONDENSING UNIT	FG FGL	FINISHED GRADE FIBERGLASS
	BEJ	BRICK EXPANSION JOINT	CU FT	CUBIC FEET	FH	FIRE HYDRANT
D	BEV BFV	BEVEL BUTTERFLY VALVE	CUH CU YD	CABINET UNIT HEATER	FH FHC	FLAT HEAD FIRE HOSE CABINET
	BITUM	BITUMINOUS	COLLD			FLAT HEAD MACHINE SCREW
	BJT BK	BED JOINT BACK	CULV CV	CULVERT CEILING VENT	FHR FHS	FIRE HOSE RACK FIRE HOSE STATION
	BKF	BACKFILL	CVH	CONDUCTIVE VINYL HOMOGENEOUS	FHWS	FLAT HEAD WOOD SCREW
	BL BLDG	BUILDING LINE BUILDING	CVHS	(SHEET TYPE) CENTRAL VALLEY HYDROLOGY STUDY	FIG FIN	FIGURE FINISH
	BLKT	BLANKET	CW	COLD WATER	FIN FLR	FINISH FLOOR
	BLVD BLW	BOULEVARD BELOW	CYL D	CYLINDER DEPTH	FIXT FJT	FIXTURE FLUSH JOINT
	BM	BENCHMARK	d	PENNY (AS IN NAIL - 10D)	FL	FLOW LINE
	BMP BO	BEST MANAGEMENT PRACTICE BOTTOM OF	D.O.T. DAT	DEPARTMENT OF TRANSPORTATION DATUM	FLASH FLR	FLASHING FLOOR
	BOT	BOTTOM	DAT	DRY BULB	FLEX	FLEXIBLE
	BP BR	BEGINNING POINT, BACK PLASTER(ED) BRIDGE		DOUBLE DOUBLE ACTING DOOR	FLG FLR PL	FLOORING FLOOR PLATE
	BRCG	BRACING	DBL ACT DR	DOUBLE ACTING DOOR DOWELED CONTROL JOINT	FLUOR	FLUORESCENT
С	BRDG BRG	BRIDGING BEARING	DCJT	DOWELED CONTROL JOINT DUMMY CONTROL JOINT DEGREE	FN FNK	FENCE FUNKS
	BRG PL	BEARING PLATE	DEG DEMO	DEGREE DEMOLITION	FO	FIBER OPTIC
	BRK BRKT	BRICK BRACKET	DEPR DEPT	DEPRESSION	FOC FOF	FACE OF CONCRETE FACE OF FINISH
	BRZ	BRONZE	DEPT	DEPARTMENT DETAIL	FOR	FACE OF MASONRY
	BS	BOTH SIDES	DF		FOS	FACE OF STUD
	BSMT Btu	BASEMENT BRITISH THERMAL UNIT	DH DH	DOUBLE HUNG DUCT HEATER	FP	FIRE PROTECTION / FIREPROOF / FIRE PARTITION
	BtuH BTWN	BTU PER HOUR BETWEEN	DI	DRAINAGE INLET, DROP INLET	FPM FR	FEET PER MINUTE
	BV	BALL VALVE	DIA, Ø DIAG	DIAMETER DIAGONAL	FR FRG	FIRE RESISTANT / FRAME FORGED
	BUR BVC	BUILT-UP ROOFING BEGIN VERTICAL CURVE	DIM		FRMG	FRAMING FIRE-RETARDANT
	BW	BOTH WAYS, BARBED WIRE	DIP DISC	DISCONNECT	FS	FIRE-RETARDANT FULL SIZE
	CAB CAP	CABINET	DISP	DISPENSER	FSTNR	FASTEN(ER) FEET, FOOT
	CAP CARV	CAPACITY COMBINATION AIR RELEASE VALVE	DIST DISTR PNL	DISTANCE DISTRIBUTION PANEL	FTG	FEET, FOOT FOOTING
В	CB	CATCH BASIN, CEMENT BENTONITE	DIV		FURG	FURRING
	CBD C-C	COLUSA BASIN DRAIN CENTER-TO-CENTER	DL DMPF	DEAD LOAD DAMPPROOFING	FUT FW	FUTURE FIRE WATER
	CCS	CALIFORNIA COORDINATE SYSTEM	DMPR	DAMPER	FWC	FABRIC WALL COVERING
	CCT CCTV	CUBICLE CURTAIN TRACK CLOSED CIRCUIT TELEVISION	DMT DN	DEMOUNTABLE DOWN	G GA	NATURAL GAS GAGE
	CE	COVER ELEVATION	DNP	DUNNIGAN PIPELINE	GAL	GALLON(S)
	CEM CEM PLAS	CEMENT CEMENT PLASTER	DR DRB	DOOR, DRAIN, DRIVE	GALV GALV STI	GALVANIZED GALVANIZED STEEL
	CER	CERAMIC	DR CL	DOOR CLOSER	GB	GRADE BREAK, GRAB BAR
	CFDM CFI	COFFER DAM CONDUCTIVE FLOORING	DS	DIAMETER DIAGONAL DIMENSION DUCTILE IRON PIPE DISCONNECT DISPENSER DISTANCE DISTRIBUTION PANEL DIVISION DEAD LOAD DAMPPROOFING DAMPPROOFING DAMPER DEMOUNTABLE DOWN DUNNIGAN PIPELINE DOOR, DRAIN, DRIVE DRAINBOARD DOOR CLOSER DOWNSTREAM, DOWNSPOUT, DOUBLE STRENGTH (GLASS) DEEP SOIL MIX DETAIL DRAIN TILE	GC	GENERAL CONTRACTOR GLENN-COLUSA IRRIGATION DISTRICT
	CFLG	COUNTERFLASHING	DSM	DEEP SOIL MIX	GEN	GENERAL
	CFM CFS	CUBIC FEET PER MINUTE CUBIC FEET PER SECOND	DTL DT	DETAIL DRAIN TILE	GF GFCI	GROUND FACE GROUND FAULT CIRCUIT INTERRUPTER
	CG	CORNER GUARD	DVTL	DOVETAIL	GFE	GOVERNMENT-FURNISHED EQUIPMENT
	CH BD CHFR	CHALKBOARD CHAMFER	DWG	DRAWING	GFE/CI	GOVERNMENT-FURNISHED EQUIPMENT
А	CHIM	CHIMNEY	DWLS DWR	DOWELS DEPARTMENT OF WATER RESOURCES, D	RAWER GG	GOLDEN GATE DAM
	CHK	CHECK	DX	DIRECT EXPANSION	GI	GALVANIZED IRON
	CHNL CHR PL	CHANNEL CHROME PLATED	DWY E	DRIVEWAY EAST, EASTING	GIP GKT	GALVANIZED IRON PIPE GASKET(ED)
	CI	CAST IRON, CURB INLET	EA	EACH	GL	GLASS
	CIP CIRC	CAST-IN-PLACE CIRCULAR	EAT EB	ENTERING AIR TEMPERATURE END OF BRIDGE	GL BLK GLF	GLASS BLOCK GLASS FIBER
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ļ				DESIGNED BY:	VE	Jacobs
						JALUUS

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						D. CAVE	Jacok
						DRAWN BY: D. CAVE	2525 AIRPARK D REDDING, CA 960
						CHECKED BY:	REDDING, CA 960 (530) 243-5831
						W. OHLIN IN CHARGE:	_
						P. RUDE	
				P.RU		DATE: 01-26-2024	
REV	DATE	BY	CHK.	APPR.	DESCRIPTION	01-20-2024	

12/12/: DCAV Plot Date: Saved By:

	4		5		6	7	8		9		10
EC		GLZ		LT WT		PCC	POINT OF COMPOUND CURVE, PRECAST CONCRET		RIVET		ARMY CORPS OF ENGINEERS
ECR EF, E.F. EG	END CURB RETURN EACH FACE EXISTING GRADE	GLZ CMU GND GOVT	GLAZED CONCRETE MASONRY UNITS GROUND GOVERNMENT		LIGHTNING	PCF PCP PCVC	POUNDS PER CUBIC FOOT CEMENT PLASTER (PORTLAND) POINT OF COMPOUND VERTICAL CURVE	R/W, ROW RW RWC	RIGHT-OF-WAY RELIEF WELL, RAW WATER RAINWATER CONDUCTOR		TED STATES BUREAU OF CLAMATION ITY
EG EJ EL	EXPANSION JOINT ELEVATION - GRADE OR BUILDING	GOVI GPM GPT	GOVERNMENT GALLONS PER MINUTE GYPSUM TILE	LWC	LIGHTWEIGHT CONCRETE LEAVING WATER TEMPERATURE	PD PED	PAVEMENT DRAIN PEDESTAL	S SA	SOUTH SUPPLY AIR		T VENTILATOR
ELECT ELEV, EL	ELECTRIC ELEVATION	GRAN GR LN	GRANITE GRADE LINE	m M&B	METER(S) MATCHED AND BEADED	PERF PERIM	PERFORATE(D) PERIMETER	SAFCA S.B.	SACRAMENTO AREA FLOOD CONTROL AGENCY SECURITY BARS	VAC VAC VAR VAR	CUUM RIES, VARNISH
ELV EM	ELECTRIC VAULT EXPANDED METAL	GRTG GST	GRATING GLAZED STRUCTURAL TILE CLAZED STRUCTURAL LINITS	MACH	MACHINE	PG PG&E PCP	PROFILE GRADE PACIFIC GAS & ELECTRIC PLIMPING AND GENERATING PLANT	SB SBF	SOIL BENTONITE, SPLASH BLOCK SOUTH BAY FOUNDRY	VC VER	YL BASE RTICAL CURVE
EMB EMD EMER	EMBANKMENT ESTIMATED MAXIMUM DEMAND EMERGENCY	GSU GT GWT	GLAZED STRUCTURAL UNITS GROUT GLAZED WALL TILE	MAS MATL MAX	MATERIAL(S)	PGP PH PHAR	PUMPING AND GENERATING PLANT PILOT HOLE, PHASE PHARMACY	SC SCB SCCB	SOLID CORE SOIL-CEMENT-BENTONITE SLAG CEMENT-CEMENT-BENTONITE	VCT VITE	YL COMPOSITION TILE RIFIED CLAY TILE JLT DOOR
ENCL ENGR	ENCLOSE(URE) ENGINEER	GYP GYP BD	GYPSUM GYPSUM BOARD	MB MBR	MACHINE BOLTS MEMBER	PI PIPU	POINT OF INTERSECTION PREFAB ISOLATION POWER UNIT	SCH, SCHEI SCRN	D SCHEDULE SCREEN	VENT VEN VERT VER	ITILATOR(TION) RTICAL
ENTR EOD	ENTRANCE, ENTERING EDGE OF DECK	GYP PLAS H	GYPSUM PLASTER HEIGHT	MC MCJ	MEDICINE CABINET MASONRY CONTROL JOINT	PIV PL	POST INDICATING VALVE PROPERTY LINE, PLATE	SCT SD	STRUCTURAL CLAY TILE SADDLE DAM, STORM DRAIN	VEST VES VF VIN	TIBULE YL FABRIC
EP EPRF EPY	END POINT, ELECTRICAL PANELBOARD EXPLOSION PROOF EPOXY COATING	HB HC	HOSE BIBB HOLLOW CORE HALON CONTAINMENT DAMPER	MDS	METAL DIVIDER STRIP	P/L PLAM PLAS	PROPERTY LINE PLASTIC LAMINATE PLASTER	SDI SECT SEO	STEEL DOOR INSTITUTE SECTION SECUENCE	VG VER	RIABLE FREQUENCY DRIVE RTICAL GRAIN YL HOMOGENEOUS
EPY ESA EQ	EPOXY COATING ENVIRONMENTALLY SENSITIVE AREA EQUAL	HCD HCP HD	HALON CONTAINMENT DAMPER HANDICAPPED HEAD		MECHANICAL ROOM	PLAS PLAT PLBG	PLASTER PLATFORM PLUMBING	SEQ SFGL SFTU	SEQUENCE SAFETY GLASS STRUCTURAL FACING TILE UNIT	VJ V-JC	YL HOMOGENEOUS DINT(ED) IEER
EQUIP ESCAL	EQUIPMENT ESCALATOR	HD HDBD	HEAVY DUTY HARDBOARD	MEMB MES	MEMBRANE METAL EDGE STRIP	PLF PLG	POUNDS PER LINEAR FOOT PILING	SFU SG	STRUCTURAL FACING UNIT SHEET GLASS	VOL VOL VR VAP	UME POR RETARDER
EST EVC	ESTIMATE(D) END VERTICAL CURVE	HD JT HDR HDW/	HEAD JOINT HEADER HARDWARE	MFG	MANUFACTURING	PL GL PLYWD	PLATE GLASS PLYWOOD	SHLDR SHT	SHOULDER SHEET	VS VEN	RMICULITE IT STACK
E.W. EWC EWT	EACH WAY ELECTRIC WATER COOLER ENTERING WATER TEMPERATURE	HDW HDWD HES	HARDWARE HARDWOOD HIGH EARLY-STRENGTH CEMENT	MFR MG MGT	MOTOR GENERATOR	PNL PT POB	PANEL PAINT(ED) POINT OF BEGINNING	SHTHG SHV SIM	SHEATHING SHELVING SIMILAR	VTR VEN	TAGE TRANSFORMER IT THRU ROOF YL WALL COVERING
EXC EXH	EXCAVATE, EXCAVATION EXHAUST	HEX HH	HIGH EARLY-STRENGTH CEMENT HEXAGON HANDHOLE	MG1 MH MI	MANHOLE	POC POE	POINT OF BEGINNING POINT OF HORIZONTAL CURVE POINT OF ENDING	SIM SJI SKLT	STEEL JOIST INSTITUTE SKYLIGHT	W WES W/ WIT	ST, WATER H
EXH A EXST, (E)	EXHAUST AIR EXISTING	HK HM	HOOK(S) HOLLOW METAL	MIN MIRR	MINIMUM MIRROR	POI POL	POINT OF INTERCONNECTION POLISHED	SLO SLNT	SLOPE SEALANT	W/OUT WIT WB WET	HOUT F BULB
EXP EXP	EXPANSION EXPOSED EXPANSION POLT	HNDRL HORIZ, HOR	HANDRAIL R HORIZONTAL HINGE POINT, HIGH PRESSURE, HORSEPOWER	MISC ML MI	METAL LATH	PORC PORT	PORCELAIN PORTABLE POINT OF TANCENT	SLV SM SMS	SLEEVE SHEET METAL SHEET METAL SCREWS	WC WAT	OD BLOCKING FER CLOSET
EXP BT EXT F	EXPANSION BOLT EXTERIOR FAHRENHEIT	HP HPT HPU	HINGE POINT, HIGH PRESSURE, HORSEPOWER HIGH POINT HYDRAULIC POWER UNIT		MOULDING	POT POVC PP	POINT OF TANGENT POINT OF VERTICAL CURVE POWER POLE	SMS SOV SPC	SHEET METAL SCREWS SHUT OFF VALVE SPACER	WCO WOO	EELCHAIR OD-CASED OPENING TH, WOOD, WOOD DOOR
FA FA	FIRE ALARM FRESH AIR	HR HS	HOUR HIGH STRENGTH	mm	MILLIMETER(S) MATERIAL NOT IN CONTRACT	PPGL PPM	POLISHED PLATE GLASS PARTS PER MILLION	SPCL SPD	SPECIAL SOUNDPROOF DOOR	WDSP WAS WDW WIN	STE DISPOSER DOW
FAC FAI	FIRE APPARATUS CLOSET FRESH AIR INTAKE	HSGYP HSKPG	HIGH-STRENGTH GYPSUM PLASTER HOUSEKEEPING	МО	(INSTALLATION BY CONTRACTOR) MASONRY OPENING	PR PRC	PAIR POINT OF REVERSE CURVE	SPEC SPF	SPECIFICATION, SPECIAL SOUNDPROOF	WF WID WGL WIR	E FLANGE ED GLASS
F BRK FC FC BRK	FIRE BRICK FOOT CANDLE FACE BRICK	HT HTG HTR	HEIGHT HEATING HEATER	MOD.	MODIFIED, MODIFY	PREFAB PREFIN PREFMD	PREFABRICATE(D) PREFINISHED PREFORMED	SP FIN SPH SPKR	SPECIAL FINISH SPACE HEATER SPEAKER	WH WAT	LL HUNG FER HEATER EEL BUMPER
FC BRK FCG FCJ	FACE BRICK FACING FLOOR CONSTRUCTION JOINT	HVAC HW	HEATER HEATING, VENTILATING AND AIR CONDITIONING HEADWALL, HIGH WATER	МОТ	MOTOR	PREFMD PRKG PROJ	PREFORMED PARKING PROJECT	SPKR SQ SQHD	SPEAKER SQUARE SQUARE HEAD	WHM WAT	EEL BUMPER IT-HOUR METER DUGHT IRON
FCO FCU	FLOOR CLEANOUT FAN COIL UNIT	HWM HWY	HIGH WATER MARK HIGHWAY	MPG MR	MAXWELL / SITES PUMPING AND GENERATING MOP RECEPTOR	PRV PRVC	PRESSURE-REGULATING VALVE POINT OF REVERSE VERTICAL CURVE	S&R SS	SHELF AND ROD SANITARY SEWER, SERVICE SINK,	WKSH WOI WM WAT	RK SHOP FER METER, WIRE MESH
FD FDMPR	FLOOR DRAIN FIRE DAMPER	HYDR Hz	HYDRAULIC HERTZ	MRD	METAL ROOF DECKING	PS P.S.	PUMP STATION, PIPE SPACE PRESSED STEEL PLANS SPECIFICATIONS AND ESTIMATES	SST	STANDING SEAM (ROOF) STAINLESS STEEL	WP WAT	HOUT FERPROOF(ING)
FDTN FE FEB	FOUNDATION FIRE EXTINGUISHER FIRE EXTINGUISHER BRACKET	I-80 IB IC	INTERSTATE 80 IMPORTED BORROW INTERCOM		METAL THRESHOLD	PS&E PS CONC PSF	PLANS, SPECIFICATIONS AND ESTIMATES PRESTRESSED CONCRETE POUNDS PER SQUARE FOOT	ST STA STD	STREET STATION STANDARD	WP WOI	ATHERPROOF RKING POINT STE RECEPTACLE
FEC FF	FIRE EXTINGUISHER BRACKET FIRE EXTINGUISHER CABINET FACTORY FINISH	ID IE	INSIDE DIAMETER INVERT ELEVATION	MTD MTFR	MOUNTED METAL FURRING	PSI PT	POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH POINT OF TANGENCY, PNEUMATIC TUBE	STG STL	SEATING STEEL	WRB WAF	RDROBE FER SURFACE, WATERSTOP
FF EL FG	FINISH FLOOR ELEAVATION FINISHED GRADE	IESNA	ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA	MTL MVBL	METAL MOVABLE	PT. PT CONC	POINT POST-TENSIONED CONCRETE	STOR ST PR	STORAGE STATIC PRESSURE	W.S. WAS WSCT WAI	STE STACK NSCOT
FGL FH FH	FIBERGLASS FIRE HYDRANT FLAT HEAD	ILK IN INCIN	INTERLOCK INCH, INCHES INCINERATOR	MUTD	MULLION MANUAL FOR UNIFORM TRAFFIC CONTROL DEVICES MONITORING WELL	PTD S PTN PTP	PAPER TOWEL DISPENSER PARTITION PAPER TOWEL RECERTACLE	STR STRUCT	STRINGER STRUCTURAL STAIRWAY	WSE WAT	FERSIDE FER SURFACE ELEVATION -DED STEEL PIPE
FH FHC FHMS	FLAT HEAD FIRE HOSE CABINET FLAT HEAD MACHINE SCREW		INCINERATOR INCLUDED INSULATING FILL	Ν	NORTH	PTR PV PVC	PAPER TOWEL RECEPTACLE PAVED POLYVINYL CHLORIDE	STWY SUB FL SUSP	STAIRWAY SUBFLOOR SUSPENDED		GHT
FHR FHS	FIRE HOSE RACK FIRE HOSE STATION	INSUL INT	INSULATION INTERIOR	NAD83 NAS	NORTH AMERICAN DATUM OF 1983 NORTH AREA STREAMS	PVG PVMT	PAVING PAVEMENT	SV SW	SHEET VINYL SWITCH	WV WAT W/W WAL	TER VALVE LL TO WALL
FHWS FIG	FLAT HEAD WOOD SCREW FIGURE	INTM INV	INTERMEDIATE INVERT	NAVD88	NORTH AMERICAN VERTICAL DATUM OF 1988	PW PWS	PASS WINDOW PIPELINE WARNING SIGN	SWBD SWPPP	SWITCHBOARD STORM WATER POLLUTION PREVENTION PLAN	WWM WEL	DED WIRE FABRIC DED WIRE MESH
FIN FIN FLR FIXT	FINISH FINISH FLOOR FIXTURE	I/O IP IPS	INLET/OUTLET IRON PIPE IRON PIPE SIZE	NEC	NATIONAL ELECTRICAL CODE	QT QT. QTR	QUARRY TILE QUART QUARTER	SWR SYM SYMM	SEWER SYMBOL SYMMETRICAL	WY WAY	LDED WIRE REINFORCEMENT Y NSFORMER
FJT FL	FLUSH JOINT FLOW LINE	I.P.S. IR	INSIDE PIPE SIZE IRRIGATION	ASSOCIATIO NEMDC	ON NATOMAS EAST MAIN DRAINAGE CANAL	1/4 RND QTY	QUARTER QUARTER ROUND QUANTITY	SYNTH SYS	SYNTHETIC SYSTEM	XSEC CRC YD YAR	DSS SECTION RD
FLASH FLR	FLASHING FLOOR	JAN CLO J-BOX	JANITOR'S CLOSET JUNCTION BOX	NFPA NGS	NATIONAL FIRE PROTECTION ASSOCIATION NATIONAL GEODETIC SURVEY	R RA	RADIUS, RANGE, RISER RETURN AIR	T TAN	TREAD TANGENT	YD YAR YR YEA	RD DRAIN R
FLEX FLG FLR PL	FLEXIBLE FLOORING FLOOR PLATE	JCT JST JT	JUNCTION JOIST JOINT	NGVD Ni NIC	NICKEL	RAB RA GR RAR	RABBETED RETURN AIR GRILLE RETURN AIR REGISTER	TB TBD	TOWEL BAR TO BE DETERMINED TERRA COTTA (TERAMA COLUSA	YRS YEA	RS
FLR PL FLUOR FN	FLOOR PLATE FLUORESCENT FENCE		JOINT KILOPOUND (1000 POUNDS) KITCHEN	NL		RAR RB RBL	RETURN AIR REGISTER RUBBER BASE, RESILIENT BASE RUBBLE STONE	TC T-C TCCA	TERRA COTTA/ TEHAMA-COLUSA TEHAMA-COLUSA TEHAMA-COLUSA CANAL AUTHORITY		
FNK FO	FUNKS FIBER OPTIC	KOP KPL	KNOCKOUT PANEL KICKPLATE	N.M.W.S. NM	NEW MAX WATER SURFACE NONMETALLIC	RBR RC	RUBBER REMOTE CONTROL	TCP TEL	TRAFFIC CONTROL PLAN TELEPHONE		
FOC FOF	FACE OF CONCRETE FACE OF FINISH	kV kVA	KILOVOLTS KILOVOLT AMPERES	NOM	NOMINAL	RCP RCVR	REINFORCED CONCRETE PIPE RECEIVER	TEMP TER	TEMPORARY, TEMPERATURE TERRAZZO		
FOM FOS FP	FACE OF MASONRY FACE OF STUD FIRE PROTECTION /	kVAR kW KWY	KILOVOLT AMPERES REACTIVE KILOWATT KEYWAY	NRC	NOISE REDUCTION COEFFICIENT	RD RDG INS RDY	ROAD, ROOF DRAIN RIGID INSULATION ROADWAY	TERM T&G TG	TERMINAL TONGUE AND GROOVE TOP OF GRADE		
FPM	FIRE PROTECTION / FIREPROOF / FIRE PARTITION FEET PER MINUTE	L LAB	LENGTH LABORATORY	NTS O-O	NOT TO SCALE OUT-TO-OUT	RECPT REC ROOM	RECEPTACLE // RECREATION ROOM	TGL TH	TOGGLE TRUSS HEAD		
FR FRG	FIRE RESISTANT / FRAME FORGED	LAD LAM	LADDER LAMINATE	OA OBSC	OBSCURE	RECT REF	RECTIFIER REFERENCE	THK THRES	THICK(NESS) THRESHOLD		
FRMG FRT FS	FRAMING FIRE-RETARDANT FULL SIZE	LAT LAU LAV	LEAVING AIR TEMPERATURE LAUNDRY LAVATORY	OC	ON CENTER	REFL REFR	REFLECT REFRIGERATION	THW TK BD	TOP OF HEADWALL TACKBOARD		
FS FSTNR FT	FOLL SIZE FASTEN(ER) FEET, FOOT	LAV LB LB	LAVATORY LAG BOLT POUND	OD	OUTSIDE DIAMETER	REG REG REINF	REGISTER REGLET REINFORCE	TKS TO TOC	TACKSTRIP TOP OF TOP OF CONCRETE		
FTG FURG	FOOTING FURRING	LBL LBR	LABEL LUMBER	OFST	OFFSET	REL REM	RELOCATE REMOVE(ABLE)	TOL	TOP OF LEVY, TOLERANCE TOP OF PIPE		
FUT FW	FUTURE FIRE WATER	LC LD	LIGHT CONTROL LOAD	ОН	OVERHEAD	REPL REQD	REPLACEMENT	TOPO TOS	TOPOGRAPHY TOP OF SLOPE, TOP OF SLAB, TOP OF STEEL		
FWC G GA	FABRIC WALL COVERING NATURAL GAS GAGE	LDCC LDG LF	LOW DENSITY CELLULAR CONCRETE LOADING LINEAR FOOT (FEET)	OHWM	ORDINARY HIGH WATER MARK	RESIL RET REV	RESILIENT RETAINING, RETURN REVISED, REVISION	TOT TOW TP	TOTAL TOP OF WALL TELEPHONE POLE		
GAL GALV	GAGL GALLON(S) GALVANIZED	LG LH	LENGTH LEFT HAND(ED)	OHWS	OVALHEAD WOOD SCREW	RFG RH	ROOFING RELATIVE HUMIDITY	TP TPD TPTN	TOILET PAPER DISPENSER TOILET PARTITION		
GALV STL GB	GALVANIZED STEEL GRADE BREAK, GRAB BAR	LIN LKR		OPNG OPP	OPENING OPPOSITE	RH RH	RIGHT HAND ROOF HATCH	TRANS TRR	TRANSITION, TRANSOM, TRANSVERSE TERMINAL REGULATING RESERVOIR		
GC GCID	GENERAL CONTRACTOR GLENN-COLUSA IRRIGATION DISTRICT	LL LLD	LIVE LOAD LEAD-LINED DOOR	OPS	OPERATIONS	RK RLG	RACK RAILING	TRW TSTAT	TERMINAL REGULATING RESERVOIR WEST THERMOSTAT		
GEN GF GFCI	GENERAL GROUND FACE GROUND FAULT CIRCUIT INTERRUPTER	LM LMST LNTL	LUMEN LIMESTONE LINTEL	OPTN	OPTION	RM RND RO	RIVER MILE, ROOM ROUND ROUGH OPENING	TV TYP UC	TELEVISION TYPICAL UNIT COOLER		
GFE GFE/CI	GOVERNMENT-FURNISHED EQUIPMENT GOVERNMENT-FURNISHED EQUIPMENT	LOC	LOCATION LAYOUT LINE		OCCUPATIONAL SAFETY AND HEALTH	ROW RP	RIGHT OF WAY RADIUS POINT, RETRACTABLE PARTITION		UNIT COOLER UNDERGROUND UNIT HEATER		
	TOR INSTALLED GOLDEN GATE DAM	LONG LP	LONGITUDINAL LIGHTPROOF	OWGL P	OBSCURE WIRED GLASS POLE	RPM RPRT	REVOLUTIONS PER MINUTE RAISED PATTERN RUBBER TILE	UL	UNDERWRITERS LABORATORIES URBAN LEVEE DESIGN CRITERIA		
GI GIP	GALVANIZED IRON GALVANIZED IRON PIPE	LPL	LIGHTPROOF DOOR LIGHTPROOF LOUVER	PAR	PARALLEL	RR RSP	RAILROAD ROCK SLOPE PROTECTION	UNEX UNFIN	UNEXCAVATED UNFINISHED		
GKT GL GL BLK	GASKET(ED) GLASS GLASS BLOCK		LOW POINT LONG RADIUS, LIVING ROOM LANDSIDE, LAWN SPRINKLER	PBD		RT RTE RTF	RIGHT ROUTE RUBBER TILE FLOOR	U.P.R.R. UPS	UNION PACIFIC RAILROAD UNINTERRUPTIBLE POWER SUPPLY URINAL		
GLF	GLASS FIBER	LT	LEFT, LIGHT			RVS	REVERSE	UR US	UPSTREAM		
		<u> </u>				— — — —					VERIFY SCALES
	Jacobs		REGISTERED				SII	ES RE	ESERVOIR		BAR IS ONE INCH ON ORIGINAL

REGISTERED PROFESSIONAL ENGINEER WAYNE J. OHLIN 72287 CALIFORNIA



MAXWELL / SITES PUMPING AND GENERATING GENERAL ABBREVIATIONS

CALES O BAR IS ONE INCH ON ORIGINAL DRAWING, ADJUST SCALES FOR REDUCED PLOTS

	1 2	3	4	5	6	7				
	GENERAL SYMBOLS		DRAWING NUMBERING LEGEND							
G	A1 DETAIL DESIGNATION DRAWING NUMBER WHERE SHOWN		LOCATION / PA FACILITY / A	MPG-2155-5 CKAGE CODE	S-2001 DRAWING TYPE CODE DISCIPLINE DESIGNATOR					
	- MPG-2155-D-5001	LOCATION / PACKAGE NUMBER AND CODE	MPG FACILITY /	AREA NUMBERS	DISCIPLINE DESIGNATOR	DRAWIN	G TYPE CODE			
F	USE DASH WHEN SHOWN ON SAME SHEET UDU DI MPG-2155-D-3001 0330-056 STANDARD DETAIL ON DRAWING WHERE DETAIL OR SECTION IS CALLED OUT	 STS - SITES RESERVOIR MPG - MAXWELL / SITES PUMPING AND GENERATING SCD - RESERVOIR CLEARING AND DEMOLITION HFR - HUFFMASTER ROAD DNP - DUNNIGAN PIPELINE CCA - TEHAMA-COLUSA CANAL AUTHORITY CID - GLENN-COLUSA IRRIGATION DISTRICT REC - SITES RECREATION MIT - SITES MITIGATION 	2100-FNK - TEMPORAF2105-FNK - SITE CIVIL2107-FNK - RETAINING2110-FNK - YARD PIPIN2115-FNK - RESERVOIF2120-FNK - PIPELINE2125-FNK - SITE AND G2130-FNK - SUBSTATIO2135-FNK - INSTRUMEF2145-FNK - ADMINISTR	ELECTRICAL ION AND CONTROLS YARD WATER PIPELINE DISSIPATION STRUCTURE Y CONSTRUCTION WALL IG R EENERAL ELECTRICAL N NTATION AND CONTROLS ATION AND OPERATIONS BUILDING	J - PLUMBING K - TRANSMISSION L - LANDSCAPE M - BUILDING MECHANICAL N - INSTRUMENTATION AND CONTROLS P - PIPELINE Q - EQUIPMENT R - ROADWAY S - STRUCTURAL	ENT 6000 - US 8000 - VE 4000 - EN 5000 - DE 6000 - SC 7000 - US 8000 - US	ENERAL AND 3D RENDERINGS MOLITION ANS AND PLAN AND PROFILE CTIONS, ELEVATIONS AND PROFILES ILARGED PLANS TAILS CHEDULES AND DIAGRAMS ER DEFINED ER DEFINED D DETAILS			
E	A1 DETAIL SCALE MPG-2155-D-2001		2155 - FNK - PUMPING F 2160 - FNK - SWITCHGE 2161 - FNK - EMERGENO 2165 - FNK - GENERATIN 2170 - FNK - CHILLER YA 2171 - FNK - CHILLER YA 2175 - FNK - HVAC BUILI 2175 - FNK - FIRE WATE 2180 - FNK - FIRE WATE 2181 - FNK - FIRE WATE 2185 - FNK - SURGE CO 2190 - FNK - FLOW MET 2200 - TRR - TEMPORAR 2205 - TRR - SITE CIVIL 2207 - TRR - SHEET PILI 2210 - TRR - SHEET PILI 2210 - TRR - RESERVOII 2220 - TRR - RESERVOII 2220 - TRR - SITE ELEC 2230 - TRR - SWITCHYA 2231 - TRR - SUBSTATIC	AR BUILDING CY GENERATOR NG PLANT ARD DING CY DISSIPATION STRUCTURE R TANK R PUMPING PLANT NTROL SYSTEM ER VAULT Y CONSTRUCTION E WALL IG R TRICAL RD	T - TELECOMMUNICATIONS V - SURVEY MAPPING Y - YARD PIPING					
D	D1 SECTION SCALE MPG-2155-D-2001 STANDARD DETAIL STANDARD DETAIL NAME NTS 0330-056		2235-TRR - INSTRUME2240-TRR - TRANSMIS2255-TRR - PUMPING F2260-TRR - SWITCHGE2261-TRR - EMERGENG2265-TRR - GENERATIN2270-TRR - CHILLER Y/2271-TRR - HVAC BUIL2275-TRR - ENERGY D2280-TRR - FIRE WATE2281-TRR - FIRE WATE2285-TRR - SURGE CO2291-TRR - CHECK STF2292-TRR - CHECK STF2294-TRR - CHECK STF	SION PLANT AR BUILDING CY GENERATOR NG PLANT ARD DING ISSIPATION STRUCTURE R TANK R PUMPING PLANT NTROL SYSTEM RUCTURE 1 RUCTURE 2 RUCTURE 3						
	ON DRAWING WHERE DETAIL OR SECTION IS SHOWN									
С										
)										
I										
В										
I										
, A										
<u>л</u>										
N	DESIGNED BY:		bs	REGISTERED						
JACKSON	DRAWN BY: D. C CHECKED BY:	REDDING, CA (530) 243-5	RK DR A 96001 5831	PROFESSIONAL ENGINEER		6	MAXW			
I By: AJ	IN CHARGE:	UDE		WAYNE J. OHLIN 72287	Site	5	AN			
Saved	REV DATE DATE: DATE: REV DATE BY CHK. APPR. DESCRIPTION DATE:	6-2024		CALIFORNIA						





WELL / SITES PUMPING AND GENERATING GENERAL GENERAL SYMBOLS AND DRAWING NUMBERING LEGEND

0 _____ 1" DRAWING NO. MPG-0001-G-0020 SHT 4 OF 29

VERIFY SCALES

BAR IS ONE INCH ON ORIGINAL DRAWING, ADJUST SCALES FOR REDUCED PLOTS

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XISTING FEATURES		PROPOSED FEATURES	EXISTING F
	DRAIN ROCK	0%	
XX	FENCE	xx	
/ 0	SUBSTATION FENCE		
560	GATE MAJOR CONTOURS	560	(
500	MINOR CONTOURS	- 500-	ТОР
			TOE
$\bigcirc\bigcirc\bigcirc\bigcirc$	SILO(S), TANK(S)		
$\overline{\bigcirc}$	TRAFFIC SIGN	_0_	N/
\odot	FIRE HYDRANT POST	\bigcirc	
\bigcirc	TREE	ŏ	
k	PALM TREE	 ○ <i>*</i> 	
	BUSH	\bigcirc	
$\bigoplus_{\mathbb{A}}$	POLE		
\bigcirc	SURVEY CONTROL POINT MANHOLE		
	MISC UTILITY		
\bigcirc	UTILITY BOX		
- À	TRAFFIC LIGHT		
\bigcirc	UTILITY JUNCTION		
<u> </u>	BILLBOARD		
	CATCH BASIN, RECT VA-TRAF-BARR-POST		RANK M
\bigcirc	COMMUNICATION ANTENNA		
oř	UTILITY VALVE		
\Diamond	SIGN, REFLECTIVE		
	MAILBOX		
\bigcirc	STORM DRAIN INLET		
	ROAD, CENTER ROAD, ALIGNMENT		
	ROAD, ALIGNMENT ROAD		
	DRIVEWAY		
	BUILDING OUTLINE		
V V V	WALL, RETAINING WALL		
	WALL, RETAINING WALL WITH CONC BARRIER	_	
P-UNK	PIPE, UNIDENTIFIED		
F-ONK			
	HEADWALL	\frown	
	CULVERT	\succ	
SAN	SANITARY SEWER UNDERGROUND PIPE SANITARY SEWER MANHOLE	SAN	
W W	WATER UNDERGROUND PIPE	w w	
G	NATURAL GAS UNDERGROUND PIPE	G	-++++++++ OR +++
FO	FIBER OPTIC LINE	F0	
E	ELEC UNDERGROUND	E	
———— E-OVH ————	ELEC OVERHEAD	——— E-OVH ———	
\bigcirc	POWER POLE		
÷	GUY WIRE GUY ANCHOR		
$\overline{\times}$	TRANSMISSION TOWER, METAL	2	\rightarrow
	CANAL		
	RAILROAD		CA
	DITCH/FLOW LINE STORM DRAIN UNDERGROUND PIPE	> SD	n n r
00	STORM DRAIN MANHOLE	(SD)	
$ \triangleleft$	SLOPE BANK, CUT		
	SLOPE BANK, FILL		
⊗ 290.00	SPOT ELEVATION	⊗ 290.00	
BORE LOCATION & #		BORE LOCATION & #	R/
🗭 AUG - #	TEST PIT LOCATION AND NUMBER DWR AUGER HOLE	LOCATION AND #	
LC - #	DWR AUGER HOLE		———— T-O
⊕ DH - #	USBR CORE HOLE		
	GEOTECHNICAL BORING	🔶 xx	
	STRUCTURE, BUILDING OR FACILITY	€ N 1000.00 E 1000.00	
	LOCATION POINT - COORDINATES	L 1000.00	
		DESIGNED BY: B. CHELONIS	<u>]</u>]200
		DRAWN BY:	2525 AIRPA
		B. CHELONIS CHECKED BY:	REDDING, C (530) 243-
		W. OHLIN	(000) 210
		IN CHARGE:	
DATE BY CHK. APPI	R. DESCRIPTION	P. RUDE	

0 \sim Э 12/1/20 DCAVE

	LEGEND A	AND SYMBOLS
G FEATURES	SLOPE PERCENT OR RISE:RUN FLOW ARROW DIRECTION ARROW WATER SURFACE PIEZOMETER	PROPOSED FEATURES
	EARTH SLOPE	
N/A	STEEL CHECKER PLATE	
	BENTONITE CEMENT GROUT	
	BENTONITE PELLET SEAL	
	CUTOFF WALL (DETAILS/SECTIONS)	
	ORIGINAL GROUND	
	AGGREGATE BASE	
	DAM/LEVEE FILL	
	DAM/LEVEE EMBANKMENT FILL	
	FINE SAND	
	CONCRETE	
	CLSM	
	ROCK SLOPE PROTECTION	
/////	ASPHALT CONCRETE PAVEMENT	
901: 02:5600.5 901: 02:5600.5	GRAVEL SURFACING	5 05: 05: 66: 05: 05: 900 8 02: 02: 860 05: 05: 900 8 02: 02: 860 05: 02: 860 05:
	CUTOFF WALL (PLANS) LIMITS OF WORK BREAK LINE PIPE BREAK LINE CENTERLINE	
++++++++ OR	SPRING LINE CENTERLINE DEMOLITION	Ψ
	STRUCTURE, BUILDING OR FACILITY	
	EXISTING PIPE TO BE ABANDONED EXISTING PIPE TO BE DEMOLISHED CONSTRUCTION CONTRACT LIMIT	••
CATV COMM 0 0	CONSTRUCTION EASEMENT CABLE TV COMMUNICATION FIRE PROTECTION WATER SUPPLY GUARD RAIL	C/E CATV CATV COMM F F F
	PROPERTY LINE CONTRACTOR STAGING BOUNDARY RIGHT OF WAY SILT FENCE	●● R/W SF
Г-ОVН ——— —Т———	TELEPHONE OVERHEAD TELEPHONE UNDERGROUND TEMPORARY CONSTRUCTION EASEMENT PERMANENT EASEMENT	T-OVH

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DR 6001

REGISTERED PROFESSIONAL ENGINEER BECKY K. CHELONIS C 59851 CALIFORNIA



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MAXWELL / SITES PUMPING AND GENERATING GENERAL CIVIL LEGEND

VERIFY SCALES

BAR IS ONE INCH ON ORIGINAL DRAWING, ADJUST SCALES FOR REDUCED PLOTS

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	1		2	3		4
		DESIG	N CRITERIA			
1.	APPLICABLE CODE: 2 AND STANDARDS.	2022 CALIFORNIA BUILDIN	IG CODE (CBC) INC	LUDING REFERENCED CODES	1.	FOR ABBRI PUBLICATI
2.	REFER TO FACILITY D REQUIREMENTS.	RAWINGS FOR ADDITION	AL AND SPECIFIC	STRUCTURE LOADINGS AND	2.	DESIGN DE OCCURRIN OUT.
3. 4.	ALL LOADS SHOWN A DEAD LOADS: SELF V	· ·	ACTORED) UNLESS	SPECIFICALLY NOTED OTHERWIS	E. 3.	VERIFY FI
4. 5.	ROOF LOADS: GROUND SNOW	LOAD, Pg	= 0 PSF		4.	
6.	ROOF LIVE LOAD		= 20 PSF		5.	WALLS AN
	PROCESS AREA ELECTRICAL AR CORRIDORS, ST WALKWAYS AND		= 200 PSF = 300 PSF 5 = 100 PSF = 100 PSF			DETAILED
7.	VEHICLE DRIVE WIND LOADS:	AREAS	= AASHTO DE	SIGN TRUCK OR DESIGN TANDEM	6.	VISITS TO WAY MEAN THE COMP
	BASIC WIND SPE	ED (3-SECOND GUST) ED (3-SECOND GUST) ED (3-SECOND GUST)	= 104 MPH, R = 100 MPH, R	RECTIONAL PROCEDURE, UNO ISK CATEGORY IV ISK CATEGORY III ISK CATEGORY II		THE JOB S
8.	FUNKS RESERVOIR S MAPPED SPECT	EISMIC LOADS: RAL RESPONSE ACCELEI	RATIONS		1.	SPECIAL IN REQUIRED INSPECTIO
	S _S S ₁	ESIGN SPECTRAL RESPO	= 0.867g = 0.359g	ONS	2.	SPECIFIED
	SITE-SFECIFICE SDS SD1		=0.TBDg =0.TBDg		3.	SPECIFIED
_	SITE CLASS SEISMIC DESIGN		= D = D		4.	FOR USE O
9.	MAPPED SPECT ^S S	NG RESERVOIR SEISMIC RAL RESPONSE ACCELEF	RATIONS = 0.841g		т. 	REQUIRED OF SPECIAI
	S ₁	ESIGN SPECTRAL RESPO	= 0.350g ONSE ACCELERATI =0.TBDg	ONS		
	S _{D1} SITE CLASS		=0.TBDg = D		1. 2.	REFER TO C
10.	SEISMIC DESIGN RISK CATEGORY	CATEGORY	= D = SEE FACILI	TY DRAWINGS	3.	EXISTING S
11.	IMPORTANCE FACTO	R	= SEE FACILI	TY DRAWINGS		PRIOR TO P VERIFY IF T TEST PITS A
12. 13.	LATERAL FORCE-RES	SISTING SYSTEM OIL DESIGN PARAMETER		TY DRAWINGS	4.	NO BACKFIL PERCENT A
10.	NET ALLOWABLE	E SOIL BEARING PRESSU (GW) ELEVATION:	RES: = TBD PSF (S = EL 205.0	HALLOW FOUNDATIONS)		SPECIFIED 2 INCLUDING
		AINED FLUID PRESSURE	= TBD PCF = TBD PCF		5.	NO BACKFIL HAS ATTAIN
	ACTIVE: AT REST:	IDRAINED FLUID PRESSU	= TBD PCF = TBD PCF		6.	USE OF EXF
	PASSIVE: DYNAMIC FLUID YIELDING V	PRESSURES: VALLS LATERAL FORCE: ING WALLS:	= TBD PCF = TBD H_LBS	(APPLIED AT 0.6H)	1.	STRUCTURE
	WHERE H I	S HEIGHT OF SOIL ADJAC	CENT TO THE WALL			CONDITION FOR STABIL WORK RELA
	MODULUS OF SU NATIVE SOIL UN	HARGE: FRICTION: JBGRADE REACTION IT WEIGHT NG EMBEDMENT DEPTH:	= 0.16D = TBD PCI (1 = TBD PCF = TBD IN	FT SQUARE PLATE)		SCAFFOLDI SHOWN.
14.	TERMINAL REGULATI	NG RESERVOIR SOIL DES	GIN PARAMETERS	:	2.	TEMPORAR
	GROUNDWATER MAXIMUM I	: (GW) ELEVATION: HIGH GW	= EL 124.0	HALLOW FOUNDATIONS)	3.	CYLINDER E "BURY" BAR
	ACTIVE: AT REST: PASSIVE:	AINED FLUID PRESSURE	5. = TBD PCF = TBD PCF = TBD PCF			ALL ELEVAT
		DRAINED FLUID PRESSU				
		PRESSURES: VALLS LATERAL FORCE:	= TRD PCF	(APPLIED AT 0.6H)		
	WHERE H I	S HEIGHT OF SOIL ADJAC	ENT TO THE WALL			
	COEFFICIENT OI MODULUS OF SU NATIVE SOIL UN	HARGE: FRICTION: JBGRADE REACTION IT WEIGHT	= 0.TBD = TBD PCI (1 = TBD PCF	FT SQUARE PLATE)		
15.	FACTOR OF SAFETY I	NG EMBEDMENT DEPTH:	RESISTANCE:	4		
	NORMAL OPERA SCHEDULED MA EXTREME MAIN	INTENANCE	FOS = 1.5 MINIMUN FOS = 1.25 MINIMUN FOS = 1.1 MINIMUN	Μ		
				DESIGNED BY: J. KELLOGG	 	
				DRAWN BY: S. METCALF CHECKED BY:		2525 AIRPARK DR REDDING, CA 9600 (530) 243-5831
				H. HENRIKSON IN CHARGE:		(300) 2 70-000 I
				P. RUDE DATE: 01-26-2024		

	5		6	3		7			
	GENERAL IN	IFORMATION						CO	NCRE
	ISTED, SEE ASME Y1	4.38 "ABBREVIATIONS AN SOCIETY OF MECH/			1.		ING STEEL: CAL: ASTM A6 DED: ASTM A70	 15, GRA	DE 60
		AND SHALL APPLY TO THER OR NOT THEY A			2.	FABRICATI	ON AND PLACEN		F REINF
S PRIOR TO CONS	STRUCTION OF THES	SLABS, AND DECKS W E ELEMENTS. /OR LOCATION OF EQI			3.	WHEN CAS INTERIOR,	E COVER FOR RE T AGAINST EAR DRY, HUMIDITY LS AND SLABS:	TH:	
E DRAWINGS. CO	ORDINATE WITH EQU	JIPMENT SUPPLIER PE	RIOR TO PLACI	ŃG SLABS,		BEAN	I STIRRUPS AND NCRETE SURFA		MN TIES
OR APPROVED IN	NWRITING BY THE EN	S FOR PIPES, DUCTS, IGINEER. DBSERVE THE CONSTR			4.	CORNER R REFERENC	WALL CORNER A EINFORCING SIZ ED TO THIS DET ORIZONTAL REI	ZES ANI TAIL. TY	D SPAC PICAL H
N THAT ENGINEEF	R IS GUARANTOR OF	CONSTRUCTOR'S WO	RK, NOR RESF	ONSIBLE FOR	5.	90 DEGREE	E BENDS, UNLES	S OTHE	ERWISE
					6.	CONNECTI OUTSIDE F	TING CORNER A NG FOOTINGS A ACE WALL FOO ⁻ REINFORCEMEN ⁻	ND LAP FING RE	PED ON
		AIVE THE RESPONSIBI			7.	LAP VERTIO	CAL WALL BARS	WITH D	
N DURING CONST	RUCTION WILL BE O				8.	SIZE TO MA	BARS WITH MAT ATCH TYPICAL V .EVATED SLAB A	ERTICA	L REIN
ORMANCE TO SPE	ECIFICATIONS, AND S	AR TEST RESULTS TO SUBMITTED FOR REVIE ONSIBILITY OF THE CO	EW PRIOR TO A	-	9.	SUPPORTS			
IN ACCORDANCE		RAL OBSERVATION (O S 110 AND 1704 AS IND S [xxx] TO [xxx].			10	REINFORC	ORTS WITH SPACE ING OFF GRADE	DURIN	G CONC
	FOUNDA	ATIONS					OPENING REINF		
GEOTECHNICAL D	ATA REPORT NO. TB				11.		EMENT BENDS A EQUIREMENTS:		PS, UNL
	ORED TO PREVENT S ADS, UTILITIES, ETC.	UBSIDENCE AND DAM	AGE TO ADJAO	CENT		-	E DESIGN STRE		1
N BEARING SURF	ACES SHALL BE OBS	SERVED BY THE GEOT	ECHNICAL ENG	GINEER		BAR SIZE	E LENGTH ***	#3	#4
	SED SUBGRADE IS A	ORCING STEEL. THE C AS ANTICIPATED BY TH				SPACING = 3"	TOP BAR * OTHER BAR	1'-4" 1'-4"	1'-8" 1'-4"
L SHALL BE PLAC	CED BEHIND WALLS U	INTIL THE WALL'S CON	NCRETE HAS A	TTAINED 100		SPACING = 4"		1'-4"	1'-8"
28 DAY COMPRES		ETE HAS ATTAINED 80 R UNTIL TOP-OF-WALL				SPACING ≥ 6"	OTHER BAR TOP BAR * OTHER BAR	1'-4" 1'-4" 1'-4"	1'-4" 1'-8" 1'-4"
	,	VERED, FREE TOP, W	ALLS UNTIL TH	E CONCRETE			NT LENGTH		
IED 100 PERCENT	OF ITS SPECIFIED 28	8 DAY COMPRESSIVE	STRENGTH.			SPACING = 3"	TOP BAR * OTHER BAR	<u>1'-0"</u> 1'-0"	1'-3" 1'-0"
PLOSIVES IS ONLY	Y ALLOWED WITH WR	TTEN PERMISSION F	ROM ENGINEE	R.		SPACING	TOP BAR *	1'-0"	1'-3"
						= 4"		1'-0"	1'-0"
ES SHOWN ON TH	IE DRAWINGS HAVE E	ING, AND BRAC	 STABILITY UNE			SPACING ≥ 6"	TOP BAR * OTHER BAR	1'-0" 1'-0"	1'-3" 1'-0"
ITY OF THE STRU TING TO CONSTR	CTURES DURING CO	NCLUDE NECESSARY (NSTRUCTION. CONTR METHODS, BRACING, S IDS REQUIRED TO SAI	RACTOR IS RES SHORING, RIGO	SPONSIBLE FOR GING, GUYS,		THA POU	BARS SHALL BE N 12" OF CONCF R. HORIZONTAI ERE 3,000 PSI CO	RETE IS _ WALL	CAST II BARS A
		JNTIL ELEVATED CON IPRESSIVE STRENGTH				<i>жж</i> LAP	LENGTHS ARE E REQUIRED FOF	BASED	
	RE NOT ALLOWED FO	WED FOR THE BOTTO OR THE TOP MATS OF							

DS. ר(

REGISTERED PROFESSIONAL ENGINEER JEREMY KELLOGG 5698 CALIFORNIA



RETE REINFORCING

FORCING STEEL SHALL BE IN ACCORDANCE WITH CRSI ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE".

UNLESS SHOWN OTHERWISE, SHALL BE: .3"

AREAS:	0
-	3/4"
S:	1 1/2"
	2"

ERSECTION REINFORCING STANDARD DETAIL. WALL CINGS SHALL BE AS SHOWN ON THE DRAWINGS AND HORIZONTAL WALL REINFORCING SHALL LAP WITH THE

E SHOWN, SHALL BE ACI 318 STANDARD HOOKS.

TION REINFORCEMENT BARS SHALL BE EXTENDED INTO IN THE OPPOSITE FACE OF THE CONNECTING FOOTING. RCEMENT SHALL BE LAPPED WITH CORNER BARS. ALL WALL ONTINUOUS THROUGH COLUMNS OR PILASTERS FOOTINGS.

S FROM BASE SLABS AND EXTEND INTO TOP FACE OF ROOF RCEMENT. PROVIDE A MINIMUM OF FOUR FULL HEIGHT LS AT WALL ENDS, CORNERS AND INTERSECTIONS WITH FORCING STEEL SHOWN OR REQUIRED BY NOTES ABOVE.

P BAR SPLICES AT MIDSPAN AND BOTTOM BAR SPLICES AT

ND SLABS ON GRADE SHALL BE ADEQUATELY SUPPORTED ON REINFORCING ABOVE THE PREPARED GRADE. LIFTING ICRETE PLACEMENT IS NOT PERMITTED.

NDARD DETAILS.

LESS OTHERWISE NOTED, SHALL SATISFY THE FOLLOWING

D	PSI ** GRADE 60 REINFORCING STEEL								
	#5	#6	#7	#8	#9	#10	#11		
	2'-1"	3'-0"	5'-2"	6'-8"	8'-6"	10'-10"	13'-4"		
	1'-8"	2'-4"	4'-0"	5'-2"	6'-7"	8'-4"	10'-3"		
	2'-0"	2'-5"	3'-10"	5'-0"	6'-5"	8'-1"	10'-0"		
	1'-7"	1'-10"	3'-0"	3'-11"	4'-11"	6'-3"	7'-8"		
	2'-0"	2'-5"	3'-6"	4'-0"	5'-0"	6'-2"	7'-5"		
	1'-7"	1'-10"	2'-9"	3'-1"	3'-10"	4'-9"	5'-8"		
	1'-8"	2'-4"	4'-0"	5'-2"	6'-7"	8'-4"	10'-3"		
	1'-3"	1'-10"	3'-1"	4'-0"	5'-1"	6'-5"	7'-11"		
	1'-7"	1'-10"	3'-0"	3'-11"	4'-11"	6'-3"	7'-8"		
	1'-3"	1'-5"	2'-4"	3'-0"	3'-10"	4'-10"	5'-11"		
	1'-7"	1'-10"	2'-9"	3'-1"	3'-10"	4'-9"	5'-8"		
	1'-3"	1'-5"	2'-1"	2'-5"	3'-0"	3'-8"	4'-5"		

ANY HORIZONTAL BARS PLACED SUCH THAT MORE IN THE MEMBER BELOW THE BAR IN ANY SINGLE ARE CONSIDERED TOP BARS.

ISED, INCREASE ABOVE LENGTHS BY 16%.

NIMUM CONCRETE COVER OF 2". LONGER LENGTHS COVER LESS THAN 2".

SITES RESERVOIR

MAXWELL / SITES PUMPING AND GENERATING GENERAL **STRUCTURAL NOTES 1**

DRAWING, ADJUST SCALES FOR REDUCED PLOTS 0 _____ 1' DRAWING NO. MPG-0001-G-0301 비 SHT 6 OF 29 십 MPG-0001-G-0301

VERIFY SCALES

BAR IS ONE INCH ON ORIGINAL

	1		2		3		4
-		CAST		CONCRETE			
1.	28-DAY COMPRESS HYDRAULIC STRUCT BUILDING STRUCT CONCRETE FILL: CURBS AND SIDEW DUCT BANKS AND F NOT INTEGRAL WIT	CTURES: JRES: /ALKS: PIPE ENCASEMEI	4,500 4,000 3,500 3,500 NTS	PSI PSI PSI PSI	GTH REQUIREMENTS):		D1.1 D1.2 D1.3 D1.4 D1.6
2.					MENTS FOR ACI 318 A		
	HYDRAULIC STRUC BUILDING STRUCTU CONCRETE FILL:		5,000 4,500 4,000	PSI		3.	USE INTE ANGLES
	CURBS AND SIDEW DUCT BANKS AND F NOT INTEGRAL WIT	PIPE ENCASEME	4,000 NTS	PSI		4.	BUTT JOII
3.		OF WATER HOLD			LL CONSTRUCTION JO		STRUCTL W-S MIS
4.		TS, SUBJECT TO	SPECIFIED REQU	JIREMENTS. LAY	CONTRACTOR MAY RE YOUT SHOWING ALL EW BY ENGINEER.	EVISE	ANO SQU STE STA
5.		T CONCRETE, EX			S AS SPECIFIED PRIOF 1/4" AMPLITUDE SOLII		
6.	COORDINATE PLAC CONDUITS, BOLTS				RBS, DOWELS, SLEEVE ETE.	ES, 3.	
7.	NO ALUMINUM CON INJURIOUS TO THE				ANY OTHER MATERIA	AL 4.	FASTENE SPECIFIC
8.	CONDUIT SHALL NO SPECIFICALLY INDI			EAM OR COLUMN	N REINFORCEMENT UN	NLESS	UNL ANG
9.	PATCH FORM TIE H	IOLES IN ACCORI	DANCE WITH STA	NDARD DETAILS	S.		MAG
		CON			Y	5.	ITEMS TC
1.	MASONRY WALL TY				<u> </u>	6.	NO HOLE
2.	DESIGN COMPRES		f'm, OF THE FINIS	SHED ASSEMBL	Y AND MATERIAL PRO	PERTIES	WRITTEN
3.	MORTAR: ASTM C2	-	RATED.			7.	NOTED O
4.	GROUT: ASTM C47 PERMITTED.	6 COARSE GROU	JT. USE OF WATE	R REDUCERS O	R SUPERPLASTICIZER	S IS NOT	ZINC RICI
5.	CONCRETE MASON 0.065 PERCENT.	NRY UNITS: ASTN	/I C90, MEDIUM W	EIGHT, LINEAR S	SHRINKAGE SHALL NC	DT EXCEED	JOISTS SI
6.	DESIGN		GROUT	MORTAR			SPECIFIC
	COMPRESSIVE STRENGTH f 'm (PSI)	STRENGTH (PSI)	STRENGTH (PSI) MIN / MAX	PROPERTIES		2.	SEE ROOI
	2,000	2,000	2,000 / 3,500	TYPE S	_	0.	TO BE ALI DRAWING
7.	PLACE COURSES II		INS AND PILASTE			4.	CONSTRU VERIFY A
8.			,				PRIOR TO VERTICAL
9.	PROVIDE VERTICA	L BARS AND DOV	VELS WITH LAP LE	ENGTHS AS SHC	OWN IN DETAIL 0422-00)4.	AND BRAG
10.	STAGGER ADJACE	NT LAP SPLICES	BY 24 INCHES WI	HEN SEPARATED	D BY 3 INCHES OR LES	SS. 5.	JOIST SIZ
11.	DETAIL 0422-004.				OPENINGS AS SHOWN	6.	MANUFAC DESIGN J STRUTS F
12.	SHOWN IN DETAIL	0422-001.			RS AND INTERSECTIO	7.	-
13. 14.	DETAIL 0422-001.			-	P LENGTHS AS SHOWI		ALL TYPE REGISTEF JOIST BRI
15.	SHOWN IN DETAIL	0422-002. GHT VERTICAL B	ARS WITH MATCH		N CELLS ADJACENT TO)	MANUFAC WALLS, S
16.	OPENINGS AS SHO GROUTING: SOLID					9.	JOISTS SH UNLESS N
17.	DO NOT PLACE CO			ALLEL REINFOR	CEMENT.		
		-					
					SIGNED BY:		
					J. KELLOGG		acah

							J. KELLOGG	lacoh
							DRAWN BY: S. METCALF	2525 AIRPARK DR REDDING, CA 9600
							CHECKED BY: H. HENRIKSON	
- -							IN CHARGE: P. RUDE	
	REV	DATE	BY	СНК.	P.RU APPR.	DESCRIPTION	DATE: 01-26-2024	

4	5		6		7		
+	5		6		/		
	WELDING	2					
S SHALL CONFORM TO AMI		—				1.	FOR DECK SIZE, G
01.1, STRUCTURAL WELDIN 01.2, STRUCTURAL WELDIN 01.3, STRUCTURAL WELDIN	IG CODE – STEEL IG CODE – ALUMINUM IG CODE – SHEET STEE	E	T EDITION.			1.	CONFIGURATIONS CONTRACTOR SHA MANUFACTURER'S
D1.4, STRUCUTRAL WELDIN D1.6, STRUCTURAL WELDIN						2.	WELDING SHALL E STEEL".
R WELDS FOUND DEFECTIV	VE IN ACCORDANCE WI	TH AWS D1.1 CLAU	JSE 7.25.			3.	DECKING SHALL H
ITERMITTENT WELDS AND ES TO AVOID SPALLING OR				EMBED PLATES /	AND	4.	DECKING SHALL B
IOINT AND GROOVE WELD				IDICATED OTHEF	RWISE.		OTHERWISE.
STRUCTURA	AL STEEL AND M	IFTAL FABRI				5.	LOCATE OPENING
CTURAL STEEL SHALL CON							
W-SHAPES AND CHANNELS MISCELLANEOUS SHAPES ANGLES, PLATES, ETC. SQUARE OR RECTANGULA STEEL PIPE STAINLESS STEEL SHAPES	3 INCLUDING R STEEL TUBING	A992 A572 A500, GRADE C A53, GRADE B A276					DEFERRED SUBMIT
NUM SHALL CONFORM TO STRUCTURAL SHAPES PLATES	THE FOLLOWING STAN						THE FOLLOWING IS CALCULATIONS OR REQUIREMENTS FO ELEMENT, EQUIPME REQUIRED CALCULA
CTURAL STEEL SHALL BE F EEL CONSTRUCTION, CUR) MANUAL			SPECIFICATION SECTION
NERS SHALL BE HIGH STR FICALLY INDICATED OTHER		RMING TO THE FOI	LLOWING EXCEPT W	HERE			01 88 15
JNLESS SHOWN OTHERWI		F3125, GRADE A32	25, TYPE1				05 21 19
ANCHOR BOLTS (AB) STAINLESS STEEL			04 OR 316, CONDITIO	NCW			33 16 13.12
STEEL GALVANIZED STEEL		F1554, GR 36 F1554, GR 36 / A15	53				40 05 15 OTHER
MACHINE BOLTS (MB)		A307, GRADE B					OTHER
TO BE EMBEDDED IN CON							
LES OTHER THAN THOSE MEMBERS. NO CUTTING EN APPROVAL OF JACOBS	OR BURNING OF STRUC						
TEEL MEMBERS EXPOSED O OTHERWISE. MEMBERS T RICH COATING AFTER COM	THAT ARE WELDED AFT	ER GALVANIZING	SHALL BE TOUCHED				
OPEN	NEB METAL JOI	ST FRAMING	2				
S SHALL BE DESIGNED, FAE FICATIONS OF THE AISC AN			E WITH THE STANDA	\RD			
OOF FRAMING PLANS FOR	DESIGN LOADS.						
INDICATED ON THE DRAW ALL LOADS APPLICABLE TO NGS WHICH WOULD BE INO RUCTION LOADS, SHALL E	O THE DESIGN OF THE . CLUDED IN COMMON PI	JOISTS. DEAD LOA RACTICE, INCLUDI	ADS INFERRED BY TH	HE			
Y AND COORDINATE EQUIP TO JOIST FABRICATION. C CAL AND LATERAL SUPPOP RACING JOIST MANUEACT	CONTRACTOR SHALL BE RT OF EQUIPMENT AS S	E RESPONSIBLE FOR	OR THE DESIGN OF T TON 01 88 15, ANCHC	THE DRAGE			

CING. JOIST MANUFACTURER SHALL COORDINATE AND SUPPLY ADDITIONAL DIAGONAL WEB S AT CONCENTRATED LOAD LOCATIONS. ZES AND CHORD SIZES INDICATED ON THE PLANS ARE MINIMUM ONLY. DESIGN BY THE JOIST CTURER MAY RESULT IN A LARGER SIZE. JOISTS SHALL HAVE DOUBLE ANGLE CHORDS.

JOIST TOP CHORD AT END OF ROOF SUB-DIAPHRAGMS AND JOISTS DESIGNATED AS DRAG FOR ADDITIONAL AXIAL LOAD (BOTH TENSION AND COMPRESSION) AS INDICATED ON THE AMING PLANS.

E CALCULATIONS, PRODUCT DATA, MATERIAL PROPERTIES, CONNECTION DETAILS, ETC FOR ES OF JOISTS. CALCULATIONS SHALL BE STAMPED AND SIGNED BY AN ENGINEER RED IN THE STATE OF CA.

RIDGING, BOTTOM CHORD BRACING, AND OTHER ACCESSORIES SHALL BE PER THE CTURER'S STANDARDS AND AS INDICATED ON THE DRAWINGS. BRACING SHALL EXTEND TO SEE DETAIL 0521-022.

HALL BE CAMBERED FOR DEAD LOAD AS REQUIRED BY SJI. PROVIDE STANDARD SJI CAMBER NOTED OTHERWISE. JOIST CAMBER SHALL BE SHOWN ON SHOP DRAWINGS.

)S

REGISTERED PROFESSIONAL ENGINEER JEREMY KELLOGG 5698 CALIFORNIA



STEEL DECKING , GAGE, AND FASTENING CONFIGURATIONS, SEE FRAMING PLANS. FASTENING NS SHOWN ARE SPECIFIC TO THE DECK PRODUCT USED AS BASIS OF DESIGN. HALL FASTEN THE DECKING IN ACCORDANCE WITH INSTALLED DECK R'S RECOMMENDATIONS TO MEET SPECIFIED CAPACITY REQUIREMENTS.

BE IN ACCORDANCE WITH AWS D1.3 "STRUCTURAL WELDING CODE SHEET

. HAVE A MINIMUM 1 1/2 INCHES BEARING ON SUPPORTS.

BE CONTINUOUS OVER THREE SPANS MINIMUM, EXCEPT WHERE SHOWN

IGS FOR EQUIPMENT PER OTHER DISCIPLINE DRAWINGS.

DEFERRED SUBMITTALS

ITTALS ARE THOSE PORTIONS OF THE DESIGN WHICH ARE NOT SUBMITTED AT THE APPLICATION AND WHICH ARE TO BE SUBMITTED TO THE PERMITTING AGENCY FOR IOR TO INSTALLATION OF THAT PORTION OF THE WORK.

IS A LIST OF DEFERRED SUBMITTALS THAT ARE EXPECTED TO CONTAIN STRUCTURAL R SAFETY RELATED SYSTEM INFORMATION FOR REVIEW TO MEET BUILDING PERMITTING FOR DESIGNED SYSTEMS. PRIOR TO INSTALLATION OF THE INDICATED STRUCTURAL MENT, DISTRIBUTION SYSTEM, OR COMPONENT OR ITS ANCHORAGE, SUBMIT THE JLATIONS AND SUPPORTING DATA AND DRAWINGS FOR REVIEW AND ACCEPTANCE.

ITEM

ANCHORAGE AND BRACING

OPEN WEB STEEL JOIST FRAMING

BOLTED STEEL STORAGE TANK

PIPING SUPPORT SYSTEMS

ANY EQUIPMENT OR COMPONENT IN WHICH A TECHNICAL SPECIFICATION REQUIRES SUBMITTAL OF EQUIPMENT OR ANCHORAGE SYSTEM CALCULATIONS

SITES RESERVOIR MAXWELL / SITES PUMPING AND GENERATING

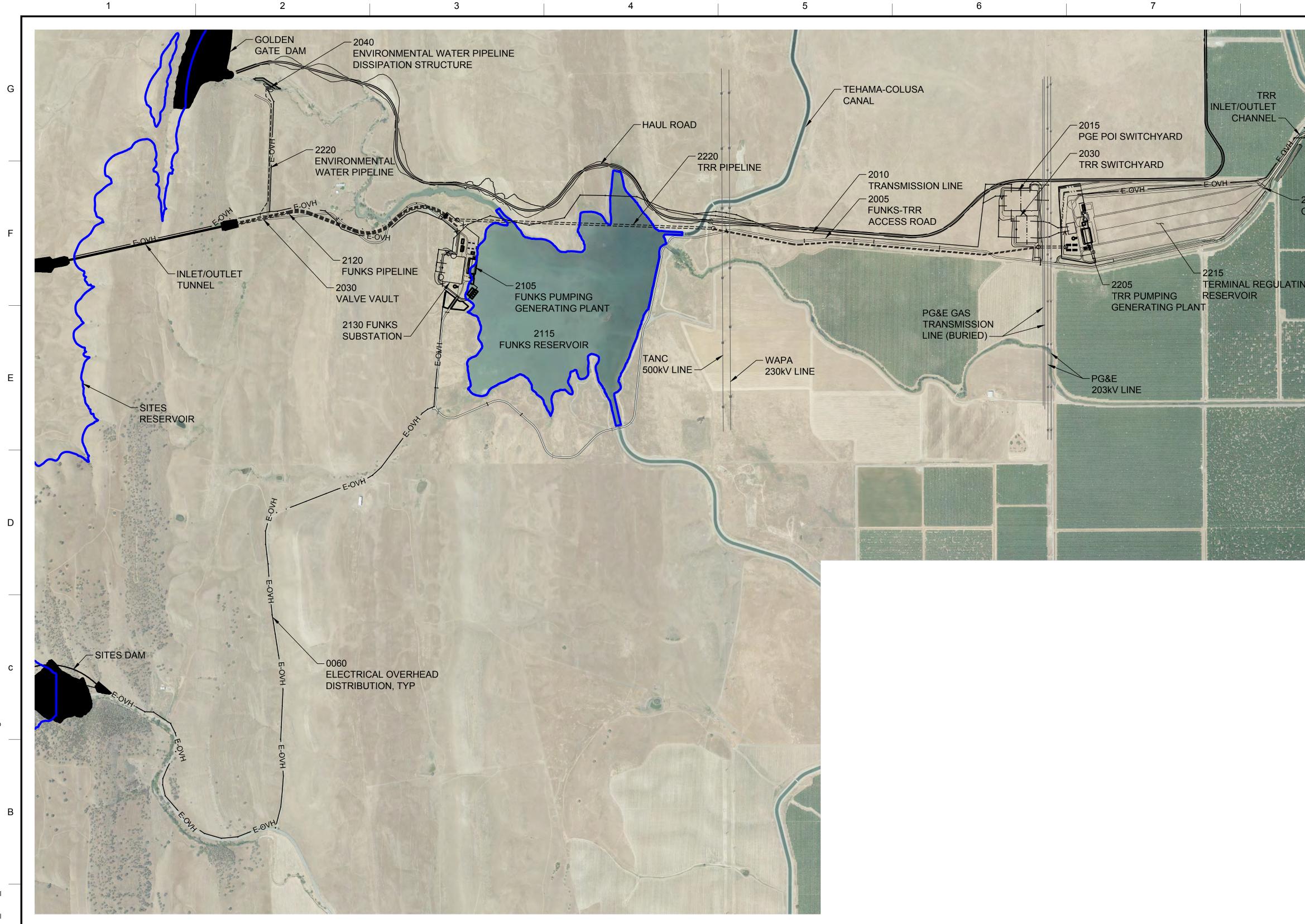
GENERAL STRUCTURAL NOTES 2

DRAWING, ADJUST SCALES FOR REDUCED PLOTS 0 _____ 1" DRAWING NO. MPG-0001-G-0302 SHT 7 OF 29

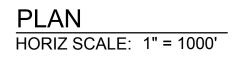
VERIFY SCALES

BAR IS ONE INCH ON ORIGINAL

0 RUC⁻ CONS⁻ Ř



						DESIGNED BY: B.CHELONIS	-lacok
						DRAWN BY: B. CHELONIS	- JACON 2525 AIRPARK D REDDING, CA 960
						CHECKED BY: W. OHLIN	REDDING, CA 960 (530) 243-5831
						IN CHARGE: P. RUDE	—
REV	DATE	BY	СНК.	APPR.	DESCRIPTION	DATE: 01-26-2024	_



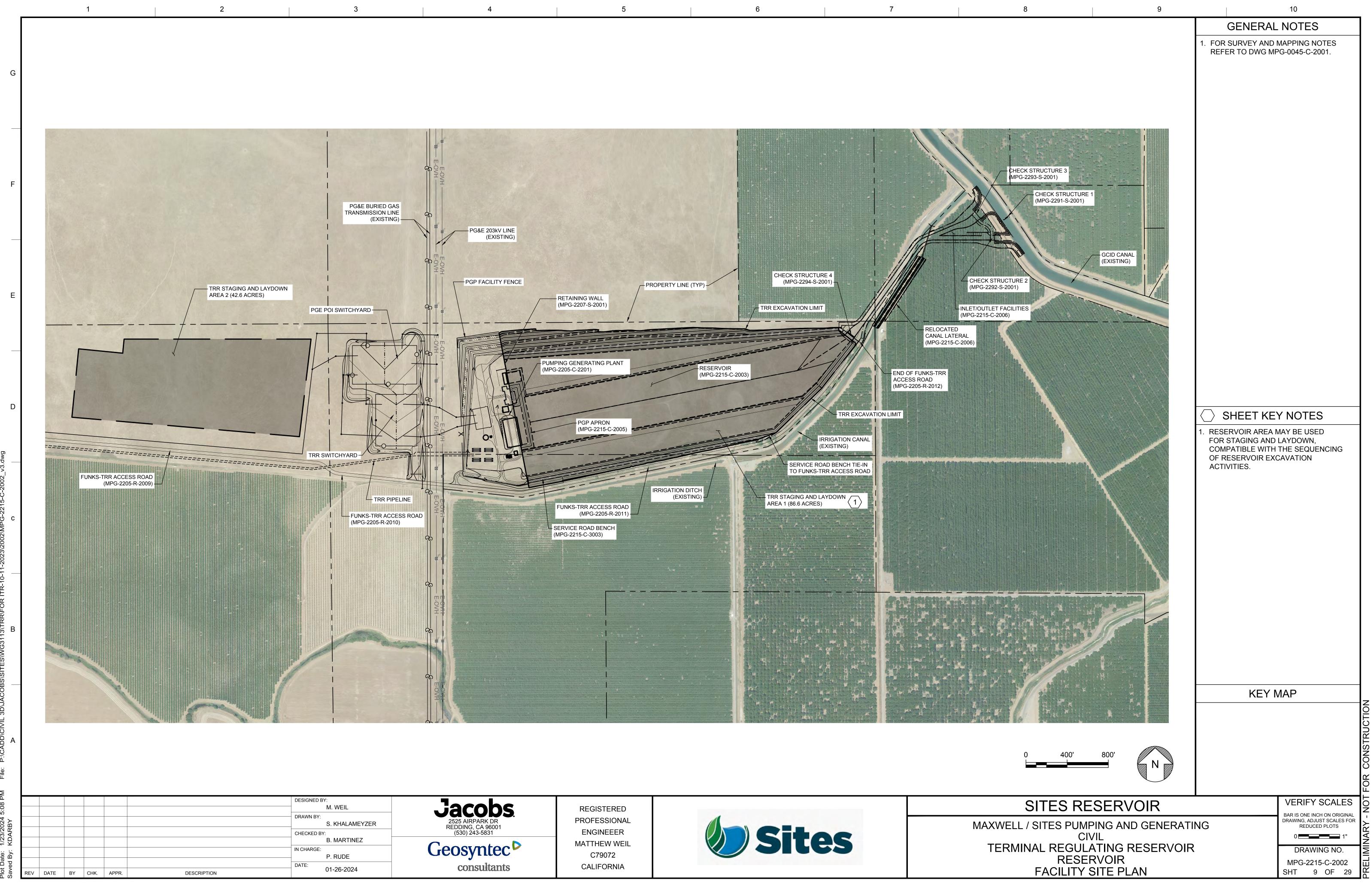


REGISTERED PROFESSIONAL ENGINEER **BECKY K CHELONIS** C 59851 CALIFORNIA

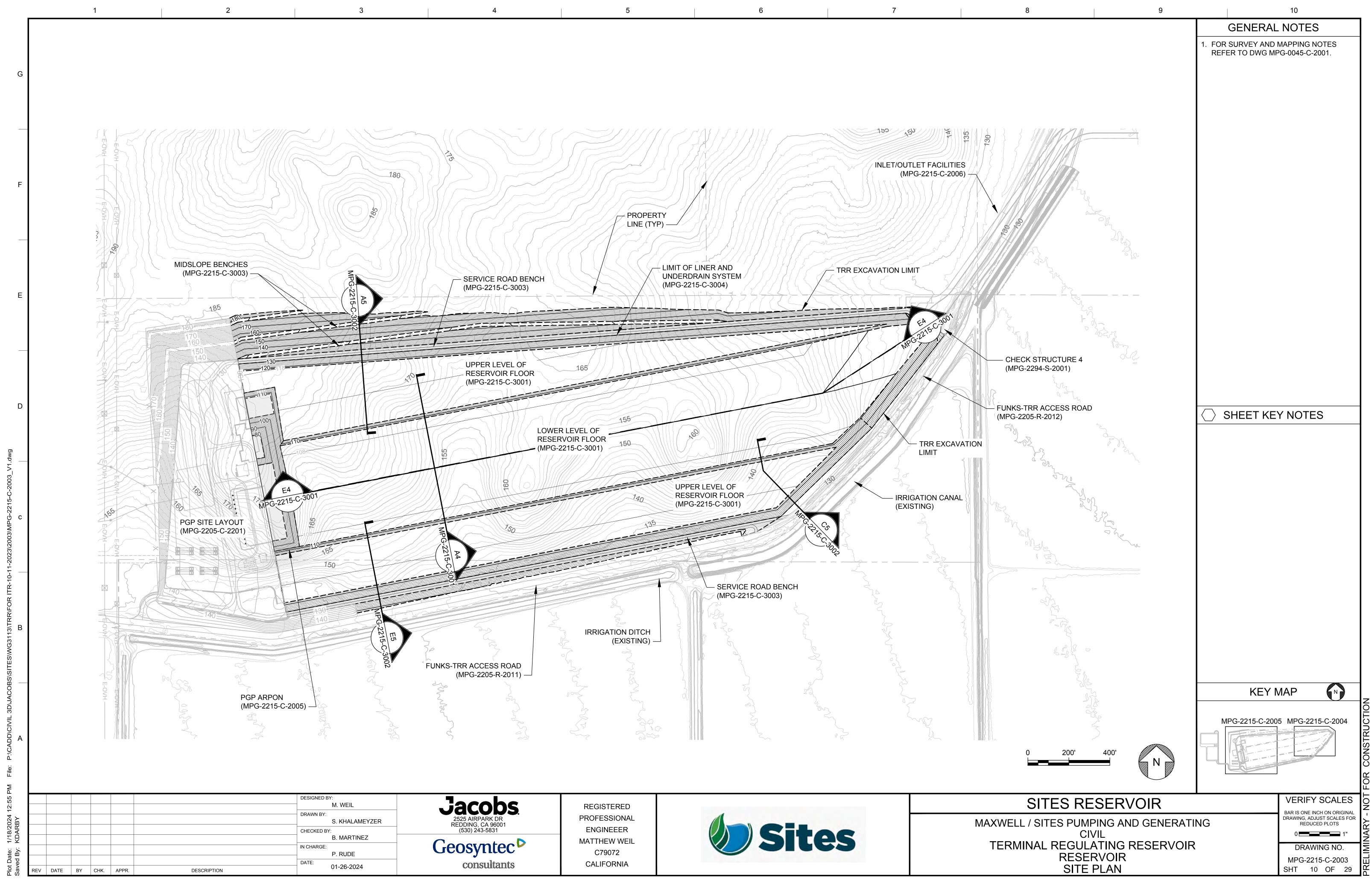


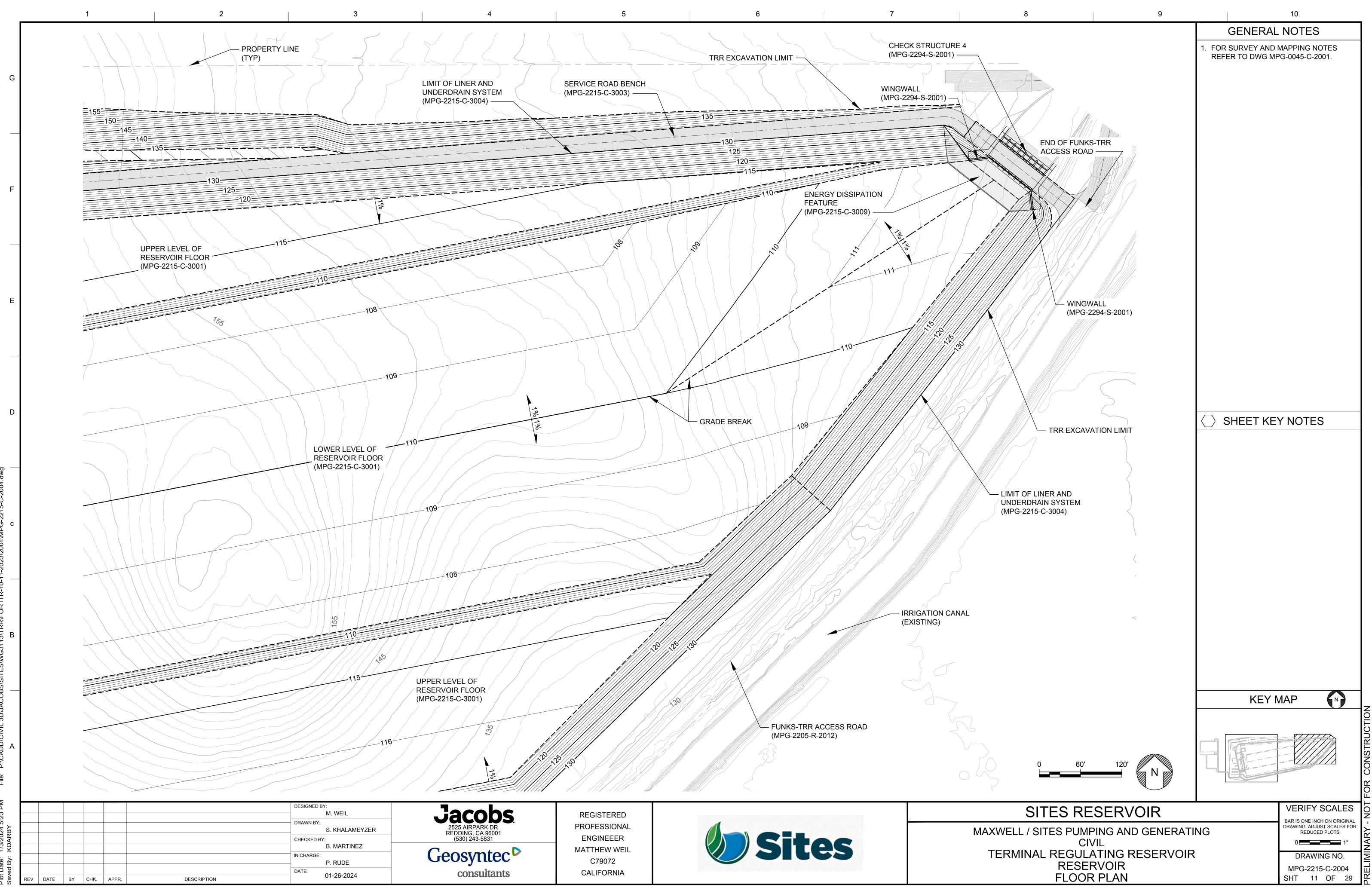
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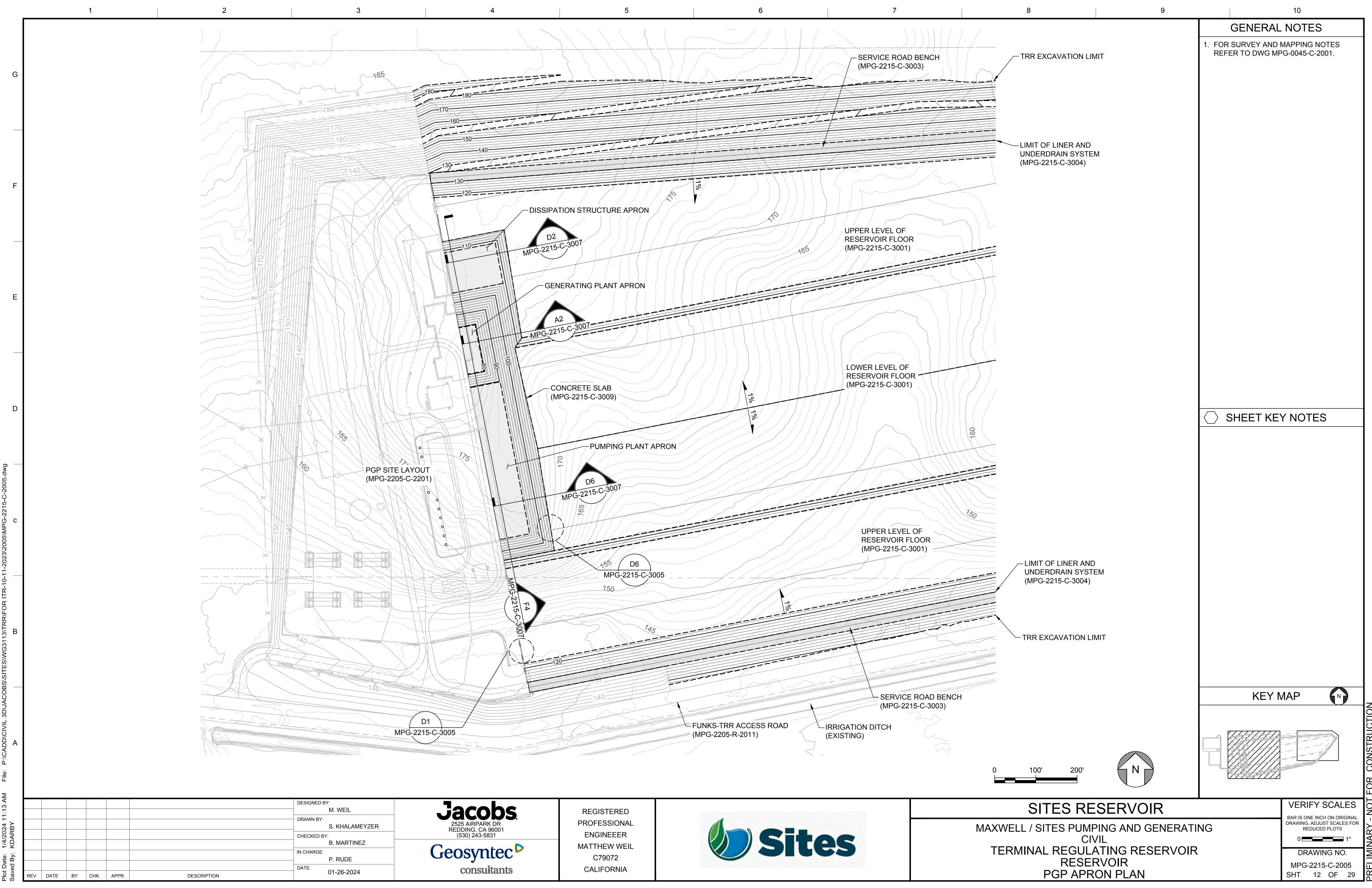
8 9	10
	GENERAL NOTES
-2293 CHECK STRUCTURE 3 -2291 CHECK STRUCTURE 1	 AERIAL PHOTOGRAPHY WAS FLOWN ON MAY 13 AND 14, 2022 BY GEOTERRA, INC. AND WAS DELIVERED TO JACOBS IN SEPTEMBER 2022.
-2292 CHECK STRUCTURE 2 -GCID CANAL	2. MAPPING WAS COMPILED BY R.E.Y. ENGINEERS, INC. FROM AERIAL LIDAR DATA, COLLECTED BY GEOTERRA, INC. ON FEBRUARY 8 AND 9, 2022, AND SUPPLEMENTAL GROUND SURVEY AND BATHYMETRY PERFORMED BY R.E.Y ENGINEERS.
2294 CHECK STRUCTURE 4 NG	3. HORIZONTAL DATUM: 2011 REALIZATION OF THE NORTH AMERICAN DATUM OF 1983 (NAD83(2011)), EPOCH 2017.50. MAPPING PROJECTION IS US STATE PLANE COORDINATES, CALIFORNIA ZONE 2, SURVEY FEET.
	4. VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88), GEOID18.
	5. SOURCE OF BATHYMETRY IN FUNKS RESERVOIR: R.E.Y. ENGINEERS, INC CONDUCTED THE BATHYMETRIC SURVEY IN SEPTEMBER OF 2020. DATA COLLECTION WAS BY EXTENDED RANGE-POLE WITH GPS RTK ROVER FROM A RAFT. DENSE VEGETATION IN THE RESERVOIR PREVENTED USE OF SONAR.
	6. SITES PROJECT JOINT POWERS AUTHORITY GPS CONTROL NETWORK ESTABLISHED IN JANUARY 2023 RECORD OF SURVEY IS RECORDED WITH COLUSA COUNTY RECORDS, DOCUMENT NUMBER 2023-0001608 AND WAS FILED JUNE 27, 2023.
	ONSTRUCTION
0 1000' 2000' N	FOR C
SITES RESERVOIR	BAR IS ONE INCH ON ORIGINAL
ELL / SITES PUMPING AND GENERATI CIVIL	NG DRAWING, ADJUST SCALES FOR REDUCED PLOTS 0 1"
OVERALL LOCATION AND SURVEY CONTROL PLAN	DRAWING NO. MPG-0045-C-2001 SHT 8 OF 29



1/23/3 KDA

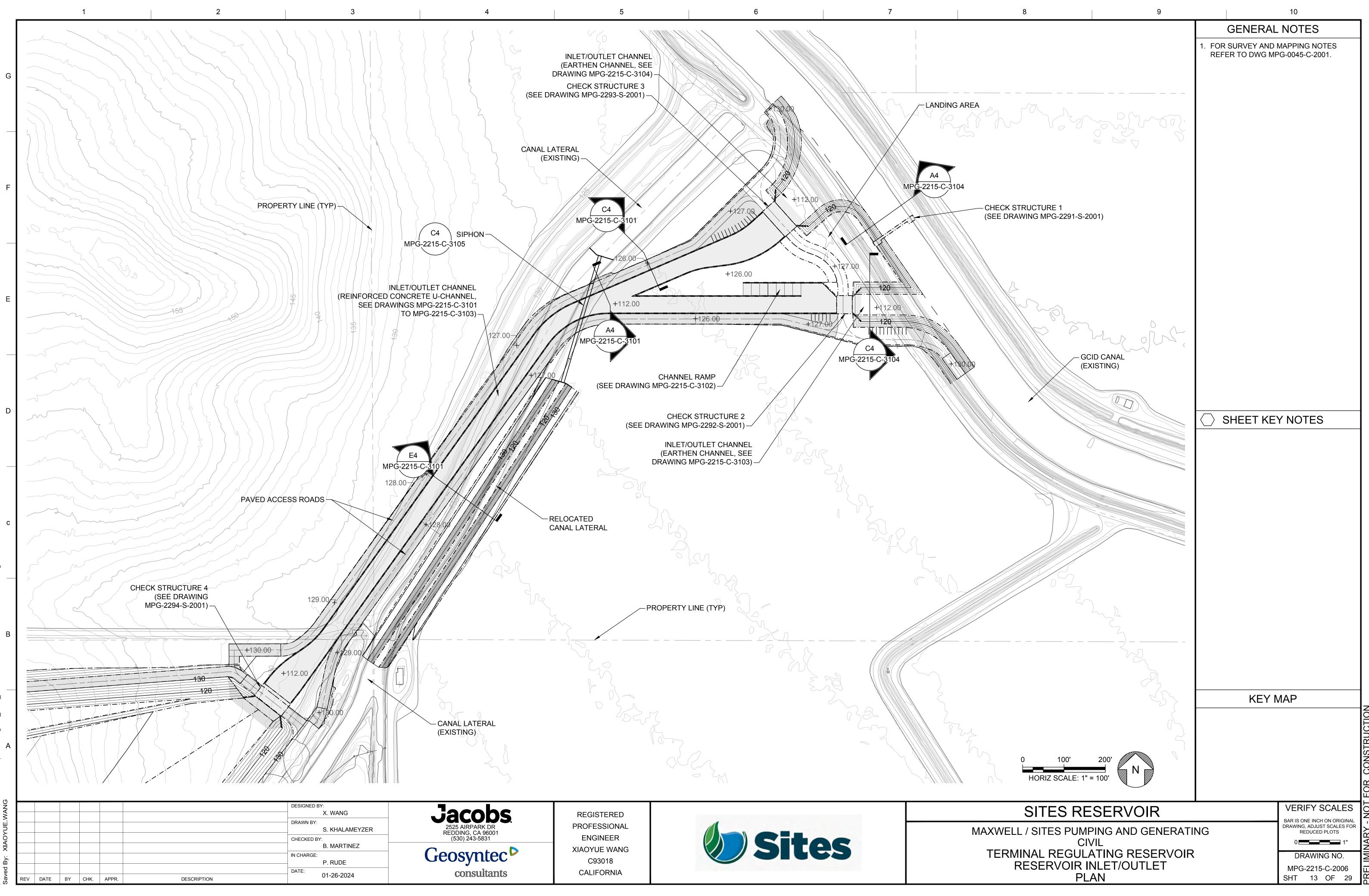






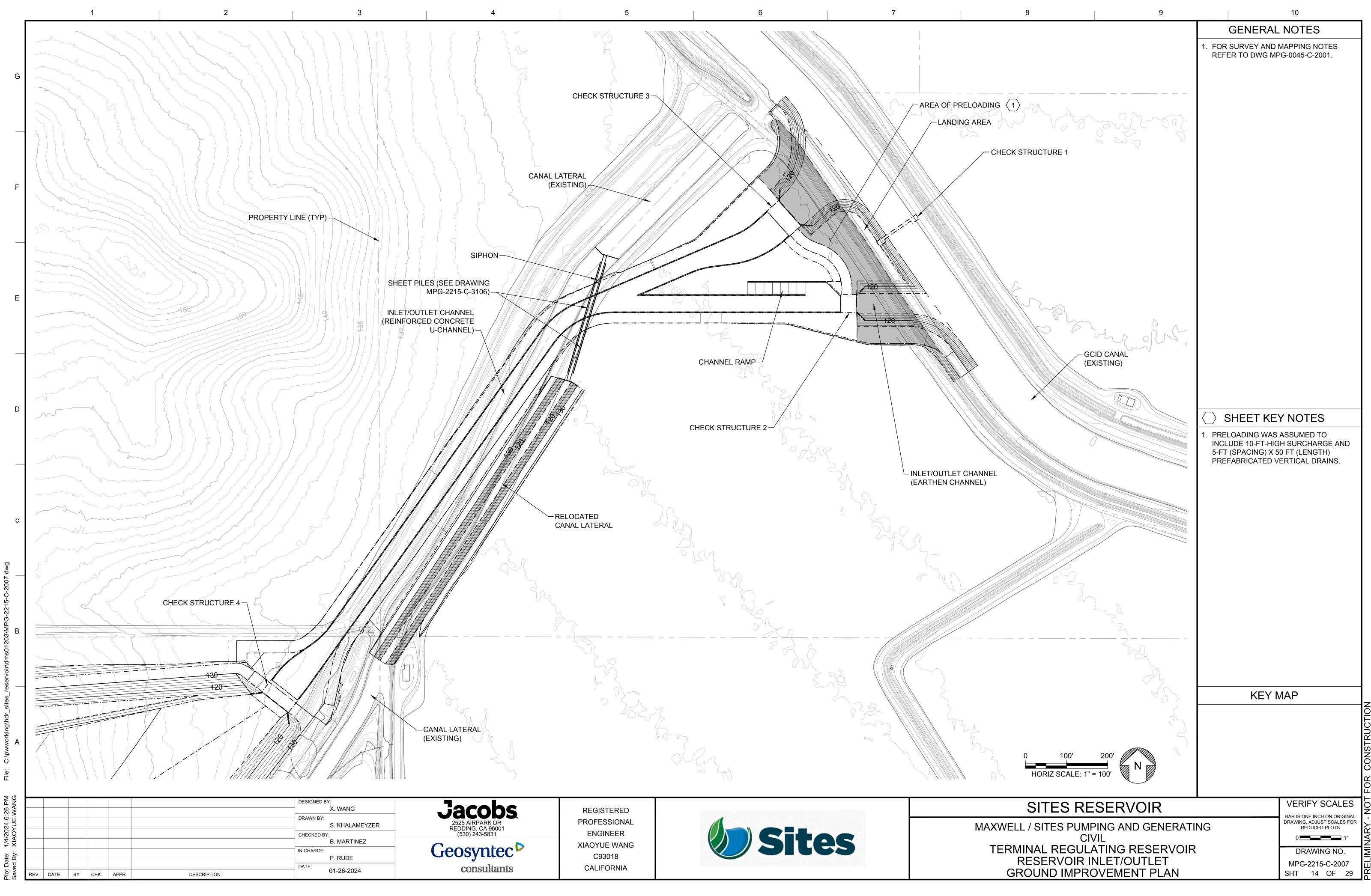
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File: P:\CADD\CIVIL 3E	
1/4/2024 11:13 AM Fi	A RV. KDARRY
Date:	, ВV.

Jacob 2525 AIRPARK DR REDDING, CA 9600 (530) 243-5831	M. WEIL S. KHALAMEYZER	DESIGNED B DRAWN BY:						
Coogenta	B. MARTINEZ	IN CHARGE:						
	P. RUDE							
consultar	01-26-2024	_ DATE:	DESCRIPTION	APPR.	CHK.	BY	DATE	REV



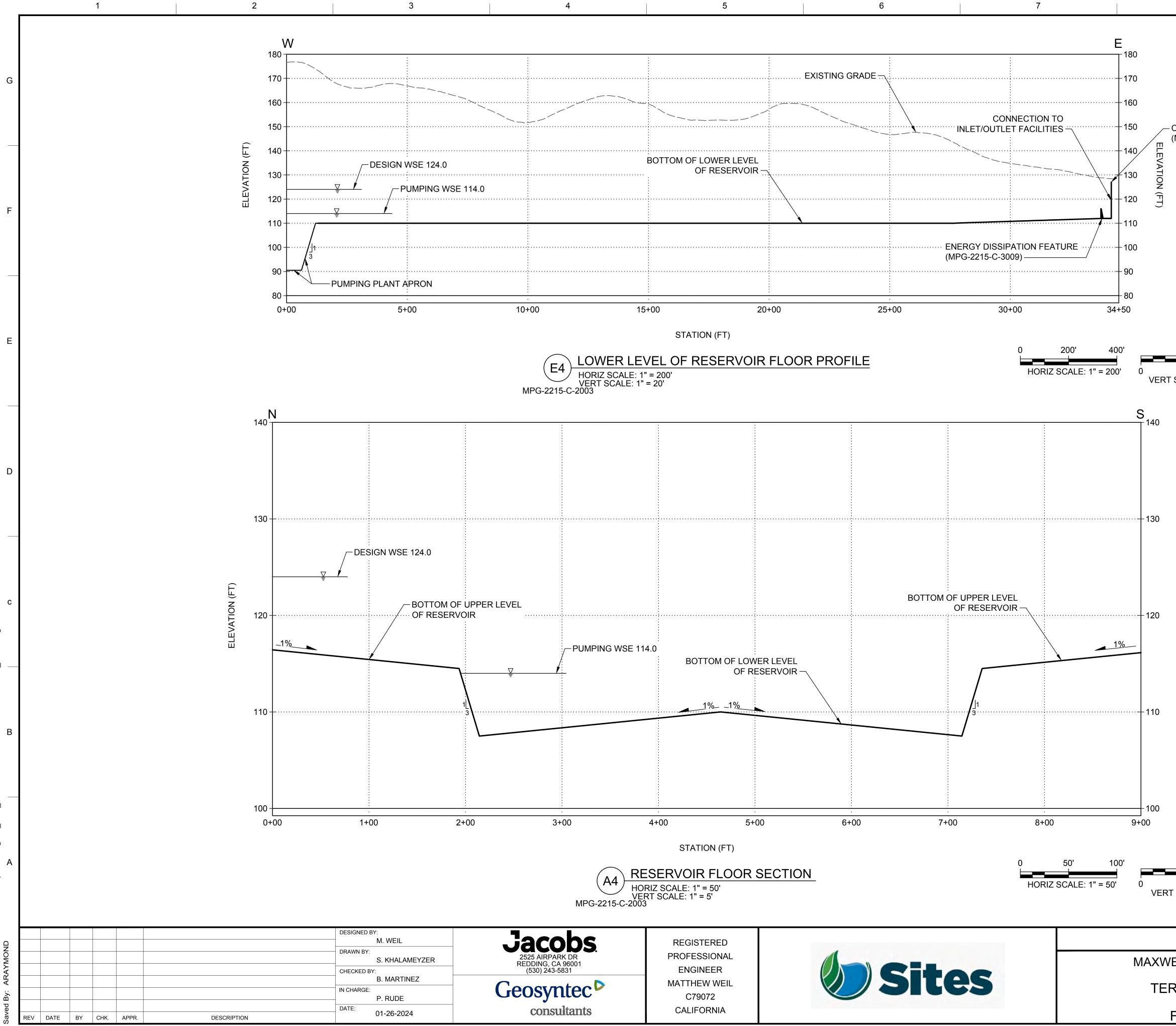
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B. MARTINEZ B. MARTINEZ IN CHARGE: P. RUDE DATE: 01.26.2024 CODSU	
EV DATE BY CHK. APPR. DESCRIPTION	EV



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Plot Date:	Saved By:	

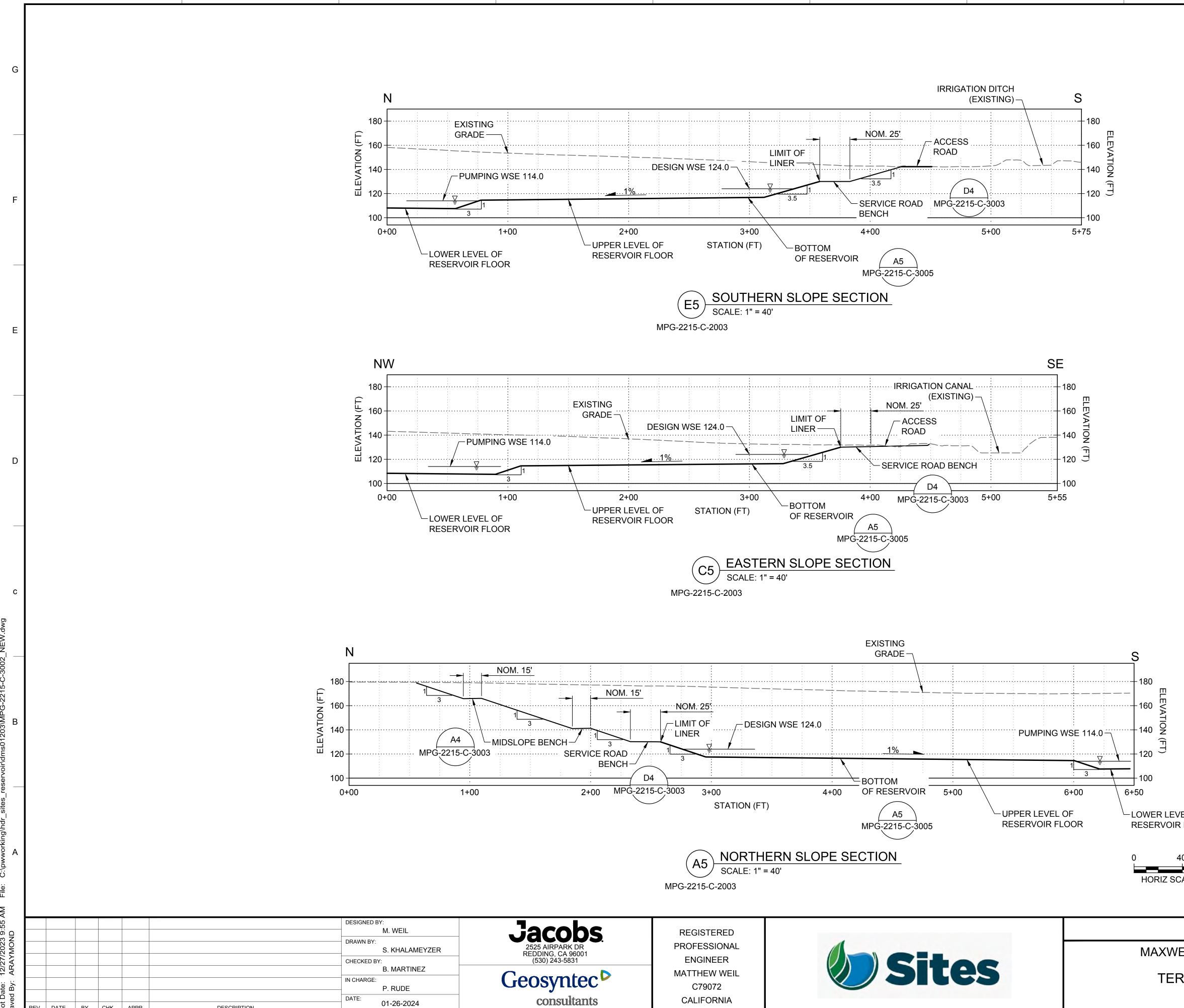
							X. WANG	-lacoh
						DRAWN BY:	S. KHALAMEYZER	2525 AIRPARK DR REDDING, CA 9600
						CHECKED BY	/:	(530) 243-5831
							B. MARTINEZ	
						IN CHARGE: P. RUDE		Geosynte
REV	DATE	BY	СНК.	APPR.	DESCRIPTION	DATE:	01-26-2024	consultar



57 12/27/2023 9:: ARAYMOND By: Ω̈́Ω

8 9		10
	GENERAL	NOTES
	1. FOR SURVEY AND REFER TO DWG MF	
CHECK STRUCTURE #4		
MPG-2294-S-2001)		
20' 40'		
SCALE: 1"=20'		
	SHEET KE	YNOTES
EVATI		
ELEVATION (FT)		
F		
	KEY N	/IAP
5' 10'		
5' 10' SCALE: 1"=5'		
SITES RESERVOIR		VERIFY SCALES BAR IS ONE INCH ON ORIGINAL
ELL / SITES PUMPING AND GENERATI	NG	DRAWING, ADJUST SCALES FOR REDUCED PLOTS
CIVIL MINAL REGULATING RESERVOIR		0 1" DRAWING NO.
RESERVOIR		MPG-2215-C-3001
LOOR PROFILE AND SECTION		SHT 15 OF 29

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REV DATE BY CHK. APPR.

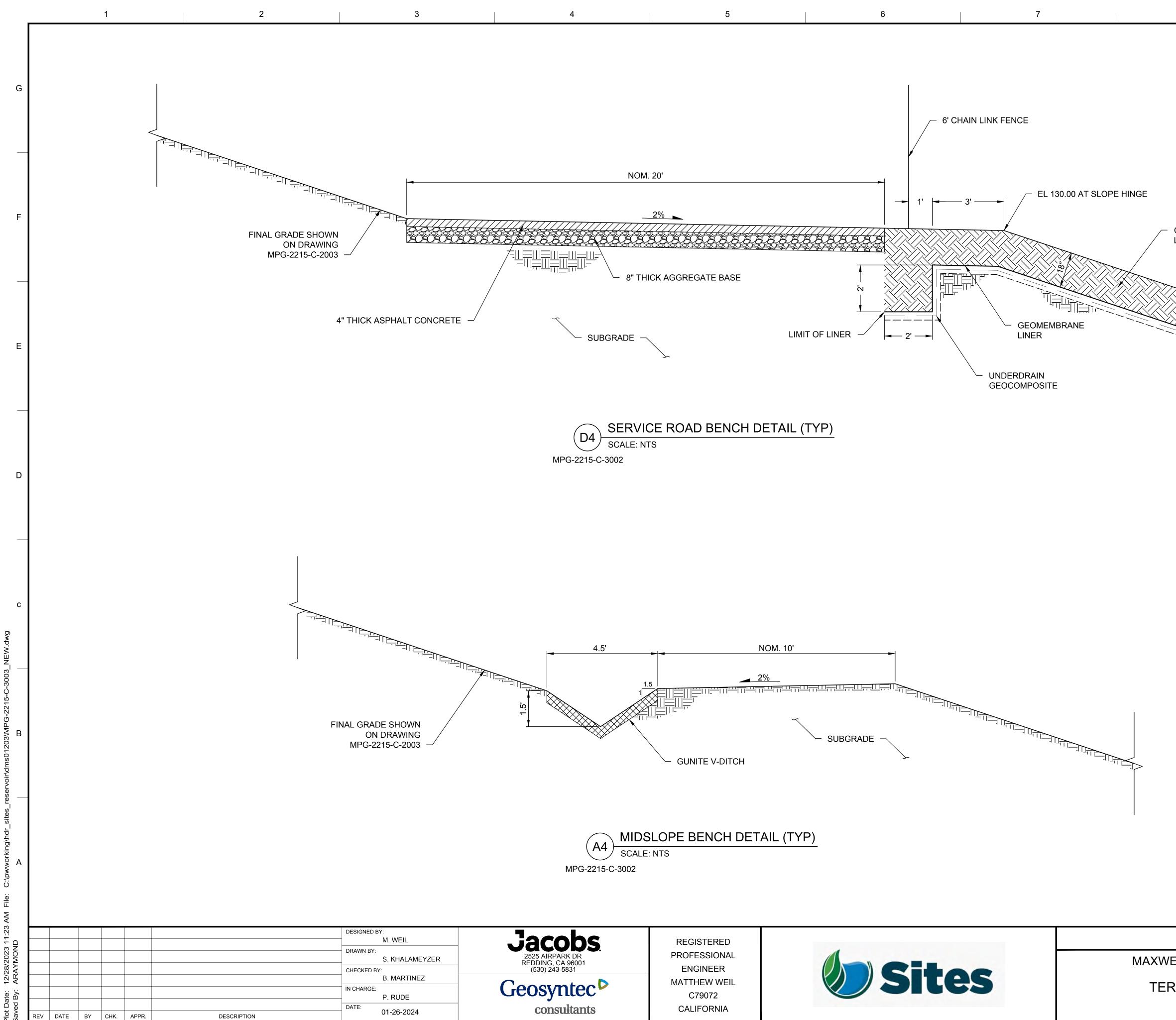
DESCRIPTION

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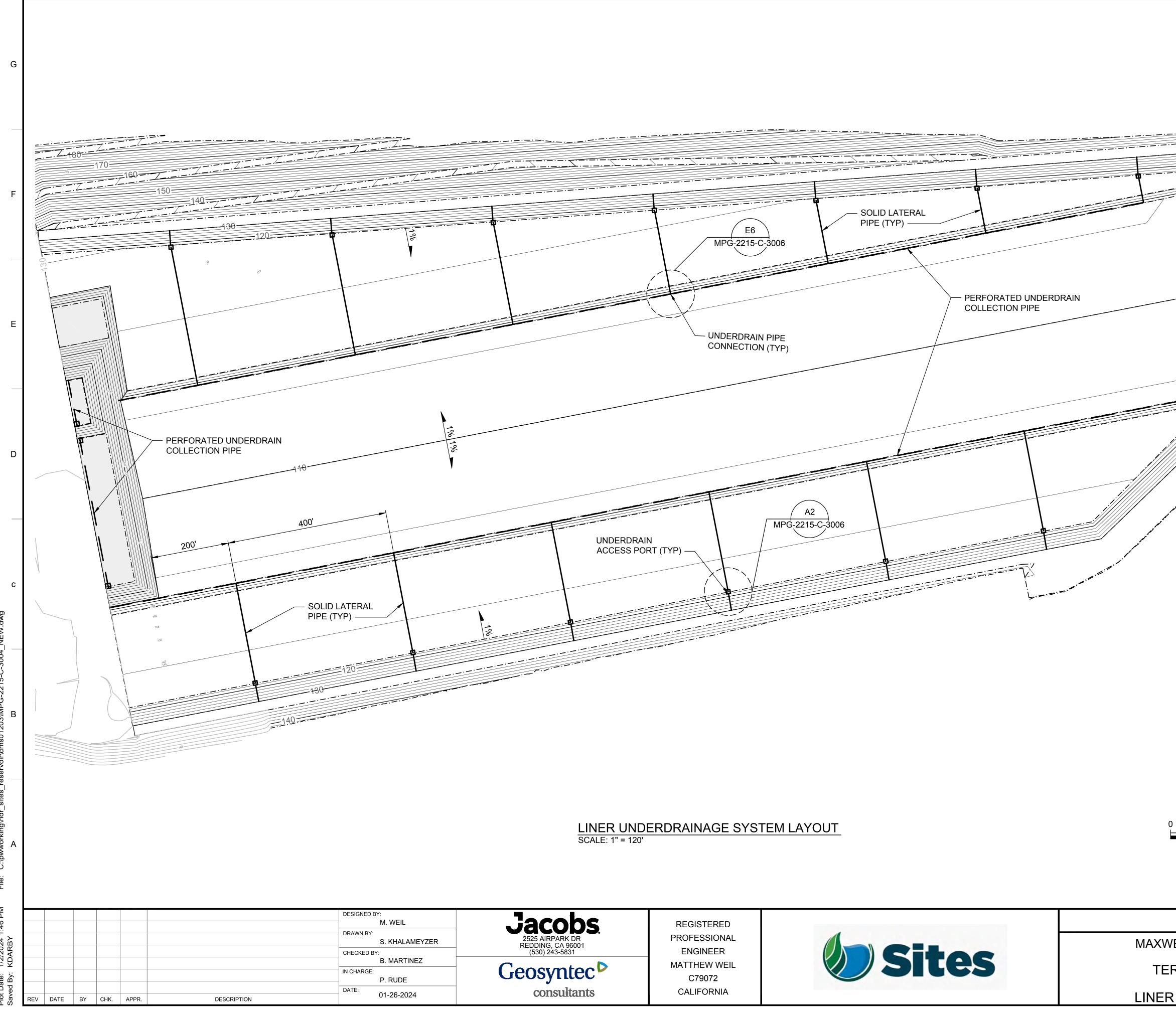
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8	9			10	
			GENERAL	NOTES	
				MAPPING NOTES PG-0045-C-2001.	
		\bigcirc s	SHEET KE`	Y NOTES	
			KEY N	ЛАР	Įz
EL OF FLOOR					CTIO
					IRU
0' 80' 0	40' 80' T SCALE: 1"=40'				CONSTRUCTION
ALE: 1" = 40' VER	T SCALE: 1"=40'				
					FOR
SITES RE	SERVOIR			VERIFY SCALES	NOT
	PING AND GENERATI	NG		BAR IS ONE INCH ON ORIGINAL DRAWING, ADJUST SCALES FOR REDUCED PLOTS	
CIV					PRELIMINARY
RESEF	RVOIR			DRAWING NO. MPG-2215-C-3002	≣LIM
SLOPE SI				SHT 16 OF 29	PR

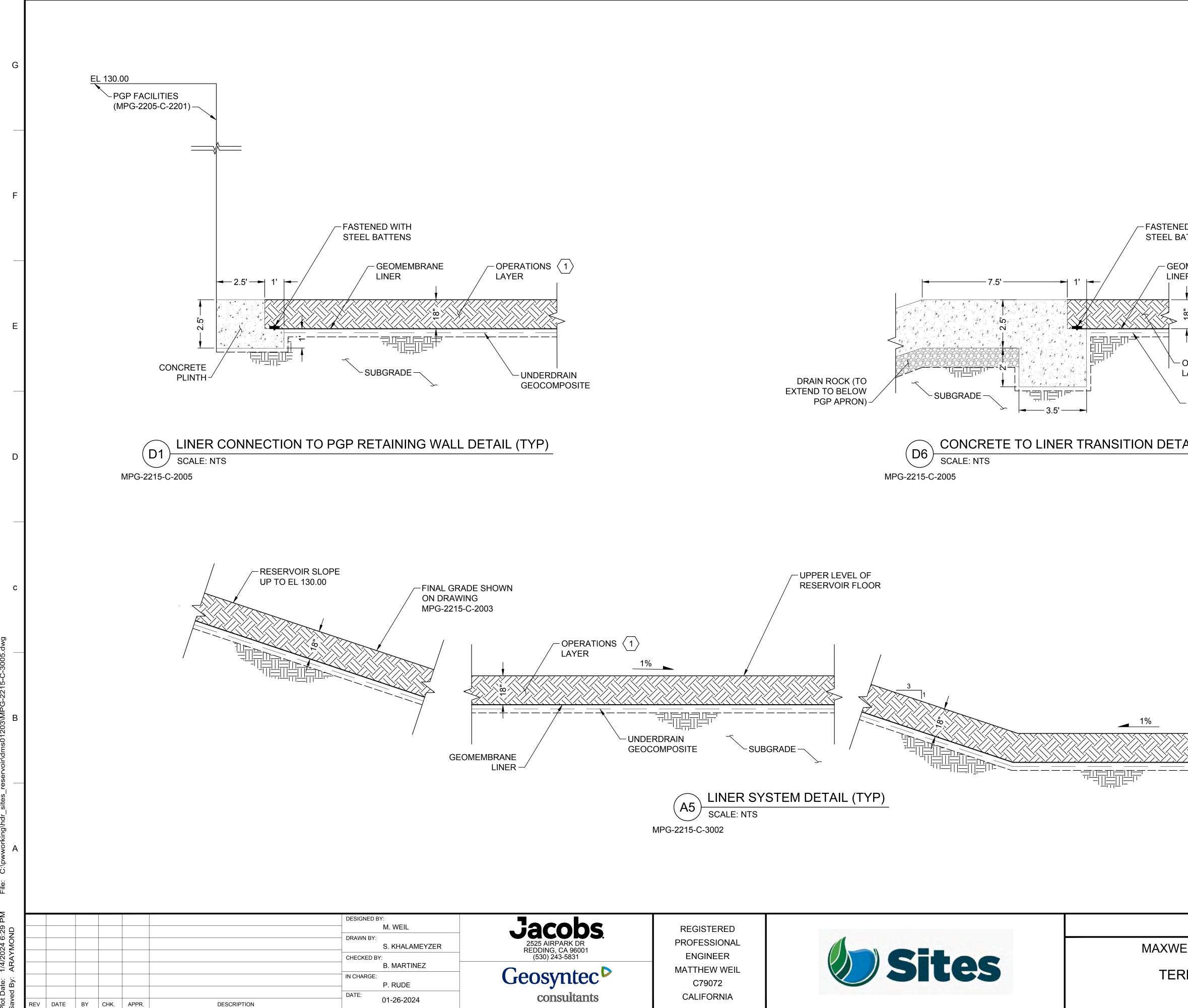


8	9		10	
		GENERAL		
		1. FOR SURVEY AND REFER TO DWG MF		
OPERATIONS $\langle 1 \rangle$ LAYER				
Ι				
			Y NOTES	-
		1. THE OPERATIONS	LAYER SHALL	-
		HOMOGENEOUS S	OIL WITH A USCS DF SM, SC, CL, OR	
			EREOF (PER ASTM PLASTICITY INDEX D 4318). FREE OF	
		DEBRIS, FOREIGN EXCESS SILT, ROC	OBJECTIONS, DTS, AND	
		PARTICLES GREAT	HALL NOT CONTAIN FER THAN 3".	
		KEY N	ЛАР	-
				CTION
				ONSTRUCTION
				CONS
				FOR
SITES RES	SERVOIR		VERIFY SCALES BAR IS ONE INCH ON ORIGINAL	- NOT
ELL / SITES PUMP CIV	ING AND GENERATII IL	NG	DRAWING, ADJUST SCALES FOR REDUCED PLOTS	
	TING RESERVOIR		DRAWING NO. MPG-2215-C-3003	PRELIMINARY
BENCH D			SHT 17 OF 29	PRE



1/2/2024 KDARBY

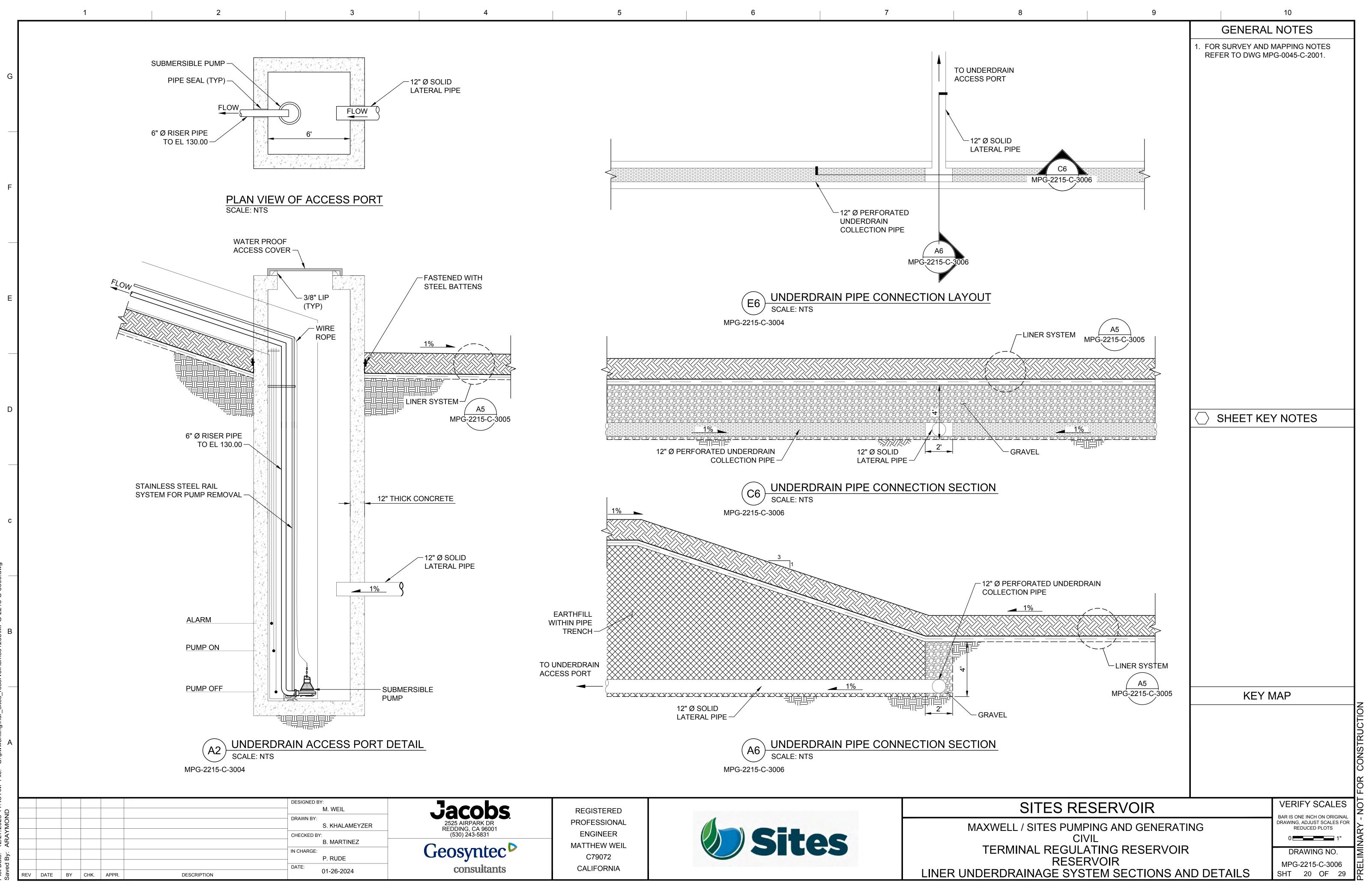
10 9 **GENERAL NOTES** 1. FOR SURVEY AND MAPPING NOTES REFER TO DWG MPG-0045-C-2001. ♦ SHEET KEY NOTES KEY MAP CONSTRUCTION 0 120' 240' N VERIFY SCALES SITES RESERVOIR BAR IS ONE INCH ON ORIGINAL DRAWING, ADJUST SCALES FOR MAXWELL / SITES PUMPING AND GENERATING REDUCED PLOTS CIVIL TERMINAL REGULATING RESERVOIR RESERVOIR LINER UNDERDRAINAGE SYSTEM LAYOUT 0 DRAWING NO. MPG-2215-C-3004 MPG-2215-C-3004 교 SHT 18 OF 29 산



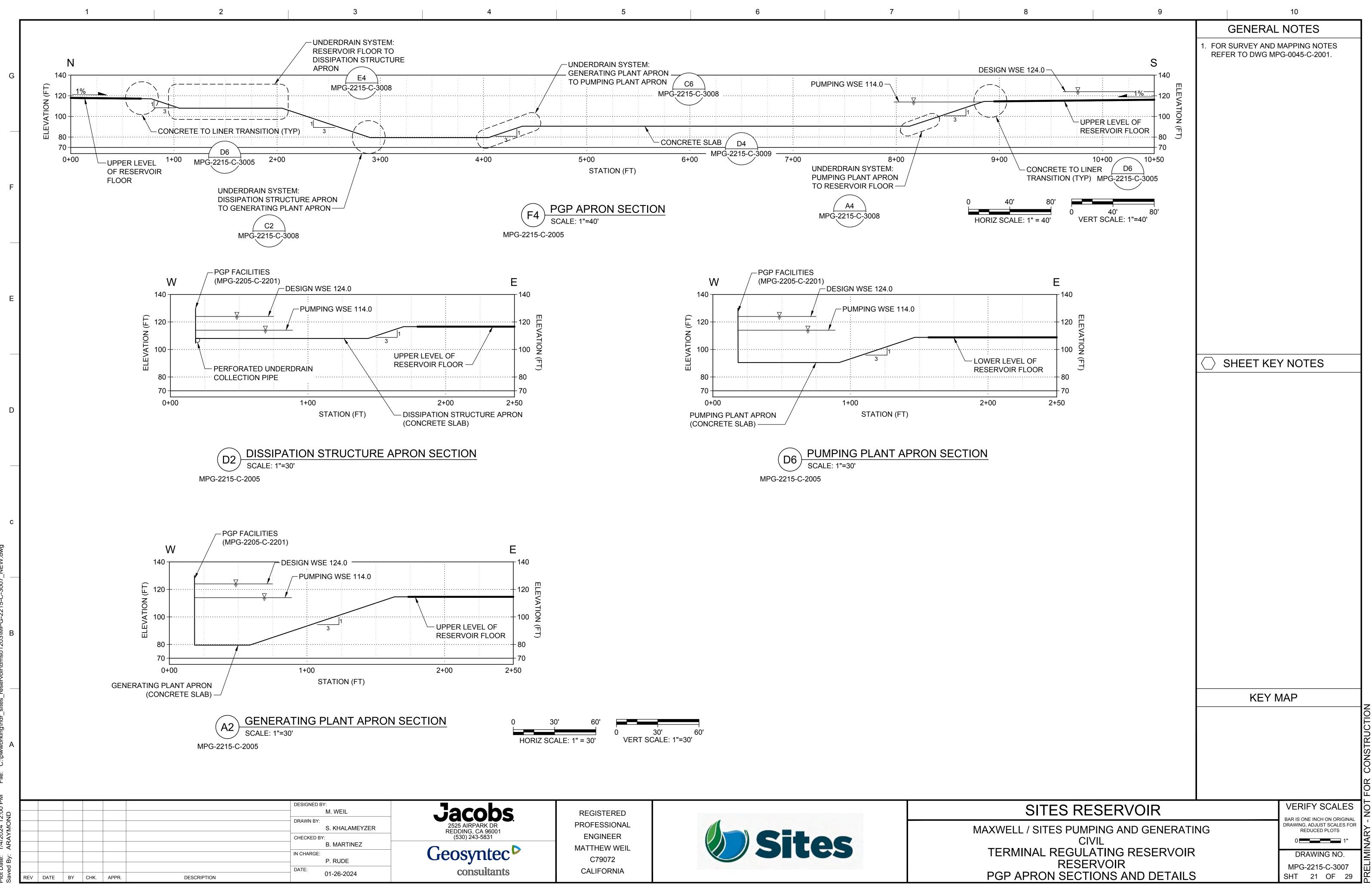
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	GENERAL	NOTES
	1. FOR SURVEY AND I REFER TO DWG MF	
ED WITH BATTENS		
OMEMBRANE ER		
4		
OPERATIONS (1) LAYER		
UNDERDRAIN GEOCOMPOSITE		
AIL (TYP)		
	SHEET KE 1. THE OPERATIONS	
	CONSIST OF RELA HOMOGENEOUS S	TIVELY
		EREOF (PER ASTM
	OF 20 (PER ASTM DEBRIS, FOREIGN	
	EXCESS SILT, ROC	
	PARTICLES GREAT	FER THAN 3".
LOWER LEVEL OF		
	KEY N	
SITES RESERVOIR		VERIFY SCALES
ELL / SITES PUMPING AND GENERATI	NG	BAR IS ONE INCH ON ORIGINAL
CIVIL RMINAL REGULATING RESERVOIR		0 DRAWING NO.
RESERVOIR LINER SYSTEM DETAILS		MPG-2215-C-3005 SHT 19 OF 29
		UF 29



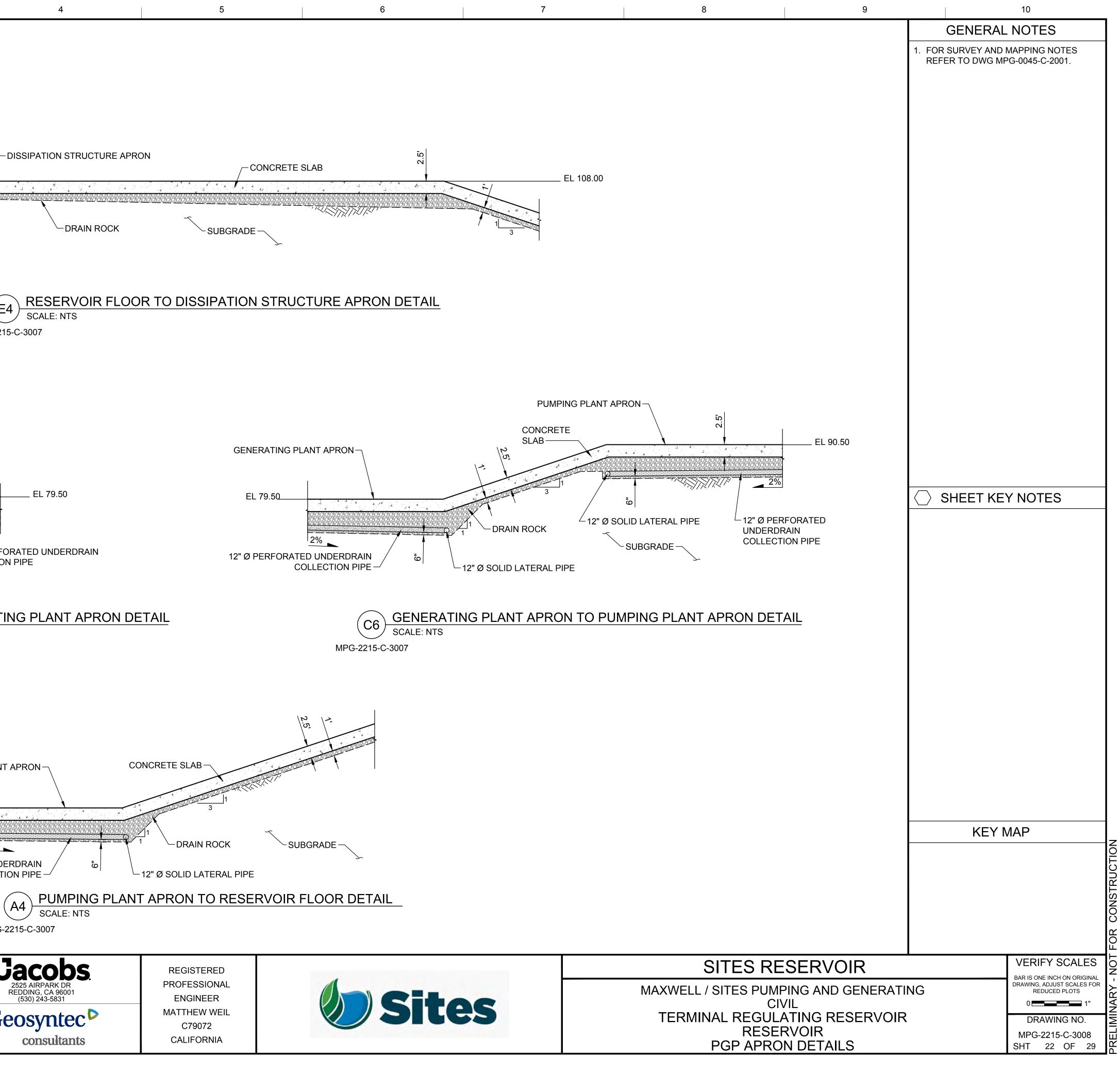
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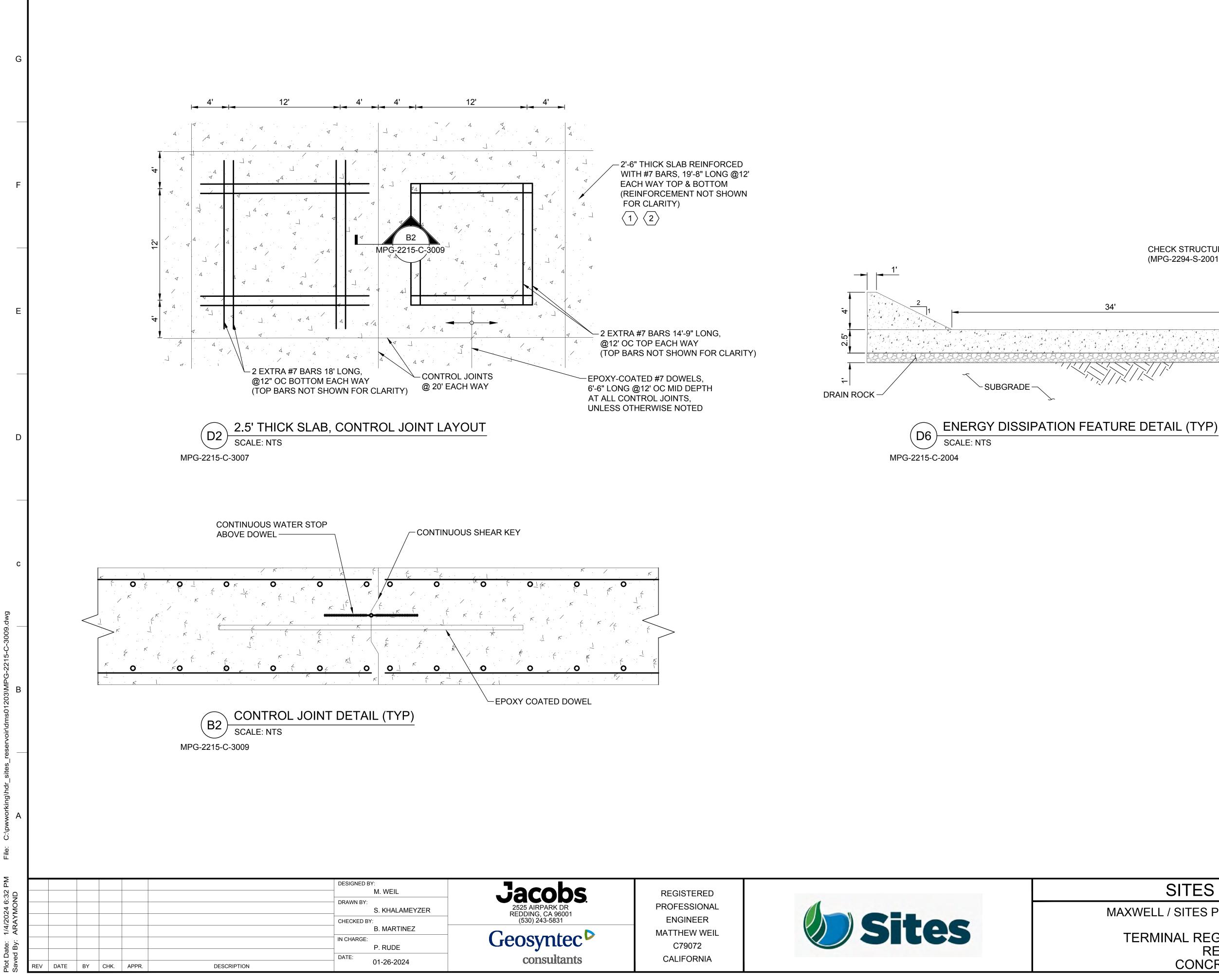
1/4/2024 12:00 | ARAYMOND

CONSTRUCTION

1 2 3 G 4 1 4 F É4 SCALE: NTS MPG-2215-C-3007 Е **GENERATING PLANT APRON** -CONCRETE SLAB D EL 79.50 4 J⁴ 4 1. 4 · ./ . · . 1 <u>2%</u> DRAIN ROCK --12" Ø PERFORATED UNDERDRAIN COLLECTION PIPE - SUBGRADE — DISSIPATION STRUCTURE APRON TO GENERATING PLANT APRON DETAIL C2 SCALE: NTS MPG-2215-C-3007 PUMPING PLANT APRON-EL 90.50_ 12" Ø PERFORATED UNDERDRAIN COLLECTION PIPE -A4 SCALE: NTS MPG-2215-C-3007 DESIGNED BY: Jacobs. 2525 AIRPARK DR REDDING, CA 96001 (530) 243-5831 12/27/2023 12 ARAYMOND M. WEIL DRAWN BY: S. KHALAMEYZER CHECKED BY: **B. MARTINEZ** Geosyntec[▶] IN CHARGE: BA P. RUDE consultants DATE: 01-26-2024 DATE BY CHK. APPR. DESCRIPTION REV



ONSTRUCTION ()



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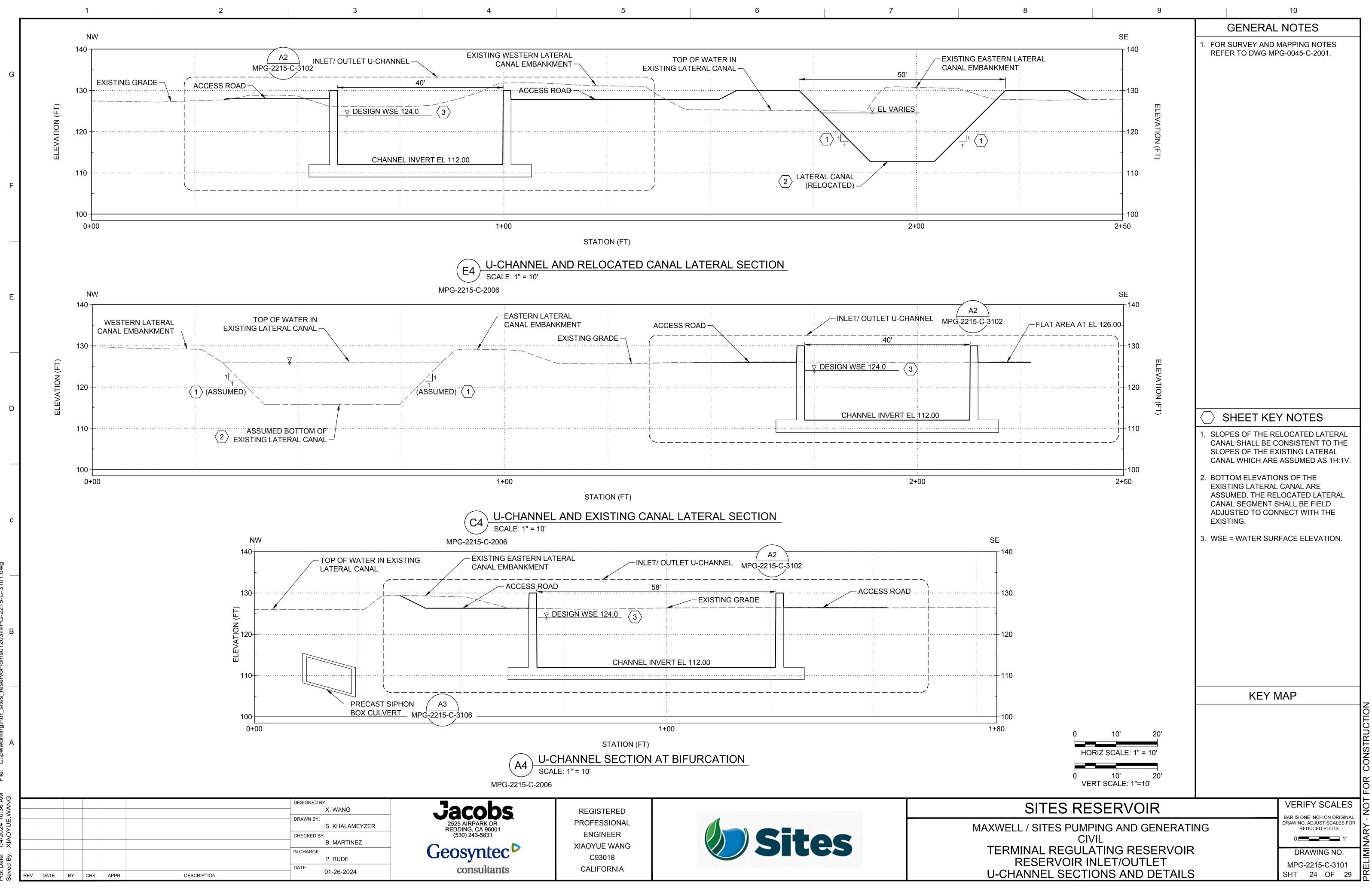
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10 9 8 GENERAL NOTES . A 3/4-INCH CHAMFER SHALL BE PROVIDED ON ALL EXPOSED CORNERS AND EDGES. 2. REINFORCEMENT SHALL BE ASTM A615 GRADE 60. 3-INCH CLEAR COVER UNLESS OTHERWISE NOTED. CHECK STRUCTURE 4 (MPG-2294-S-2001) — SHEET KEY NOTES . CONCRETE SHALL BE NORMAL WEIGHT WITH A 28-DAY COMPRESSIVE STRENGTH OF 4,000 PSI. 2. PROVIDE 2 EXTRA #7 BARS AT ALL CORNERS AND EDGES FOR EACH PANEL. KEY MAP RUCTION VERIFY SCALES SITES RESERVOIR BAR IS ONE INCH ON ORIGINAL DRAWING, ADJUST SCALES FOR MAXWELL / SITES PUMPING AND GENERATING REDUCED PLOTS CIVIL 0 **TERMINAL REGULATING RESERVOIR** DRAWING NO. RESERVOIR CONCRETE DETAILS MPG-2215-C-3009 Ř SHT 23 OF 29

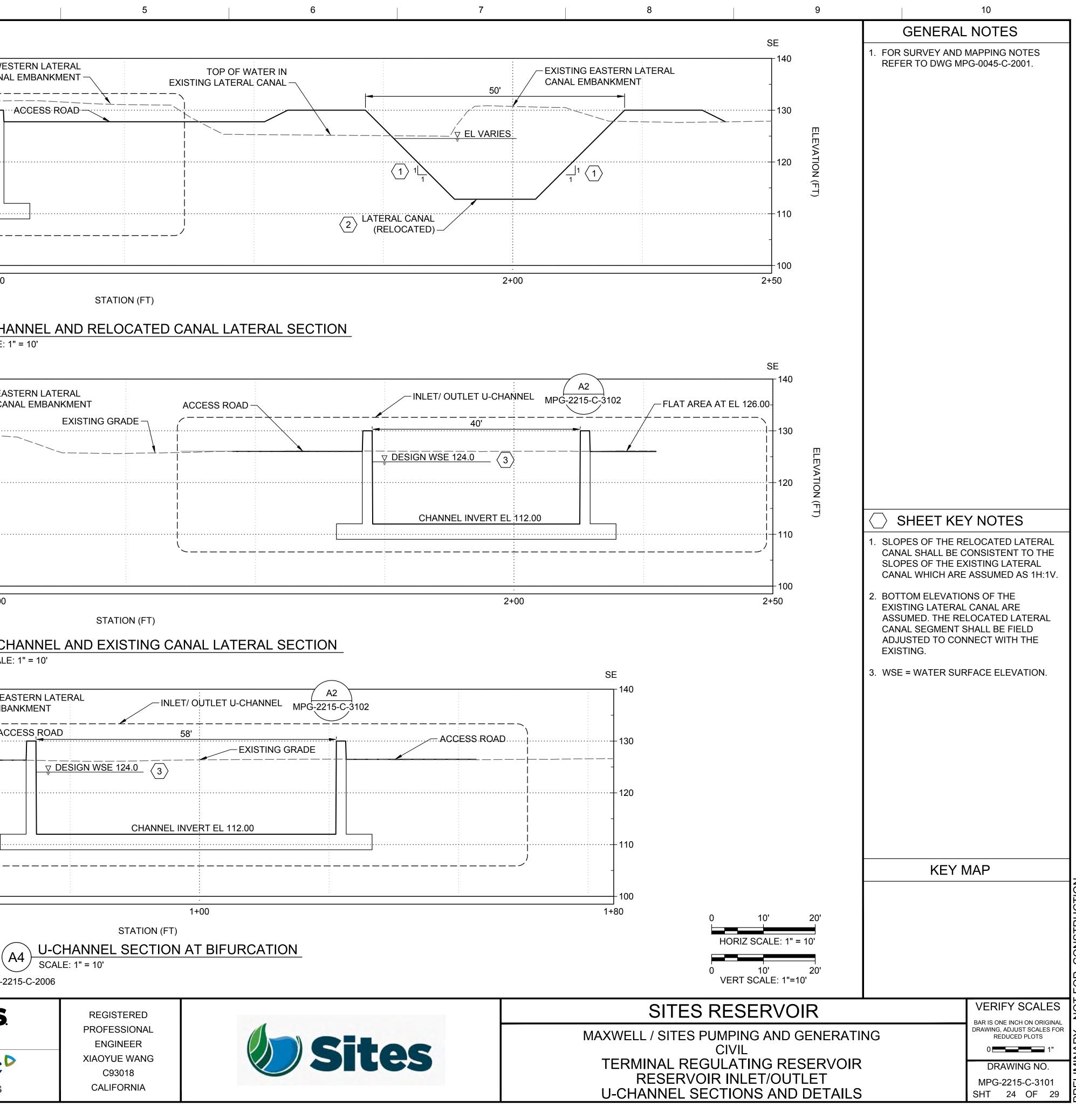
<u>ONS⁻</u> ()



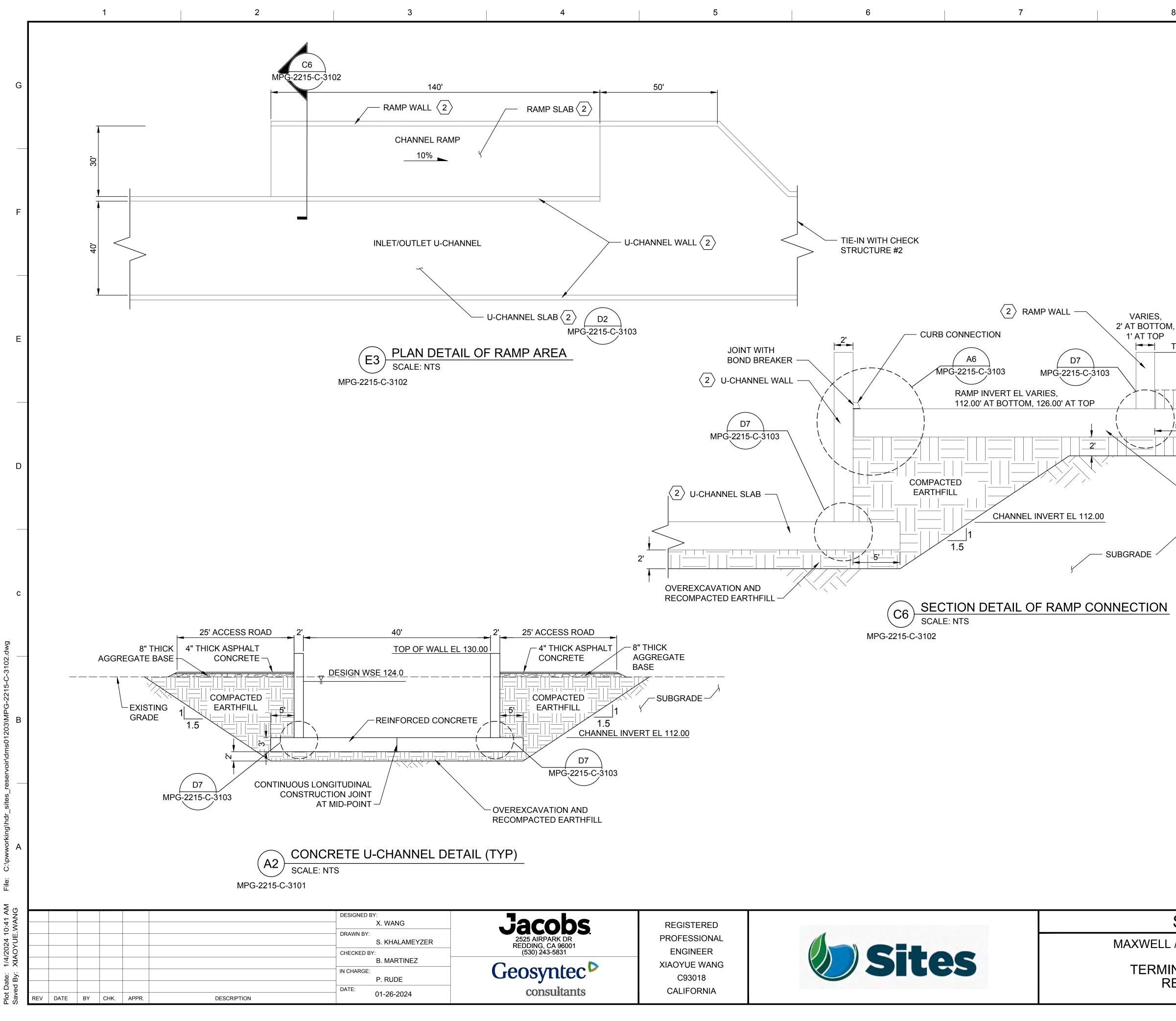
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JACODS 2525 AIRPARK DR REDDING, CA 96001	X. WANG S. KHALAMEYZER	DRAWN BY:						
(530) 243-5831	Y: B. MARTINEZ	CHECKED BY:						
Geosyntee consultant	P. RUDE	IN CHARGE:						
consultant	01-26-2024	DATE:	IPTION	DESCRIPTION	APPR.	CHK.	BY	DATE

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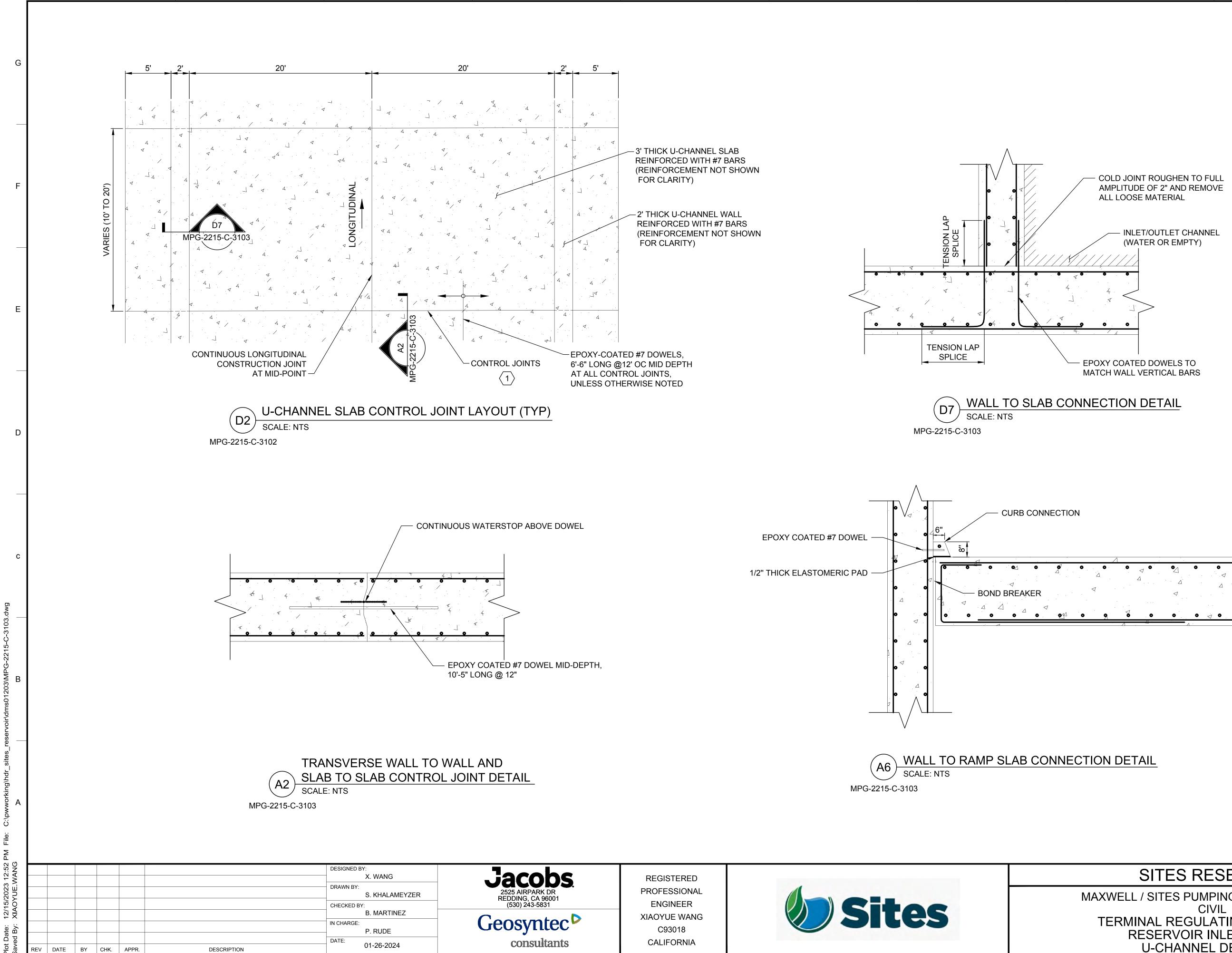


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10 9 **GENERAL NOTES** TOP OF WALL EL 130.00 DESIGN GROUND EL 126.00' VARIE: VARIE: AT BOT 1'-6" AT 1 1.5 SHEET KEY NOTES - RAMP SLAB $\langle 2 \rangle$. CONTROL JOINT SPACING TO BE 20' MAXIMUM AND 10' MINIMUM FOR ALL SLABS. 2. THE U-CHANNEL (WALL AND SLAB) AND CHANNEL RAMP (WALL AND SLAB) WILL BE CONSTRUCTED OF REINFORCED CONCRETE. KEY MAP VERIFY SCALES SITES RESERVOIR BAR IS ONE INCH ON ORIGINAL DRAWING, ADJUST SCALES FOR MAXWELL / SITES PUMPING AND GENERATING REDUCED PLOTS CIVIL 0 TERMINAL REGULATING RESERVOIR DRAWING NO. RESERVOIR INLET/OUTLET U-CHANNEL DETAILS I MPG-2215-C-3102 PREL SHT 25 OF 29

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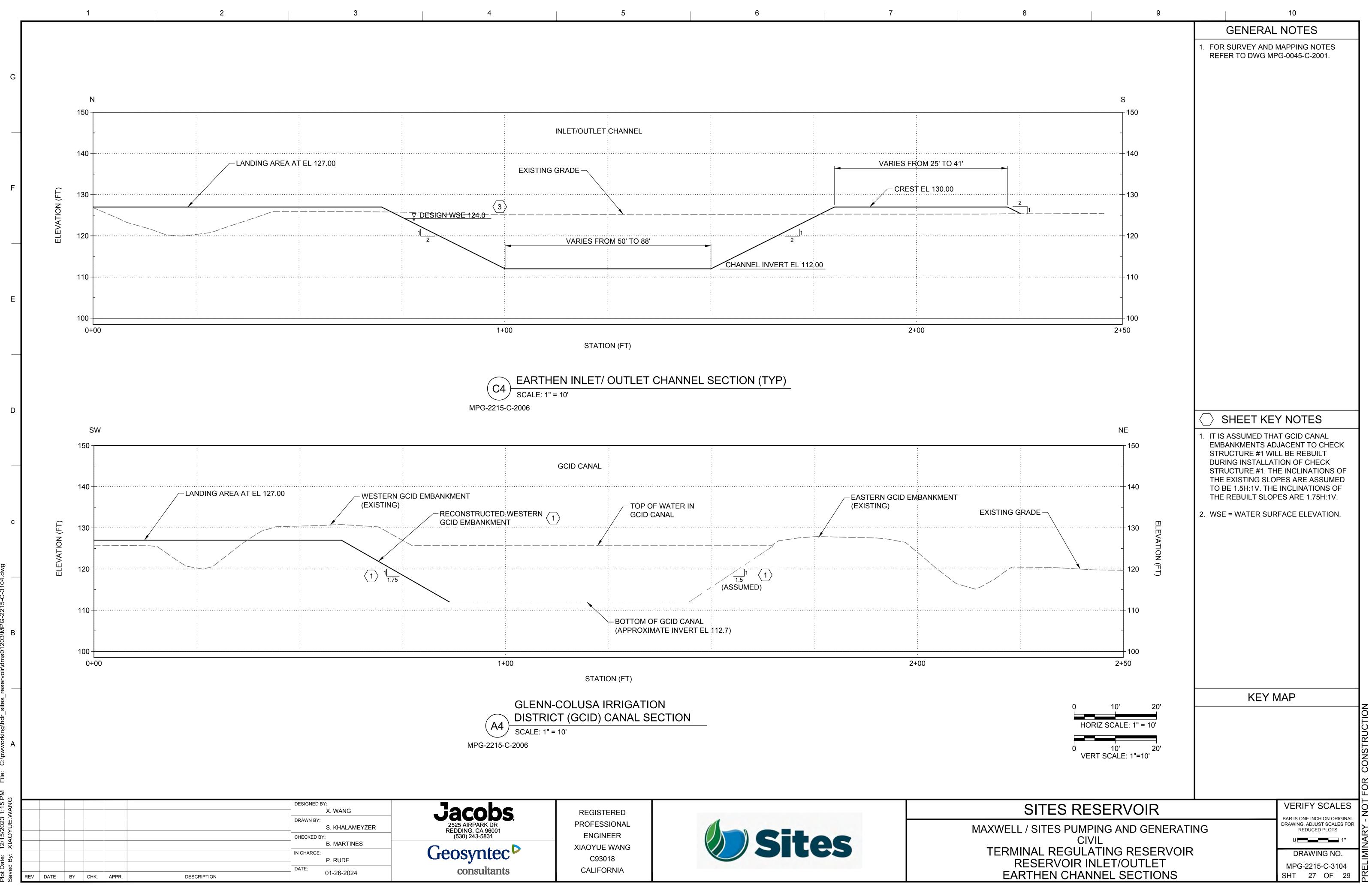
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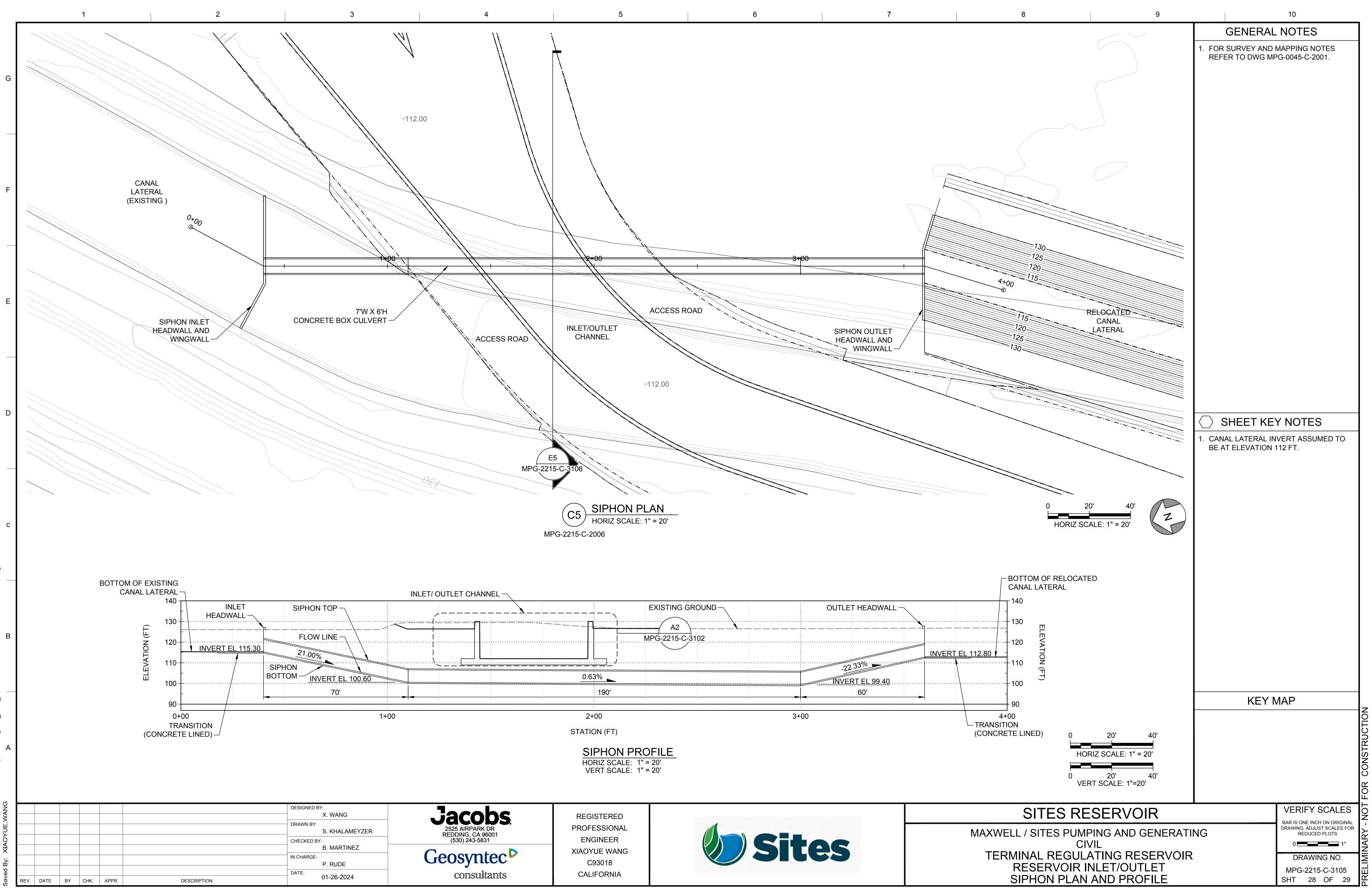
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10 9 **GENERAL NOTES** - COLD JOINT ROUGHEN TO FULL AMPLITUDE OF 2" AND REMOVE ALL LOOSE MATERIAL - INLET/OUTLET CHANNEL (WATER OR EMPTY) - EPOXY COATED DOWELS TO MATCH WALL VERTICAL BARS SHEET KEY NOTES . CONTROL JOINT SPACING TO BE 20' MAXIMUM AND 10' MINIMUM FOR ALL SLABS. KEY MAP 0 SUC. VERIFY SCALES SITES RESERVOIR BAR IS ONE INCH ON ORIGINA DRAWING, ADJUST SCALES FOR MAXWELL / SITES PUMPING AND GENERATING REDUCED PLOTS CIVIL 0 TERMINAL REGULATING RESERVOIR DRAWING NO. RESERVOIR INLET/OUTLET U-CHANNEL DETAILS II MPG-2215-C-3103 REI SHT 26 OF 29



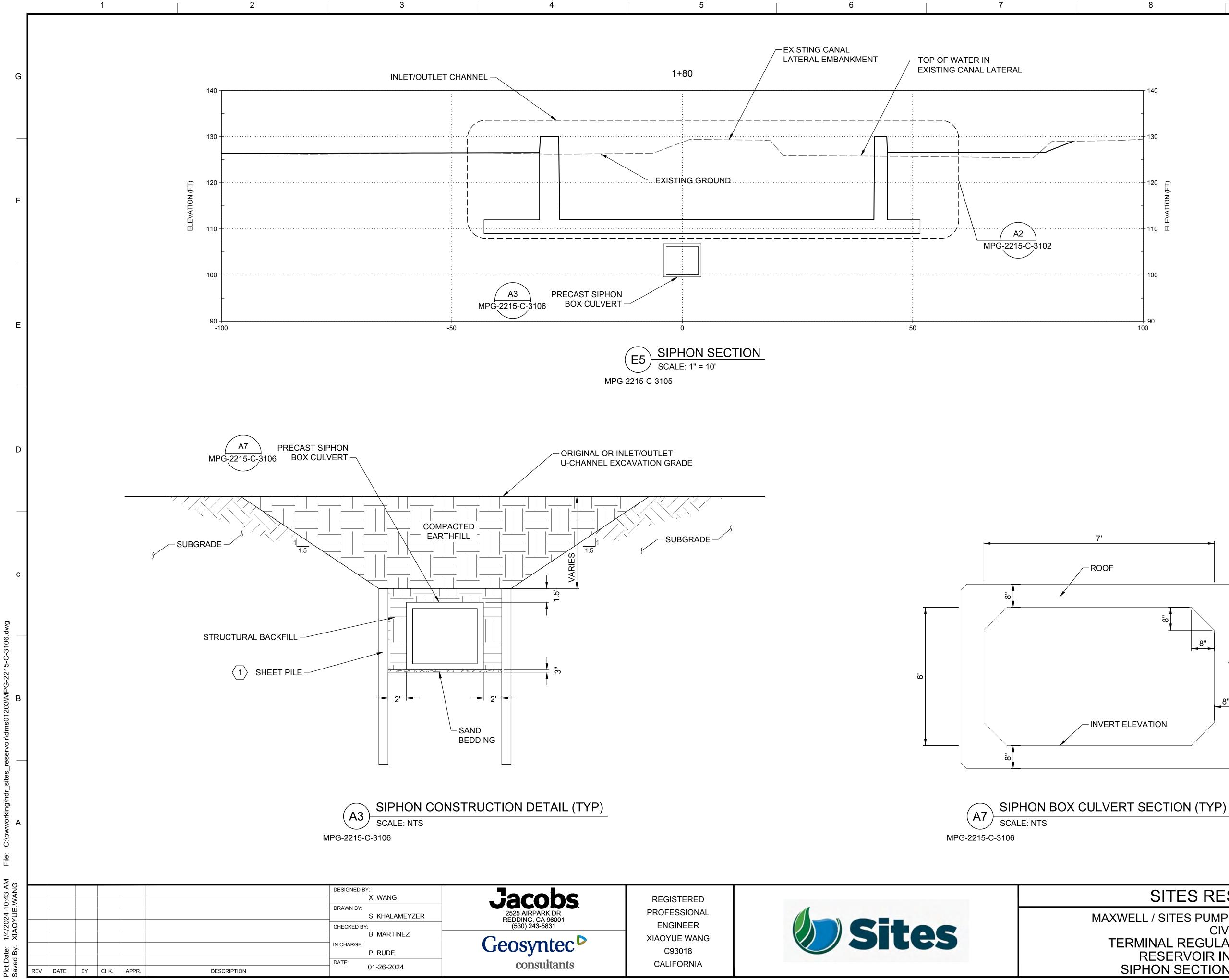
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10 9 GENERAL NOTES 1. FOR SURVEY AND MAPPING NOTES REFER TO DWG MPG-0045-C-2001. 140 130 -120 🗀 100 - 90 100 SHEET KEY NOTES . CONTRACTOR TO INSTALL TEMPORARY SHEET PILES AND PERFORM EXCAVATION IN CONFORMANCE WITH OSHA REQUIREMENTS. /--- WALL 8" _8"_ KEY MAP VERIFY SCALES SITES RESERVOIR BAR IS ONE INCH ON ORIGINA DRAWING, ADJUST SCALES FOR MAXWELL / SITES PUMPING AND GENERATING REDUCED PLOTS CIVIL 0 TERMINAL REGULATING RESERVOIR DRAWING NO. RESERVOIR INLET/OUTLET SIPHON SECTIONS AND DETAILS MPG-2215-C-3106 PREL SHT 29 OF 29

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