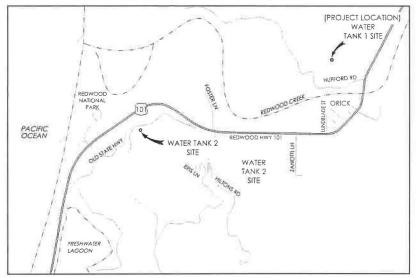
ORICK COMMUNITY SERVICES DISTRICT

ORICK COMMUNITY TANK REPLACEMENT PROJECT **TANK 1 REPLACEMENT**

FUNDED IN PART BY THE STATE OF CALIFORNIA DEPARTMENT OF WATER RESOURCES (DWR) AGREEMENT No. 4600014877





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MAR 1 6 2023



BOARD OF DIRECTORS

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- BRYAN STUTCHMAN

PROJECT MANAGER STRUCTURAL ENGINEER ELECTRICAL ENGINEER STAFF ENGINEER ENGINEERING TECHNICIAN







	AT	DN	DOWN	M	MALE or MECHANICAL	SECT	SECTION
	DIAMETER	DWG	DRAWING	MECH	MECHANICAL	SENS	SENSIBLE
- PL	PLATE OR PROPERTY LINE	D/W	DRIVEWAY	MAX	MAXIMUM	SG	SUPPLY GRILLE
	ANCHOR BOLT, AGGREGATE BASE	E	ELECTRICAL CONDUIT	MCA	MINIMUM CIRCUIT AMPACITY	SGL	SINGLE
	ASBESTOS CEMENT PIPE or ASPHALT CONCRETE	(E) or EXIST	EXISTING	MCC	MOTOR CONTROL CENTER	SH or SHT	SHEET
	AREA DRAIN OF AEROBIC DIGESTER	ĒĀ	EACH	MFR	MANUFACTURER	SHTG	SHEATHING, SHEETING
DN'L	ADDITIONAL	EER	ENERGY EFFICIENCY RATIO	MG	MILLION GALLONS	SIM	SIMILAR
H AB	ADHESIVE ANCHOR BOLT	EF	EXHAUST FAN	MH	MANHOLE	SMS	SHEET METAL SCREW
	ABOVE FINISH FLOOR	EL or ELEV	ELEVATION	MIN	MINIMUM	SOOS	SHOWN OUT OF SECTION
G or AGGR	AGGREGATE	ELB	ELBOW	MISC	MISCELLANEOUS	SP	SPACE or SPACES or STATIC PRESS
	ANALYZER INDICATING RECORDER	EMBED	EMBED or EMBEDMENT	M	MECHANICAL JOINT	SPECTS	SPECIFICATIONS
	ANALYZER INDICATING TRANSMITTER	EN	EDGE NAILING	MOCP	MAXIMUM OVERCURRENT PROTECTION	SQ	SQUARE
JM.	ALUMINUM	ENGR	ENGINEER	MRS	MECHANICAL RUBBER SEAL	22	SANITARY SEWER OF STAINLESS STE
PROX	APPROXIMATELY	EP	EDGE OF PAVEMENT	MTL	METAL	STD	STANDARD
'	AIR RELEASE VALVE	EQ	EQUAL	WMZ	MAXIMUM WATER SURFACE	STL	STEEL
V	AUTOMATIC SHUTOFF VALVE	EQUIP	EQUIPMENT	[N]	NEW	STRUCT	STRUCTURAL
Y	ASSEMBLY	ER	EDGE OF ROAD	NB&G	NUTS, BOLTS, & GASKETS	SW	SURFACE WASH
M	AMERICAN SOCIETY FOR TESTING OF MATERIALS	ESMT	EASEMENT	NF	NEAR FACE	SWMH	STORM WATER MANHOLE
	AIR VALVE	ESP	EXTERNAL STATIC PRESSURE	NIC	NOT IN CONTRACT	SYM	SYMMETRICAL
,	BACKWATER CHECK VALVE OR BUTTERFLY	EW	EACH WAY	No.	NUMBER	T	TELEPHONE CONDUIT or TOP
	CONTROL VALVE OR BALL CHECK VALVE	EXP AB	EXPANSIVE ANCHOR BOLT	NPT	NATIONAL PIPE THREAD	T&B	TOP AND BOTTOM
1	BONDED FIBER MATRIX	EXP JT	EXPANSION JOINT(S)	NTS	NOT TO SCALE	TBC	TOP BACK OF CURVE
	BUTTERFLY VALVE	EXT	EXTERIOR	0/	OVER	TBF	TRAVELING BRIDGE FILTER
/M	BUTTERFLY VALVE W/ MOTOR ACTUATOR	F	FENCE or FEMALE	O/F	OVERFLOW	TBM	TEMPORARY BENCH MARK
/P	PNEUMATIC OPERATED BUTTERFLY VALVE	FBE	FUSION BONDED EPOXY	oc	ON CENTER	TC	TOP OF CONCRETE
	BRAKE HORSE POWER	FC	FLEXIBLE COUPLING	OCSD	ORICK COMMUNITY SERVICES DISTRICT	TELE	TELEPHONE
	BACKFILL	FCA	FLANGED COUPLING ADAPTOR	OD	OUTSIDE DIAMETER	THD	THREADED
3	BUILDING	FD	FRENCH DRAIN OR FLOOR DRAIN	OF	OUTSIDE FACE	THK	THICK or THICKNESS
	BLOCK	FE	FILTERED EFFLUENT	OG	ORIGINAL GROUND	TL	TRAFFIC LID
3	BLOCKING	FF	FINISHED FLOOR or FAR FACE	OH	OVERHEAD	TN	TOE NAIL
	BENCH MARK OR BEAM	FG or FIN GR	FINISH GRADE	OPG or OPNG	OPENING	TOW	TOP OF WALL
	BLOW OFF or BLOCK-OUT	FH	FIRE HYDRANT or FULL HEIGHT	OPP	OPPOSITE	TR	THRUST RESTRAINT
	BOTTOM	FHWS	FLAT HEAD WOOD SCREW	PDJ	PUMP DISMANTUNG JOINT	TYP	TYPICAL
	BALL VALVE	ĦN	FINISH	P&ID or PID	PROCESS INSTRUMENTATION DIAGRAM	UG	UNDER GROUND
	BACKWASH	FL.	FLOW LINE	PE	PLAIN END	ULT	ULTRASONIC LEVEL TRANSMITTER
r C/L or &	CENTERLINE	FLA	FULL LOAD AMPS	PER	PERIMETER	UNO	UNLESS NOTED OTHERWISE
COND	CONDUIT	FLG	FLANGE	PH	PHASE	V	VENT or VOLIS
V	COMBINATION AIR RELEASE VALVE	FLR	FLOOR	PNL	PANEL	VCP	VITRIFIED CLAY PIPE
P	CONCRETE CYLINDER PIPE	FMJA	FLANGE x MJ ADAPTER	PNT	PAINT	VERT	VERTICAL
	COMBINED FILTER EFFLUENT	FND	FOUNDATION	#	POUND	w	WATER
И	CUBIC FEET PER MINUTE	FPM	FEET PER MINUTE	PP	POWER POLE	w/	WITH
	CAST IRON PIPE	FRP	FIBER REINFORCED POLYETHYLENE	PR	PAIR	w/o	WITHOUT
	CAST IN PLACE	FIG	FOOTING	PREFAB	PREFABRICATED	wc	WAIER CLOSET OR WATER COM
•	CAST IN PLACE CAST IRON SOIL PIPE	FW	FILTERED WATER	PROJ	PROJECT	WH	WARF HEAD HYDRANT
	CONTROL JOINT or CEILING JOIST	GA	GAGE	PRSV	PRESSURE REDUCING SOLENOID VALVE	WHE	WHOLE HOUSE FAN
- C1D	CLEAR	GAL	GALLON	PRV	PRESSURE RELIEF VALVE	WM	WAJER METER
or CLR		GALV	GALVANIZED	PS	PIPE SUPPORT	WS	WATER STOP OF WATER SERVICE
•	CELING	GC	GROOVED COUPLING	PSI	POUNDS PER SQUARE INCH	WSL	WATER SERVICE LEVEL
, J	CORRUGATED METAL PIPE	GSP	GALVANIZED STEEL PIPE	F3I PV	PLUG VALVE	WSP	WELDED STEEL PIPE
	CONCRETE MASONRY UNIT	GV GSP	GATE VALVE	PVC	POLYVINYL CHLORIDE PIPE	M2h	WATER VALVE
	CLEAN OUT			PW	POTABLE WATER	WTP	
	COLUMN	HC	HALF COUPLING	R PW	RADIUS RADIUS	WWTP	WATER TREATMENT PLANT WASTEWATER TREATMENT PLANT
B.	COMBINATION	HD	HOLDOWN or HOT DIPPED	RCP	REINFORCED CONCRETE PIPE	** AATL	MASIEWAIER INCAIMENT PLANT
P	COMPACTED or COMPOSITION SHINGLES	HDPE	HIGH DENSITY POLYETHYLENE	RDW OR RDWD	REDWOOD REDWOOD		
С	CONCRETE	HMA	HOT MIX ASPHALT HORIZONTAL	RED OR RDWD	REDUCER		
ST	CONSTRUCTION	HORIZ					
ī	CONTINUOUS	HP	HORSE POWER or HEAT PUMP	REINF	REINFORCEMENT STEEL, REBAR		
TR	CONTRACTOR	HT	HEIGHT	REQ'D	REQUIRED		
P	CORPORATION	HVAC	HEATING, VENTILATION, AND AIR CONDITIONING	REST	RESTRAINED		
	COLLECTION PIPE or CONTROL PANEL	HZ	HERTZ.	RFCA	RESTRAINED FLANGED COUPLING ADAPTER		
	CORRUGATED POLYETHELENE PIPE	I	INSTRUMENTATION	RFMJA	RESTRAINED FLANGED MECHANICAL JOINT ADAPTER		
	CENTER	ID	INSIDE DIAMETER	RFG	ROOFING		
	COPPER	IEER	INTEGRATED ENERGY EFFICIENCY RATIO	RG	RETURN GRILLE		
	CHECK VALVE	IN WC	INCHES WATER COLUMN	RH	RODHOLE		
	DRAIN	INSUL	INSULATION	RLA	RATED LOAD AMPS		
	DIRECT BURIAL	INT	INTERIOR or INTERMEDIATE	RMJ	RESTRAINED MECHANICAL JOINT		
	DOUBLE	INV	INVERT	RO	ROUGH OPENING		
	DIAPHRAGM CONTROL VALVE	KV	KNIFEGATE VALVE	ROW	RIGHT OF WAY		
	DETAIL	L.	STEEL ANGLE	RPM	ROTATIONS PER MINUTE		
	DUCTILE IRON or DROP INLET	LAT	LATENT	RSP	ROCK SLOPE PROTECTOR		
	DUCTILE IRON PIPE	LF	LINEAR FOOT	RW	RAW WATER	•	
		LF LG	LIP OF GUTTER	\$	SLOPE		
u.	DIAMETER	LLA	LIQUID LEVEL ANALYZER	SCH or SCHED	SCHEDULE		
н	DIAPHRAGM	LVR	LOUVER	SD SCHED	STORM DRAIN		
	DIMENSION	L V IV					

			•	
	R IS C			
0"				1"
SHEE	T ON	UST S	CAL	THIS ES



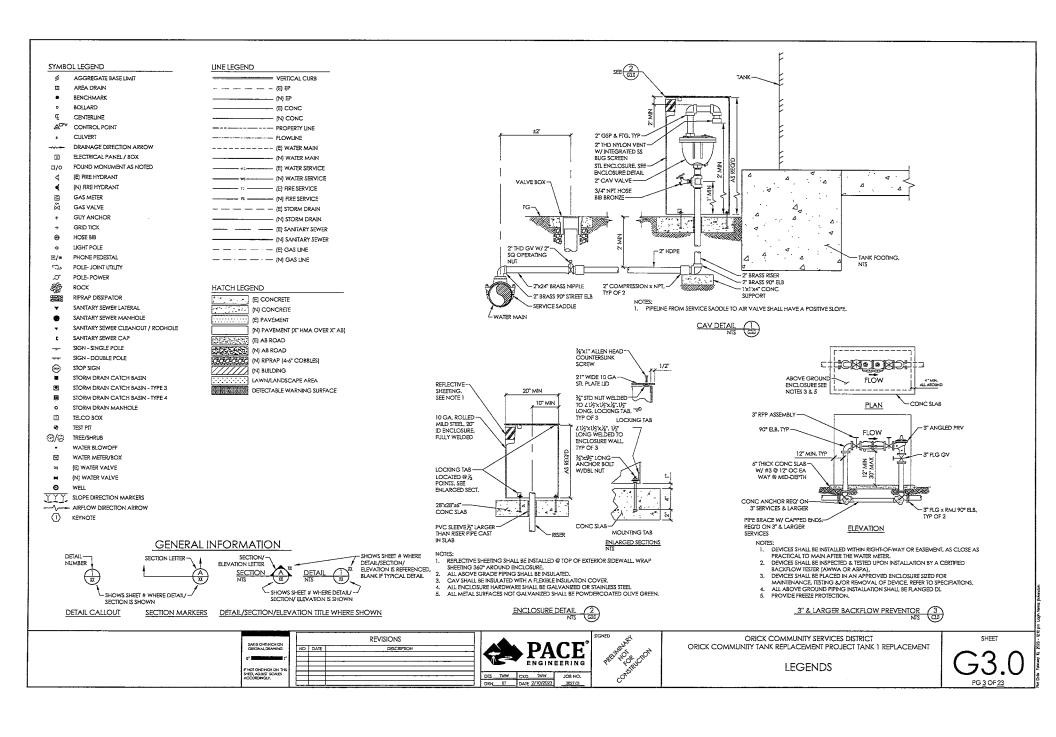


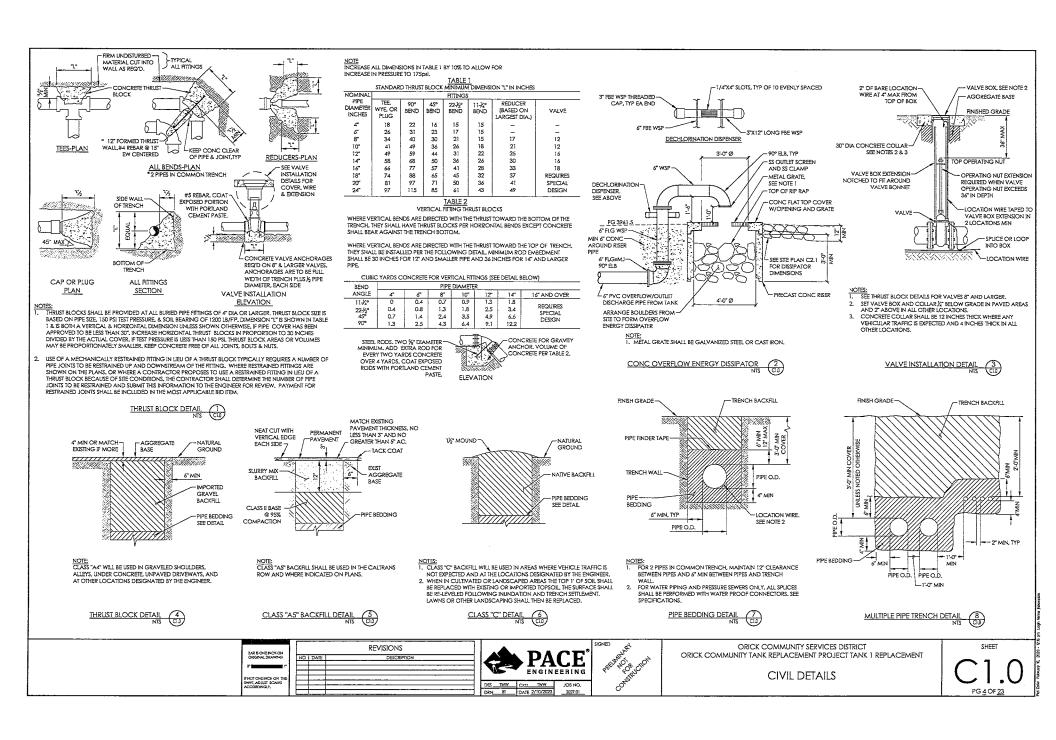


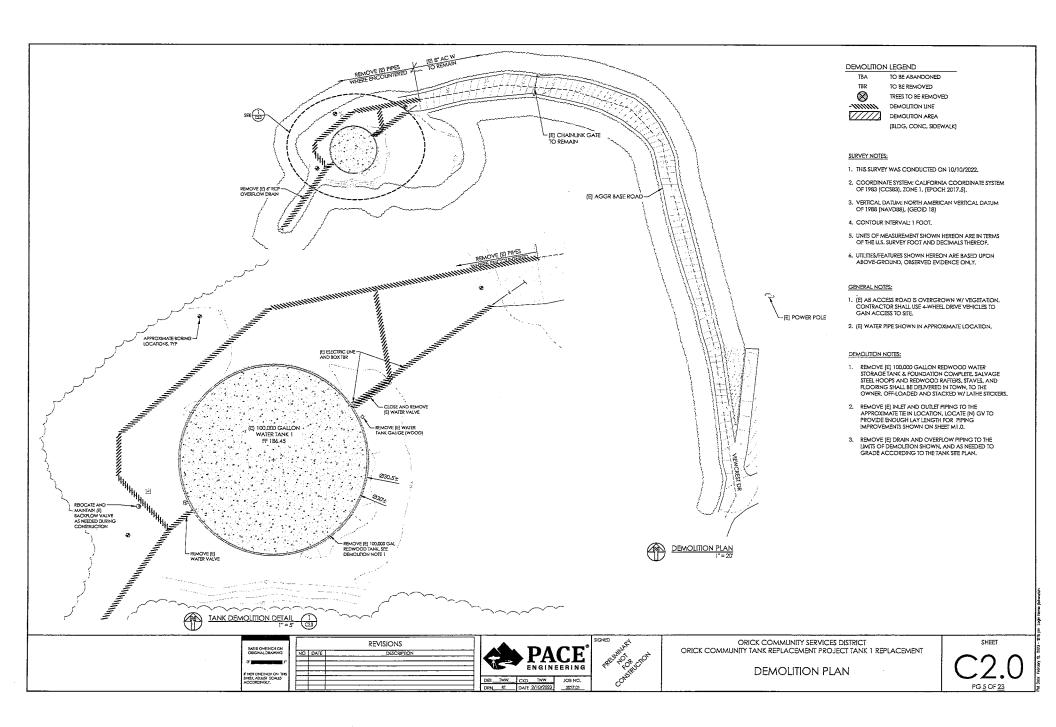
ORICK COMMUNITY SERVICES DISTRICT ORICK COMMUNITY TANK REPLACEMENT PROJECT TANK 1 REPLACEMENT

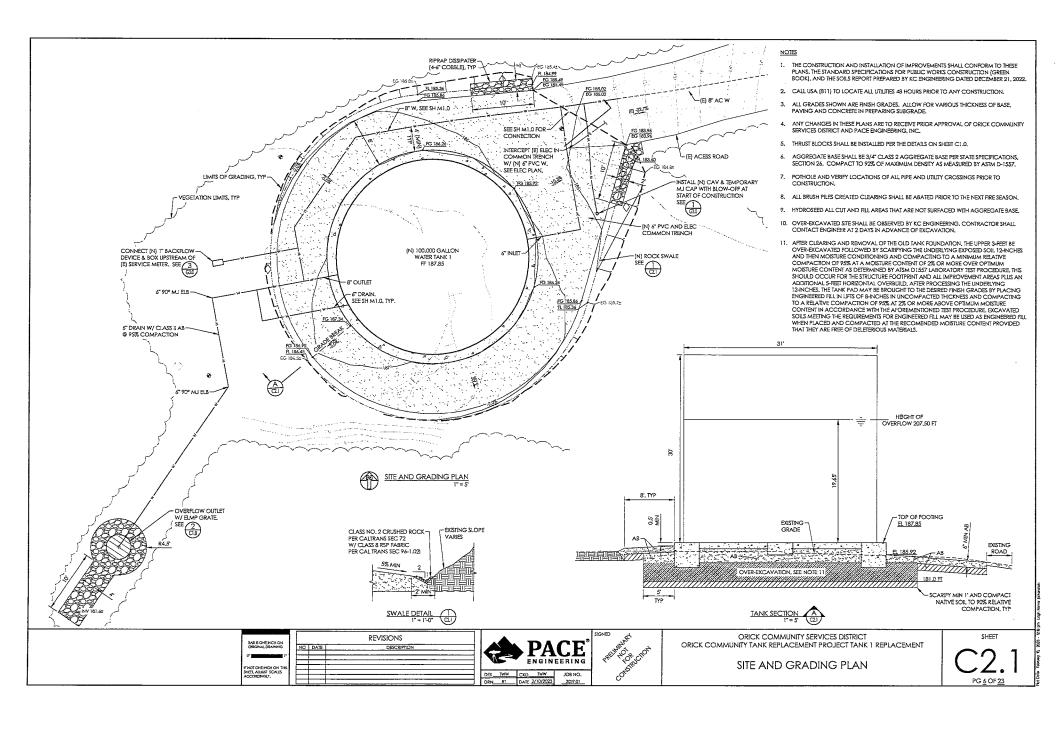
ABBREVIATIONS

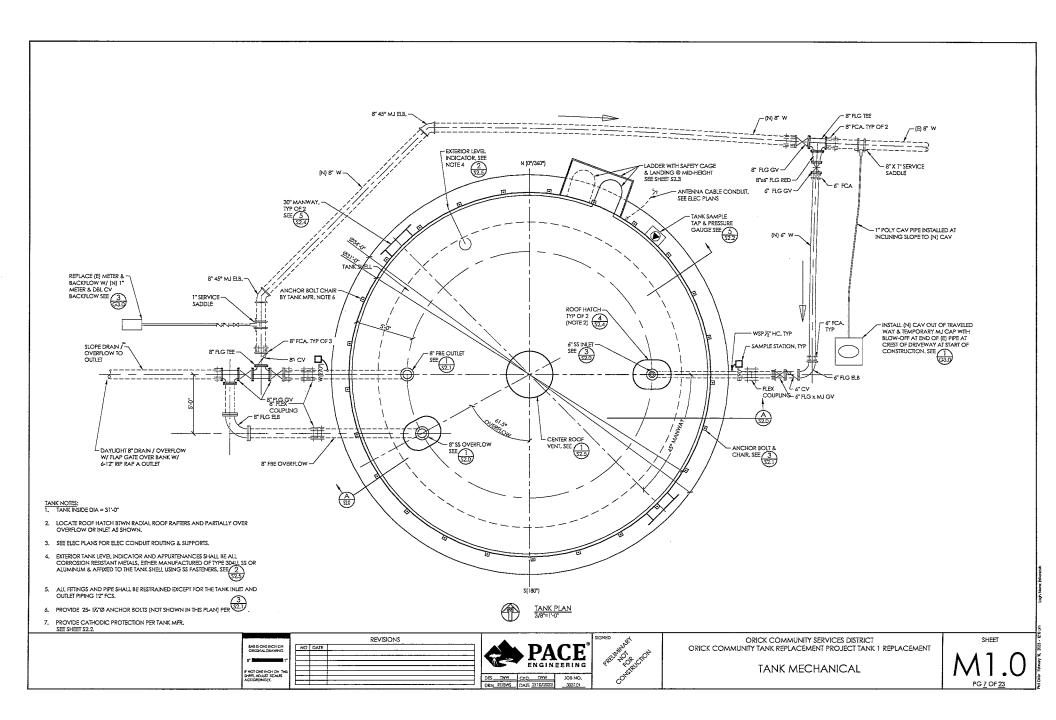
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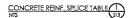
		λss	PUC	E LEN	GTH	TABL	E (SEI	NO	TES)									
ВА	R SIZE	3	4	5	6	7	1	3		9			10			11		28 DAY DESIGN
Mi	N COVER	3/4	3/4	3/4	1	1	1	2	1	2	2 1/2	1	2	21/2	1	2	3	COMPR STRENGTH
	TOP BAR	26	34	43	51	61	81	69	146	102	77	185	130	93	227	159	114	
Œ	OTHER	20	27	_33	39	48	62	53	111	78	59	142	99	71	174	123	87	2000 psi
H	TOP BAR	23	31	39	46	55	73	62	131	91	69	166	117	84	204	143	102	
5	OTHER	18	24	30	35	43	56	47	100	70	ß	128	89	64	156	110	78	2500 psi
品	TOP BAR	21	28	35	42	50	66	56	119	83	63	151	106	76	185	130	93	
13	OTHER	16	22	27	32	39	51	43	91	64	48	116	81	58	142	100	71	3000 psi
임	TOP BAR	18	24	30	36	43	57	48	103	72	55	131	92	65	160	112	80	
R	OTHER	16	19	23	28	33	44	37	79	56	42	101	70	50	123	86	62	4000 psi

- NOTES:

 1. TOP BARS INCLUDE HORIZONTAL BARS IN WALLS, BEAMS, FOOTINGS AND SLABS WITH MORE THAN 12 INCHES OF CONC CAST BELOW THE BAR.

 2. SEE PLANS FOR ACTUAL COVER.

 1. LAP SPUCE LENGTH SPECIFIED ELSEWHERE ON THE DRAWINGS SHALL GOVERN OVER THIS TABLE.



		Α	DHES	VE AN	CHOR	INSTA	LLATIO	N TABL	EINC	ONCE	RETE AN	ND CM	U
HILTI HY - 200 ADH						SIMPSON SET-XP ADH							
ROD	REBAR Ø	3/8	1/2	5/8	3/4	7/8	1	3/8	1/2	5/8	3/4	7/8	1
DRILL	ROD	7/16	9/16	3/4	7/8	1	1 1/8	1/2	5/8	3/4	7/8	1	1 1/8
BiT Ø	REBAR	1/2	5/8	3/4	7/8	I	1 1/8	1/2	5/8	3/4	7/8	1	I 1/8
INSTA	AUM ROD LLATION JE (FT-LBS)	15	30	60	100	125	150	10	20	30	45	60	80

- NOTES FOR INSTALLATION IN CONCRETE:

 1. INSTALLATION SHALL BEIN ACCORDANCE W/ MNFRS EVALUATION REPORT (FCC ESR 3187 FOR HILTI
 2. ICC ESR 2508 FOR SIMPSON) 2. INSTALLATION INSTRUCTIONS.

 2. SPECIAL INSPECTION IS REGO

- 2. SPECIAL INSPECTION IS REQ'D DURING INSTALLATION.
 3. MINIMUM BOJT EMBEDMENT & EDGE DISTANCE SHALL BE AS SHOWN ON THE DWGS.
 4. THER ROD SHALL BE ASTM A36, ASTM F1554 GR 36, OR HILTH HAS -V -36. WHERE SSTL ANCHORS ARE NOTED ON THE DRAWINGS, USE ASTM A193 GR 88 (TYPE 304SS), OR HILTH HAS -R 304 SS.
 5. EMSTING REINF STEEL SHALL BE LOCALED PRIOR TO ADH ANCHOR INSTALLATION.

- NOTES FOR INSTALLATION IN THE FACE OF POLLY GROUPD CMU!

 1. THE TABLE AND NOTES ABOVE FOR INSTALLATION IN CONCRETE APPLY EXCEPT AS NOTED IN 2 & 3 BELOW

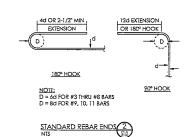
 2. INSTALLATION SHALL BE IN ACCORDANCE W/ MARIES SHAULATION REPORT (ICC ESR 3943 FOR HILTI &

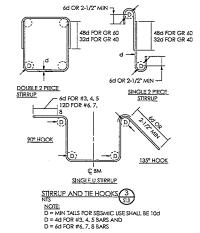
 IAPMO ER 265 FOR SIMPSON) & INSTALLATION INSTRUCTIONS.

 3. WHEN USING SIMPSON SETAY PEOVEY IN COMIL, ANCHORS SHALL HAVE « MINIMUM EDGE AND BND

 DISTANCE AND ANCHORS SHALL NOT BE LOCATED WITH 1 1/2" OF HEAD JOINTS PER MFR INSTRUCTIONS.





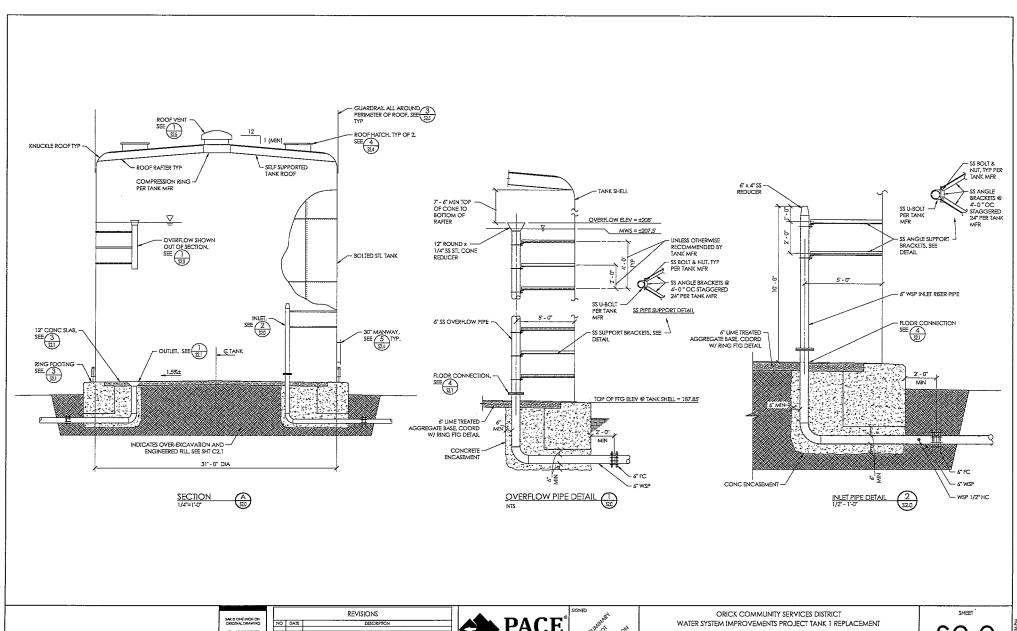


REVISIONS





ORICK COMMUNITY SERVICES DISTRICT WATER SYSTEM IMPROVEMENTS PROJECT TANK 1 REPLACEMENT

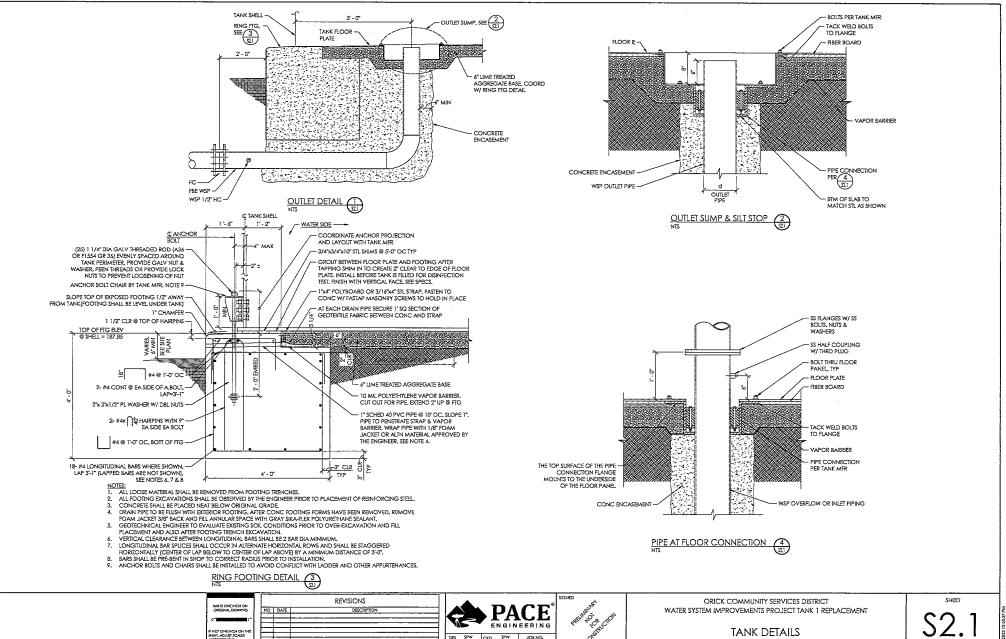


DES SPW CKD SPW

ovit Local Fles/3027.01 - Orck CSD -TANK 1\3027.01_5_Orck CSD-TANK 1_JEF_L201

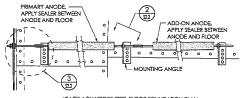
PG 9 OF 23

TANK SECTIONS & DETAILS



acal Flor\3027.01 - Orick CSD -tANK 1\3027.01_\$_Orick CSD:TANK 1_JEF_L20_v1

PG 10 OF 23



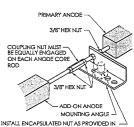
USAGE AQUASTORE STEEL FLOOR FOUNDATION PLAN VIEW OF ANODE IN ASSEMBLED POSITION

NOTES:

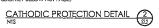
1. THIS CONSTRUCTION DETAIL IS INTENDED TO SHOW THE CATHODIC PROTECTION SYSTEM AS INSTALLED. SEE MER FOR DETAILED INSTALLATION INSTRUCTIONS.

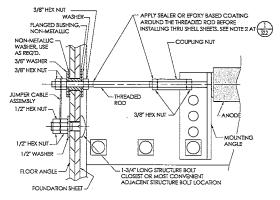
2. ALL INSTAPROVED SEALES AND EPOCY BASED COATINGS USED WHEN INSTALLING THE CATHODIC PROTECTION SYSTEM ARE TO BE SUPPLIED SY THE BUILDER.



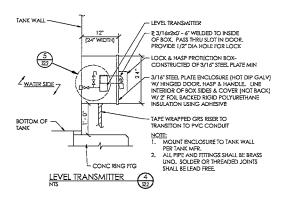


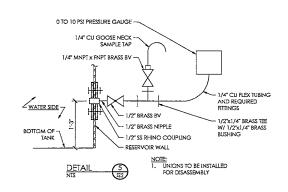
INSTALL ENCAPSULATED NOT AS PROVIDED IN THE AQUASTORE STEEL FLOOR FOUNDATION ASSEMBLY. NOTE: STRUCTURE BOLT IN GLASS FLOOR APPLICATIONS MAY BE FLUSH WITH OR SLIGHTLY BELOW NUT FACE.





CATHODIC PROTECTION DETAIL (3) NTS





REVISIONS

NO DATE PESCAPTION

REVISIONS

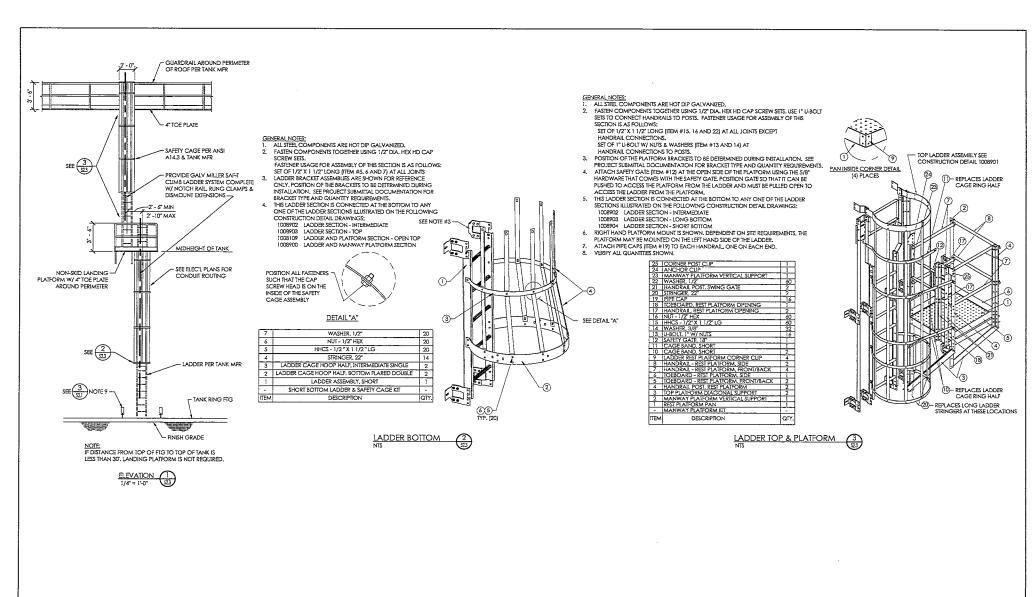


Petings

ORICK COMMUNITY SERVICES DISTRICT
WATER SYSTEM IMPROVEMENTS PROJECT TANK 1 REPLACEMENT

TANK DETAILS

\$1.2 PG_11_0F_23



BAR IS ONE INCH ON ORIGINAL DRAWING

O"BUTCH THE TOTAL OR THE SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS
NO DATE DESCRIPTION

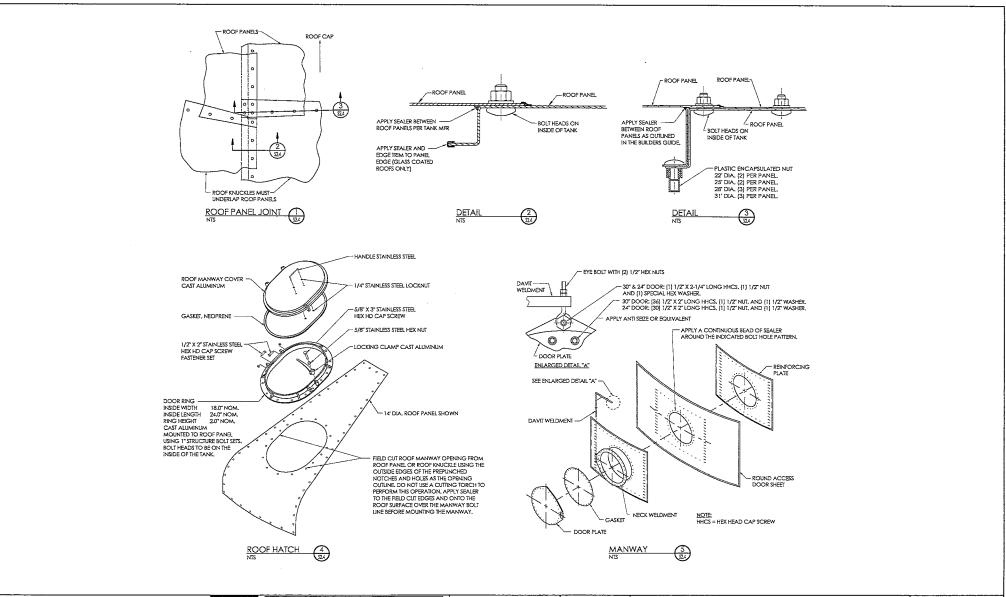


PRELIMINAL CONSTRUCTION

ORICK COMMUNITY SERVICES DISTRICT
WATER SYSTEM IMPROVEMENTS PROJECT TANK 1 REPLACEMENT

TANK DETAILS

\$12.3 PG_12_OF_23



SAR S CHEINCHON
ORIGINAL DRAWING

D***

I**

IF NOT CHEINCH ON THIS
SHEET, ADJUST SCALES
ACCORDINGLY

REVISIONS
SO DATE DESCRIPTION

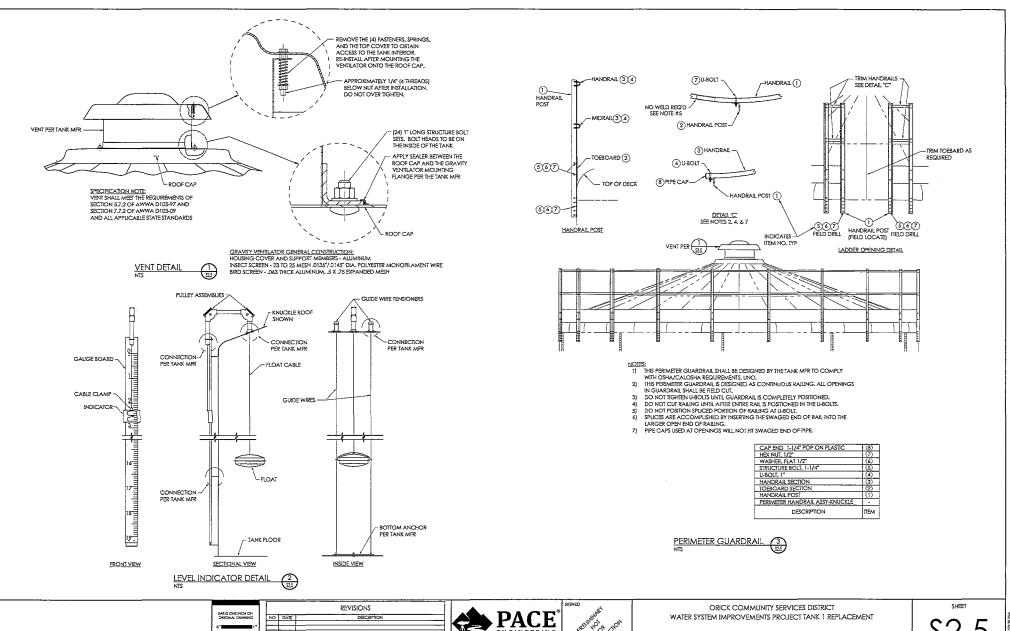


PEGINIAS TO SERVICION

ORICK COMMUNITY SERVICES DISTRICT WATER SYSTEM IMPROVEMENTS PROJECT TANK 1 REPLACEMENT

TANK DETAILS

\$2.4 PG_13_OF_23



DES SPW CKD SPW JOB NO.

a reacuse rm. Lacal Plas (3027.01 - Orick CSD -TANK 1/3027.01_S_Orick CSD-TANK 1_JEF_L20.vi

TANK DETAILS



ELECTRICAL SYMBOLS CONDUIT CONCEALED OF BURIED - - INDICATES FIRE RATED WALL ONDUIT UP - LA-Z HOME RUN-DESTINATION SHOWN TICK MARKS W/BARS INDICATES NUMBER OF #10 CONDUCTORS WITH #10 GROUND TICK MARKS WITHOUT BARS INDICATES NUMBER OF #12 CONDUCTORS WITH #12 GROUND 1. INDICATES D-10V DIMMING CABLE "SE" INDICATES CAISE CABLE, "CL" INDICATES 0-10V DIMMING AND COLOR TUNING CABLE JUNCTION BOX CONNECTION POINT (CONTRACTOR SHALL DETERMINE CONNECTION CONFIGURATION) LOW VOLTAGE DEVICE BOX DUPLEX RECEPTACLE QUADRUPLEX RECEPTACLE ■G CONTROLLED SPUT DUPLEX RECEPTACLE QUADRUPLEX RECEPTACLE: (1) CONTROLLED SPUT DUPLEX RECEPTACLE. (1) DUPLEX RECEPTACLE SINGLE OR THREE PHASE RECEPTACLE. SEE PLAN SHEETS TYPE PER LOCATION FE FLOOR BOX PULLBOX XXA/XXF 6DAS/20F 60A DISCONNECT / 20A FUSE XX WP NEMA 3R 60AS/20F WP 60A DISCONNECT NEMA 3R NON-FUSED DISCONNECT MAJOR ELECTRICAL COMPONENT OR DEVICE NAME OR IDENTIFYING SYMBOL AS SHOWN SURFACE MOUNT PANELBOARD FLUSH MOUNT PANELBOARD EXOTHERMIC WELD, TERMINATION OR SPLICE POINT GROUND ROD GROUNDING ELECTRODS _____ CIRCUIT BREAKER (#) KEYNOTE INDICATES INTERCONNECTION OF PATHWAYS AND/OR CONDUCTORS, E.G., 4°C-4#500,1 #3G [MSB ; PNL A] INDICATES CONDUIT AND CONDUCTORS ROUTED FROM THE MAIN SWITCHBOARD TO PANELBOARD A. 28 00 00 SPECIFICATION NUMBER REFERENCE TAG, CONFORMANCE TO PROJECT SPECIFICATIONS IS REQUIRED, WHERE TAGS ARE SHOWN ON THE DRAWNINGS. IT IS THE ENGINEEYS RIPORT TO RASE ADDITIONAL AWARENESS TO PRODUCTS OR EXECUTION METHODS THAT ARE CRITICAL, ATPIFECA, OR NOT DEPRESSING DETAILED ON THE NOTE: THIS IS A SUPPLEMENTAL STANDARD ELECTRICAL LEGEND, SOME SYMBOLS MAY APPEAR ON THIS LEGEND AND NOT ON THE PLANS, SEE LIGHTING CONTROL SHEET FOR LIGHTING LEGEND.

CAL ABBREVIATIONS

-ANAMER, AMPER
-A NOTE: THIS IS A SUPPLEMENTAL STANDARD LEGEND, SOME SYMBOLS OR ABBREVIATIONS MAY APPEAR ON THIS LEGEND AND NOT ON THE PLANS

ELECTRICAL ABBREVIATIONS

COMPLY WITH APPLICABLE CODES

CODE
 CODE

REVISIONS BAR IS ONE INCH ON ORIGINAL DRAWING NO DATE DESCRIPTION F NOT ONE INCH ON THE PIECT, ADJUST SCALES ACCORDINGLY DRN___BW ___DATE__2/10/23



ORICK COMMUNITY SERVICES DISTRICT WATER SYSTEM IMPROVEMENTS PROJECT TANK I REPLACEMENT

ELECTRICAL SYMBOLS & ABBREVIATIONS

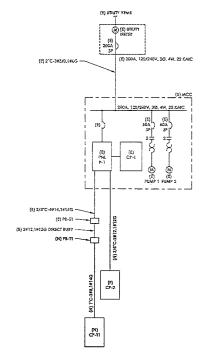
SHEET PG 15 OF 23

2/10/2023 12:04:40 PM



(N) 3/C-54ANG BARE CU
CONDUCTOR (C)
(N) 3/C-54ANG BARE CU
CONDUCTO

CONDUCTORS - ONE-LINE DIAGRAM (2)



OFFICE/TANK 1 - ONE-LINE DIAGRAM (2)

(E) F LOCATIO MOUNTIN ENCLOSE	NG TYPE :	REC ROOM (URFACE NEMA)	(LABEL PA)	P-1 VOLIS WIRES CIRCUIT ELBOAR		ORDING TO	120/240 3 12 NAMING C	SINGLE	S LISTED IN E		AIC RA BUS RA MAIN B AL SPEC	FING 225 / REAKER		
CKT	HOME RUN		LOAD NAME	TRIP	INTTYPE	А	В	A	В	INT TYPE	TRIP	LOAD NAME	HOME RUN	СКТ
1		(E)	(E) EXTERIOR LIGHTING	20 A		500 VA	4646600	500 VA	PR 1865/87	1	20 A	(E) INTERIOR LIGHTING & VENT FAN	(E)	2
3		(E)	*(E) LOAD/(E) LOAD	20 A	j	Line Control	500 VA	SHEET AND THE	500 VA		20 A	(E) INTERIOR RCPTS	(E)	4
5		(E)	(E) CONTROL/ALARM	15 A		500 VA	81200	500 VA	É PARAMA		20 A	(E) OFFICE LOAD	(E)	6
7			SPACE	-			-	Silver all sea	500 VA		30 A	(E) OFFICE LOAD	佢	8
9			SPACE	_		_	州門城市安	500 VA	The same of		30 A	(E) OFFICE LOAD	(E)	10
11	(N) 2#12,1	#12G	(N) TANK T	20 A		and Notice	1200 VA	grenation	_		-	SPACE		12
						PHA	SE A	PHA	SE B	Notes:	*SPLIT 8	REAKER		\Box
			1	OJ JATC	AD (VA)	2500) VA	2700	D VA					
г			TOT	AL LOAD	(AMPS)	2	9	2	13	1				

ARE SIGNE INCHONE

AND DATE DISCRIPTION

TO THE NICH ON IN 66

EX PLAIRS THE ASS.



ORICK COMMUNITY SERVICES DISTRICT WATER SYSTEM IMPROVEMENTS PROJECT TANK 1 REPLACEMENT

OFFICE/TANK 1 - ONE-LINE DIAGRAMS

E2.0

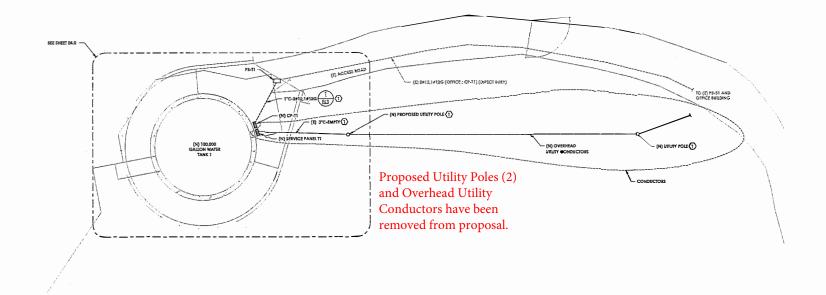
NOTE

- THE CONTROL AND NEXTLA IN A COCREM-COLUMN FOR SERVICE SER

GENERAL NOTES

NOTE

CONTRACTOR SHALL HAVE THE NEW INSTRUMENTATION INSTALLED PRIOR TO THE DEMOUTION OF ANY INSTRUMENTATION AT THE TANK STE.



TANK 1 - ELECTRICAL SITE PLAN

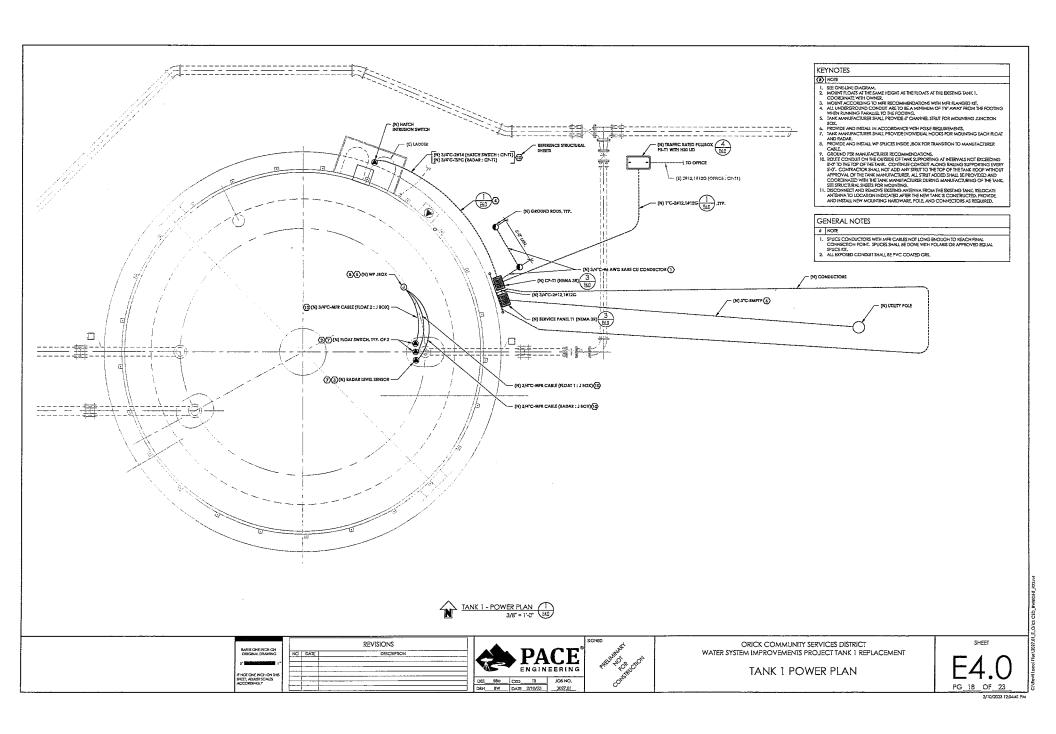
1" = 10'-0"

REVISIONS



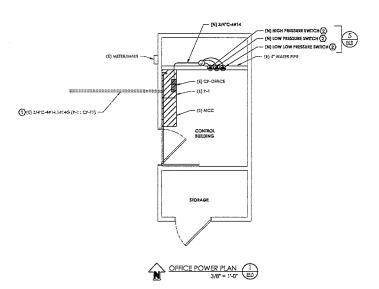
ORICK COMMUNITY SERVICES DISTRICT WATER SYSTEM IMPROVEMENTS PROJECT TANK 1 REPLACEMENT

TANK 1 - ELECTRICAL SITE PLAN



KEYNOTES NOTE

- I. DISCONNECT CONDUCTORS FROM RECEPTACLE AND RECONNECT CONDUCTORS TO PANEL PI CUT #11.
 SETEROLE MECHANICAL DETAIL FOR INSTALLATION OF PRESSURE SWITCH AND SUPPORTING EQUIPMENT.



IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

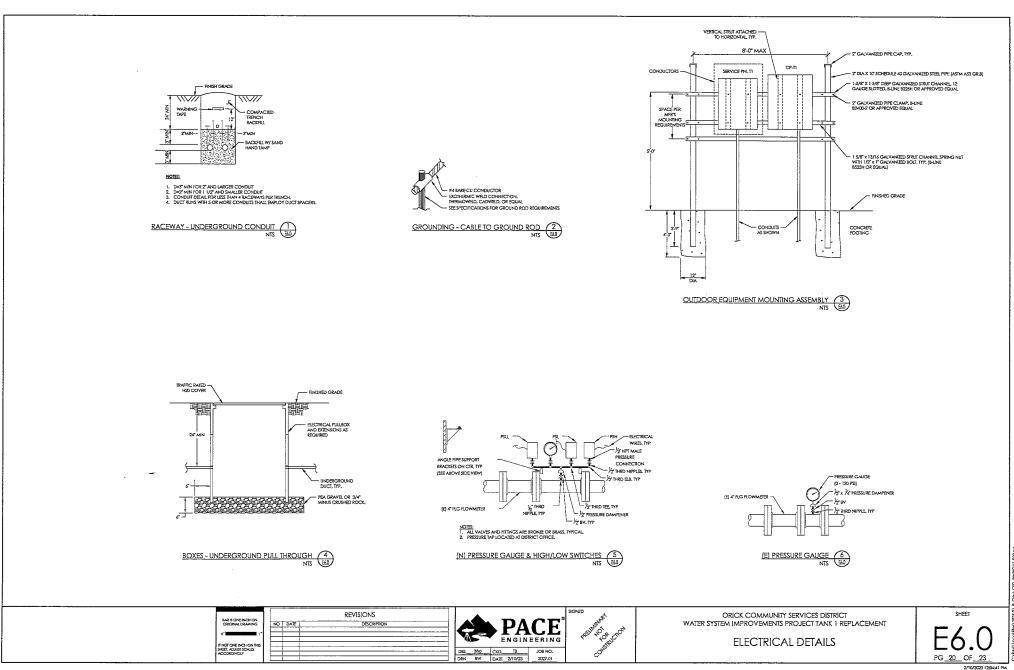
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ORICK COMMUNITY SERVICES DISTRICT WATER SYSTEM IMPROVEMENTS PROJECT TANK I REPLACEMENT

OFFICE POWER PLAN

PG 19 OF 23



	CONDUIT DROSED
	CONDUIT CONCEALED OR BURIED
(3)	MOTOR, HORSEPOWER INDICATED
=⊕	CONVENIENCE RECEPTACLE. DUPLEX UNLESS SPECIFIED OTHERWISE
∞ 🗀:	NON-FUSED DISCONNECT, SIZE INDICATED 3-POLE UNLESS INDICATED OTHERWISE
60/40 FJ	PUSED DISCONNECT, SIZE INDICATED (60/40, 60=SWITCH RATING; 40=FUSE RATING) 3-POLE UNLESS INDICATED OTHERWISE
2⊠	STARTER MAGNETIC, NEMA SIZE INDICATED
2 🔀 ⊔	COMBINATION MAGNETIC STARTER, NEMA SIZE INDICATED
	CONTACT-NORMALLY OPEN W/ NEMA SIZE INDICATED AS APPLICABLE
	CONTACT-NORMALLY CLOSED W/ NEMA SIZE INDICATED AS APPLICABLE
-Hit	TIME DELAY RELAY CONTACT, TIMED TO CLOSE
-11 <u>10</u> 2	TIME DELAY RELAY CONTACT, TIMED TO OPEN
o⊣⊢o	REMOTE DEVICE
	RELAY COIL: CR=CONTROL RELAY TDR=filmé DELAY RELAY
- \sigma	OVERLOAD RELAY, E=ELECTRONIC
-1-VC-	MAGNETIC STARTER W/ NEMA SIZE INDICATED
	CIRCUIT BREAKER, MAGNETIC TRIP ONLY, FRAME SIZE SHOWN, 3-POLE UNLESS INDICATED OTHERWISE
	CIRCUIT BREAKER, THERMAL MAGNETIC TRIP SHOWN, 3-POLE UNLESS INDICATED OTHERWISE
<u></u>	SWITCH-CURRENT RATING INDICATED, 3-POLE UNLESS INDICATED OTHERWISE
	UGHINING ARRESTOR
	RUSE
Ţ	GROUNDED SHIELD CONNECTION
	GROUND
120V 1200V	TRANSFORMER, SECONDARY VOLTAGES, PHASE AND RATING INDICATED AS APPUICABLE
-d-le-	PUSH BUTTON SWITCH, NORMALLY OPEN
-0.L-	PUSH BUTTON SWITCH, NORMALLY CLOSED
- <u>-</u>	PUSH-TO-TEST INDICATING LIGHT / LETTER INDICATES COLOR: A-AMBER, B-BLUE, C-CLEAR, G-GREEN, R-RED, W-WHITE
امر _م د	SELECTOR SWITCH-MAINTAINED CONTACT: X=CLOSED CONTACT POSITION
FRE	MOTOR SPACE HEATER
	FLOW SWITCH OPENS ON INCREASE IN FLOW
-0-	FLOW SWITCH CLOSES ON INCREASE IN FLOW
-o.Lo-	FLOAT SWITCH OPENS ON RISING LEVE.
	FLOAT SWITCH CLOSES ON RISING LEVEL
<u>~</u> }~	PRESSURE OR VACUUM SWITCH OPENS ON RISING PRESSURE
<u> </u>	PRESSURE OR VACUUM SWITCH CLOSES ON RISING PRESSURE
- <u>F</u> -	TEMPERATURE SWITCH OPENS ON RISING TEMPERATURE
	TEMPERATURE SWITCH CLOSES ON RISING TEMPERATURE
÷ℚ	RTU/PLC DISCRETE OUTPUT
	RTU/PLC DISCRETE INPUT
NOTE: I. THIS IS A SUPP. THE PLANS.	EMBNTAL STANDARD INSTRUMENTATION LEGEND. SOME SYMBOLS MAY APPEAR ON THIS LEGEND AND NOT ON

Α	- AMMETER, AMPERE
AC A/C	- ALTERNATING CURRENT - ANALYZER INDICATING CONTROLLER
AIR	- AIR OR AIR COMPRESSOR
AIT	- ANALYZER INDICATING TRANSMITTER
B BFCV/S	- BLOWER - SOLENOID BUTTERFLY CONTROL VALVE
BFV/M	- MOTORIZED BUTTERFLY CONTROL VALVE
BFV/P	PNEUMATIC BUTTERFLY CONTROL VALVE
BV	-BALL VALVE
BV/M BV/S	- MOTORIZED BALL VALVE - SOLENOID BALL VALVE
BW BW	- BACKWASH
¢	- CONTACTOR/CONDUIT
C3	- CIRCUIT BREAKER
CRI	- CABLE - CIRCUIT
COMP	- COMPRESSOR
CON	- CONVEYOR
COND CP	- CONDUIT - CONTROL PANEL
CPT	- CONTROL PANEL TRANSFORMER
CR	- CONTROL RELAY
DC	- DIRECT CURRENT
DI DI	- DIGITAL INPUT
DO DPT	- DISSOLVED OXYGEN OR DIGITAL OUTPUT - DIFFERENTIAL PRESSURE TRANSMITTER
DS	- DOOR SWITCH
(E) or EXIST	- EXISTING
EF ENC	- EXHAUST FAN - ENCLOSURE
FIM	- ELAPSED TIME METER
ForFAN	- FAN
FIT	-FLOW INDICATING TRANSMITTER
FS G	- FLOW SWITCH - GROUND
GE	- GROUND FAULT CIRCUIT INTERRUPT
H	- HEATER OR HEAT TRACE
HS.	- HAND SWITCH
L LA	- LINE POWER - LIGHTNING ARRESTOR
LS	- LEVEL SWITCH OR LIMIT SWITCH
LIT	- LEVEL INDICATING TRANSMITTER
M	- MOTOR OR FLOW METER ELEMENT
MCC MFR	MOTOR CONTROL CENTER MANUFACTURER
N	- NEUTRAL
NA	- NON-AUTOMATIC
NEC NEMA	- NATIONAL ELECTRIC CODE - NATIONAL ELECTRIC MANUFACTURER'S ASSOCIATION
OIT	- OPERATOR INTERFACE TERMINAL
OL.	- OVERLOAD RELAY
P	- PUMP
PS PIT	- PULL BOX - PRESSURE INDICATING TRANSMITTER
PLC	- PROGRAMMABLE LOGIC CONTROLLER
PNL	- PANELBOARD
PS PS	- PRESSURE SWITCH
PV/M QI	- MOTORIZED PLUG VALVE -INDICATING LIGHT
RECIEPT	- RECEPTACLE
RTU	- REMOTE TELEMETRY UNIT
RW SPD	- RECYCLE WATER - SURGE PROTECTION DEVICE
SV	- SURGE PROJECTION DEVICE: - SOLENOID VALVE
sw	- SWITCH
7	- TELE CONDUIT OR TURBIDIMETER
TDR TS	- TIME DELAY RELAY - THERMOSTAT OR TEMPERATURE SWITCH
π	- TEMPERATURE INDICATING TRANSMITTER
TYP	-TYPICAL
UH	- UNIT HEATER
UPS	- ULTRAVIOLET TRANSMITTANCE TRANSMITTER - UNINTERRUPTIBLE POWER SUPPLY
UV	- ULTRAVIOLET
UVT	- ULTRAVIOLET TRANSMITTANCE
V	- VOLIMETER, VOLT
VFD VIT	- VARIABLE FREQUENCY DRIVE - VACUUM INDICATING TRANSMITTER
w	- WACDUM INDICATING TRANSMITTER - WATT
WIT	- WEIGHT INDICATING TRANSMITTER
WP XFMR	WEATHERPROOF (NEMA 4) TRANSFORMER
ZS XFMR	- ZERO SPEED SWITCH
_	market or the order of the order

BAR IS ONE INCH ON ORIGINAL DRAWING

O" 1"

IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES

REVISIONS

NO DATE DESCRIPTION



SELLIMINES CONSTRUCTION CONSTRUCTION

ORICK COMMUNITY SERVICES DISTRICT WATER SYSTEM IMPROVEMENTS PROJECT TANK 1 REPLACEMENT

INSTRUMENTATION SYMBOLS & ABBREVIATIONS

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