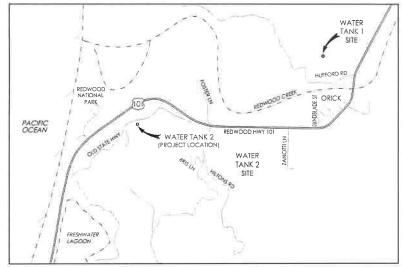
### ORICK COMMUNITY SERVICES DISTRICT

## WATER SYSTEM IMPROVEMENTS PROJECT MAR 1 6 2023

**TANK 2 REPLACEMENT** 

FUNDED IN PART BY DRINKING WATER STATE REVOLVING FUND (DWSRF) PROJECT No. 1200701 - 001C





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Humboldt County

PLANNING

# VICINITY MAP

#### **BOARD OF DIRECTORS**

- RON BARLOW - ROBERT SECOR, JR. -BYRON FRICK

CHAIRMAN VICE CHAIRMAN BOARD MEMBER

- DOUG COMSTOCK - BRIANNA DENLIS

BOARD MEMBER BOARD MEMBER

OCSD STAFF

- TREVOR AVRAM MAINTENANCE MANAGER

#### PACE DESIGN TEAM

-TOM WARNOCK

PROJECT MANAGER STRUCTURAL ENGINEER

- STEVE WILSON - TONY BOWSER

ELECTRICAL ENGINEER

- SEAN MCGUIGAN

STAFF ENGINEER ENGINEERING TECHNICIAN - BRYAN STUTCHMAN







@ Ø	- WATER/MECHANICAL  AT DIAMETER	DWG DWG
t or PL	PLATE OR PROPERTY LINE	D/W
AB	ANCHOR BOLT, AGGREGATE BASE	E
AC	ASBESTOS CEMENT PIPE or ASPHALT CONCRETE	(E) or EXIST
AD	AREA DRAIN OF AEROBIC DIGESTER	EA
ADDN'L	ADDITIONAL	EER
ADH AB	ADHESIVE ANCHOR BOLT	EF
AFF AGG or AGGR	ABOVE FINISH FLOOR AGGREGATE	EL or ELEV ELB
AIR	ANALYZER INDICATING RECORDER	EMBED
AIT	ANALYZER INDICATING TRANSMITTER	EN
ALUM	ALUMINUM	ENGR
APPROX	APPROXIMATELY	EP
ARV	AIR RELEASE VALVE	EQ
ASOV	AUTOMATIC SHUTOFF VALVE	EQUIP
ASSY	ASSEMBLY	ER
ASTM	AMERICAN SOCIETY FOR TESTING OF MATERIALS	ESMIT
AV	AIR VALVE	ESP
BCV	BACKWATER CHECK VALVE OR BUTTERFLY	EW
BFM	CONTROL VALVE OR BALL CHECK VALVE BONDED FIBER MATRIX	EXP AB EXP JT
REV	BUTTERFLY VALVE	EXT
BCV/M	BUTTERFLY VALVE W/ MOTOR ACTUATOR	É
BCV/P	PNEUMATIC OPERATED BUTTERFLY VALVE	FBE
BHP	BRAKE HORSE POWER	FC
BKFL	BACKFILL	FCA
BLDG	BUILDING	FD
BLK	BLOCK	FE
BLKG	BLOCKING	FF
BM BO	BENCH MARK OR BEAM BLOW OFF OF BLOCK-OUT	FG or FIN GF FH
воп	BOTTOM	fHWS
BV	BALL VALVE	FIN
BW	BACKWASH	FL
C or C/L or Q	CENTERLINE	FLA
C or COND	CONDUIT	FLG
CAV	COMBINATION AIR RELEASE VALVE	FLR
CCP	CONCRETE CYLINDER PIPE	FMJA
CFE	COMBINED FILTER EFFLUENT	FND
CFM	CUBIC FEET PER MINUTE	FPM
CI CIP	CAST IRON PIPE CAST IN PLACE	FRP FTG
CISP	CAST IRON SOIL PIPE	PW
CI	CONTROL JOINT or CEILING JOIST	GA
CL or CLR	CLEAR	GAL
CLG	CELING	GALV
CMP	CORRUGATED METAL PIPE	GC
CMU	CONCRETE MASONRY UNIT	GSP
co	CLEAN OUT	GV
COL	COLUMN	HC
COMB	COMBINATION	HD HDPE
COMP CONC	COMPACTED or COMPOSITION SHINGLES CONCRETE	HMA
CONST	CONCRETE	HORIZ
CONT	CONTINUOUS	HP
CONTR	CONTRACTOR	HT
CORP	CORPORATION	HVAC
CP	COLLECTION PIPE or CONTROL PANEL	ΗZ
CPP	CORRUGATED POLYETHELENE PIPE	1
CTR	CENTER	ID_
CU	COPPER	IEER
CV	CHECK VALVE	IN WC INSUL
D DB	DRAIN	INT
DBL DBL	DIRECT BURIAL DOUBLE	INV
DCA	DUBLE DIAPHRAGM CONTROL VALVE	KV
DET	DETAIL	î'
DI	DUCTILE IRON or DROP INLET	LAT
DIP	DUCTILE IRON PIPE	LF
DIA	DIAMETER	LG
DIAPH	DIAPHRAGM	LLA.
DIM	DIMENSION	LVR

	EL or ELEV
	ELB
	EMBED
	EN
	ENGR
	EP.
	EQ
	EQUIP ER
RIALS	ESMI
RIALD.	ESP
	EW
	EXP AB
	EXP JT
	EXT
	F
	FRE
	FC FCA
	FCA
	FD
	FE
	FF
	FG or FIN GR
	FH
	fHW\$
	FIN
	FL.
	FLA
	FLG
	FLR
	FMJA
	FND
	FPM
	FRP
	FTG
	FW
	GA.
	GAL.
	GALV GC
	GSP
	GV GSF
	HC
	HD
	HDPE
	HMA
	HORIZ
	HP
	HT
	HVAC
	HVAC HZ
	1
	ID
	IEER
	IN WC
	INSUL
	INT
	INV
	KV
	L
	LAI
	LF
	LG
	LLA
	LVR

ENGR	ENGINEER
EP	EDGE OF PAVEMENT
EQ	EQUAL
EQUIP	EQUIPMENT
ER	EDGE OF ROAD
ESMT ESP	EASEMENT CONTROL OF THE CONTROL OF T
EW	EXTERNAL STATIC PRESSURE
EXP AB	EACH WAY
EXP JT	EXPANSIVE ANCHOR BOLT EXPANSION JOINT(S)
EXT	EXTERIOR SOLIVIS)
ř.	FENCE or FEMALE
FBE	FUSION BONDED EPOXY
FC	FLEXIBLE COUPLING
FCA	FLANGED COUPLING ADAPTOR
FD	FRENCH DRAIN OR FLOOR DRAIN
FE	FILTERED EFFLUENT
FF	FINISHED FLOOR or FAR FACE
FG or FIN GR	FINISH GRADE
FH	FIRE HYDRANT or FULL HEIGHT
fHWS	FLAT HEAD WOOD SCREW
FIN	FINISH
FL.	FLOW LINE
FLA FLG	FULL LOAD AMPS FLANGE
FIR	FLOOR
FMJA	FLANGE x MJ ADAPTER
FND	FOUNDATION
FPM	FEET PER MINUTE
FRP	FIBER REINFORCED POLYETHYLENE
FTG	FOOTING
PW	FILTERED WATER
GA	GAGE
GAL	GALLON
GALV	GALVANIZED
GC	GROOVED COUPLING
GSP	GALVANIZED STEEL PIPE
GV	GATE VALVE
HC	HALF COUPLING
HD	HOLDOWN or HOT DIPPED HIGH DENSITY POLYETHYLENE
HDPE HMA	HOT MIX ASPHALT
HORIZ	HORIZONTAL
HP	HORSE POWER OF HEAT PUMP
HĪ	HEGHT
HVAC	HEATING, VENTILATION, AND AIR CONDITIONING
HZ	HERTZ
1	INSTRUMENTATION
ID .	INSIDE DIAMETER
IEER	INTEGRATED ENERGY EFFICIENCY RATIO
IN WC	INCHES WATER COLUMN
INSUL	INSULATION
INT	INTERIOR OF INTERMEDIATE
INV	INVERT
KV	KNIFEGATE VALVE STEEL ANGLE
LAT	LATENT
IF.	LINEAR FOOT
LG	LIP OF GUTTER
U.A.	LIQUID LEVEL ANALYZER
LVR	LOUVER

DOWN
DRAWING
DRIVEWAY
ELECTRICAL CONDUIT
EXISTING

ELBOW EMBED OF EMBEDMENT

ENERGY EFFICIENCY RATIO

EACH

EXHAUST FAN ELEVATION

EDGE NAILING ENGINEER

	M MECH MAX MCA MCA MCC MFR MG MH MIN MIN MOCE MRS MIL MWS (N) NB&G NF NIC NO. NPT NPT NPT NPT MAX
	NTS O/ O/F OC OCSD OD OF OG
	OPG or OPNG OPP PDJ P&ID or PID PE PER PH PNI PNI #
	PP PR PREFAB PROJ PRSV PRV PS PSI PV PV PV PV PW
IONING	R RCP RDW OR RDWD RED REINF REQ'D REST RFCA RFMJA RFG RFG RG
	RH RLA RMJ RO ROW RPM RSP RW S SCH or SCHED SD

FRV	FRESSURE RELIEF VALVE
P\$	PIPE SUPPORT
PSI	POUNDS PER SQUARE INCH
PV	PLUG VALVE
PVC	POLYVINYL CHLORIDE PIPE
PW	POTABLE WATER
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
RDW OR RDWD	REDWOOD
RED	REDUCER
REINF	REINFORCEMENT STEEL, REBAR
REQ'D	REQUIRED
REST	RESTRAINED
RFCA	RESTRAINED FLANGED COUPLING ADAPTER
RFMJA	RESTRAINED FLANGED MECHANICAL JOINT ADAPTER
RFG	ROOFING
RĢ	RETURN GRILLE
RH	RODHOLE
RLA	RATED LOAD AMPS
RMJ	RESTRAINED MECHANICAL JOINT
RO	ROUGH OPENING
ROW	RIGHT OF WAY .
RPM	ROTATIONS PER MINUTE
RSP	ROCK SLOPE PROTECTOR
RW	RAW WATER
\$	SLOPE
SCH or SCHED	SCHEDULE

ESTRAINED MECHANICA OUGH OPENING IGHT OF WAY OTATIONS PER MINUTE OCK SLOPE PROTECTOR AW WATER SLOPE SCHEDULE STORM DRAIN

MALE OF MECHANICAL MECHANICAL MAXIMUM

MILLION GALLONS

MISCELLANEOUS

MANHOLE MINIMUM

OVER OVERFLOW ON CENTER

MINIMUM CIRCUIT AMPACITY MOTOR CONTROL CENTER MANUFACTURER

METAL

MAXIMUM WATER SURFACE

NEW NUTS, BOLTS, & GASKETS

NEAR FACE NOT IN CONTRACT NUMBER NATIONAL PIPE THREAD NOT TO SCALE

OUTSIDE DIAMETER OUTSIDE FACE ORIGINAL GROUND

OVERHEAD OPENING

MBC-ELLANEOUS
MECHANICAL JOINT
MAXIMUM OVERCURRENT PROTECTION
MECHANICAL RUBBER SEAL

ORICK COMMUNITY SERVICES DISTRICT

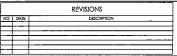
OPPOSITE
PUMP DISMANTLING JOINT
PROCESS INSTRUMENTATION DIAGRAM

PROCESS INSTRUMENTATION DIAGRAM
PLAIN END
PERMETER
PHASE
PANE
PAINT
POUND
POWER POLE
PAR
PREFABRICATED
PROJECT
PRESSURE REDUCING SOLENOID VALVE
PRESSURE RELIEF VALVE
PIPES SUPPORT

SECTION SENSIBLE SUPPLY GRILLE SINGLE SHEET SHEATHING, SHEETING SHEATHING, SHEETING
SIMILAR
SHEET METAL SCREW
SHOWN OUT OF SECTION
SPACE OF SPACES OF STATIC PRESSURE
SPECIFICATIONS SQUARE SANITARY SEWER OF STAINLESS STEEL STANDARD STEEL STRUCTURAL SURFACE WASH
STORM WATER MANHOLE
SYMMETRICAL
TELEPHONE CONDUIT or TOP TOP AND BOTTOM
TOP BACK OF CURVE
TRAVELING BRIDGE FILTER
TEMPORARY BENCH MARK
TOP OF CONCRETE TELEPHONE THREADED THICK OF THICKNESS THICK OF THICKNESS
TRAFFIC LID
TOE NAIL
TOP OF WALL
THRUST RESTRAINT
TYPICAL
UNDER GROUND
LITRASONIC LEVEL TRANSMITTER
UNLESS NOTED OTHERWISE
VENT OF YOTH OTHERWISE VENT or VOLTS VITRIFIED CLAY PIPE VERTICAL

WATER CLOSET OR WATER COMPANY WARF HEAD HYDRANT WHOLE HOUSE FAN WHOLE HOUSE FAN
WATER METER
WATER STOP OF WATER SERVICE
WATER SERVICE LEVEL
WELDED STEEL PIPE
WATER VALVE
WATER TREATMENT PLANT WASTEWATER TREATMENT PLANT

WATER WITH WITHOUT

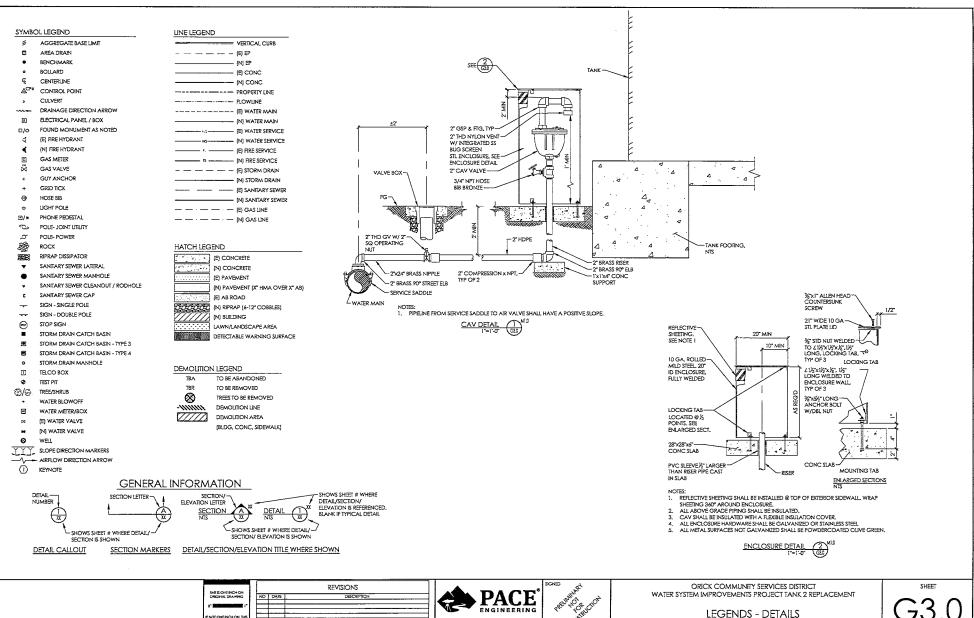




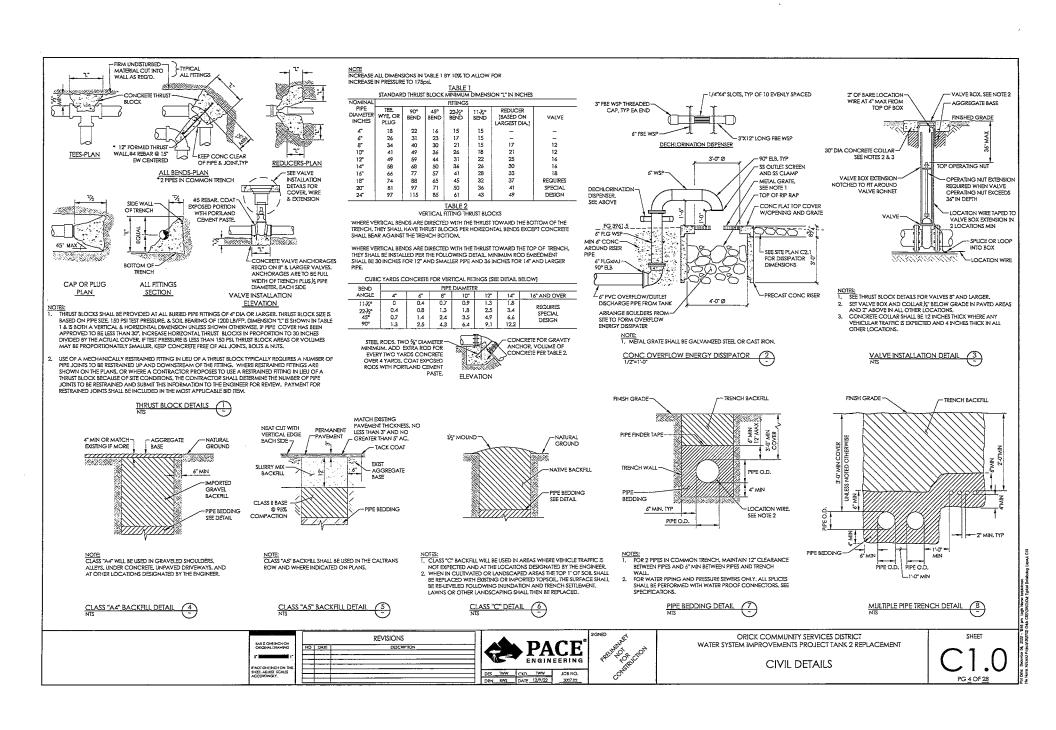


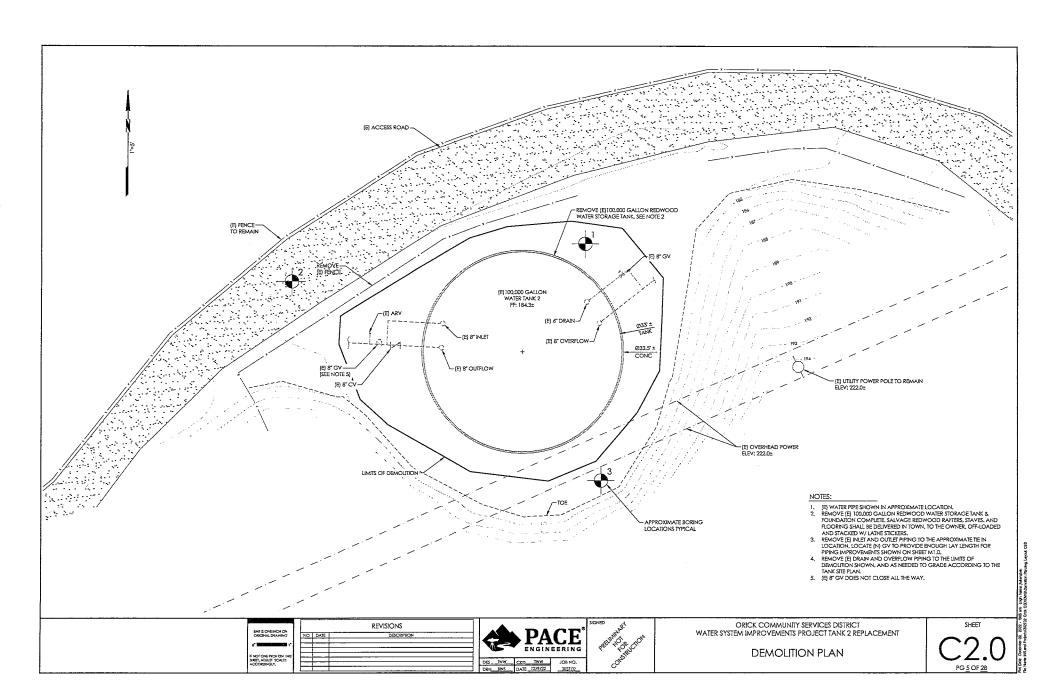
ORICK COMMUNITY SERVICES DISTRICT WATER SYSTEM IMPROVEMENTS PROJECT TANK 2 REPLACEMENT

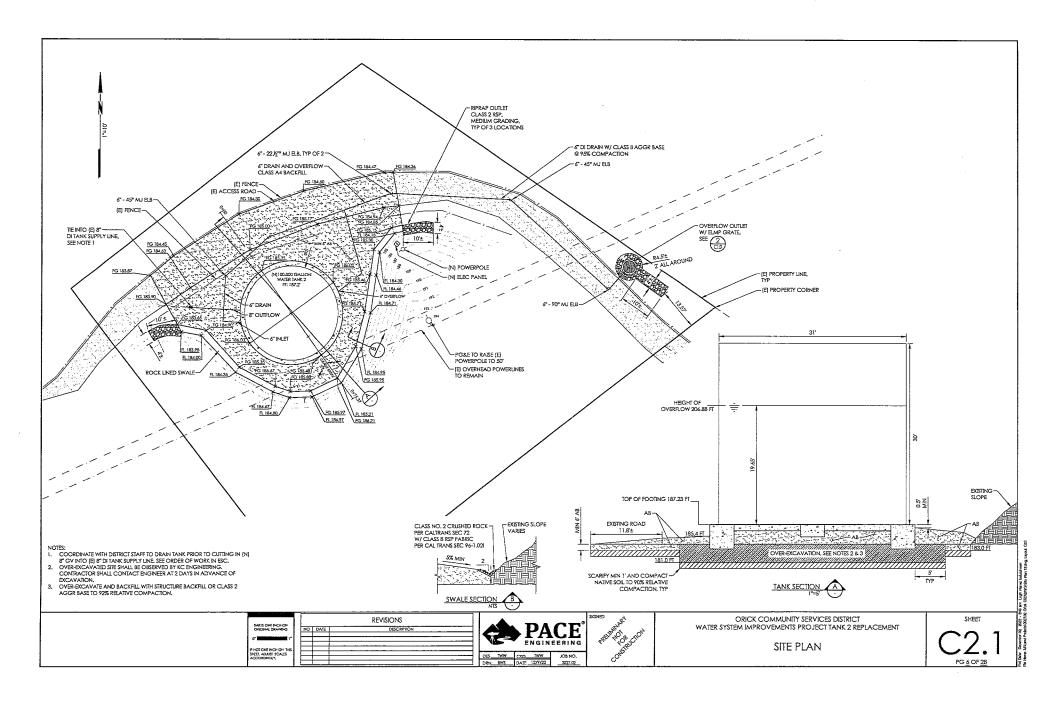
**ABBREVIATIONS** 

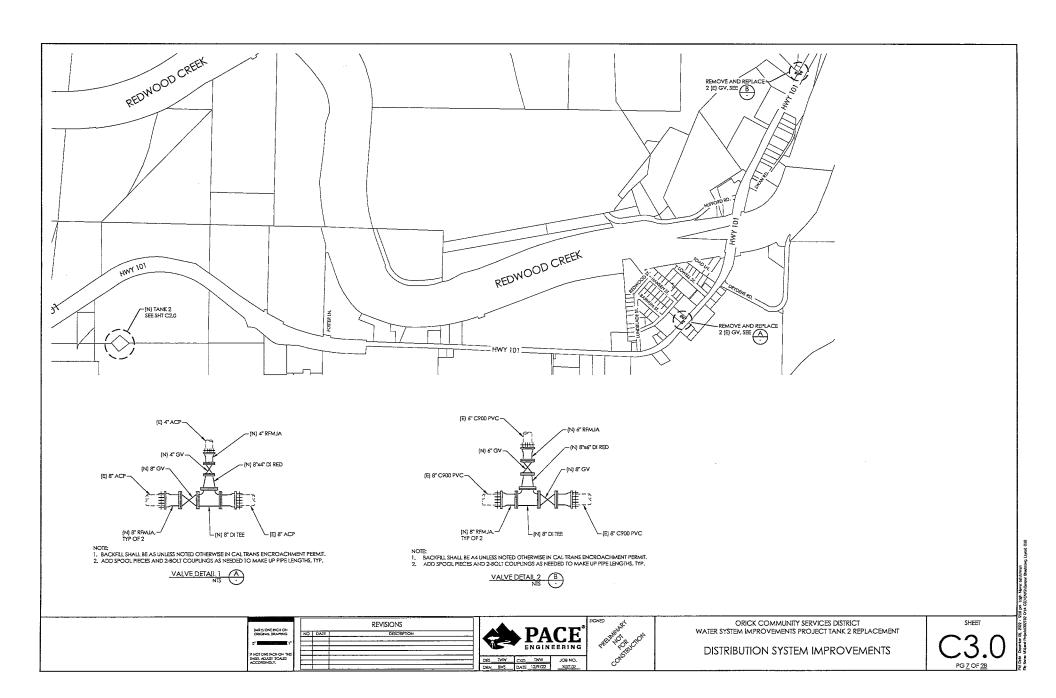


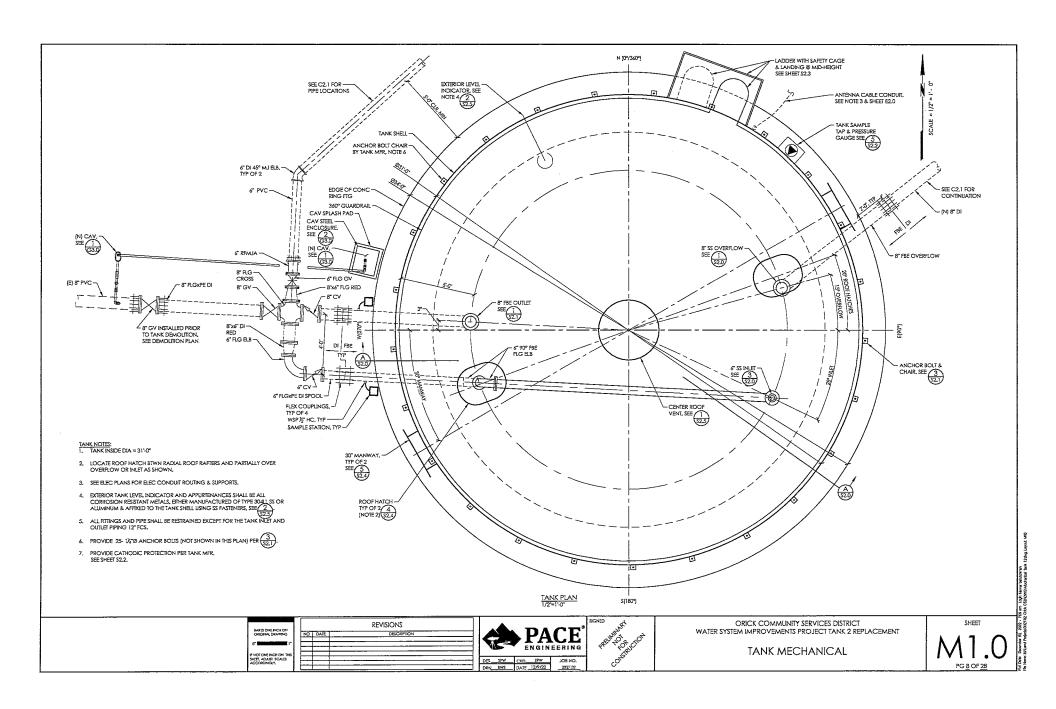
JOB NO.











		Ωss	PLICE	LEN	GTH	TABL	E (SE	ENO	TES)									
ΒA	R SIZE	w	4	5	6	7	,	8		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	2 1/2	ī	2	3	COMPR STRENGTH
	TOP BAR	26	34	43	51	61	81	69	146	102	77	185	130	93	227	159	114	
Ê	OTHER	20	27	33	39	48	62	53	111	78	59	142	99	71	174	123	87	2000 psi
	TOP BAR	23	31	39	46	55	73	62	131	91	69	166	117	84	204	143	102	
E	OTHER	18	24	30	35	43	56	47	100	70	53	128	89	64	156	110	78	2500 psī
品	TOP BAR	21	28	35	42	50	66	56	119	83	63	151	106	76	185	130	93	
<u></u>	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	
SP	OTHER	16	19	23	28	33	44	37	79	56	42	101	70	50	123	86	62	4000 psī

NOTES:

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

2. SEE PLANS FOR ACTULAL COVER.

3. LAP SPLICE LEWGH SPECKFEED ELSEWHERE ON THE DRAWINGS SHALL

GOVERN OVER THIS TABLE.



		A	ADHESIVE ANCHOR INSTALLATION TABLE IN CONCRETE AND CMU									U		
			HIL	11 HY - 2	100 ADH			SIMPSON SET-XP ADH						
ROD,	REBAR Ø	3/8	1/2	5/8	3/4	7/8	I	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	1	1 1/8	1/2	5/8	3/4	7/8	1	1 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 BE IN ACCORDANCE W/ MNFRS EVALUATION REPORT (ICC ESR - 3187 FOR HILTI
S. ICC ESR - 2988 FOR SIMPSON) 8. INSTALLATION INSTRUCTIONS.

2. SPECIAL INSPECTION IS REOD DURING INSTALLATION.
3. MINIMUM BOTTE MERBORDT 8. EDGE DISTALLATION.
4. THER PROD SHALL BE ASTIN A36. ASTA F15S4 GR 36. OR HILTI HAS - V - 36. WHERE SSTL ANCHORS ARE
NOTED ON THE DRAWINGS, USE ASTIM A193 GR 88 (TYPE 304S5), OR HILTI HAS - R 304 SS.

5. EXISTING REINF STEEL SHALL BE LOCATED PRIOR TO ADM ANCHOR INSTALLATION.

NOTES FOR INSTALLATION IN THE FACE OF FULLY GROUTED CMU;

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

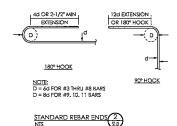
2. INSTALLATION SHALL BE IN ACCORDANCE WY MARIS EXALUATION REPORT (ICC ESR - 39/53 FOR HILTI &

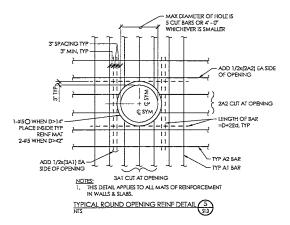
IAPHOLE 265 FOR SIMPSON) & INSTALLATION INSTRUCTIONS.

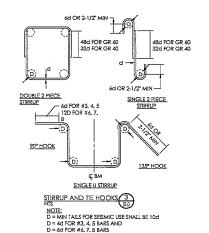
3. WHEN LISING SIMPSON SETAY PEODY IN CMUL, ANCHORS SHALL HAVE "MINIMUM EDGE AND BND

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









NO DATE

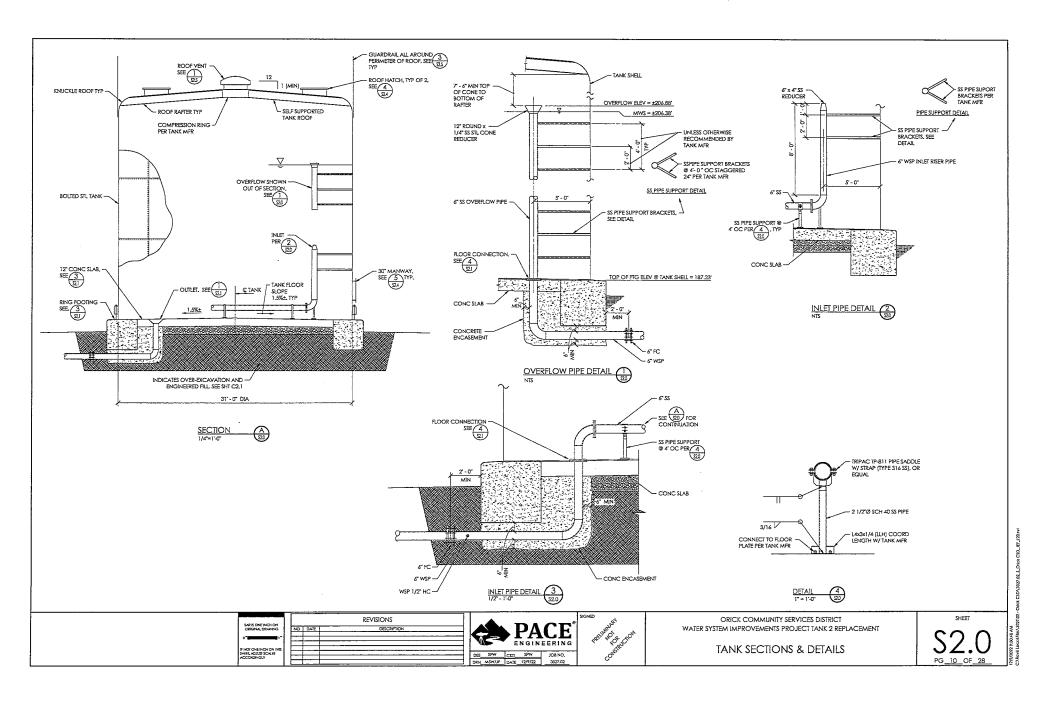
REVISIONS DESCRIPTION

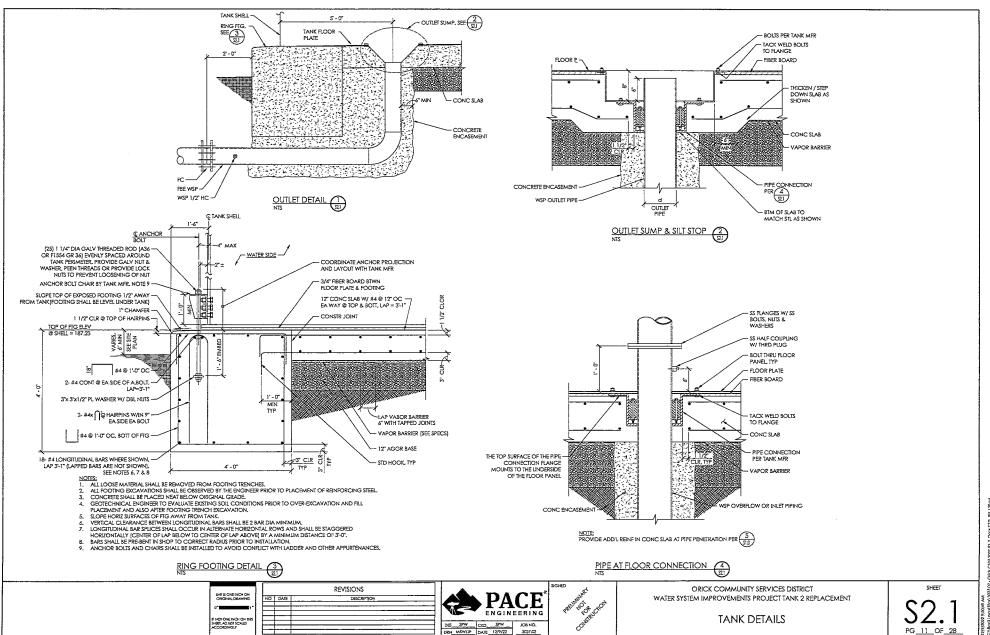


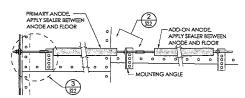


ORICK COMMUNITY SERVICES DISTRICT WATER SYSTEM IMPROVEMENTS PROJECT TANK 2 REPLACEMENT

TYPICAL DETAILS







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

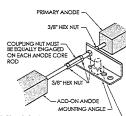
NOTES:

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

2. ALL NSF APPROVED SEALERS AND BOOK! BASED COATINGS

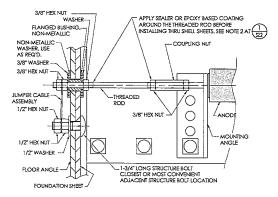
USED WHEN INSTALLING THE CATHODIC PROTECTION SYSTEM ARE TO BE SUPPLIED BY THE BUILDER.



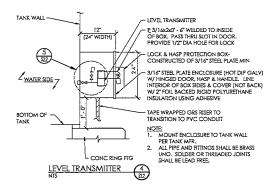


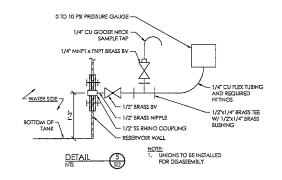
INSTALL ENCAPSULATED NUT AS PROVIDED IN THE AQUASTORE STEEL FLOOR FOUNDATION ASSEMBLY, NOTE: STRUCTURE BOLT IN GLASS FLOOR APPLICATIONS MAY BE FLUSH WITH OR SUGHTLY BELOW NUT FACE.

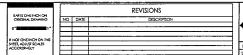










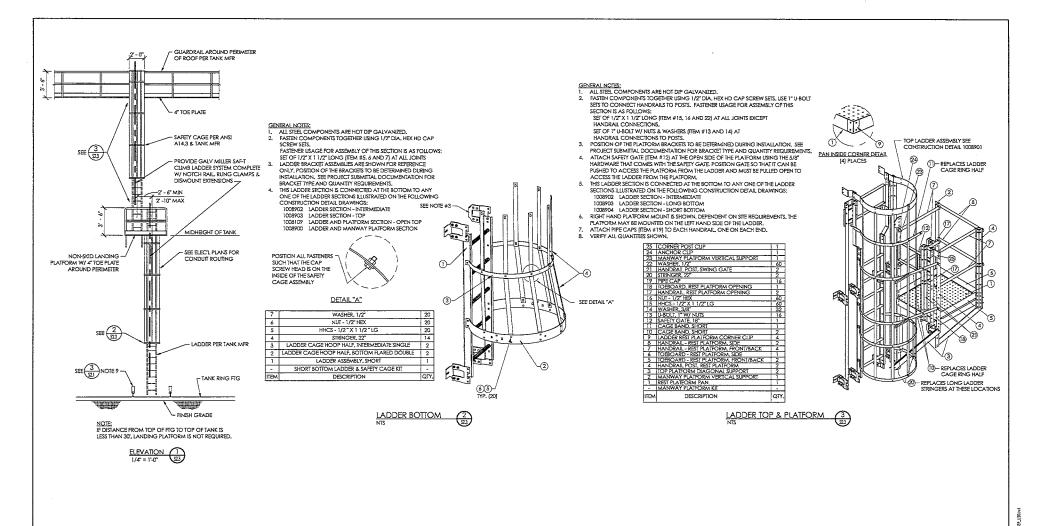




ORICK COMMUNITY SERVICES DISTRICT WATER SYSTEM IMPROVEMENTS PROJECT TANK 2 REPLACEMENT

TANK DETAILS

SHEET PG\_12\_OF\_28



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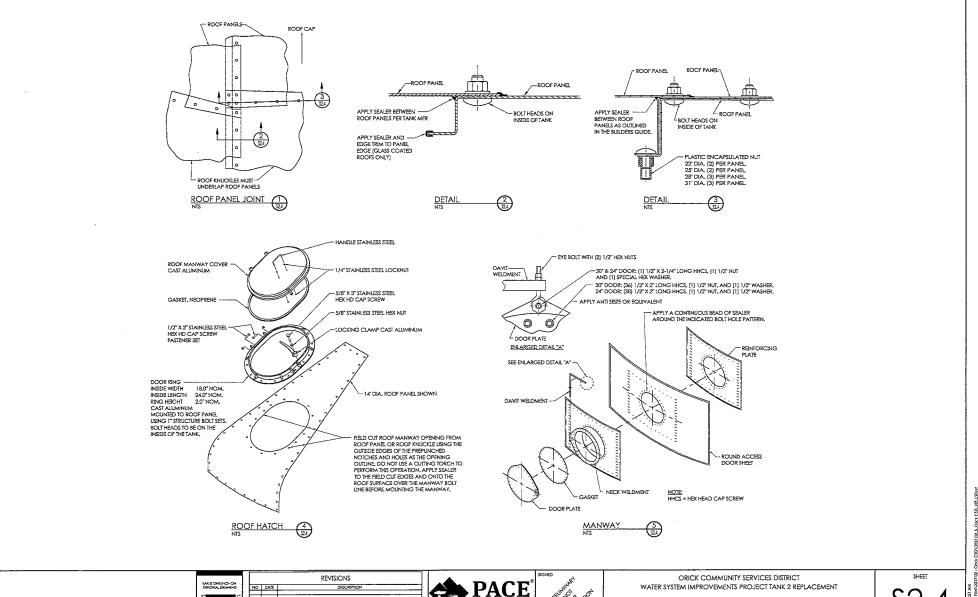




ORICK COMMUNITY SERVICES DISTRICT WATER SYSTEM IMPROVEMENTS PROJECT TANK 2 REPLACEMENT

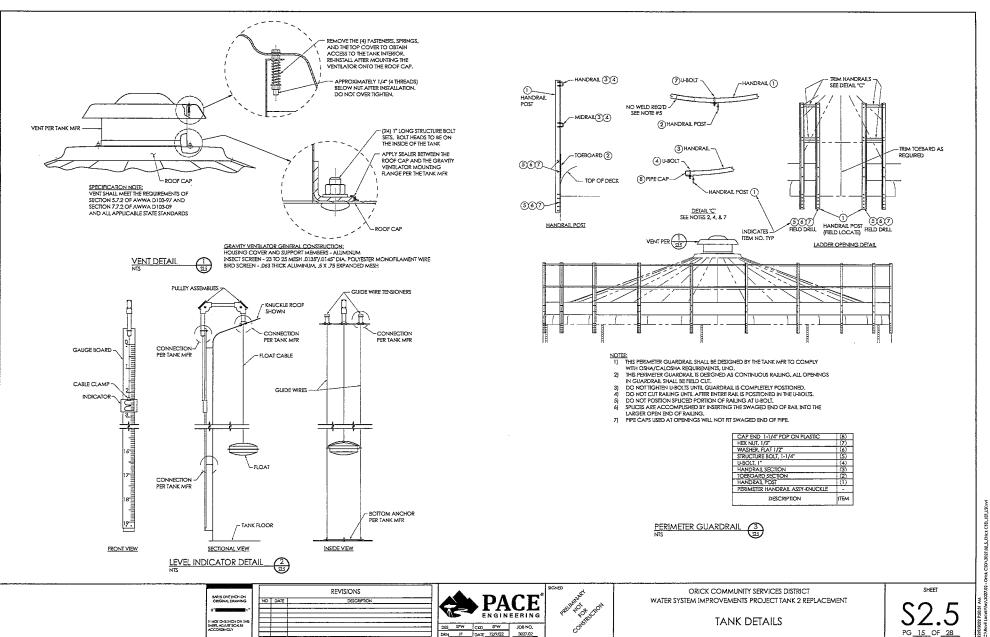
TANK DETAILS

\$2.3 PG\_13\_OF\_28 12/9/2022 9:50:51 AM

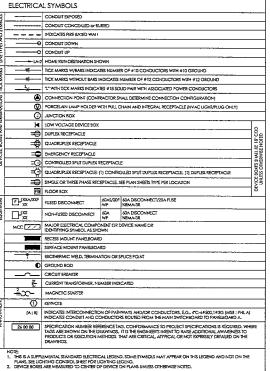


PG 14 OF 28

TANK DETAILS



PG 15 OF 28



٨	- AMMETER, AMPERE
AC	- ALTERNATING CURRENT
ACH	- ABOVE COUNTER HEIGHT
AFCI	- ARC FAULT CIRCUIT INTERRUPT
AFF	- ABOVE FINISHED FLOOR OR GRADE
AIC AL	- AMPS INTERRUPTING CAPACITY
VZ VT	- ALUMINUM - ALTOMATIC TRANSFER SWITCH
BGES	- BUILDING GROUND ELECTRODE SYSTEM
BRKR	- BREAKER
BOD	- BOTTOM OF DEVICE
CSC	- CAUPORNIA ELECTRICAL CODE
COLCOND	- CONDUIT
CAB	- CABINET
CKT	- CIRCUIT
COD	- CENTER OF DEVICE
CP	- CONTROL PANEL
ČR .	- CONTROLLED RECEPTACLE
CT	- CURRENT TRANSFORMER
DC	- DIRECT CURRENT
(E) or EXIST	- EXSTING
EECR	- ELECTRICAL ENGINEER OF RECORD
EGC	- EQUIPMENT GROUNDING CONDUCTOR
ENC	- ENCLOSURE
(F)	- FUTURE
FACP	- FIRE ALARM CONTROL PANEL
FACU	- FIRE ALARM CONTROL UNIT
£20	- FIRE SMOKE DAMPER
G	- EQUIPMENT GROUNDING CONDUCTOR
GND	- GROUND
GEC GFCI	- GROUNDING ÉLECTRODE CONDUCTOR - GROUND FAULT CIRCUIT INTERRUPT
Grai	- JUNCTION BOX
LAUN	- LAUNDRY
LCP	+ LIGHTING CONTROL PANEL
LIG	- LIGHTING
MBJ	- MAIN BONDING JUMPER
MCB	- MAIN CIRCUIT BREAKER
MER	- MANUFACTURER
MLO	- MAINTIG ONLY
MOCP	- MAXIMUM OVERCURRENT PROTECTION
M	- MOTOR
BZM	- MAIN SWITCH BOARD
MTS	~ MANUAL TRANSFER SWITCH
NEC	- NATIONAL ELECTRIC CODE
NEMA	- NATIONAL ELECTRIC MANUFACTURER'S ASSOCIATION
14	- NEUTRAL
[N]	-NEW
OFCI	~ OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	- OWNER FURNISHED, OWNER INSTALLED
P9	- PULLBOX
PNL	- PANELBOARD
PLR	- PLUG LOAD RELAY
RCPT	- RECEPTACLE
RM CHIPO	-ROOM
SWBD SRI	- SWITCHBOARD - SYSTEM BONDING JUMPER
LEZZ	- STATEM BUNDING JUMPER - SUPPLY SIDE BONDING JUMPER
T.	- THERMOSTAT OR TELE CONDUIT
TOD	- TOP OF DEVICE
TP.	-TAMPER
TYP	-TYPICAL
v	- VOLTMETER, VOLT
w	- WATT
ww	- WIRFWAY
WP	- WEATHERPROOF (NEMA 3R)
XFMR	- TRANSFORMER
	and the state of t
OTE: THIS IS A	SUPPLEMENTAL STANDARD LEGEND, SOME SYMBOLS OR
	S MAY APPEAR ON THIS LEGEND AND NOT ON THE PLANS

GENERAL NOTES

§ NOTE:
1. DO ALL WORK AND INSTALL PRODUCTS IN ACCORDANCE APPLICABLE NECA
RÉQUIREMENTS, APPLICABLE SATE LANS, LOCA LANS, CODES AND ORDINANCES. THE
CONTRACTORS SOULD ACHIESE TO THE SECTION PRODUCT AND INSTALLATION
REQUIREMENTS OF HIGHLIN TOWN, AS RESTORD PRODUCT AND INSTALLATION
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REVISIONS NO DATE





ORICK COMMUNITY SERVICES DISTRICT WATER SYSTEM IMPROVEMENTS PROJECT TANK 2 REPLACEMENT

**ELECTRICAL ABBREVIATIONS** 

KEYNOTES

(3) NOTE

PROVIDE AND INSTALL NEW 20A CIRCUIT INERAKER IN SPACE INDICATED, BREAKER SHALL BE
OF THE SAME TIPE AND RATING AS DISTING, CONNECT NEW LOAD AS INDICATED,
PROVIDE NEW PRINTED PANEL SCHEDULE.

BR/	ANCH PANEL	•	TAN	IK 2										
LOCATI			VOLTS			120/240	Şingle			AIC RA	TING	10,000		
	ING TYPE SURFACE		WIRES			3				BUS RA	TING	100 A		
ENCLO:	SURE TYPE NEMA 3R		CIRCUIT			12					REAKER	100 A		
		(LABEL PAN	ELBOAR	DS ACC	ORDING TO	NAMING C	ONVENTION	S LISTED IN E	LECTRIC	AL SPEC	IFICATIONS)			
CKT	HOME RUN	LOAD NAME	TRIP	INT TYPE	A	В	A .	В	INT TYPE	TRIP	LOAD NA	ME	HOME RUN	СКТ
1	3/4°C-2#12,1#12G	PNL-T2	20 A		180 VA		0 VA	MARKET.		20 A	SPARE		-	2
3	_	5PARE	20 A		1073000 Julies	CVA	EXCLUSION.			20 A	SPARE		_	4
5		SPACE			-			1.00			SPACE		<del>-</del>	6
7		SPACE			HEX COST		34,125,173,10	**			SPACE			8
9		SPACE	1		-	Els Links		<b>ECONOMISM</b>			SPACE			10
11		SPACE			Sale Street	-		-		L=.	SPACE		_	12
					PHA	SE A	PHA	SEB	Notes:	PROV	DE BREAKER LOCKABLE	IN THE "OFF" POSITI	ON.	1
[		TC	TAL LOA	AD (VA)	180	VA	0	VA		PRO	IDE BREAKER WITH RED	HANDLE AND MECH	ANICAL HOLD.	7
- [		TOTA	CAOJ J	(AMPS)		2								7

(E)BR	PANCH PANEL	P-1							
LOCATIO	N OFFICE BUILDING	VOLTS		120/240V	AIC RATING				
MOUNTIN	IG MCC	WIRES		4	BUS RATING		200A		
		CIRCUITS		12	MAIN BREAKER	?	200A		
	(LABEL PA	NELBOARDS	ACCORDING	TO NAMING C	ONVENTIONS LL	STED IN BLECTR	ICAL SPEC	HCATIONS)	
скт	COMMENT	TRIP	A	В	A .	8	TRIP	COMMENT	CXT ·
1	(E) EXTERIOR LIGHTING	20A	10		10	Alua.	20A	(E) INT. LTG. & VENT FAN	2
3	(E) SPARE	2DA	10-74215.0	0	(a)	10	20A	(E) INT. RECEPT	4
5	(E) CONTROL ALARM	20A	5	\$50 XT 47	10	477485	20A	(E) LOAD	6
7	①(N) CF-2	20A	TRANS	3	भ स्टिब	15	30A	(E) OFFICE	8
9	(E) SPACE	-	D	1100	15	25/10/2	30A	(E) OFFICE	οī
11	(E) SPACE	-	referre	D	2011	0	20A	(E) SPACE	12
			PHA	SE A	PHA	SE 8			
	TOTAL LO.	ad (amps):		10	2	18			

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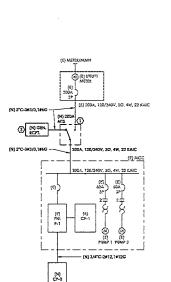




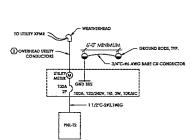
ORICK COMMUNITY SERVICES DISTRICT WATER SYSTEM IMPROVEMENTS PROJECT TANK 2 REPLACEMENT

PANEL SCHEDULES

SHEET



ONE-LINE DIAGRAM - OFFICE



KEYNOTES NOTE

(A) NOTE

1. DISCONNECT AND REMOVE EXISTING CONDUCTORS, PROVIDE AND INSTALL NEW MIX, GRIVER RECEPT, CONDUIT, AND CONDUCTORS, PROVIDE AND INSTALL NEW MIX, GRIVER RECEPT, CONDUIT, AND CONDUCTORS WITH POSE.

CONDENSATE HE INSTALLATION OF THE OVERSHEAD UTILITY CONDUCTORS WITH POSE.

CONTRACTOR IS REPONSIBLE FOR ALL CONSTRUCTION MEETINGS, APPLICATIONS, AND ITEMS. GREEN TO SHALL EXPENSIBLE FOR EXPLICATION OF THE SECOND AND INSTALL APPLICATION AND STRUCTURE OF THE OVERSHEAD OF THE OVERSHEAD OF THE OWNER AND INSTALL APPLICATION AND RESERVED AND ADDRESS OF THE OWNER OF THE OWNER OF THE OWNER OWNE

ONE-LINE DIAGRAM - TANK 2 (2)

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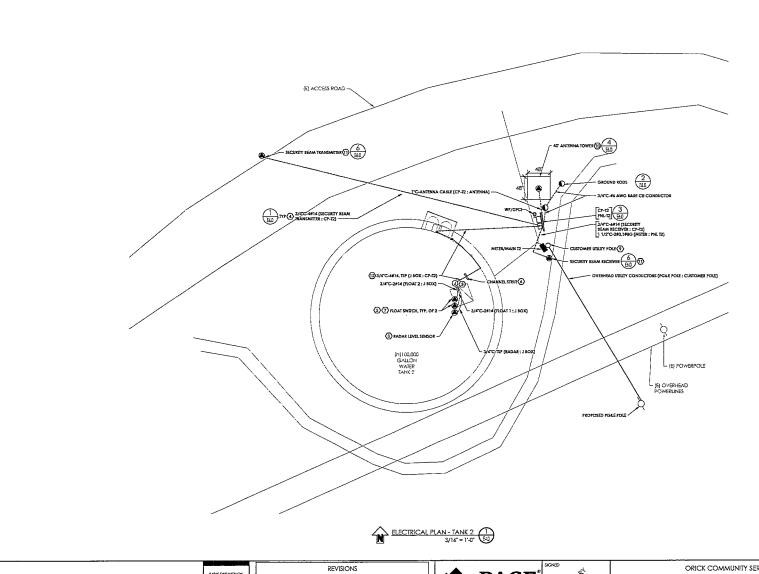




ORICK COMMUNITY SERVICES DISTRICT WATER SYSTEM IMPROVEMENTS PROJECT TANK 2 REPLACEMENT

ONE LINE DIAGRAM

E3.0 PG\_18\_0F\_28



KEYNOTES

#### (a) NOTE

- (A) NOTE

  1. SEASON FLOATE, AT THE AMERICAN AS THE PLOATS AT THE BOSTING TANK 1.

  1. SEASON FLOATE, AT THE AMERICAN EXPORT AS THE PLOATS AT THE BOSTING TANK 1.

  2. MOUNT ACCORDING TO MAY RECOMMENDATION WITH MAY THAN SEQUE OF, A ALL INSEQUENCE CONDUCTION OF MAY RECOMMENDED THAN SEQUENCE AND THAN SEQUENCE OF THE AMERICAN SEQUENCE OF THAN SEQUENCE OF THAN SEQUENCE OF THAN SEQUENCE OF THE AMERICAN SEQUENCE OF THAN SEQUENCE OF THAN SEQUENCE OF THAN SEQUENCE OF THAN SEQUENCE OF THE AMERICAN SEQUENCE AND THAN SEQUENCE OF THE AMERICAN SEQUENCE AND THAN SEQUENCE OF THE AMERICAN SEQUENCE OF THAN SEQUENCE OF THE AMERICAN SEQUENCE AND THAN SEQUENCE OF THE AMERICAN SEQUENCE OF THE THAN SEQUENCE OF THAN SEQUENCE OF THE THAN SE

#### GENERAL NOTES

#### \* NOTE

- SPLICE CONDUCTORS WITH MFR CASLES NOT LONG ENOUGH TO REACH FINAL CONNECTION POINT. SPUCES SHALL BE DONE WITH POLARS OR APPROVED EQUAL SPLICE KIT.
   ALL EXPOSED CONDUIT SHALL BE PVC COATED GRS.

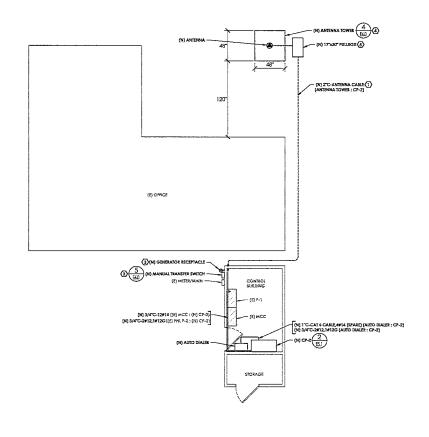
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ORICK COMMUNITY SERVICES DISTRICT WATER SYSTEM IMPROVEMENTS PROJECT TANK 2 REPLACEMENT

**ELECTRICAL PLAN - TANK 2** 



KEYNOTES

● NOTE

- (Q) NOTE:

  1. ROUTE CONDUIT FROM CP-2 THROUGH CONTROL ROOM, AND PRINTERHENDRIN WALL
  WITH US CONDUITE. SAY, PRETRACTION WITH APPROVED SEALANT, STUD CONDUIT
  DOWN AND CONTINUES CONDUIT TO ASTROMATOWER.
  DOWN AND CONTINUES CONDUIT TO ASTRONATION, TRANSPERSON, THE ASTRONATION AND ASTRONATION TO ASTRONATION TO ASTRONATION TO ASTRONATION TO ASTRONATION TO ASTRONATION AND REPLACE WITH
  SAY PULK.
  PROVIDE AND INSTALL APPEIROR OR APPROVED EQUAL.
  4. GROUND PER AMARIFACTUREST REQUIREMENTS.
  5. GROUND FROM AMARIFACTUREST REQUIREMENTS.

ELECTRICAL PLAN - CONTROL BUILDING
NIS
ED

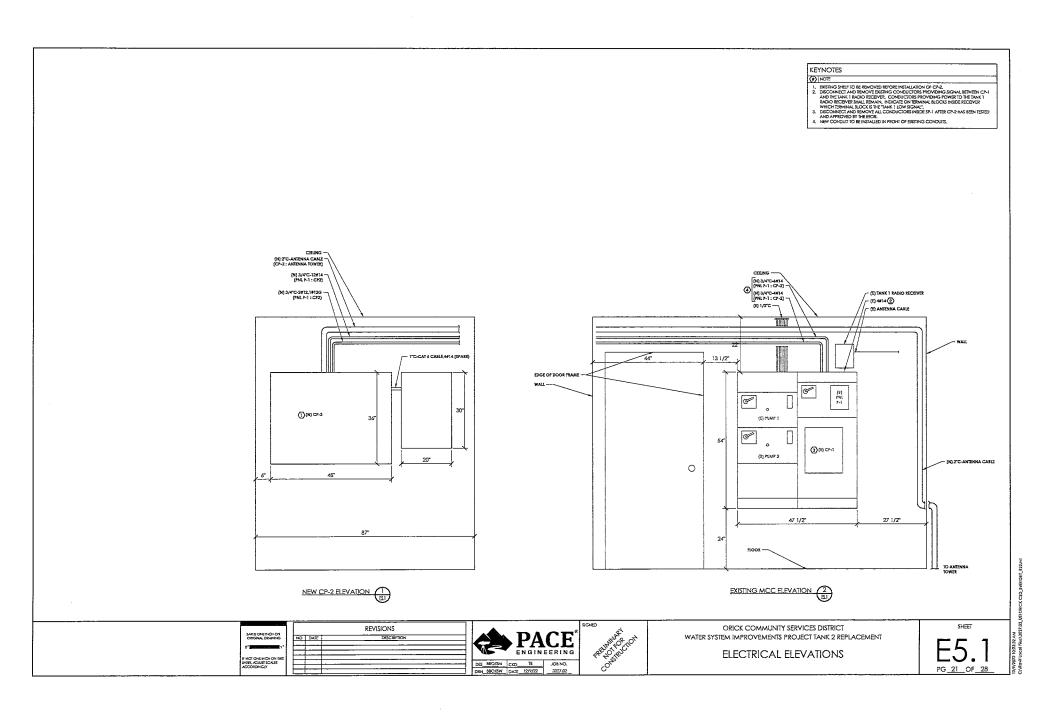
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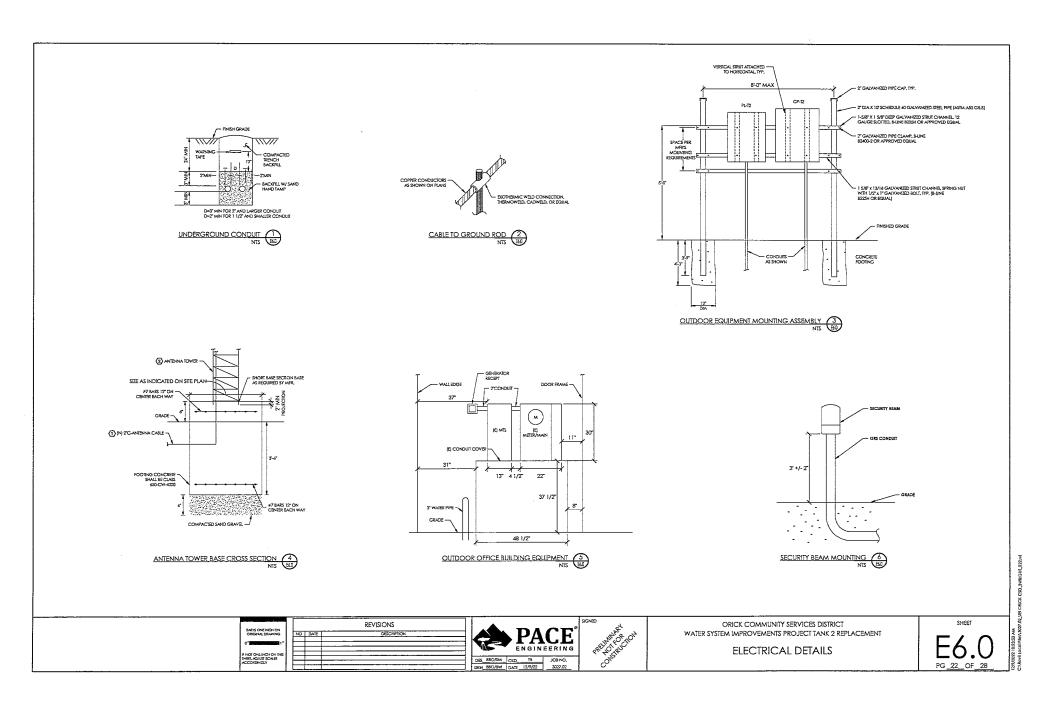




ORICK COMMUNITY SERVICES DISTRICT WATER SYSTEM IMPROVEMENTS PROJECT TANK 2 REPLACEMENT

**ELECTRICAL PLAN - OFFICE** 

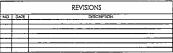




INSTRU	MENTATION SYMBOLS
	CONDUIT EXPOSED
	CONDUIT CONCEALED OR BURIED
(S)	MOTOR, HORSEPOWER INDICATED
1-3-	
<u> </u>	CONVENIENCE RECEPTACIE. DUPLEX UNLESS SPECIFIED OTHERWISE
30 □	NON-FUSED DISCONNECT, SZE INDICATED 3-POLE UNLESS INDICATED OTHERWISE
60/40 FJ	FUSED DISCONNECT, SIZE INDICATED (60/40, 60-SWITCH RATING: 40-FUSE RATING) 3-POLE UNLESS INDICATED OTHERWISE
2 🗵	STARTER MAGNETIC, NEWA SZE INDICATED
2⊠²	COMBINATION MAGNETIC STARTER, NEMA SIZE INDICATED
	CONTACT-NORMALLY OPEN W/ NEMA SIZE INDICATED AS APPLICABLE
yr	CONTACT-NORMALLY CLOSED W/ NEMA SIZE INDICATED AS APPLICABLE
-11/2	TIME DELAY RELAY CONTACT, TIMED TO CLOSE
1120	TIME DELAY RELAY CONTACT, TIMED TO OPEN
<u>□</u>	REMOTE DEVICE
<u> </u>	RELAY COXIL CR=CONTROL RELAY TOR=TIME DELAY RELAY
~Xr	OVERLOAD RELAY, BIELECTRONIC
-4-X-	MAGNETIC STARTER W/ NEMA SIZE INDICATED
	CIRCUIT BREAKER, MAGNETIC TRIP ONLY, FRAME SIZE SHOWN, 3-POLE UNLESS INDICATED OTHERWISE
	CIRCUIT BREAKER, THERMAI, MAGNETIC TRIP SHOWN, 3-POLE UNLESS INDICATED OTHERWISE
	SWITCH-CURRENT RATING INDICATED, 3-POLE UNLESS INDICATED OTHERWISE
	LIGHTNING ARRESTOR
	FUSE
<b>1</b>	GROUNDED SHIELD CONNECTION
h	GROUND
1000 CON 1000 CON	TRANSFORMER, SECONDARY VOLTAGES, PHASE AND RATING INDICATED AS APPLICABLE
	PUSH BUTTON SWITCH, NORMALLY OPEN
حله	PUSH BUTTON SWITCH, NORMALLY CLOSED
泰	PUSH-TO-TEST INDICATING LIGHT / LETTER INDICATES COLOR: A-AMBER, 8-BLUE, C-CLEAR, G-GREEN, R-RED, W-WHITE
المراجعة المراجعة	SELECTOR SWITCH-MAINTAINED CONTACT: X=CLOSED CONTACT POSITION
[22]	MOTOR SPACE HEATER
	FLOW SWITCH OPENS ON INCREASE IN FLOW
	FLOW SWITCH CLOSES ON INCREASE IN FLOW
-oT-	PLOAT SWITCH OPENS ON RISING LEVEL
-0-0-	PLOAT SWITCH CLOSES ON RISING LEVEL
-010-	PRESSURE OR VACUUM SWITCH OPENS ON RISING PRESSURE
~~~	PRESSURE OR VACUUM SWITCH CLOSES ON RISING PRESSURE
-0120-	TEMPERATURE SWITCH OPENS ON RISING TEMPERATURE
	TEMPERATURE SWITCH CLOSES ON RISING TEMPERATURE
₽	RTU/PLC DISCRETE OUTPUT
$\Diamond$	RTU/PLC DISCRETE INPUT
) 1980	BLECTRICALLY OPERATED VALVE S-SOLENOID M-MOTORIZED
	ELECTRICALLY OPERATED 3-WAY VALVE S-SOLENOID M-MOTORIZED
<u> </u>	MOTOR
9	FLOW TRANSMITTER
98	LEVEL TRANSMITTER: RANGE INDICATED
NOTE: 1. THIS IS A SUPPL THE PLANS.	LEMENTAL STANDARD INSTRUMENTATION LEGEND, SOME SYMBOLS MAY APPEAR ON THIS LEGEND AND NOT ON

A	- AMMETER, AMPERE
AC AC	- ALTERNATING CURRENT
AIC AIR	- ANALYZER INDICATING CONTROLLER - AIR OR AIR COMPRESSOR
AIK AIT	- AIR OR AIR COMPRESSOR - ANALYTER INDICATING TRANSMITTER
B.	- BLOWER
8FCV/S	-SOLENOID BUTTERFLY CONTROL VALVE
BFV/M	- MOTORIZED BUTTERFLY CONTROL VALVE
BPV/P	- PNEUMATIC BUTTERFLY CONTROL VALVE
BV	-BALL VALVE
BV/M BV/S	- MOTORIZED BALL VALVE - SOLENOID BALL VALVE
RW	- BACKWASH
Č.	- CONTACTOR/CONDUIT
CB	- CIRCUIT BREAKER
CBL	- CABLE
CKT COMP	- CIRCUIT - COMPRESSOR
COMP	- CONVEYOR
COND	- CONDUIT
CP	+ CONTROL PANE.
CPT	- CONTROL PANEL TRANSFORMER
CR	- CONTROL RELAY
DC	- DIRECT CURRENT
DO DO	- DIGITAL INPUT - DISSOLVED OXYGEN OR DIGITAL OUTPUT
DPT	- DISSOLVED OXTGEN ON DIGITAL OUTPOT - DIFFERENTIAL PRESSURE TRANSMITTER
DS DS	- DOOR SWITCH
(E) or EXIST	- EXISTING
EF	- EXHAUST FAN
ENC	- ENCLOSURE
ETM F or FAN	- ELAPSED TIME METER - FAN
FOFFAN FIT	- FAN - FLOW INDICATING TRANSMITTER
FS	-FLOW SWITCH
Ğ	- GROUND
ĞR	- GROUND FAULT CIRCUIT INTERRUPT
н	- HEATER OR HEAT TRACE
HS.	- HAND SWITCH
L IA	- LINE POWER
LS	- LIGHTNING ARRESTOR - LEVEL SWITCH OR LIMIT SWITCH
T13	- LEVEL SWITCH OR DMIT SWITCH - LEVEL INDICATING TRANSMITTER
M	- MOTOR OR FLOW METER BLEMENT
MCC	- MOTOR CONTROL CENTER
MFR	- MANUFACTURER
N	NEUTRAL
NA NEC	- NON-AUTOMATIC
NEG NEMA	- NATIONAL ELECTRIC CODE - NATIONAL ELECTRIC MANUFACTURERS ASSOCIATION
OIT	- OPERATOR INTERFACE TERMINAL
OL.	- OVERLOAD RELAY
P	- PUMP
PB	- PULL BOX
PfT	- PRESSURE INDICATING TRANSMITTER
PLC	- PROGRAMMABLE LOGIC CONTROLLER
PNL PS	- PANELBOARD - PRESSURE SWITCH
PV/M	- MOTORIZED PLUG VALVE
QL.	-INDICATING LIGHT
RECEPT	- RECÉPTACLE
RTU	- REMOTE TELEMETRY UNIT
RW	- RECYCLE WATER
SPD	- SURGE PROTECTION DEVICE
SV SW	- SOLENOID VALVE - SWITCH
2w	- TELE CONDUIT OR TURBIDIMETER
TOR	- TIME DELAY RELAY
TS .	- THERMOSTAT OR TEMPERATURE SWITCH
π	- TEMPERATURE INDICATING TRANSMITTER
TYP	-TYPICAL
UH	- UNIT HEATER
UIT UPS	ULTRAVIOLET TRANSMITTANCE TRANSMITTÉR     UNINTERRUPTIBLE POWER SUPPLY
NA NS	- DELLANCOLET
uvr	- ULTRAVIOLET TRANSMITTANCE
v	- VOLTMETER, VOLT
VFD	VARIABLE FREQUENCY DRIVE
VIT	- VACUUM INDICATING TRANSMITTER
w_	- TIAW -
WIT	- WEIGHT INDICATING TRANSMITTER
WP XFMR	- WEATHERPROOF (NEMA 4) - TRANSPORMER
XFMR XS	- TRANSPORMER - ZERO SPEED SWITCH
	- CONTRACTOR SALING
	SUPPLEMENTAL STANDARD LEGEND, SOME SYMBOLS OR

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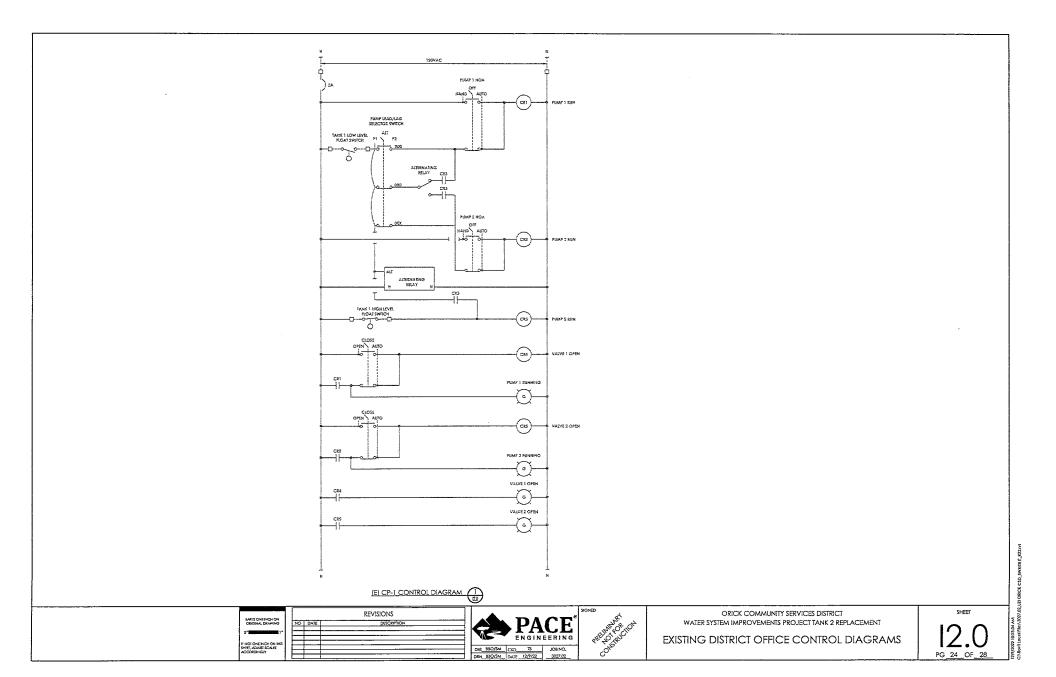


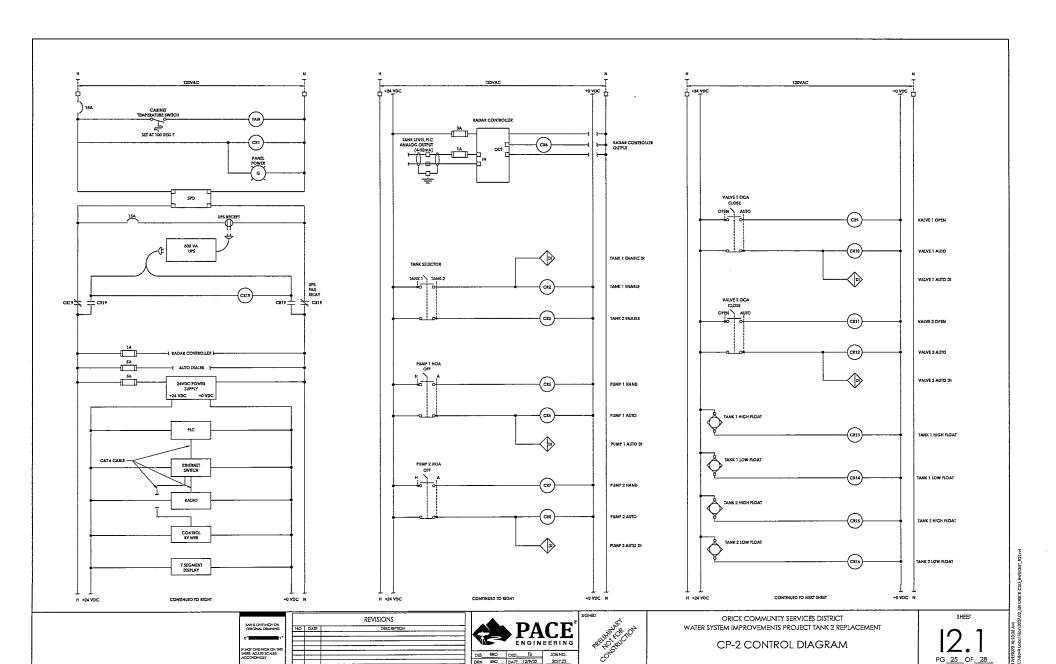


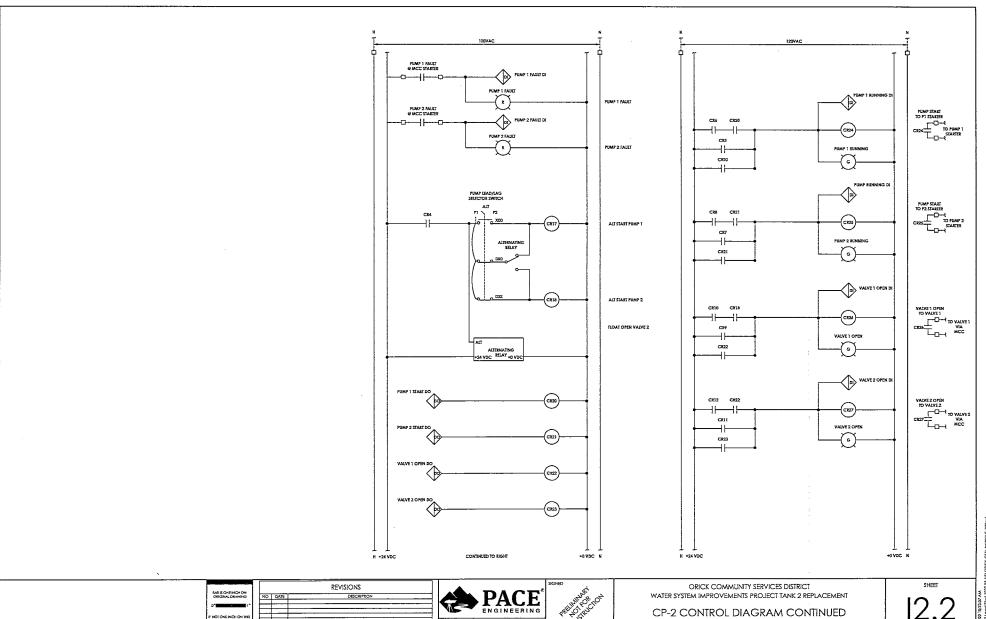


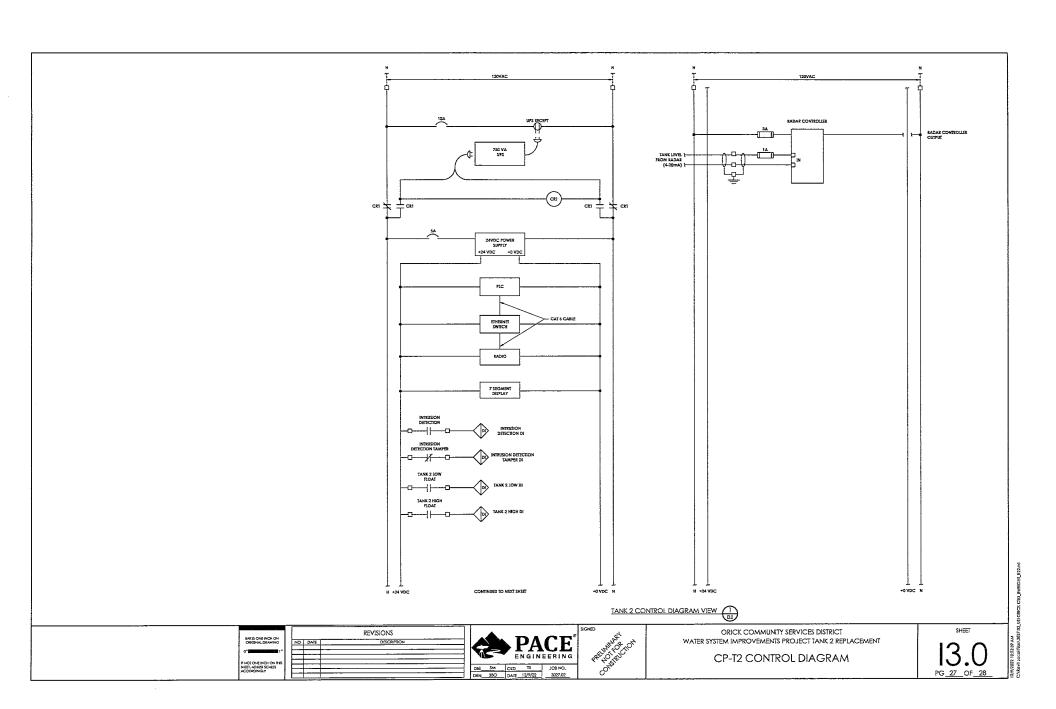
ORICK COMMUNITY SERVICES DISTRICT WATER SYSTEM IMPROVEMENTS PROJECT TANK 2 REPLACEMENT

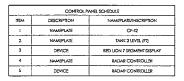
INSTRUMENTATION SYMBOLS AND ABBREVIATIONS



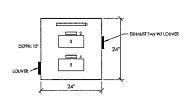


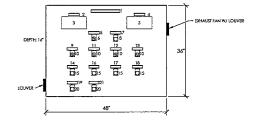






CONTROL PANEL SCHEDULE						
ITEM	DESCRIPTION	NAMEPLATE/INSCRIPTION				
1	NAMEPLATE	CP-2				
2	NAMEPLATE	TANK I LEVEL (FI)				
3	DEVICE	RED LION 7 SEGMENT DISPLAY				
4	NAMEPLATE	TANK 2 LEVEL (FI)				
5	NAMEPLATE	TANK SELECT  TANK 1 TANK 2				
6	2 POSITION SWITCH					
7	NAMEPLATE	PANEL POWER				
8	INDICATING LIGHT WHITE	-				
9	NAMEPLATE	PUMP 1 HOA				
		HAND OFF AUTO				
10	3 POSITION SWITCH	-				
11	NAMERATE	PUMP 2 HOA				
	NAMEPLATE	HAND OFF AUTO				
12		VALVE I OCA				
		OPEN CLOSE AUTO				
13	NAMEPI ATE	VALVE 2 OCA				
13	100.000.0	OPEN OFF AUTO				
14	NAMEPLATE	PUMP I RUNNING				
15	INDICATING LIGHT GREEN	-				
16	NAMEPLATE	PUMP 2 RUNNING				
17	NAMEPLATE	VALVE I OPEN				
18	NAMEPLATE	VALVE 2 OPBN				
19	NAMEPLATE	PUMP 1 FAULT				
20	INDICATING UGHT RED					
21	NAMEPLATE	PUMP 2 FAULT				





CP-T2 ELEVATION 2



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	ACCORDINGLY				
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ORICK COMMUNITY SERVICES DISTRICT WATER SYSTEM IMPROVEMENTS PROJECT TANK 2 REPLACEMENT

CONTROL PANEL ELEVATIONS

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