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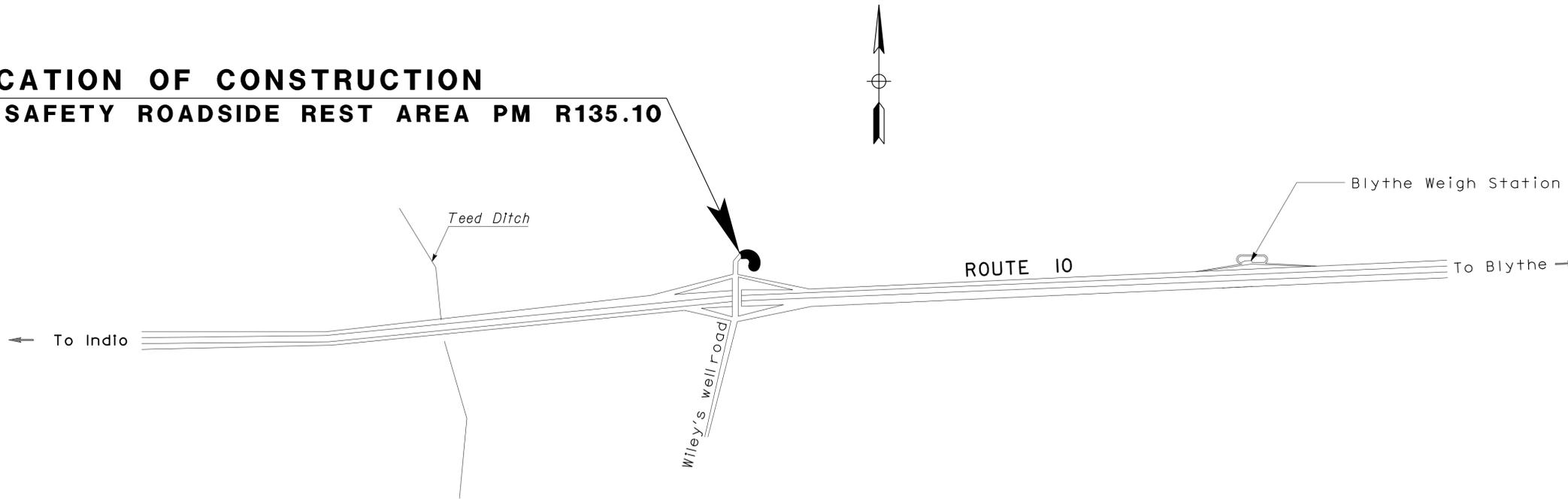
THE STANDARD PLANS LIST APPLICABLE TO THIS CONTRACT IS INCLUDED IN THE NOTICE TO BIDDERS AND SPECIAL PROVISIONS BOOK

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
PROJECT PLANS FOR CONSTRUCTION ON
STATE HIGHWAY
IN RIVERSIDE COUNTY ON ROUTE 10
ABOUT 17.5 MILES WEST OF BLYTHE AT
WILEY'S WELL SAFETY ROADSIDE REST AREA

TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2010



LOCATION OF CONSTRUCTION
WILEY'S WELL SAFETY ROADSIDE REST AREA PM R135.10



NO SCALE

PROJECT MANAGER
MUSTAPHA IAALI
 SENIOR LANDSCAPE ARCHITECT
RAY DESSELLE

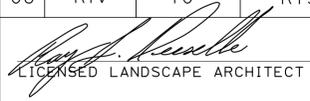
LICENSED LANDSCAPE ARCHITECT
 October 6, 2014
 PLANS APPROVAL DATE
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

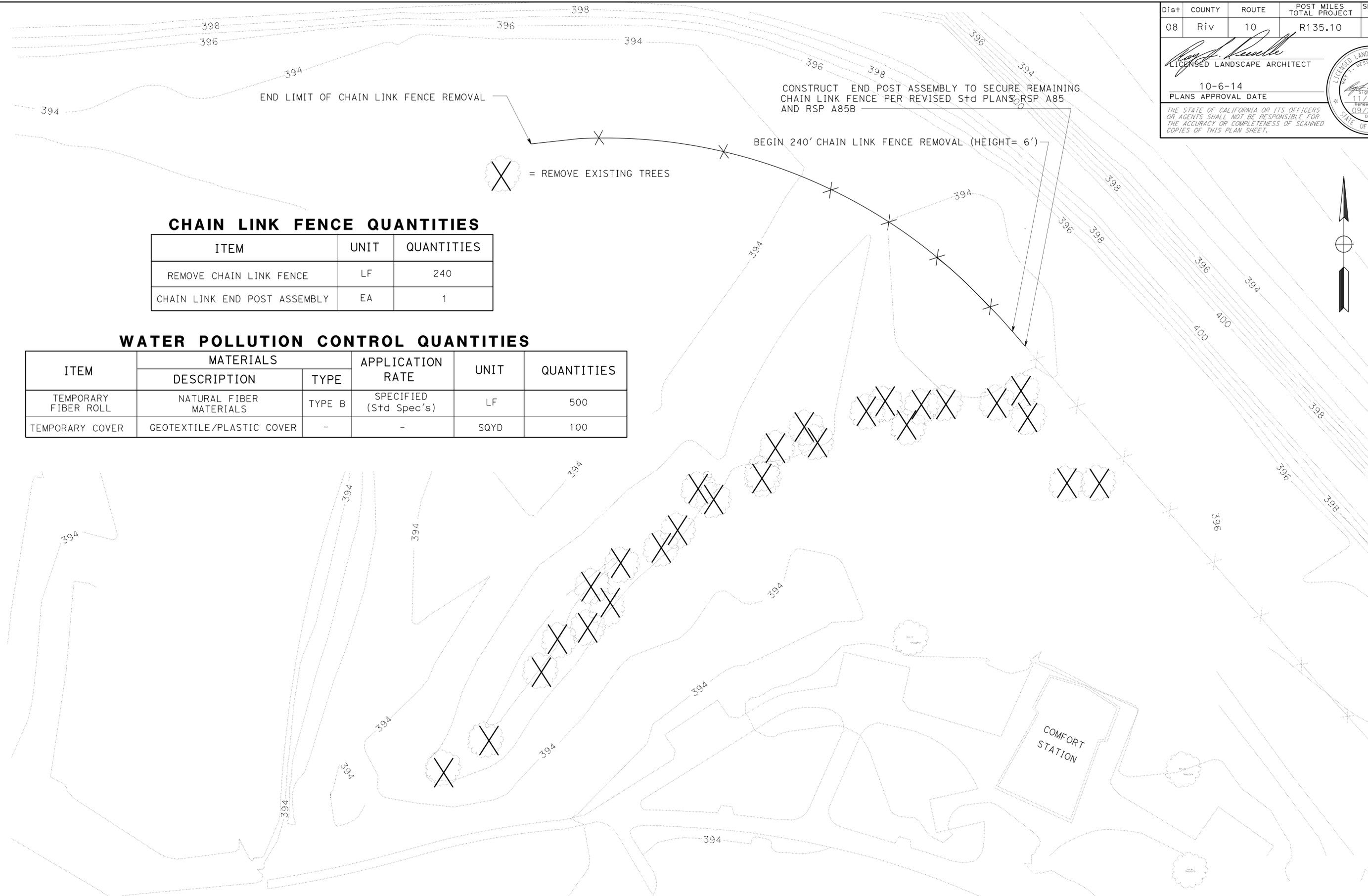


THE CONTRACTOR SHALL POSSESS THE CLASS (OR CLASSES) OF LICENSE AS SPECIFIED IN THE "NOTICE TO BIDDERS."

CONTRACT No.	08-OL5904
PROJECT ID	0800000421

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R135.10	2	33


 LICENSED LANDSCAPE ARCHITECT
 10-6-14
 PLANS APPROVAL DATE
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

CHAIN LINK FENCE QUANTITIES

ITEM	UNIT	QUANTITIES
REMOVE CHAIN LINK FENCE	LF	240
CHAIN LINK END POST ASSEMBLY	EA	1

WATER POLLUTION CONTROL QUANTITIES

ITEM	MATERIALS		APPLICATION RATE	UNIT	QUANTITIES
	DESCRIPTION	TYPE			
TEMPORARY FIBER ROLL	NATURAL FIBER MATERIALS	TYPE B	SPECIFIED (Std Spec's)	LF	500
TEMPORARY COVER	GEOTEXTILE/PLASTIC COVER	-	-	SQYD	100

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE
 SENIOR LANDSCAPE ARCHITECT: RAY DESSELLE
 CALCULATED/DESIGNED BY: RAY DESSELLE
 CHECKED BY: MIKE BABICH
 MARYANN JOHNS
 REVISOR: MIKE BABICH
 DATE: 10-06-14

PLANT REMOVAL PLAN
 SCALE: 1" = 50' **PR-1**

LAST REVISION: 10-06-14 DATE PLOTTED => 03-NOV-2014 TIME PLOTTED => 10:58

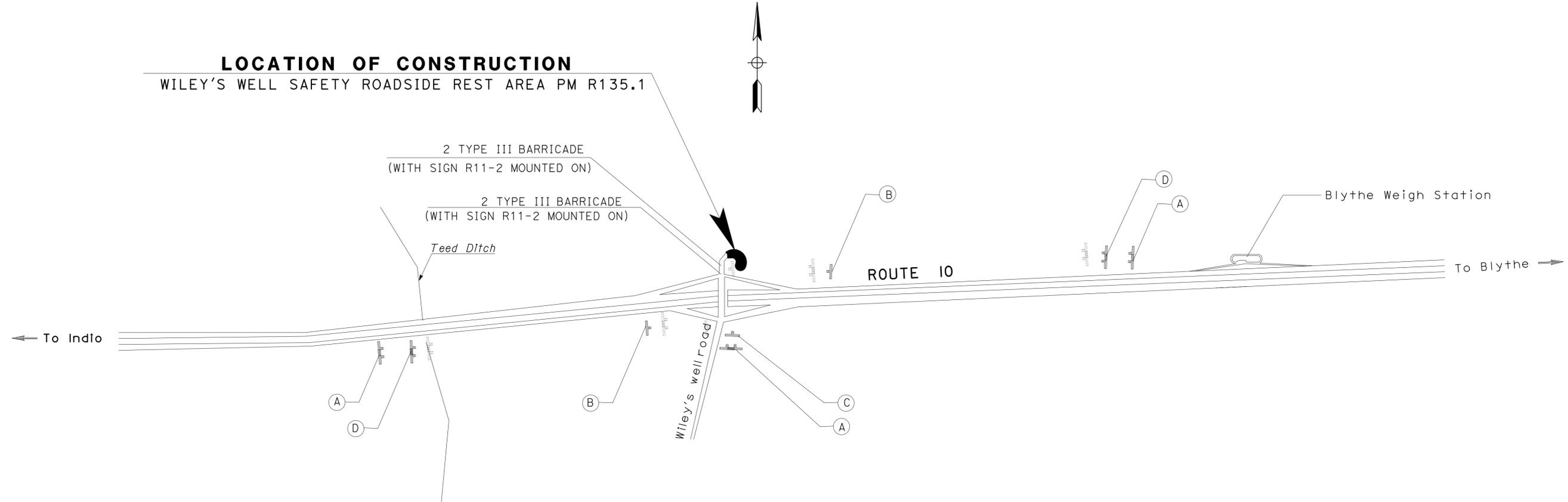
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R135.10	3	33
<i>W.E. Wasser</i> REGISTERED CIVIL ENGINEER			10-6-14 DATE		
			10-6-14 PLANS APPROVAL DATE		
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					

NOTES:

- SIGN LOCATIONS ARE APPROXIMATE. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER.
- SIGNS (B), (C), (D) AND (E) ARE DISPLAYED FOR TRAVELING PUBLIC WHEN THE REST AREA IS CLOSED.
- DURING REST AREA CLOSURE, CONTRACTOR MUST COVER ALL EXISTING GUIDE SIGNS IN THE MAINLINE, RAMPS, OR LOCAL ROAD THAT MENTION "REST AREA".

LOCATION OF CONSTRUCTION

WILEY'S WELL SAFETY ROADSIDE REST AREA PM R135.1



TYPE III BARRICADE

QUANTITY
4

CONSTRUCTION AREA SIGNS

SIGN LETTER	SIGN CODE	SIGN MESSAGE	PANEL SIZE	No. OF POST AND SIZE	STATIONARY MOUNTED SIGN (EA)	LOCATION	REMARKS
(A)	W20-1	REST AREA WORK AHEAD	60" x 60"	2 - 4" x 6"	3		
(B)	SC6-4(CA)	REST AREA CLOSED	48" x 60"	1 - 6" x 6"	2		
(C)	C30(CA)	REST AREA CLOSED	48" x 48"	1 - 6" x 6"	1		
(D)	D5-1b	REST AREA NEXT EXIT CLOSED	120" x 60"	2 - 6" x 8"	2	ON EASTBOUND, PM R134.0 ON WESTBOUND, PM R135.95	COVER EXISTING SIGN "REST AREA" @ PM R134.07 "REST AREA NEXT EXIT" @ PM R135.9
(E)	D5-6	NEXT REST AREA 63 MI CLOSED	92" x 74"	2 - 6" x 8"	1	ON EASTBOUND PM R69.82	COVER EXISTING SIGN "NEXT REST 63 MI" @ PM R69.82 *

* LOCATION NOT SHOWN, OUT OF SCOPE OF THIS SHEET.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR
BILL WASSER

CALCULATED/DESIGNED BY
CHECKED BY

KEVIN NGUYEN
THANH TRINH

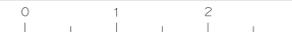
REVISED BY
DATE REVISED

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

CONSTRUCTION AREA SIGNS

NO SCALE

CS-1



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R135.10	4	33

Grace M. Tsushima
REGISTERED CIVIL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

TO ACCOMPANY PLANS DATED 10-06-14

UNIT OF MEASUREMENT SYMBOLS:

Some of the symbols used in the project plan quantity tables and in the Bid Item List are:

TABLE A

SYMBOL USED	DEFINITIONS
ACRE	ACRE
CF	CUBIC FOOT
CY	CUBIC YARD
EA	EACH
GAL	GALLON
LB	POUND
LF	LINEAR FOOT
SQFT	SQUARE FOOT
SQYD	SQUARE YARD
STA	100 FEET
TAB	TABLET
TON	2,000 POUNDS

Some of the symbols used in the plans other than in the project plan quantity tables are:

TABLE B

SYMBOL USED	DEFINITIONS
ksi	KIPS PER SQUARE INCH
ksf	KIPS PER SQUARE FOOT
psi	POUNDS PER SQUARE INCH
psf	POUNDS PER SQUARE FOOT
lb/ft ³ , pcf	POUNDS PER CUBIC FOOT
tsf	TONS PER SQUARE FOOT
mph, MPH *	MILES PER HOUR
∅	NOMINAL DIAMETER
oz	OUNCE
lb	POUND
kíp	1,000 POUNDS
cal	CALORIE
ft	FOOT OR FEET
gal	GALLON

* For use on a sign panel only

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**ABBREVIATIONS
(SHEET 2 OF 2)**

NO SCALE

RSP A10B DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN A10B
DATED MAY 20, 2011 - PAGE 2 OF THE STANDARD PLANS BOOK DATED 2010.

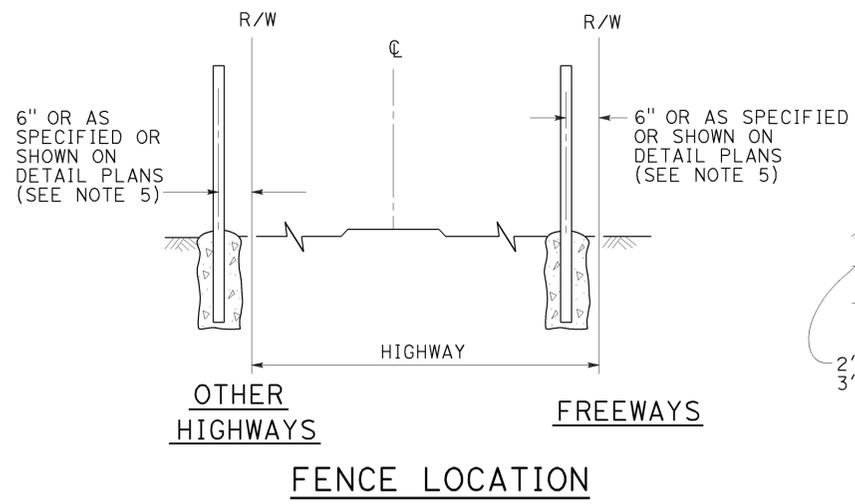
REVISED STANDARD PLAN RSP A10B

	M
Maint	MAINTENANCE
Max	MAXIMUM
MB	METAL BEAM
MBB	METAL BEAM BARRIER
MBGR	METAL BEAM GUARD RAILING
Med	MEDIAN
MGS	MIDWEST GUARDRAIL SYSTEM
MH	MANHOLE
Min	MINIMUM
Misc	MISCELLANEOUS
Misc I & S	MISCELLANEOUS IRON AND STEEL
Mkr	MARKER
Mod	MODIFIED, MODIFY
Mon	MONUMENT
MP	METAL PLATE
MPGR	METAL PLATE GUARD RAILING
MR	MOVEMENT RATING
MSE	MECHANICALLY STABILIZED EMBANKMENT
Mt	MOUNTAIN, MOUNT
MtI	MATERIAL
MVP	MAINTENANCE VEHICLE PULLOUT
	N
N	NORTH
NB	NORTHBOUND
No.	NUMBER (MUST HAVE PERIOD)
Nos.	NUMBERS (MUST HAVE PERIOD)
NPS	NOMINAL PIPE SIZE
NS	NEAR SIDE
NSP	NEW STANDARD PLAN
NTS	NOT TO SCALE
	O
Obir	OBLITERATE
OC	OVERCROSSING
OD	OUTSIDE DIAMETER
OF	OUTSIDE FACE
OG	ORIGINAL GROUND
OGAC	OPEN GRADED ASPHALT CONCRETE
OGFC	OPEN GRADED FRICTION COURSE
OH	OVERHEAD
OHWM	ORDINARY HIGH WATER MARK
O-O	OUT TO OUT
Opp	OPPOSITE
OSD	OVERSIDE DRAIN
	P
p	PAGE
PAP	PERFORATED ALUMINUM PIPE
PB	PULL BOX
PC	POINT OF CURVATURE, PRECAST
PCC	POINT OF COMPOUND CURVE, PORTLAND CEMENT CONCRETE
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
PCP	PERFORATED CONCRETE PIPE, PRESTRESSED CONCRETE PIPE
PCVC	POINT OF COMPOUND VERTICAL CURVE
PEC	PERMIT TO ENTER AND CONSTRUCT
Ped	PEDESTRIAN
Ped OC	PEDESTRIAN OVERCROSSING
Ped UC	PEDESTRIAN UNDERCROSSING
Perm MtI	PERMEABLE MATERIAL

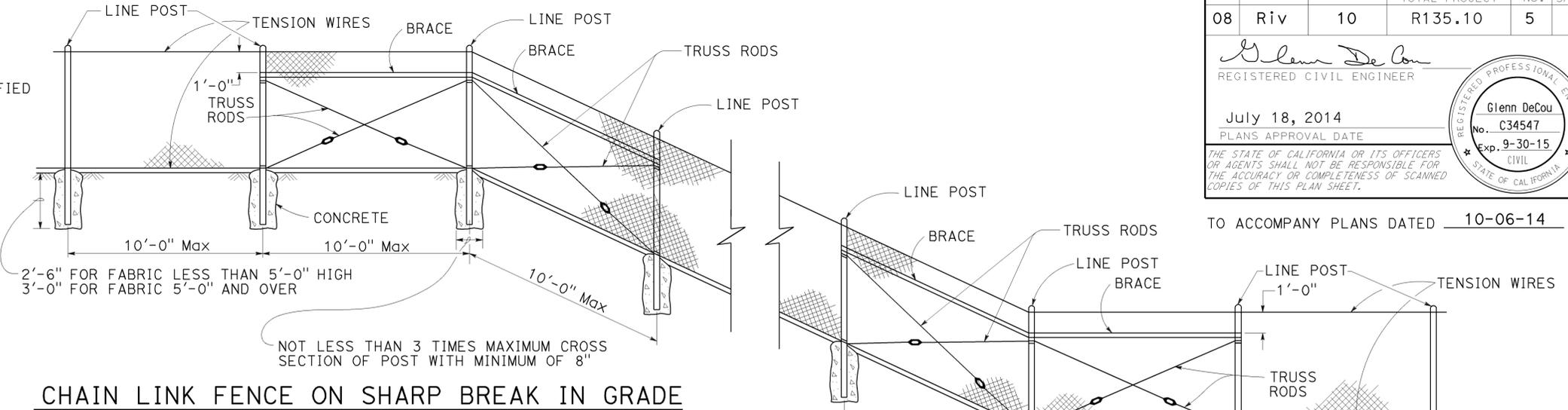
	P continued
PG	PROFILE GRADE
PI	POINT OF INTERSECTION
PJP	PARTIAL JOINT PENETRATION
Pkwy	PARKWAY
PL, PL	PLATE
P/L	PROPERTY LINE
PM	POST MILE, TIME FROM NOON TO MIDNIGHT
PN	PAVING NOTCH
POC	POINT OF HORIZONTAL CURVE
POT	POINT OF TANGENT
POVC	POINT OF VERTICAL CURVE
PP	PIPE PILE, PLASTIC PIPE, POWER POLE
PPL	PREFORMED PERMEABLE LINER
PPP	PERFORATED PLASTIC PIPE
PRC	POINT OF REVERSE CURVE
PRF	PAVEMENT REINFORCING FABRIC
PRVC	POINT OF REVERSE VERTICAL CURVE
PS&E	PLANS, SPECIFICATIONS AND ESTIMATES
PS, P/S	PRESTRESSED
PSP	PERFORATED STEEL PIPE
PT	POINT OF TANGENCY
PVC	POLYVINYL CHLORIDE
Pvmt	PAVEMENT
	Q
Qty	QUANTITY
	R
R	RADIUS
R & D	REMOVE AND DISPOSE
R & S	REMOVE AND SALVAGE
R/C	RATE OF CHANGE
RCA	REINFORCED CONCRETE ARCH
RCB	REINFORCED CONCRETE BOX
RCP	REINFORCED CONCRETE PIPE
RCPA	REINFORCED CONCRETE PIPE ARCH
Rd	ROAD
Reinf	REINFORCED, REINFORCEMENT, REINFORCING
Rel	RELOCATE
Repl	REPLACEMENT
Ret	RETAINING
Rev	REVISED, REVISION
Rdwy	ROADWAY
RHMA	RUBBERIZED HOT MIX ASPHALT
Riv	RIVER
RM	ROAD-MIXED
RP	RADIUS POINT, REFERENCE POINT
RR	RAILROAD
RSP	ROCK SLOPE PROTECTION, REVISED STANDARD PLAN
Rt	RIGHT
Rte	ROUTE
RW	REDWOOD, RETAINING WALL
R/W	RIGHT OF WAY
Rwy	RAILWAY

	S
S	SOUTH, SUPPLEMENT
SAE	STRUCTURE APPROACH EMBANKMENT
Salv	SALVAGE
SAPP	STRUCTURAL ALUMINUM PLATE PIPE
SB	SOUTHBOUND
SC	SAND CUSHION
SCSP	SLOTTED CORRUGATED STEEL PIPE
SD	STORM DRAIN
Sec	SECOND, SECTION
Sep	SEPARATION
SG	SUBGRADE
Shld	SHOULDER
Sht	SHEET
Sim	SIMILAR
⊥	STATION LINE
SM	SELECTED MATERIAL
Spec	SPECIAL, SPECIFICATIONS
SPP	SLOTTED PLASTIC PIPE
SS	SLOPE STAKE
SSBM	STRAP AND SADDLE BRACKET METHOD
SSD	STRUCTURAL SECTION DRAIN
SSPA	STRUCTURAL STEEL PLATE ARCH
SSPP	STRUCTURAL STEEL PLATE PIPE
SSPPA	STRUCTURAL STEEL PLATE PIPE ARCH
SSRP	STEEL SPIRAL RIB PIPE
St	STREET
Sta	STATION
STBB	SINGLE THRIE BEAM BARRIER
Std	STANDARD
Str	STRUCTURE
Surf	SURFACING
SW	SIDEWALK, SOUND WALL
Swr	SEWER
Sym	SYMMETRICAL
S4S	SURFACE 4 SIDES
	T
T	SEMI-TANGENT
Tan	TANGENT
TBB	THRIE BEAM BARRIER
Tbr	TIMBER
TC	TOP OF CURB
TCB	TRAFFIC CONTROL BOX
TCE	TEMPORARY CONSTRUCTION EASEMENT
TeI	TELEPHONE
Temp	TEMPORARY
TG	TOP OF GRADE
Tot	TOTAL
TP	TELEPHONE POLE
TPB	TREATED PERMEABLE BASE
TPM	TREATED PERMEABLE MATERIAL
Trans	TRANSITION

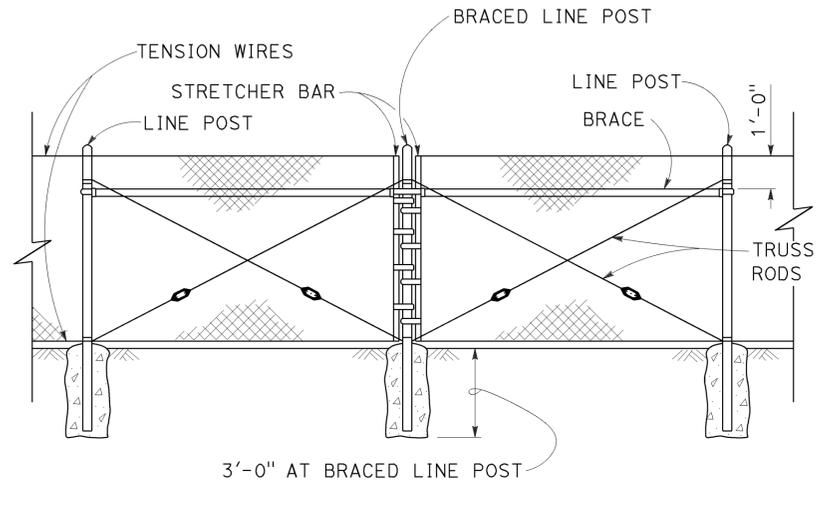
	T continued
TS	TRANSVERSE, TRAFFIC SIGNAL, TUBULAR STEEL
Typ	TYPICAL
	U
UC	UNDERCROSSING
UD	UNDERDRAIN
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
UP	UNDERPASS
	V
V	VALVE, DESIGN SPEED
Var	VARIABLE, VARIES
VC	VERTICAL CURVE
VCP	VITRIFIED CLAY PIPE
Vert	VERTICAL
Via	VIADUCT
Vol	VOLUME
	W
W	WEST, WIDTH
WB	WESTBOUND
WH	WEEP HOLE
WM	WIRE MESH
WS	WATER SURFACE
WSP	WELDED STEEL PIPE
Wt	WEIGHT
WV	WATER VALVE
WW	WINGWALL
WWLOL	WINGWALL LAYOUT LINE
	X
X Sec	CROSS SECTION
Xing	CROSSING
	Y
Yr	YEAR
Yrs	YEARS



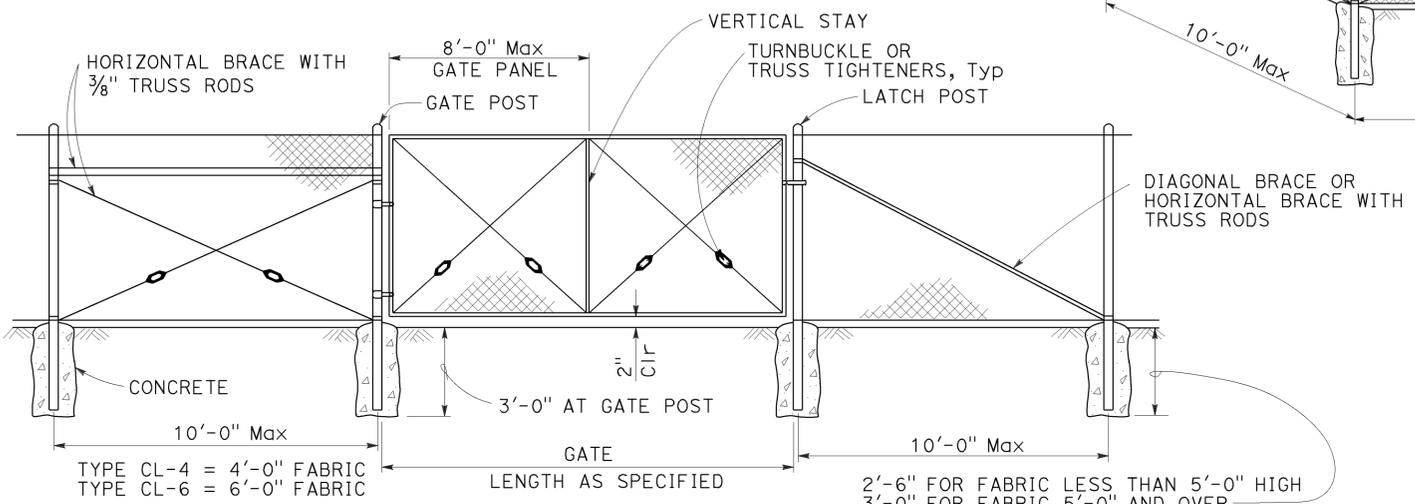
FENCE LOCATION



CHAIN LINK FENCE ON SHARP BREAK IN GRADE



BRACED LINE POST INSTALLATION
Braced line post at intervals not exceeding 1000'



CHAIN LINK GATE INSTALLATION

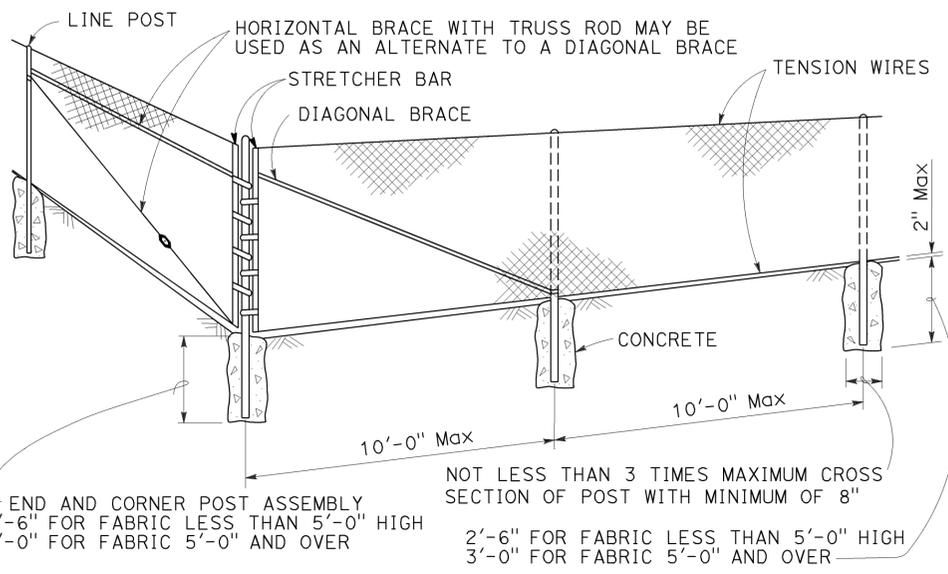
FENCE HEIGHT	GATE WIDTHS	ROUND OD PIPE	WEIGHT (lb/ft)
6'-0" AND LESS	UP THRU 6'-0"	2.875"	5.80
	OVER 6'-0" THRU 12'-0"	4.500"	10.80
	OVER 12'-0" THRU 18'-0"	5.563"	14.63
OVER 6'-0" TO 8'-0" Max	OVER 18'-0" TO 24'-0" Max	6.625"	18.99
	UP THRU 6'-0"	3.500"	7.58
	OVER 6'-0" THRU 12'-0"	5.563"	14.63
	OVER 12'-0" THRU 18'-0"	6.625"	18.99
	OVER 18'-0" TO 24'-0" Max	8.625"	28.58

Above post dimensions and weights are minimums. Larger sizes may be used upon approval.

NOTES:

- The table below shows minimum sized posts and braces complying with the specifications. Larger or heavier post and brace sizes may be used upon approval.
- Sections shown in the tables must also comply with the strength requirements and other provisions of the Specifications.
- Other sections which comply with the strength requirements and other provisions of the Specifications may be used upon approval.
- Options exercised shall be uniform on any one project.
- Offset to be 2'-0" at monument locations, measured at right angles to R/W lines. Taper to achieve offset to be at least 20'-0" long.
- See Revised Standard Plan RSP A85B for Brace, Stretcher Bar, and Truss Tightener Details.

FENCE HEIGHT	LINE POSTS				END, LATCH AND CORNER POSTS		BRACES			
	ROUND OD PIPE	WEIGHT (lb/ft)	ROLL FORMED		ROUND OD PIPE	WEIGHT (lb/ft)	ROUND OD PIPE	WEIGHT (lb/ft)	ROLL FORMED	
			SECTION	WEIGHT (lb/ft)					SECTION	WEIGHT (lb/ft)
6'-0" AND LESS	1.900"	2.72	1.875" x 1.625"	1.85	2.375"	3.65	1.66"	2.27	1.625" x 1.25"	1.35
OVER 6'-0" TO 8'-0" Max	2.375"	3.65	2.25" x 1.70"	2.78	2.875"	5.80	1.66"	2.27	1.625" x 1.25"	1.35



CORNER POST

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
CHAIN LINK FENCE
NO SCALE

RSP A85 DATED JULY 18, 2014 SUPERSEDES STANDARD PLAN A85
DATED MAY 20, 2011 - PAGE 112 OF THE STANDARD PLANS BOOK DATED 2010.

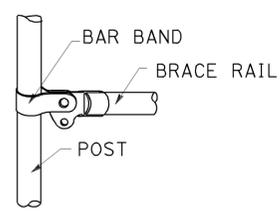
REVISED STANDARD PLAN RSP A85

2010 REVISED STANDARD PLAN RSP A85

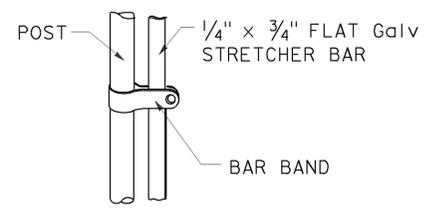
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R135.10	6	33

Glenn DeCou
 REGISTERED CIVIL ENGINEER
 October 19, 2012
 PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

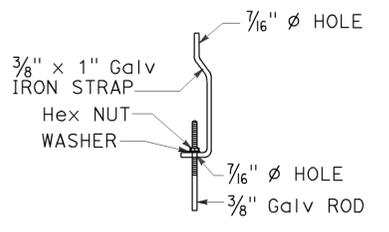
REGISTERED PROFESSIONAL ENGINEER
 Glenn DeCou
 No. C34547
 Exp. 9-30-13
 CIVIL
 STATE OF CALIFORNIA



BRACE RAIL



STRETCHER BAR

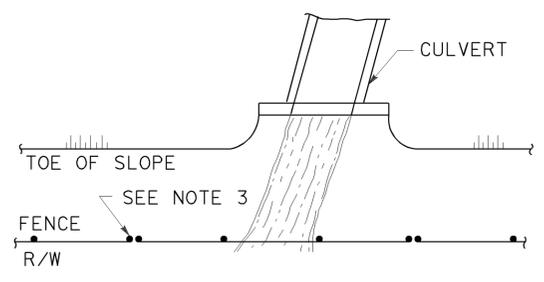


TRUSS TIGHTENER

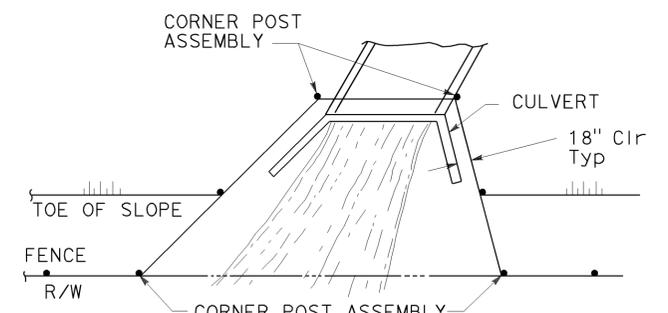
NOTES:

1. All material for abutment connection to be galvanized.
2. The chain link fabric shall be replaced by barbed wire strands at 12" maximum centers between the double posts.
3. When the width of the culvert makes it necessary to anchor a post to the top of the culvert, a cast iron shoe or other device approved by the Engineer shall be used.
4. Fencing over stream and around headwall may also use Barbed Wire or Wire Mesh fencing with either wood post or steel post installation.
5. See Standard Plan A85 for Chain Link fence dimensions. See Standard Plan A86 for Barbed Wire and Wire Mesh fence dimensions and for wood post and steel post installation.

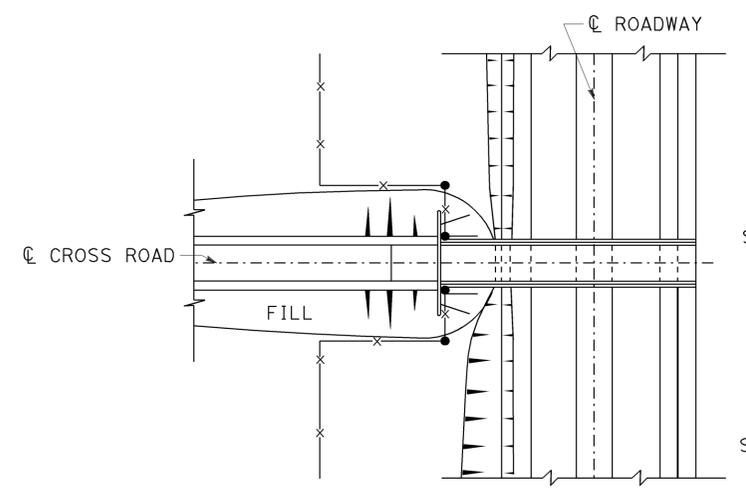
TO ACCOMPANY PLANS DATED 10-06-14



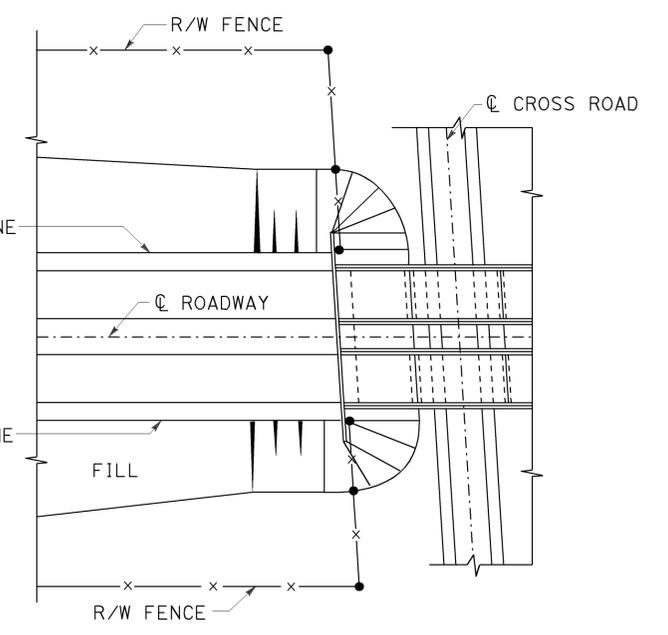
PLAN



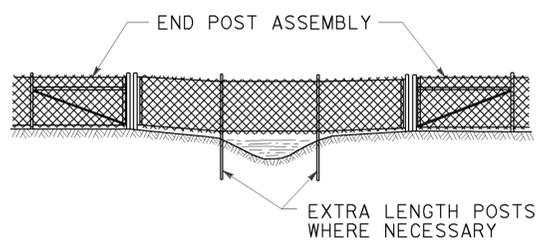
PLAN



PLAN OF ROADWAY - OVERCROSSING

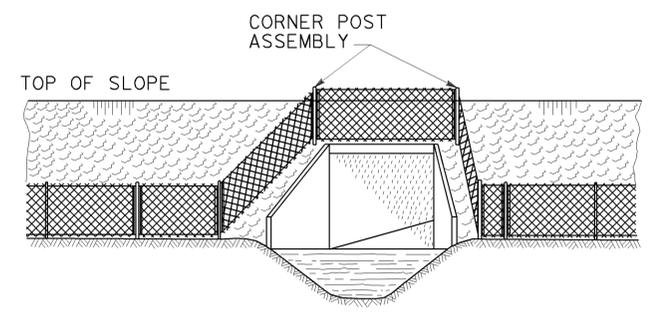


PLAN OF ROADWAY - UNDERCROSSING



ELEVATION

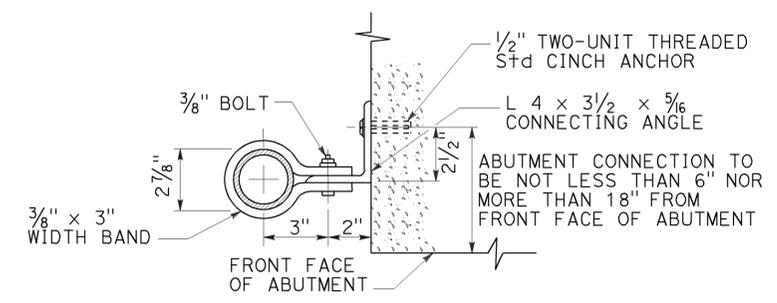
INSTALLATION OVER STREAM



ELEVATION

INSTALLATION AROUND HEADWALL

See Note 4



ABUTMENT CONNECTION

TYPICAL INSTALLATION AT BRIDGES

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
CHAIN LINK FENCE DETAILS
 NO SCALE

RSP A85B DATED OCTOBER 19, 2012 SUPERSEDES STANDARD PLAN A85B DATED MAY 20, 2011 - PAGE 114 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A85B

2010 REVISED STANDARD PLAN RSP A85B

LEGEND:

AB	ABANDON. IF APPLIED TO CONDUIT, REMOVE CONDUCTORS
BC	INSTALL PULL BOX IN EXISTING CONDUIT RUN
BP	PEDESTRIAN BARRICADE, TYPE AS INDICATED ON PLAN
CB	INSTALL CONDUIT INTO EXISTING PULL BOX
CC	CONNECT NEW AND EXISTING CONDUIT. REMOVE EXISTING CONDUCTORS AND INSTALL CONDUCTORS AS INDICATED
CF	CONDUIT TO REMAIN FOR FUTURE USE. REMOVE CONDUCTORS. INSTALL PULL TAPE
DH	DETECTOR HANDHOLE
FA	FOUNDATION TO BE ABANDONED
IS	INSTALL SIGN ON SIGNAL MAST ARM
NS	NO SLIP BASE ON STANDARD
PEC	PHOTOELECTRIC CONTROL
PEU	PHOTOELECTRIC UNIT
RC	EQUIPMENT OR MATERIAL TO BE REMOVED AND BECOME THE PROPERTY OF THE CONTRACTOR
RE	REMOVE ELECTROLIER, FUSES AND BALLAST. TAPE ENDS OF CONDUCTORS
RL	RELOCATE EQUIPMENT
RR	REMOVE AND REUSE EQUIPMENT
RS	REMOVE AND SALVAGE EQUIPMENT
SC	SPLICE NEW TO EXISTING CONDUCTORS
SD	SERVICE DISCONNECT
TSP	TELEPHONE SERVICE POINT

ABBREVIATIONS

APS	ACCESSIBLE PEDESTRIAN SIGNAL	M/M	MULTIPLE TO MULTIPLE TRANSFORMER
BBS	BATTERY BACKUP SYSTEM	Mtg	MOUNTING
BC	BOLT CIRCLE	MV	MERCURY VAPOR LIGHTING FIXTURE
BPB	BICYCLE PUSH BUTTON	MVDS	MICROWAVE VEHICLE DETECTION SYSTEM
C	CONDUIT	N	NEUTRAL (GROUNDED CONDUCTOR)
CB	CIRCUIT BREAKER	NB	NEUTRAL BUS
CCTV	CLOSED CIRCUIT TELEVISION	NC	NORMALLY CLOSE
Ck+	CIRCUIT	NO	NORMALLY OPEN
CMS	CHANGEABLE MESSAGE SIGN	P	CIRCUIT BREAKER'S POLE
Ctid	CALTRANS IDENTIFICATION	PB	PULL BOX
Comm	COMMUNICATION	PBA	PUSH BUTTON ASSEMBLY
DLC	LOOP DETECTOR LEAD-IN CABLE	PEC	PHOTOELECTRIC CONTROL
EMS	EXTINGUISHABLE MESSAGE SIGN	Ped	PEDESTRIAN
EVUC	EMERGENCY VEHICLE UNIT CABLE	PEU	PHOTOELECTRIC UNIT
EVUD	EMERGENCY VEHICLE UNIT DETECTOR	PT	CONDUIT WITH PULL TAPE
FB	FLASHING BEACON	RE	RELOCATED EQUIPMENT
FBCA	FLASHING BEACON CONTROL ASSEMBLY	RM	RAMP METERING
FBS	FLASHING BEACON WITH SLIP BASE	RWIS	ROADSIDE WEATHER INFORMATION SYSTEM
FO	FIBER OPTIC	SB	SLIP BASE
G	EQUIPMENT GROUNDING CONDUCTOR	SIC	SIGNAL INTERCONNECT CABLE
GB	GROUND BUS	Sig	SIGNAL
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	SMA	SIGNAL MAST ARM
HAR	HIGHWAY ADVISORY RADIO	SNS	STREET NAME SIGN
Hex	HEXAGONAL	SP	SERVICE POINT
HPS	HIGH PRESSURE SODIUM	TDC	TELEPHONE DEMARCATION CABINET
IISNS	INTERNALLY ILLUMINATED STREET NAME SIGN	TMS	TRAFFIC MONITORING STATION
ISL	INDUCTION SIGN LIGHTING	TOS	TRAFFIC OPERATIONS SYSTEM
LED	LIGHT EMITTING DIODE	Veh	VEHICLE
LMA	LUMINAIRE MAST ARM	VIVDS	VIDEO IMAGE VEHICLE DETECTION SYSTEM
LPS	LOW PRESSURE SODIUM	WIM	WEIGH-IN-MOTION
Ltg	LIGHTING	Xfmr	TRANSFORMER
Lum	LUMINAIRE		
M	METERED		
MAT	MAST ARM MOUNTING TOP ATTACHMENT		
MAS	MAST ARM MOUNTING SIDE ATTACHMENT		

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R135.10	7	33

Theresa Gabriel
REGISTERED ELECTRICAL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

Theresa
Aziz Gabriel
No. E15129
Exp. 6-30-14
ELECTRICAL
STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

TO ACCOMPANY PLANS DATED 10-06-14

SOFFIT AND WALL MOUNTED LUMINAIRES

- PENDANT, 70 W HPS UNLESS OTHERWISE SPECIFIED
- FLUSH, 70 W HPS UNLESS OTHERWISE SPECIFIED
- WALL SURFACE, 70 W HPS UNLESS OTHERWISE SPECIFIED
- EXISTING SOFFIT OR WALL LUMINAIRE TO REMAIN UNMODIFIED
- EXISTING SOFFIT OR WALL LUMINAIRE TO BE MODIFIED AS SPECIFIED

NOTE:
Arrow indicates "street side" of luminaire.

COMMONLY USED SYMBOLS FOR UNITED STATES CUSTOMARY UNITS OF MEASUREMENT:

SYMBOL USED	DEFINITIONS
Ω	OHMS
min	MINUTE
s	SECOND
bps	BITS PER SECOND
Bps	BYTES PER SECOND
A	AMPERE
V	VOLT
V(dc)	VOLT (DIRECT CURRENT)
V(ac)	VOLT (ALTERNATING CURRENT)
FC	FOOT - CANDLE
W	WATTS
VA	VOLT-AMPERE
M	MEGA
k	KILO
m	MILLI
μ	MICRO
P	PICO
HZ	HERTZ

MISCELLANEOUS ELECTROLIERS

NEW	EXISTING	
		LUMINAIRE ON WOOD POLE
		NON-STANDARD ELECTROLIER (SEE PROJECT NOTES OR PROJECT PLANS)
		CITY ELECTROLIER
		ELECTROLIER FOUNDATION (FUTURE INSTALLATION)

- NOTES:**
- HPS luminaires shall be 310 W HPS when installed on Type 21, 21D, 30, 31 and 32 Standards, unless otherwise specified. HPS luminaires shall be 200 W when installed on other type standards or poles, unless otherwise specified.
 - LED luminaires shall be 235 W when installed on Type 21, 21D, 30, 31 and 32 Standards, unless otherwise specified. LED luminaires shall be 165 W when installed on other type standards or poles, unless otherwise specified.
 - Luminaires shall be the cutoff type, ANSI Type III medium cutoff lighting distribution, unless otherwise specified.

STANDARD ELECTROLIER

NEW	EXISTING	STANDARD TYPE
		15
		15D
		15 STRUCTURE
		15D STRUCTURE
		21
		21D
		21 STRUCTURE
		21D STRUCTURE
		30
		31
		32

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**ELECTRICAL SYSTEMS
(LEGEND AND ABBREVIATIONS)**

NO SCALE

RSP ES-1A DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN ES-1A DATED MAY 20, 2011 - PAGE 425 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP ES-1A

2010 REVISED STANDARD PLAN RSP ES-1A

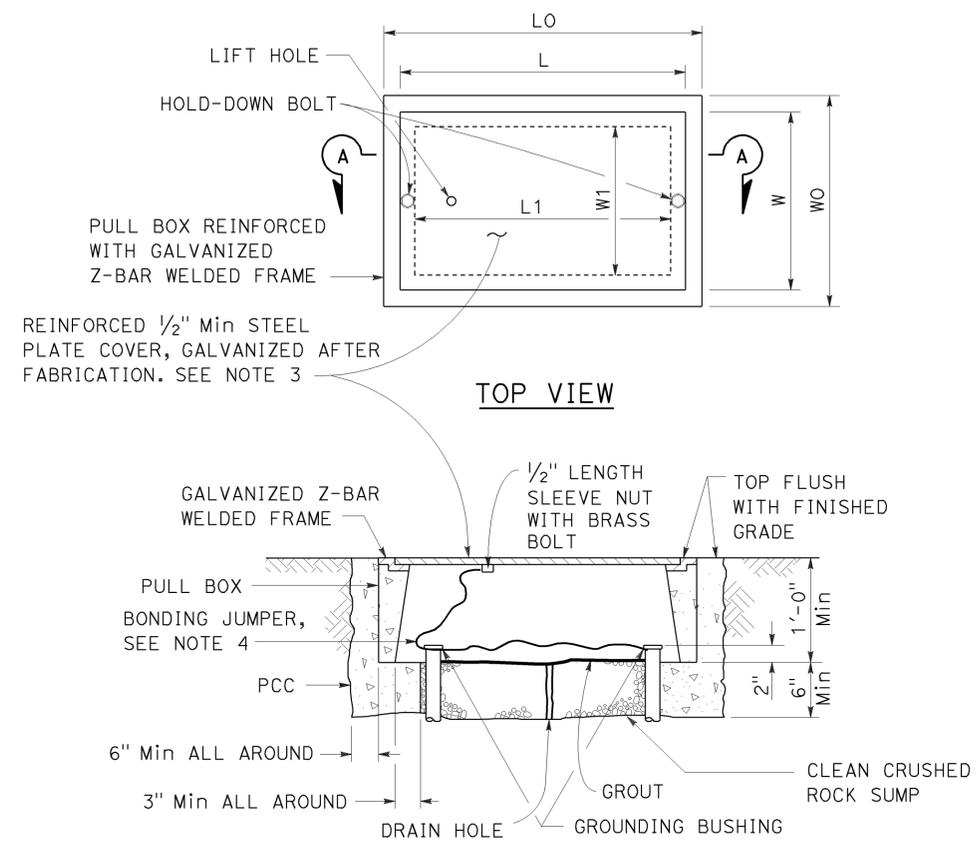
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	10	R135.10	8	33

Theresa Gabriel
 REGISTERED ELECTRICAL ENGINEER
 July 19, 2013
 PLANS APPROVAL DATE

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REGISTERED PROFESSIONAL ENGINEER
 Theresa Aziz Gabriel
 No. E15129
 Exp. 6-30-14
 ELECTRICAL
 STATE OF CALIFORNIA

TO ACCOMPANY PLANS DATED 10-06-14



No. 3 1/2(T), No. 5(T) AND No. 6(T) TRAFFIC PULL BOX

NOTES:

- Traffic pull box shall be provided with steel cover and special concrete footing. Steel cover shall have embossed non-skid pattern.
- Steel reinforcing shall be as regularly used in the standard products of the respective manufacturer.
- Pull box covers shall be marked as follows: "SERVICE" Service circuits between service point and service disconnect; "SPRINKLER-CONTROL" Sprinkler control circuits, 50 V or less; "CALTRANS" On all pull boxes, except pull boxes marked "SPRINKLER-CONTROL"; and "TELEPHONE" Telephone service.
 - No. 3 1/2(T) pull box.
 - "SIGNAL" - Traffic signal circuits with or without lighting or sign lighting circuits.
 - "LIGHTING" - Lighting or sign lighting circuits where voltage is under 600 V.
 - No. 5(T) or 6(T) pull box.
 - "TRAFFIC SIGNAL" - Traffic signal circuits with or without lighting or sign lighting circuits.
 - "LIGHTING" - Lighting or sign lighting circuits where voltage is under 600 V.
 - "LIGHTING-HIGH VOLTAGE" - Lighting or sign lighting circuits where voltage is above 600 V.
 - "IRRIGATION" - Circuits to irrigation controller 120 V or more.
 - "RAMP METER" - Ramp meter circuits.
 - "COUNT STATION" - Count or speed monitor circuits.
 - "COMMUNICATION" - Communication circuits.
 - "TOS COMMUNICATIONS" - TOS communications line.
 - "TOS POWER" - TOS power.
 - "TDC POWER" - Telephone demarcation cabinet power.
 - "CCTV" - Closed circuit television circuits.
 - "TMS" - Traffic monitoring station circuits.
 - "CMS" - Changeable message sign circuits.
 - "HAR" - Highway advisory radio circuits.
 - "BOOSTER PUMP" - Booster pump circuit.
- Bonding jumper for metal covers shall be 3' long, minimum.
- The nominal dimensions of the opening in which the cover sets shall be the same as the cover dimensions except the length and width dimensions shall be 1/8" greater.
- Covers and boxes shall be interchangeable with California standard male and female gages. When interchanged with a standard male or female gage, the top surfaces shall be flush within 1/8".

PULL BOX	PULL BOX						COVER				
	MINIMUM * THICKNESS	MINIMUM DEPTH BOX AND EXTENSION	W0	L0	L1	W1	L **	W **	R	EDGE THICKNESS	EDGE TAPER
No. 3 1/2(T)	1 1/2"	1'-0"	1'-5"± 1"	1'-8 3/8"±	1'-2 1/2"±	10 5/8"± 1"	1'-8"±	1'-1 3/4"±	0"	1/2"	NONE
No. 5(T)	1 3/4"	1'-0"	1'-11 1/2"± 1"	2'-5 1/2"±	1'-7"±	1'-1"± 1"	2'-3"±	1'-4"±	0"	1/2"	NONE
No. 6(T)	2"	1'-0"	2'-6"± 1"	2'-11 1/2"±	1'-11 1/2"±	1'-5"± 1"	2'-9"±	1'-8"±	0"	1/2"	NONE

* EXCLUDING CONDUIT WEB ** TOP DIMENSION

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
ELECTRICAL SYSTEMS (TRAFFIC PULL BOX)
 NO SCALE

RSP ES-8B DATED JULY 19, 2013 SUPERSEDES RSP ES-8B DATED JANUARY 20, 2012 THAT SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2010.

2010 REVISED STANDARD PLAN RSP ES-8B

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
GP	GENERAL PLAN
SANITARY SEWER	
SS-1	NOTES, LEGEND AND ABBREVIATIONS
SS-2	EXISTING SEWER PLAN
SS-3	MODIFIED SEWER PLAN
SS-4	SEPTIC TANK DETAILS
SS-5	DETAILS-1
SS-6	DETAILS-2
SS-7	DETAILS-3
SS-8	DETAILS-4
SS-9	WASTEWATER LOW VOLTAGE ELECTRICAL LAYOUT

ELECTRICAL

EE0-0	LEGEND
EE0-1	NOTES AND ABBREVIATIONS
EE1-1	EXISTING SITE PLAN
EE1-2	MODIFIED SITE PLAN
EE1-3	POWER SINGLE LINE DIAGRAM
EE1-4	SERVICE EQUIPMENT DETAIL
EE1-5	ARC FLASH WARNING LABELS
EE2-1	SEPTIC TANK ENLARGED PLAN
EE2-2	SEWAGE PUMP CONTROL PANEL 1
EE2-3	SEWAGE PUMP CONTROL PANEL 2
EE2-4	SEWAGE PUMP CONTROL PANEL SCHEMATIC 1
EE2-5	SEWAGE PUMP CONTROL PANEL SCHEMATIC 2
EE2-6	SEWAGE PUMP CONTROL PANEL SCHEMATIC 3
EE2-7	SEWAGE PUMP PLC MODULES 1
EE2-8	SEWAGE PUMP PLC MODULES 2

PROJECT MUST CONFORM TO THE FOLLOWING CODES:

Applicable Codes
 Effective January 1, 2014
 Title 19 CCR, Public Safety, State Fire Marshal Regulations
 Title 24 CCR, Part 1 - 2013 Building Standards Administrative Code
 Title 24 CCR, Part 2 - 2013 California Building Code, Vol. 1 & 2(CBC)
 (2012 IBC, as amended by CA)
 Title 24 CCR, Part 3 - 2013 California Electrical Code (CEC)
 (2011 NEC, as amended by CA)
 Title 24 CCR, Part 4 - 2013 California Mechanical Code (CMC)
 (2012 IAPMO UMC as amended by CA)
 Title 24 CCR, Part 5 - 2013 California Plumbing Code (CPC)
 (2012 IAPMO UPC, as amended by CA)
 Title 24 CCR, Part 6 - 2013 California Energy Code
 Title 24 CCR, Part 9 - 2013 California Fire Code (CFC)
 (2012 IFC, as amended by CA)
 Title 24 CCR, Part 11 - 2013 California Green Building Stds Code
 Title 24 CCR, Part 12 - 2013 California Referenced Standards
 (CCR= California Code of Regulations)

SCOPE OF WORK:

SEWER
 Construct wastewater treatment system including septic tank, duplex pumps, leachfield, and other related components.
ELECTRICAL
 Replace sewage controls and replace and upgrade service equipment.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R135.10	9	33

Jerome R. Marcotte 6-19-2014
 REGISTERED CIVIL ENGINEER DATE
 10-06-2014
 PLANS APPROVAL DATE

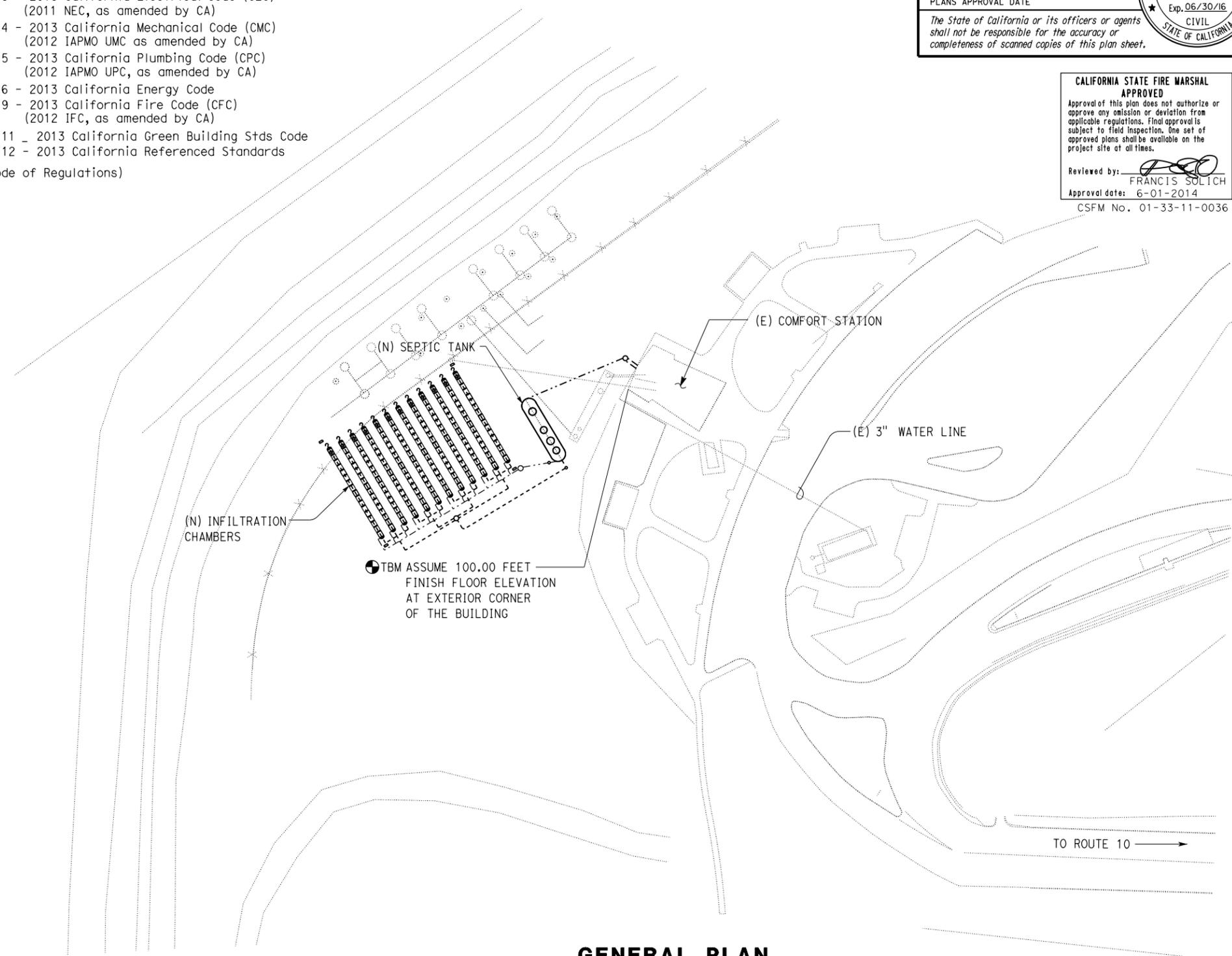
REGISTERED PROFESSIONAL ENGINEER
 JEROME R. MARCOTTE
 No. C 36844
 Exp. 06/30/16
 CIVIL
 STATE OF CALIFORNIA

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CALIFORNIA STATE FIRE MARSHAL APPROVED

Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

Reviewed by: *[Signature]*
 FRANCIS SOLICH
 Approval date: 6-01-2014
 CSFM No. 01-33-11-0036



GENERAL PLAN

SCALE: 1" = 40'-0"

DESIGN SUPERVISOR	<i>[Signature]</i>	DESIGN BY	Amar Baidwan	CHECKED	Jerry Marcotte
DESIGN ENGINEER	<i>Jerome R. Marcotte</i>	DETAILS BY	Amar Baidwan	CHECKED	Jerry Marcotte
		QUANTITIES BY	Amar Baidwan	CHECKED	Jerry Marcotte

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
 ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN

BRIDGE No. 56R0005
 POST MILE R135.10

WILEY'S WELL SAFETY ROADSIDE REST AREA
 GENERAL PLAN

SHEET **GP** OF

ABBREVIATIONS

A	AIR	In	INCH	WW	WASTEWATER
AB	AGGREGATE BASE	JB	JUNCTION BOX	W/O	WITHOUT
Arch	ARCHITECTURAL	kW	KILOWATT	WP	WATER PIPE
B	BUNG	L	LENGTH	WSP	WELDED STEEL PIPE
Bldg	BUILDING	Lb	POUND		
C	CONDUIT	LIS	LANDSCAPE IRRIGATION		
C-C	CENTER TO CENTER	L+	LEFT		
Cfs	CUBIC FEET PER SECOND	Max	MAXIMUM		
CI	CAST IRON	MBV	MOTORIZED BALL VALVE		
CL	CHAIN LINK	Mech	MECHANICAL		
CMP	CORRUGATED METAL PIPE	MH	MANHOLE		
Conc	CONCRETE	MEMB	MEMBRANE		
CO	CLEANOUT	Min	MINIMUM		
COTF	CLEANOUT TO FLOOR	(N)	NEW		
COTG	CLEANOUT TO GRADE	N	NORTH		
Cplg	COUPLING	NB	NORTHBOUND		
CW	COLD WATER PIPE	NIC	NOT IN CONTRACT		
D	DRAIN / OR DEPTH	No	NUMBER		
DI	DRAIN INLET	NTS	NOT TO SCALE		
Dia	DIAMETER	OC	ON CENTER		
DP	DRAIN PIPE	OD	OUTSIDE DIAMETER		
Elect	ELECTRICAL	OG	ORIGINAL GROUND		
(E)	EXISTING	P	PITCH		
Ea	EACH	PCC	PORTLAND CEMENT CONCRETE		
EB	EASTBOUND	PH	PHASE		
EEWS	EMERGENCY EYE WASH SHOWER	PRV	PRESSURE REDUCING VALVE		
Elev	ELEVATION	PVC	POLYVINYL CHLORIDE		
EP	EDGE OF PAVEMENT	R	RADIUS		
EPDM	ETHYLENE PROPYLENE DIMONOMER PIPE	RCP	REINFORCED CONCRETE PIPE		
Eq	EQUAL	Req	REQUIRED		
FD	FLOOR DRAIN	RPM	REVOLUTIONS PER MINUTE		
FOB	FACE OF BUILDING	RPBP	REDUCED PRESSURE BACK FLOW PREVENTER		
FF	FINISH FLOOR	RPU	RECYCLE PROCESS UNIT		
FG	FINISH GRADE	RT	RIGHT		
FL	FLOW LINE	RV	RELIEF VALVE		
FM	FORCE MAIN	R/W	RIGHT-OF-WAY		
FOC	FACE OF CONCRETE	S	SLOPE		
FLS	FLOW SWITCH	SB	SOUTHBOUND		
F+	FEET	Sch	SCHEDULE		
FTR	FLUE THROUGH ROOF	SD	STORM DRAIN		
Ga	GAUGE	SDS	SANITARY DUMP STATION		
GAC	GRANULAR ACTIVATED CARBON	SP	SEWER PIPE		
Gal	GALLON	Sq	SQUARE		
GPM	GALLONS PER MINUTE	SST	STAINLESS STEEL		
Galv	GALVANIZED	Sta	STATION		
GSP	GALVANIZED STEEL PIPE	STD	STANDARD BENCH MARK		
GV	GATE VALVE	Struc	STRUCTURAL		
GS	GOVERNMENT SERVICE LINE	TBM	TEMPORARY BENCH MARK		
H	HEIGHT	TOC	TOP OF CONCRETE		
H/C	HOT WATER CLEANER	To+	TOTAL		
HF	HOSE FAUCET	Typ	TYPICAL		
HMA	HOT MIX ASPHALT	VAC	VOLTAGE ALTERNATING CURRENT		
HP	HORSEPOWER	VCP	VITRIFIED CLAY PIPE		
ID	INSIDE DIAMETER	W	WATER		
IE	INVERT ELEVATION (IN FEET)	WB	WESTBOUND		

LEGEND

	FENCE		DETAIL SHEET NUMBER
	SURFACE DRAINAGE	99.00	NEW GRADE IN FEET
	ABANDON	X (100.00)	EXISTING SPOT GRADE IN FEET
	SANITARY SEWER		SURFACE DRAINAGE
	DRAIN		ABANDON (E)
	RETURN DRAIN		BENCHMARK ELEVATION
	VENT		SECTION / ELEVATION LETTER SHEET NUMBER
	WATER		TREE
	FORCE MAIN		DIRECTION OF TRAFFIC
	LEACH LINES		
	ELECTRICAL LINES		

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R135.10	10	33

Jerome R. Marcotte 6-19-2014
 REGISTERED CIVIL ENGINEER DATE
 10-06-2014
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 JEROME R. MARCOTTE
 No. C 36844
 Exp. 06/30/16
 CIVIL
 STATE OF CALIFORNIA

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Reviewed by: *Francis Solich*
 FRANCIS SOLICH
 Approval date: 6-01-2014
 CSFM No. 01-33-11-0036

PIPE FITTINGS AND VALVES

	EMERGENCY EYE WASH & SHOWER
	FLOW METER
	SOLENOID VALVE
	CAP, THREADED
	ELBOW, TURNED DOWN
	FLEXIBLE CONNECTOR
	REDUCER, CONCENTRIC
	REDUCER, ECCENTRIC
	PRESSURE GAUGE (WITH VALVE AND SNUBBER)
	UNION
	UNION, INSULATING
	VALVE, BALL
	VALVE, CHECK
	VALVE, GATE
	VALVE, SAFETY RELIEF
	VALVE, PRESSURE REDUCING
	WATER METER
	HOSE FAUCET

GENERAL WORK NOTES

1. Verify all controlling field dimensions and conditions before ordering or fabricating any materials.
2. Verify exact location of all underground facilities and utilities prior to start of construction.
3. No 90 degree bends allowed on drain or sewage pipe. Where 90 degree bends are shown, use two 45 degree bends.

SYMBOLS

	PLATE
	CENTER LINE
	DIAMETER

DESIGN	BY Amar Baidwan	CHECKED Jerry Marcotte	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No.	WILEY'S WELL SAFETY ROADSIDE REST AREA NOTES, LEGEND & ABBREVIATIONS	SHEET	
DETAILS	BY Amar Baidwan	CHECKED Jerry Marcotte			56R0005		10-06-2014	OF 33
QUANTITIES	BY Amar Baidwan	CHECKED Jerry Marcotte			R135.10			

UNIT: 3616 CONTRACT No.: 0L5901 DISREGARD PRINTS BEARING EARLIER REVISION DATES

PROJECT NUMBER & PHASE: 08000004211

REVISION DATES (PRELIMINARY STAGE ONLY)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33

TAEWW Imperial - CCSC Rev. 02/13 ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

D:\Dist-08\Wiley's Wells SEWER 2014\Wiley's well BORDER 11-03-14\ss 1.dan

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R135.10	11	33

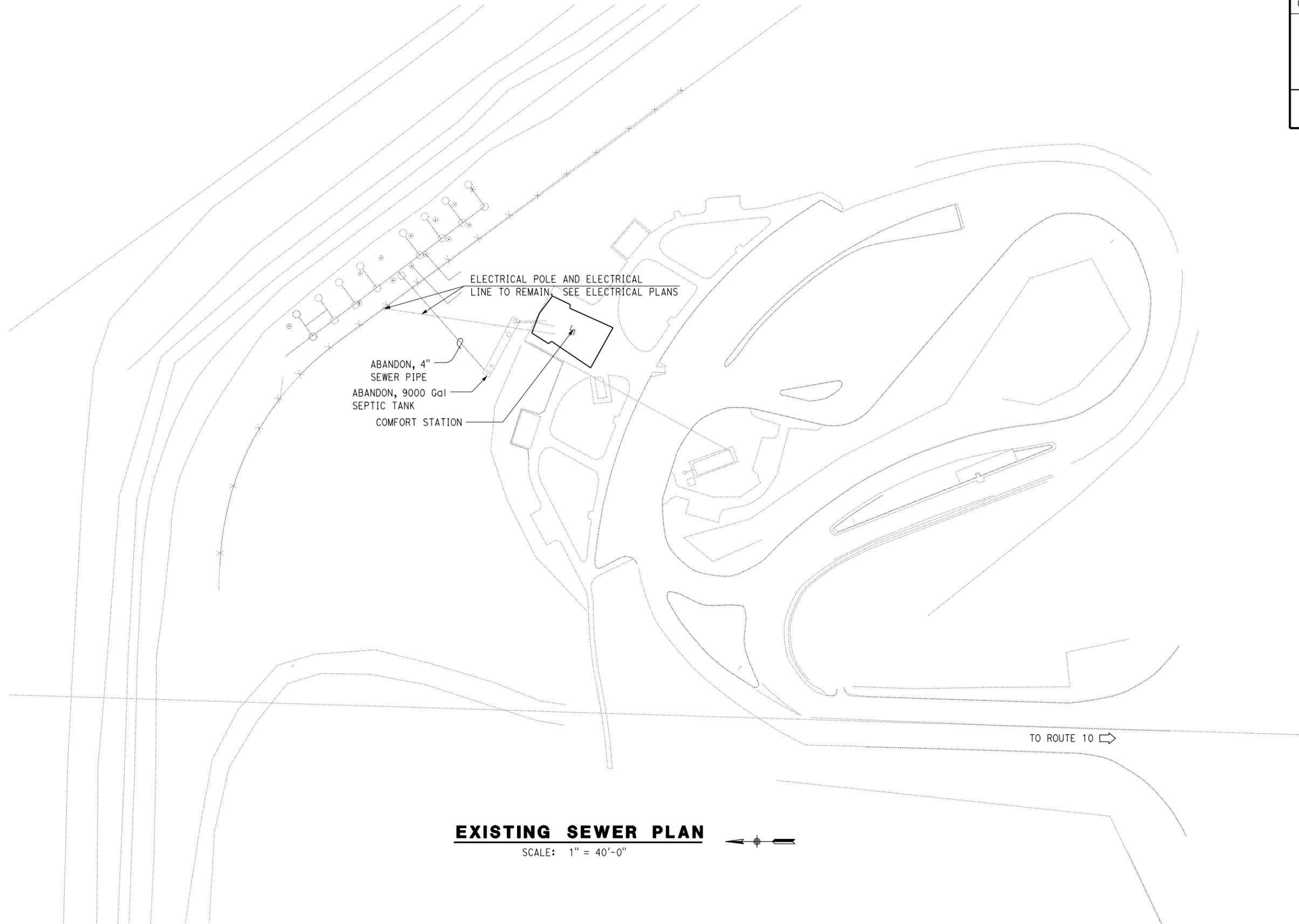
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 10-06-2014
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REGISTERED PROFESSIONAL ENGINEER
 JEROME R. MARCOTTE
 No. C 36844
 Exp. 06/30/16
 CIVIL
 STATE OF CALIFORNIA

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Reviewed by: *[Signature]*
 FRANCIS SOLICH
 Approval date: 6-01-2014
 CSFM No. 01-33-11-0036



EXISTING SEWER PLAN
 SCALE: 1" = 40'-0"

DESIGN	BY Amar Baidwan	CHECKED Jerry Marcotte
DETAILS	BY Amar Baidwan	CHECKED Jerry Marcotte
QUANTITIES	BY Amar Baidwan	CHECKED Jerry Marcotte

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
 ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN

BRIDGE No. 56R0005
 POST MILE R135.10

WILEY'S WELL SAFETY ROADSIDE REST AREA
 EXISTING SEWER PLAN

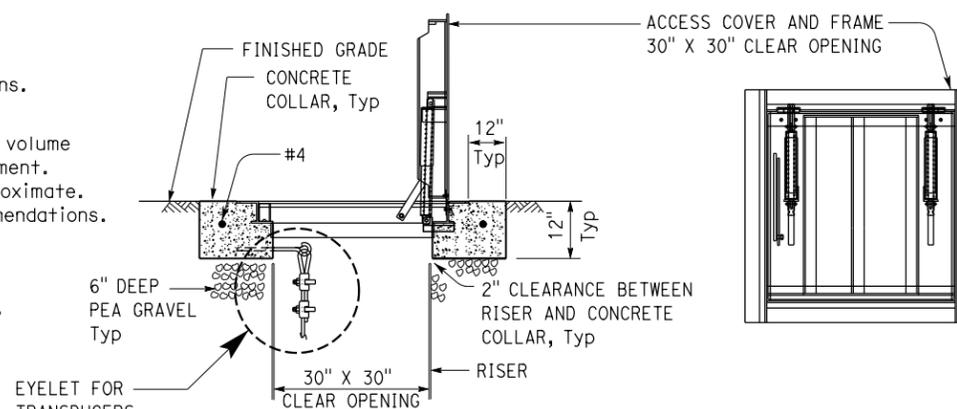
SHEET **SS-2** OF

EQUIPMENT SCHEDULE

EQUIPMENT	HP	VOLTS	PHASE	PUMPING RATE (GPM)	TOTAL DYNAMIC HEAD (Ft)
DUPLEX PUMPS # 1, # 2	1/2	230	1	25	30

NOTES:

1. Deadman dimensions may vary by manufacturer. Install deadman per septic tank manufacturer's recommendations.
2. Baffles must be installed at locations to divide tank volume into approximate 10,000 gallons for the third compartment. Lengths may vary by the manufacturer. Volume is approximate. Bedding thickness and depth per manufacturer's recommendations.
3. Pump activation and water level elevations:
 High level alarm "ON" at 1'-2" below inside top of tank.
 Lag pump "ON" at 3'-2" below inside top of tank.
 Lead pump "ON" at 6'-6" below inside top of tank.
 Lag pump "OFF" at 6'-6" below inside top of tank.
 Lead pump "OFF" at 6'-10" below inside top of tank.
 Very low level at 7'-2" below inside top of tank.



1 ACCESS COVER AND FRAME DETAIL
NO SCALE

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R135.10	13	33

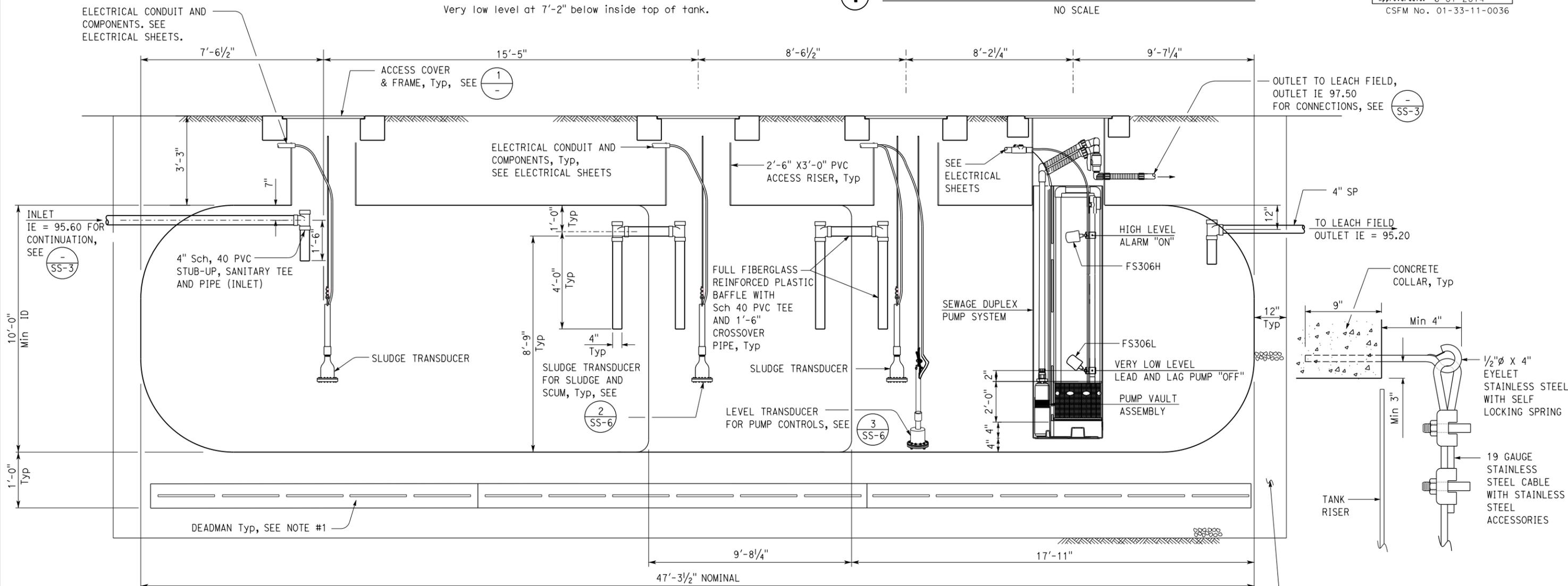
Jerome R. Marcotte 6-19-2014
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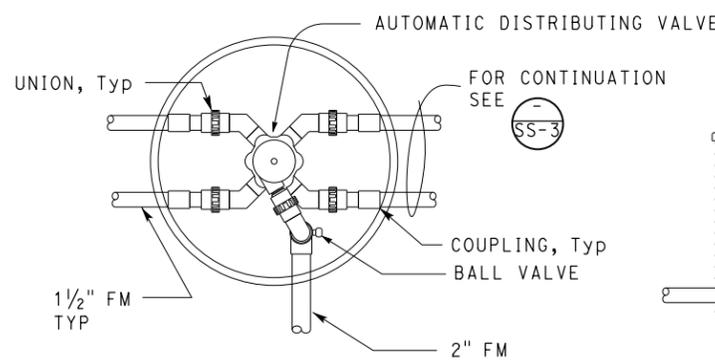
25,000 GALLON SEPTIC TANK ELEVATION
NO SCALE

2 EYELET FOR TRANSDUCERS
NO SCALE

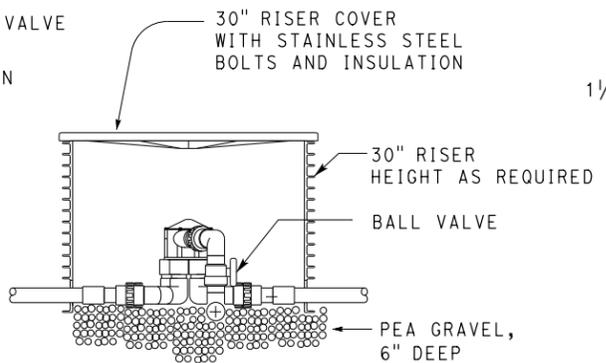
DESIGN BY Amar Baidwan CHECKED Jerry Marcotte	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE No. 56R0005	WILEY'S WELL SAFETY ROADSIDE REST AREA SEPTIC TANK DETAILS	SHEET
DETAILS BY Amar Baidwan CHECKED Jerry Marcotte		ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	POST MILE R135.10		SS-4
QUANTITIES BY Amar Baidwan CHECKED Jerry Marcotte		UNIT: 3616 CONTRACT No.: 0L5901 PROJECT NUMBER & PHASE: 0800004211	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS: 0 1 2 3
 TAEWW Imperial - CCSC Rev. 02/13
 D:\Dist-08\Wiley's Wells SEWER 2014\Wiley's well BORDER 11-03-14\ss 4.dgn

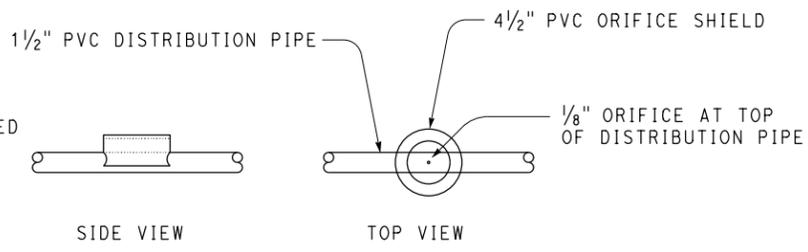
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R135.10	14	33
<i>Jerome R. Marcotte</i> 6-19-2014 REGISTERED CIVIL ENGINEER DATE			REGISTERED PROFESSIONAL ENGINEER No. C 36844 Exp. 06/30/16 CIVIL STATE OF CALIFORNIA		
PLANS APPROVAL DATE 10-06-2014 <i>The State of California or its officers or agents shall not be responsible for the accuracy or completeness of scanned copies of this plan sheet.</i>					



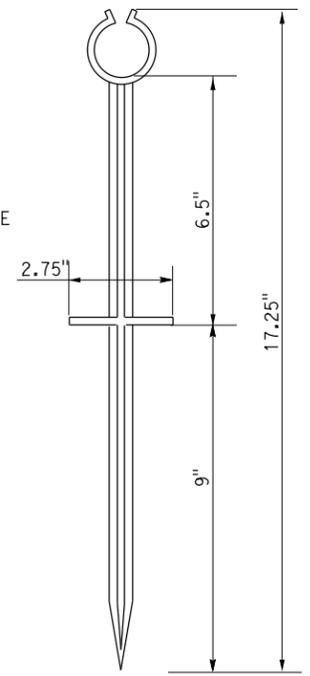
1 PLAN



SECTION



2 ORIFICE SHIELD
NO SCALE

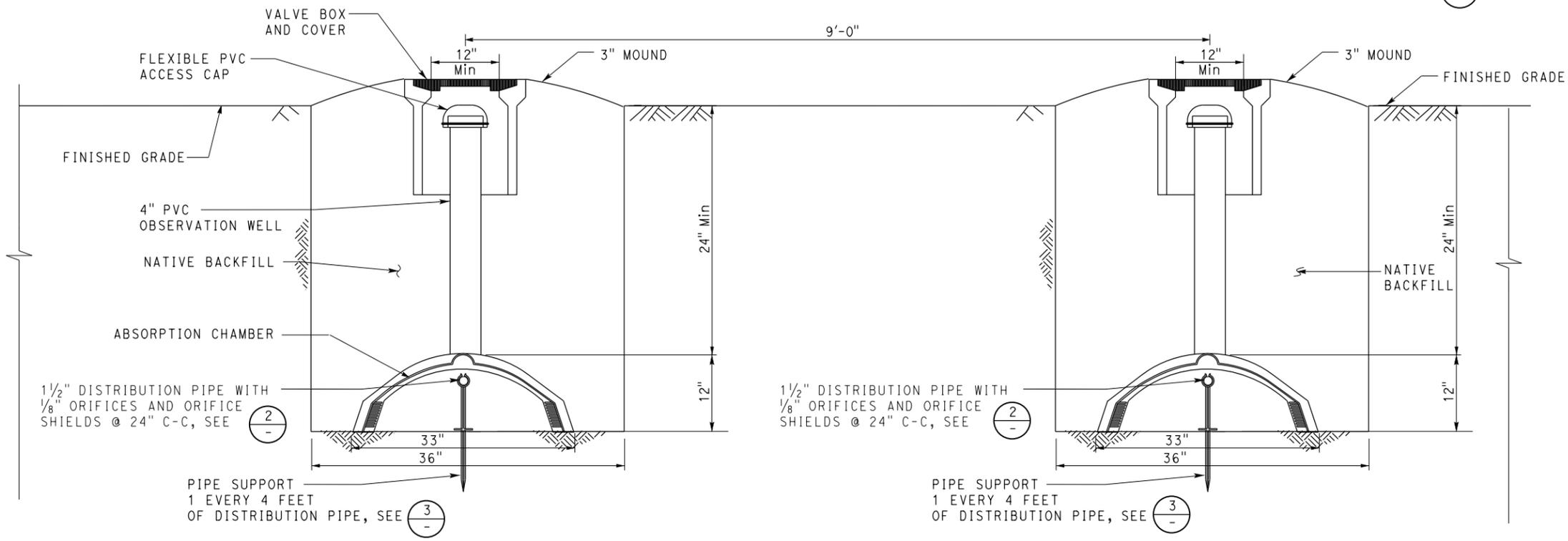


3 PIPE SUPPORT
NO SCALE

CALIFORNIA STATE FIRE MARSHAL APPROVED
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 Reviewed by: *Francis Solich*
 FRANCIS SOLICH
 Approval date: 6-01-2014
 CSFM No. 01-33-11-0036

1 AUTOMATIC DISTRIBUTING VALVE
NO SCALE

NOTE: CONFIGURATION OF AUTOMATIC DISTRIBUTING VALVE MAY VARY BY MANUFACTURER.



4 INFILTRATION CHAMBER AND OBSERVATION WELL
NO SCALE

THIS DRAWING ACCURATE FOR SANITARY SEWER WORK ONLY

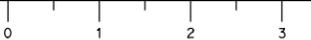
DESIGN	BY Amar Baidwan	CHECKED Jerry Marcotte
DETAILS	BY Amar Baidwan	CHECKED Jerry Marcotte
QUANTITIES	BY Amar Baidwan	CHECKED Jerry Marcotte

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF ENGINEERING SERVICES
 ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN

BRIDGE No. 56R0005
 POST MILE R135.10
WILEY'S WELL SAFETY ROADSIDE REST AREA
 DETAILS-1

SHEET **SS-5**

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS



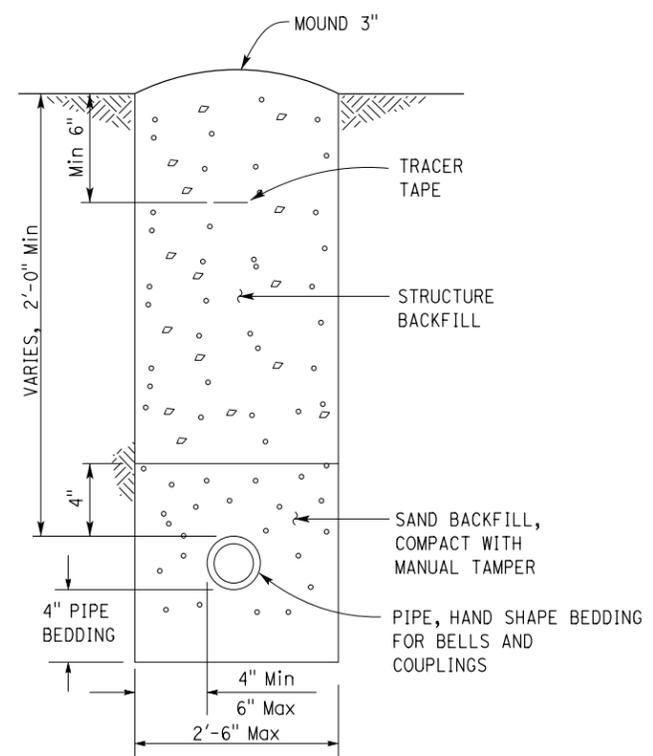
UNIT: 3616 CONTRACT No.: 0L5901
 PROJECT NUMBER & PHASE: 0800004211

DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
	12-04-10 1-14-10 2-14-10 3-14-10 4-14-10 5-14-10 6-19-14	

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R135.10	15	33

Jerome R. Marcotte 6-19-2014
 REGISTERED CIVIL ENGINEER DATE
 10-06-2014
 PLANS APPROVAL DATE
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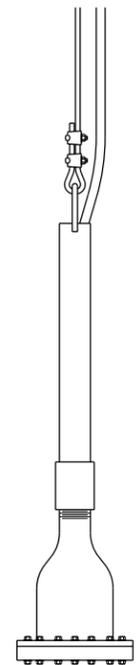
REGISTERED PROFESSIONAL ENGINEER
 JEROME R. MARCOTTE
 No. C 36844
 Exp. 06/30/16
 CIVIL
 STATE OF CALIFORNIA



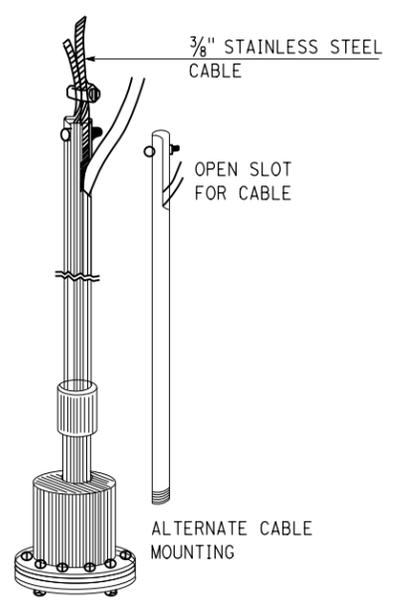
1 UNDERGROUND SEWER PIPE AND FORCE MAIN PIPE
NO SCALE

- NOTES:
1. Manhole frame and cover, 24" dia, match existing grade.
 2. Backfill around manhole must be structure backfill.
 3. Concentric cone section, height as required.
 4. All pipe joints must be sealed watertight with manhole manufacturer's recommendation, or if none, with cement mortar.
 5. Concrete barrel, height as required.
 6. Slope concrete as required to form flow line.
 7. Precast concrete base with cast in pipe sections or couplings. Flow line elevations to match plan elevations and slope.
 8. Coat all interior concrete surfaces of manhole with bituminous coating.
 9. For manholes more than 5' in depth provide polypropylene safety steps.

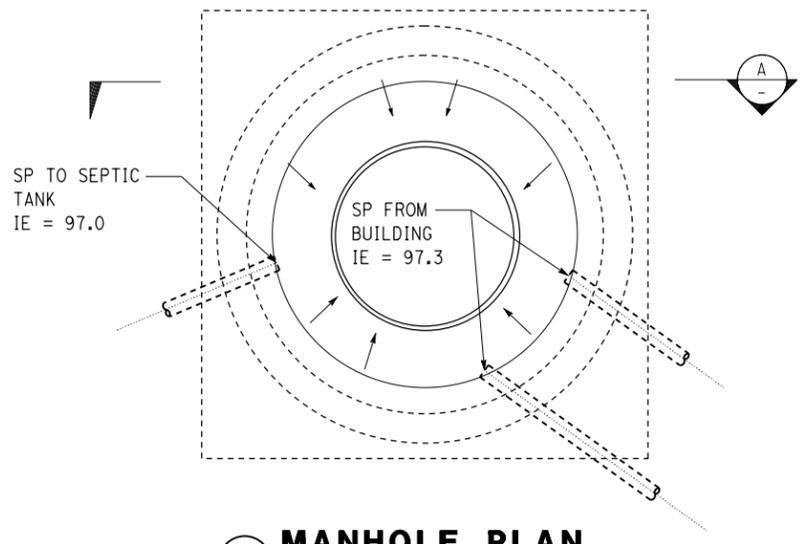
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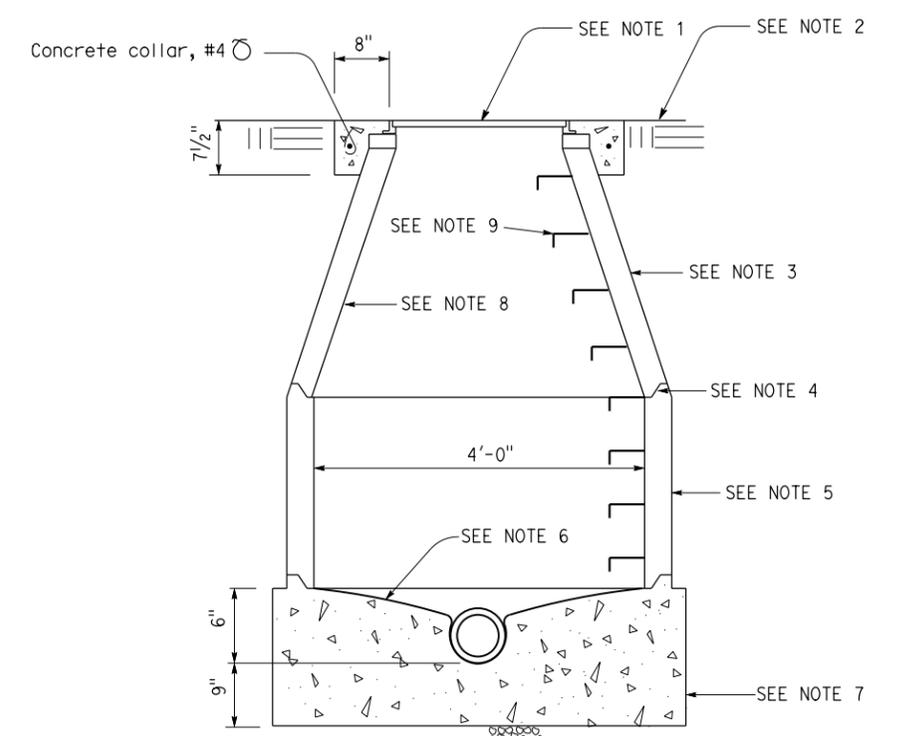
2 SLUDGE TRANSDUCER
NO SCALE



3 LEVEL TRANSDUCER
NO SCALE



4 MANHOLE PLAN
NO SCALE



A ELEVATION
NO SCALE

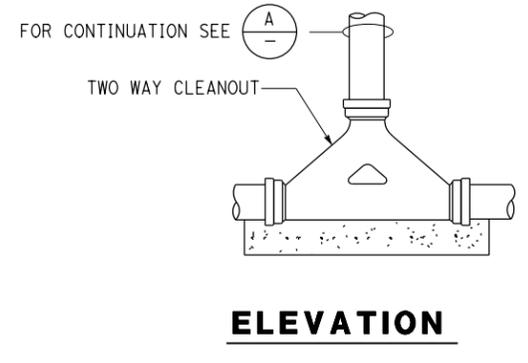
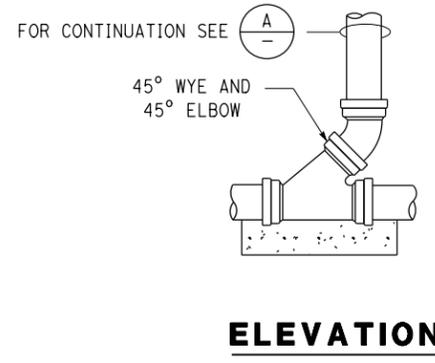
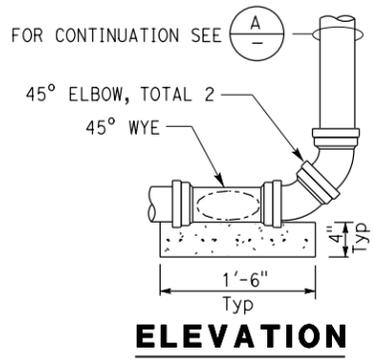
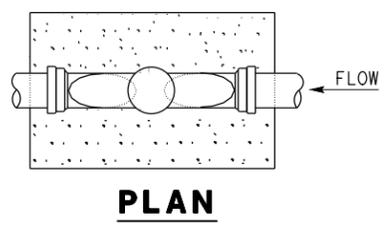
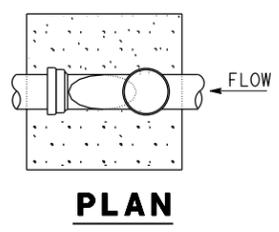
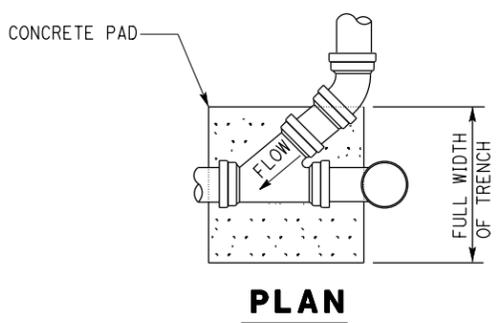
DESIGN BY Amar Baidwan CHECKED Jerry Marcotte	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No. 56R0005	WILEY'S WELL SAFETY ROADSIDE REST AREA DETAILS-2	SHEET
DETAILS BY Amar Baidwan CHECKED Jerry Marcotte			POST MILE R135.10		SS-6
QUANTITIES BY Amar Baidwan CHECKED Jerry Marcotte			UNIT: 3616 CONTRACT No.: 0L5901 PROJECT NUMBER & PHASE: 08000004211		

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS: 0 1 2 3
 TAEWW Imperial - CCSC Rev. 02/13
 D:\Dist-08\Wiley's Wells SEWER 2014\Wiley's well BORDER 11-03-14\ss 6.dwg

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R135.10	16	33

Jerome R. Marcotte 6-19-2014
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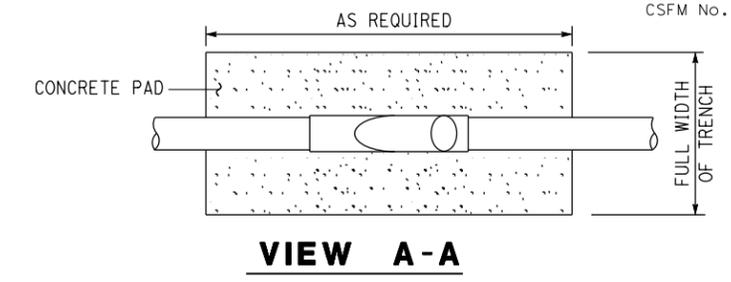
REGISTERED PROFESSIONAL ENGINEER
 JEROME R. MARCOTTE
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 Exp. 06/30/16
 CIVIL
 STATE OF CALIFORNIA



CLEANOUT (AT BEND)

CLEANOUT (STANDARD)

TWO-WAY CLEANOUT



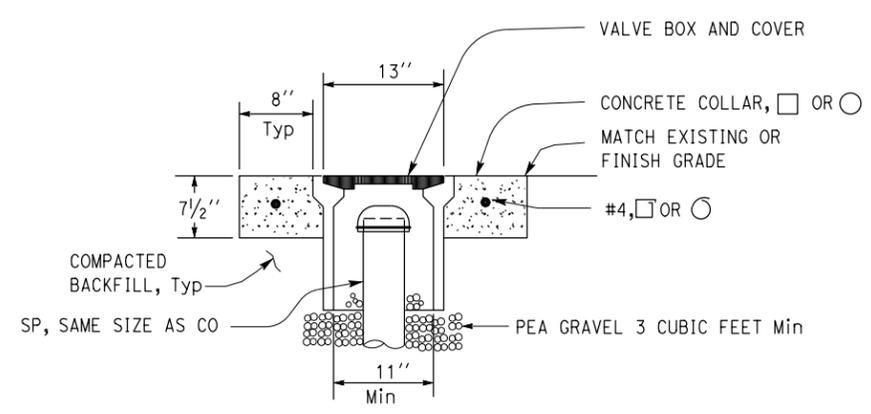
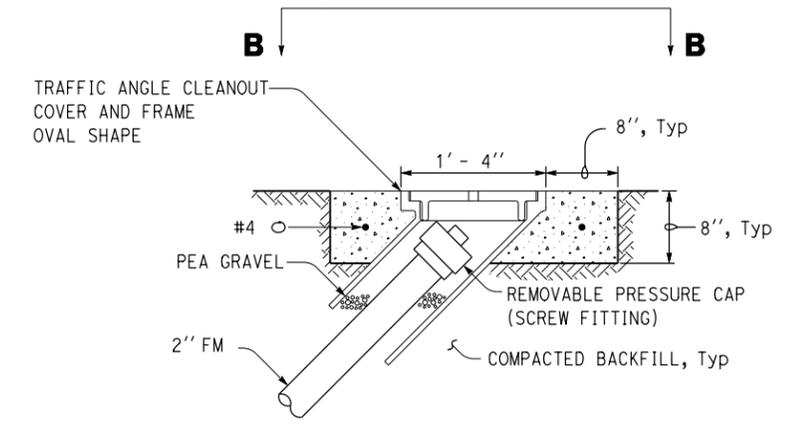
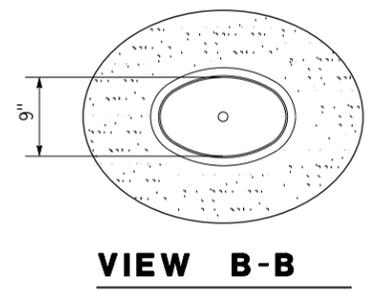
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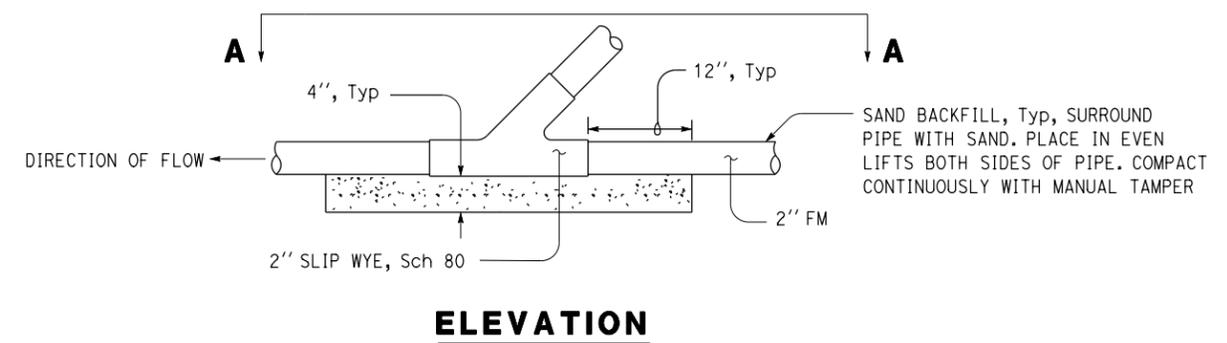
Reviewed by: FRANCIS SOLICH
 Approval date: 6-01-2014
 CSFM No. 01-33-11-0036

NOTE
 CONCRETE PAD SHOWN TYPICAL FOR ALL CLEANOUTS.

1 CLEANOUT TO GRADE - GRAVITY
 NO SCALE



A COTG ACCESS BOX
 NO SCALE



2 FORCE MAIN CLEANOUT
 NO SCALE

DESIGN BY Amar Baidwan CHECKED Jerry Marcotte	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE No. 56R0005	WILEY'S WELL SAFETY ROADSIDE REST AREA DETAILS-3	SHEET OF
DETAILS BY Amar Baidwan CHECKED Jerry Marcotte		ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	POST MILE R135.10		SHEET OF SS-7
QUANTITIES BY Amar Baidwan CHECKED Jerry Marcotte		UNIT: 3616 CONTRACT No.: 0L5901 PROJECT NUMBER & PHASE: 0800004211	DISREGARD PRINTS BEARING EARLIER REVISION DATES		

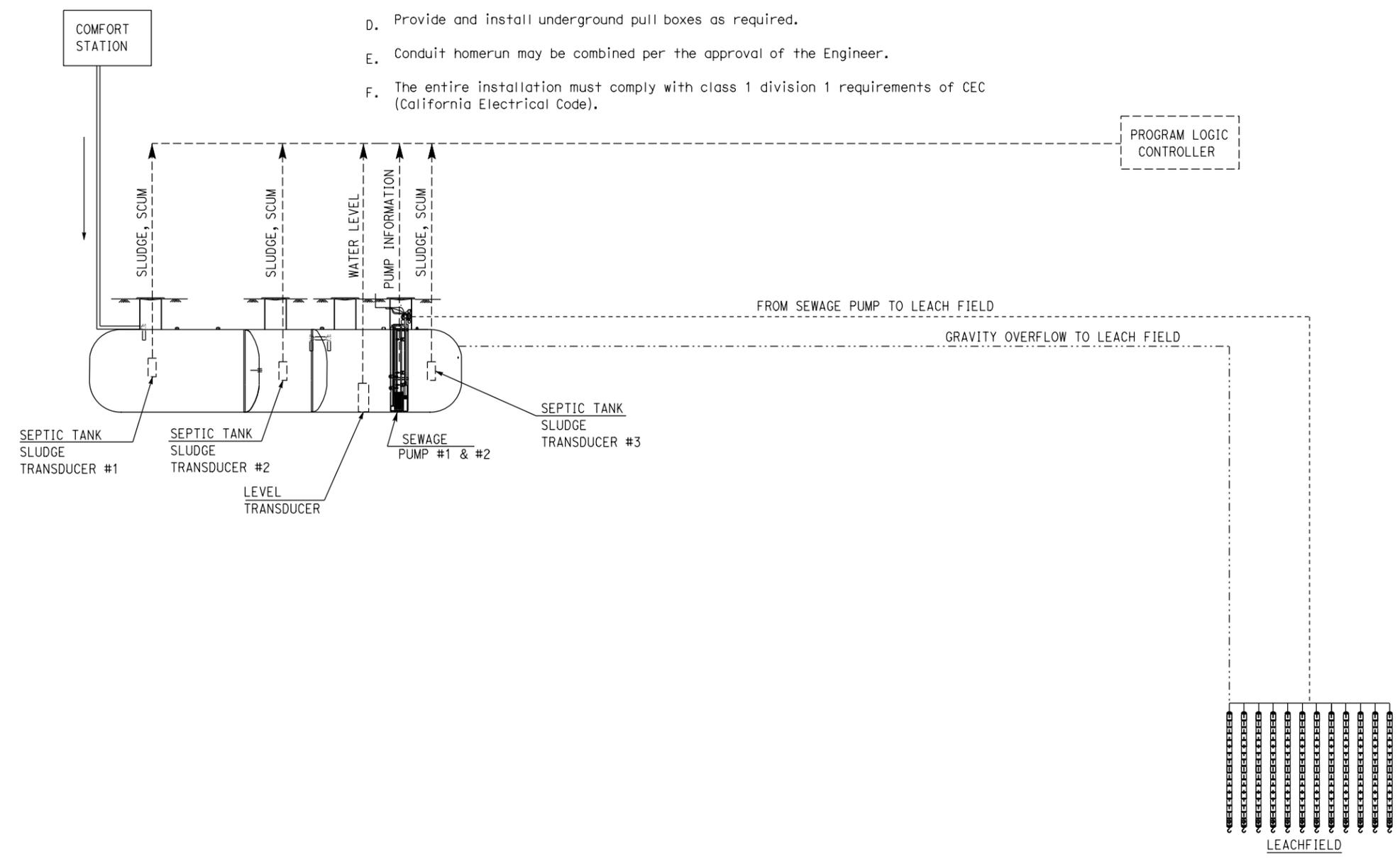
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS: 0 1 2 3
 TAEWW Imperial - CCSC Rev. 02/13
 D:\Dist-08\Wiley's Wells SEWER 2014\Wiley's well BORDER 11-03-14\ss 7.dwg

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
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REGISTERED PROFESSIONAL ENGINEER
 JEROME R. MARCOTTE
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- GENERAL NOTES:
- A. Each dash line indicates low voltage overhead or underground conduit and conductors system.
 - B. All conduits and conductors must be provided and installed per section 99-16050 "Basic Materials and Methods" of the special provisions.
 - C. All underground conduits in direct contact with soil must be PVC conduit except as follows: all conduits to and from sanitary access openings must be PVC coated galvanized rigid steel conduit. All conduits must be protected in a fashion as recommended by the PVC coated conduit manufacturer.
 - D. Provide and install underground pull boxes as required.
 - E. Conduit homerun may be combined per the approval of the Engineer.
 - F. The entire installation must comply with class 1 division 1 requirements of CEC (California Electrical Code).



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Reviewed by: *Francis Solich*
 FRANCIS SOLICH
 Approval date: 6-01-2014
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WILEY'S WELL SEPTIC SYSTEM FLOW SCHEMATIC
 NO SCALE

<i>Catalino A. Enriquez</i> REVIEWED BY ELECTRICAL ENGINEER	DESIGN	BY Amar Baidwan	CHECKED Jerry Marcotte	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No.	WILEY'S WELL SAFETY ROADSIDE REST AREA WASTEWATER LOW VOLTAGE ELECTRICAL LAYOUT	SHEET
	DETAILS	BY Amar Baidwan	CHECKED Jerry Marcotte			56R0005		SS-9
QUANTITIES	BY Amar Baidwan	CHECKED Jerry Marcotte	POST MILE R135.10			OF		
TAEMWW Imperial - CCSC Rev. 02/13	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	UNIT: 3616 CONTRACT No.: 0L5901 PROJECT NUMBER & PHASE: 0800004211	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	12-04-13 10-14-13 06-14-14 06-19-14	SHEET OF	

GRAPHIC SYMBOLS FOR ELECTRICAL WIRING AND LAYOUT DIAGRAMS

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	POLE-TOP ELECTROLIER	S	SINGLE-POLE SWITCH
	POLE-ARM ELECTROLIER	S2	DOUBLE-POLE SWITCH
		S3	THREE-WAY SWITCH
	SURFACE FLUORESCENT, METAL HALIDE, LED, OR SODIUM VAPOR FIXTURE	S4	FOUR-WAY SWITCH
	RECESSED FLUORESCENT, METAL HALIDE, LED, OR SODIUM VAPOR FIXTURE	SCHLF	TWO TIMER SWITCHES, ONE SWITCH FOR LIGHT AND FAN AND ONE SWITCH FOR HEAT LAMP
	EXIT LIGHT	SD	AUTOMATIC DOOR
	SURFACE OR PENDANT INDIVIDUAL FLUORESCENT OR LED FIXTURE	SDTS	DIGITAL TIMER SWITCH
	RECESSED INDIVIDUAL FLUORESCENT OR LED FIXTURE	SF	FAN SWITCH
	SURFACE OR PENDANT CONTINUOUS ROW FLUORESCENT OR LED FIXTURES	SH	HEATER SWITCH
NOTE:	A LOWER CASE LETTER NEAR GRAPHIC LIGHTING FIXTURE SYMBOL DENOTES THAT FIXTURE IS CONTROLLED BY A SIMILARLY MARKED SWITCH, AN ALPHA-NUMERIC SYMBOL NEAR GRAPHIC LIGHTING FIXTURE SYMBOL DENOTES FIXTURE TYPE, (I=INCANDESCENT, F=FLUORESCENT, MH=METAL HALIDE, H=HIGH PRESSURE SODIUM VAPOR, L=LED), DESIGN TYPE, NUMBER OF LAMPS AND WATTAGE.	SHP	MANUAL MOTOR STARTING SWITCH, WITHOUT OVERLOAD ELEMENT
	EXAMPLE : (4) F2-2x32 	SK	KEY OPERATED SWITCH
	BLANK OUTLET	SL	LIGHT SWITCH
	JUNCTION BOX	SM	MOTION SENSOR SWITCH
	DROP CORD	SMC	MOMENTARY CONTACT SWITCH
	SINGLE RECEPTACLE OUTLET	S1	OCCUPANCY SENSOR WALL SWITCH, SINGLE LEVEL
	DUPLEX RECEPTACLE OUTLET	S2	OCCUPANCY SENSOR WALL SWITCH, BILEVEL
	DUPLEX RECEPTACLE OUTLET (WITH GFCI)	SRC	REMOTE CONTROL SWITCH
	DUPLEX RECEPTACLE OUTLET, WEATHERPROOF (WITH GFCI)	ST	MANUAL MOTOR STARTING SWITCH, THERMAL OVERLOAD TYPE
	SINGLE, SPECIAL PURPOSE RECEPTACLE OUTLET	SVS	VARIABLE SPEED MOTOR CONTROL SWITCH
	DUPLEX, SPECIAL PURPOSE RECEPTACLE OUTLET	SWP	WEATHERPROOF SWITCH
	RANGE OUTLET	TS	TIMER SWITCH
	CLOCK HANGER RECEPTACLE		PUSHBUTTON
	FAN HANGER RECEPTACLE		PUSHBUTTON STATION, NC, WITH LOCKING DEVICE FOR OPEN
	FLOOR SINGLE RECEPTACLE OUTLET		PUSHBUTTON STATION MOTOR CONTROL
	FLOOR DUPLEX RECEPTACLE OUTLET		BUZZER
	FLOOR SPECIAL PURPOSE OUTLET		BELL
	FLOOR RADIO OUTLET		COMBINATION BELL-BUZZER
	FLOOR TELEPHONE OUTLET		PRESSURE SWITCH
	MULTI-FLOOR OUTLET, 2 OR MORE GANG		CONTROL RELAY
	MULTI-OUTLET ASSEMBLY		FLOW SWITCH
	SWITCH AND SINGLE RECEPTACLE		PHOTOELECTRIC UNIT
	SWITCH AND DUPLEX RECEPTACLE		HAND DRYER NOZZLE
	RADIO OUTLET		HAND DRYER
	COMMUNICATION OUTLET		FLUSH-MOUNTED PANELBOARD AND CABINET
	SOUND SYSTEM LOUD SPEAKER OUTLET		SURFACE-MOUNTED PANELBOARD AND CABINET
	RADIO OUTLET		LIGHTING PANEL
	TELEVISION OUTLET		POWER PANEL
	MICROPHONE OUTLET		COMBINATION LIGHTING AND POWER
	THERMOSTAT		MOTOR CONTROLLER
			DISCONNECT SWITCH
			CONDUIT CONCEALED IN CEILING OR WALL
			CONDUIT CONCEALED IN FLOOR
			CONDUIT EXPOSED
			CROSS-LINES INDICATE NUMBER OF #12 AWG CONDUCTORS. LONGER CROSS-LINE INDICATES 1#12 AWG (G) FOR EQUIPMENT GROUNDING CONDUCTOR. NO CROSS-LINE INDICATES 2#12 WITH 1#12 (G) UNLESS OTHERWISE NOTED. ALL CONDUIT 1/2" UNLESS OTHERWISE NOTED.
			HOMERUN TO PANELBOARD, ARROWS INDICATE NUMBER OF CIRCUITS, LETTER DENOTES PANELBOARD, NUMERAL DENOTES CIRCUIT

SYMBOL	DESCRIPTION
	SURFACE METAL RACEWAY
	CONDUCTOR INFO (PER CONDUIT) CONDUIT TYPE CONDUIT SIZE NUMBER OF CONDUITS (NO NUMBER INDICATES ONE CONDUIT)
	CONDUIT, RIGID STEEL, UNDERGROUND
	CONDUIT, POLYVINYL CHLORIDE, UNDERGROUND
	CONDUIT, FLEXIBLE
	CONDUIT, TURN UP
	CONDUIT, TURN DOWN
	CONDUIT SEAL, EXPLOSION-PROOF
	CONDUIT, EXPANSION JOINT
	ADAPTER, ONE TYPE CONDUIT TO ANOTHER
	POLE
	OCCUPANCY SENSOR
	OCCUPANCY SENSOR POWER PACK
	MANUAL PULL STATION
	AUDIO/VISUAL ALARM DEVICE
	HEAT DETECTOR
	SMOKE DETECTOR
	GLASS BREAK DISCRIMINATOR
	MAGNETIC CONTACT SWITCH-PEDESTRIAN DOOR
	MAGNETIC CONTACT SWITCH-VEHICLE DOOR
	KEYPAD FOR ALARM SYSTEM
	COMBINATION DETECTOR (MICROWAVE/PASSIVE INFRARED)
	PULL BOX-LETTER INDICATES TYPE OF PULL BOX (E-ELECTRICAL, T-TELEPHONE, R-RADIO)
	PULL BOX (TRAFFIC-RATED)-LETTER INDICATES TYPE OF PULL BOX (E-ELECTRICAL, T-TELEPHONE, R-RADIO)
	COMBINATION HEAT, LIGHT, AND FAN UNIT
	SECTION/ELEVATION LETTER
	SHEET NUMBER
	DETAIL NUMBER
	SHEET NUMBER

REMODEL WORK

SYMBOL	DESCRIPTION
	EXISTING FLUORESCENT FIXTURE-TO REMAIN
	EXISTING FLUORESCENT FIXTURE-REMOVE
	EXISTING INCANDESCENT FIXTURE-TO REMAIN
	EXISTING INCANDESCENT FIXTURE-REMOVE
	EXISTING OUTLET-TO REMAIN
	EXISTING RECEPTACLE OUTLET-TO REMAIN
	EXISTING RECEPTACLE OUTLET-REMOVE
	EXISTING CONDUIT AND CONDUCTORS-TO REMAIN UNLESS OTHERWISE NOTED
	EXISTING CONDUIT AND CONDUCTORS-REMOVE
	EXISTING SWITCH-TO REMAIN
	EXISTING SWITCH-REMOVE
	EXISTING JUNCTION BOX-TO REMAIN
	EXISTING JUNCTION BOX-REMOVE

GRAPHIC SYMBOLS FOR ELECTRICAL DIAGRAMS

SYMBOL	DESCRIPTION
	CIRCUIT BREAKER, SINGLE-POLE
	CIRCUIT BREAKER, DOUBLE-POLE
	CIRCUIT BREAKER, THREE-POLE
	CIRCUIT BREAKER, WITH GROUND FAULT CIRCUIT INTERRUPTER
	CIRCUIT BREAKER, SINGLE-POLE, SWITCHED NEUTRAL
	CONTACT, NORMALLY OPEN
	CONTACT, NORMALLY CLOSED
	CONTACT, NORMALLY CLOSED, TIME DELAY CLOSING ON DE-ENERGIZING
	CONTACT, NORMALLY OPEN, TIME DELAY OPENING ON DE-ENERGIZING
	CONTACT, NORMALLY OPEN, TIME DELAY CLOSING ON ENERGIZING
	CONTACT, NORMALLY CLOSED, TIME DELAY OPENING ON ENERGIZING
	CONTACT, SINGLE-POLE, DOUBLE-THROW
	OPERATING COIL
	LIQUID LEVEL ACTUATED SWITCH, NORMALLY CLOSED
	LIQUID LEVEL ACTUATED SWITCH, NORMALLY OPEN
	PRESSURE ACTUATED SWITCH, NORMALLY CLOSED
	PRESSURE ACTUATED SWITCH, NORMALLY OPEN
	FLOW ACTUATED SWITCH, NORMALLY CLOSED
	FLOW ACTUATED SWITCH, NORMALLY OPEN
	TEMPERATURE ACTUATED SWITCH, NORMALLY CLOSED
	TEMPERATURE ACTUATED SWITCH, NORMALLY OPEN
	LIMIT SWITCH, NORMALLY CLOSED
	LIMIT SWITCH, NORMALLY OPEN
	PUSHBUTTON SWITCH, NORMALLY CLOSED
	PUSHBUTTON SWITCH, NORMALLY OPEN
	SWITCH, SINGLE-POLE
	SWITCH, SINGLE-POLE, DOUBLE-THROW
	SWITCH, DOUBLE-POLE
	SWITCH, DOUBLE-POLE, DOUBLE-THROW
	SWITCH, SINGLE-POLE, 3-POSITION
	TIMER SWITCH
	THERMAL OVERLOAD
	FUSE
	RESISTOR
	VARIABLE RESISTOR
	TRANSFORMER WINDING
	GROUNDING ELECTRODE
	ENCLOSURE BOND
	PILOT LIGHT (A=AMBER, G=GREEN, R=RED)
	INDICATING LIGHT (A=AMBER, G=GREEN, R=RED)
	GENERATOR
	MOTOR
	FAN MOTOR

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
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Catalino A. Enriquez 6-19-2014
 REGISTERED ELECTRICAL ENGINEER DATE
 10-06-2014
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 C.A. ENRIQUEZ
 No. 16944
 Exp. 6-30-15
 ELEC
 STATE OF CALIFORNIA

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Reviewed by: FRANCIS SOLICH
 Approval date: 6-01-2014
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DESIGN BY C. A. Enriquez	CHECKED Tommy Lee	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No. 56R0005	WILEY'S WELL SAFETY ROADSIDE REST AREA	SHEET EEO-0
DETAILS BY Dali Zhou	CHECKED C. A. Enriquez			POST MILE R135.10		LEGEND
QUANTITIES BY C. A. Enriquez	CHECKED Tommy Lee					

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3597 CONTRACT No.: 0L5904 PROJECT NUMBER & PHASE: 08000004211

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY)

10-13-14 6-19-14

FA 015901

PrDist 08\08000004211 wileys wells srra\expdite\QA Reviewed\ee0 00.dan

ABBREVIATIONS

A
A/C AIR CONDITIONING UNIT
ACS AIR COMPRESSOR STARTER
AFCI ARC FAULT CIRCUIT INTERRUPTER
AI ANALOG INPUT
AL ALARM LIGHT
AO ANALOG OUTPUT
AR ALARM RESET
AT ALARM TEST
AUTO AUTOMATIC
AVC AIR VOLUME CONTROLLER

F
F FUSE
FA AC FUSE
FD DC FUSE
FL FAILURE LIGHT
FLA FLASHER
Flex FLEXIBLE CONDUIT
FLS FLOW SWITCH
FR FAILURE RESET or FLAME RESISTANT
FS FLOAT SWITCH

M
MB MAIN BREAKER
MC METALLIC CONDUIT
MCP MOTOR CIRCUIT PROTECTOR
MCC MOTOR CONTROL CENTER
MD MOTOR DISCONNECT
MH MOUNTING HEIGHT
MP MOTOR PROTECTOR
MPD MOTOR PROTECTOR DISCONNECT
MSB MAIN SWITCHBOARD
MT EMPTY CONDUIT
MTS MANUAL TRANSFER SWITCH

S
S STARTER COIL
SCCR SHORT CIRCUIT CURRENT RATING
SD SERVICE DISCONNECT
SFR SEAL FAILURE RELAY
SL SUMP LIGHT
SPR STANDBY POWER RECEPTACLE
Sq SQUARE
SS SELECTOR SWITCH
ST STARTER
SST STAINLESS STEEL
SV SOLENOID VALVE
SWIM SLOW WEIGH-IN-MOTION

B
BC BARE COPPER
BD BUILDING DISCONNECT
BP BOOSTER PUMP
Brk BREAKER

G
GRS GALVANIZED RIGID STEEL

N
(N) NEW
Nav NAVIGATIONAL LIGHTS

T
TB TERMINAL BLOCK
TBD TO BE DETERMINED
TC TELEPHONE CABLE
TDR TIME DELAY RELAY
TGLS TOGGLE SWITCH
TM TIME METER
TS TIMER SWITCH or TEMPERATURE SWITCH
TSW TEST SWITCH
TTB TELEPHONE TERMINAL BOARD

C
Cat CATEGORY
CC CENTER CHANNEL LIGHT
CD CONTROL DISCONNECT
CEC CALIFORNIA ELECTRICAL CODE
Ckt CIRCUIT
CPU CENTRAL PROCESSING UNIT
CR CONTROL RELAY
CS CURRENT SENSOR
CT CURRENT TRANSFORMER

I
IC IRRIGATION CONTROLLER
ICC IRRIGATION CONTROLLER CABINET
IL INDICATING LIGHT
ISB INTRINSICALLY SAFE BARRIER
ISR INTRINSICALLY SAFE RELAY

O
O/C ON CENTER
OH OVERHEIGHT or OVERHEAD
OIT OPERATOR INTERFACE TERMINAL
OL OVERLOAD

U
UPS UNINTERRUPTIBLE POWER SUPPLY

D
DI DIGITAL INPUT
DO DIGITAL OUTPUT
DP DUPLEX PLUG RECEPTACLE
DS DOOR SWITCH

J
JB JUNCTION BOX

P
PCP PUMP CONTROL PANEL
PD PUMP DISCONNECT

V
VFD VARIABLE FREQUENCY DRIVE

E
(E) EXISTING
EF EXHAUST FAN
ENET ETHERNET NETWORK

L
LC LIGHTING CONTACTOR
LCD LIQUID CRYSTAL DISPLAY
LCP LIGHTING CONTROL PANEL
LD LIGHT DISCONNECT
LDCI LEAK DETECTOR CIRCUIT INTERRUPTER
LED LIGHT EMITTING DIODE
LL LIQUID LEVEL RELAY
LLC LIQUID LEVEL CONTROLLER
LP LIGHT PANEL
LS LIGHT SWITCH
LT LIGHT TRANSFORMER
LTO LIGHT TRANSFORMER OVERLOAD
LTPD LIGHT TRANSFORMER PRIMARY DISCONNECT
LTSD LIGHT TRANSFORMER SECONDARY DISCONNECT

PFR PHASE FAILURE RELAY
PFRD PHASE FAILURE RELAY DISCONNECT
PL PILOT LIGHT
PLC PROGRAMMABLE LOGIC CONTROLLER
PS POWER SUPPLY or PRESSURE SWITCH
PTS POWER TRANSFER SWITCH
PV PHOTOVOLTAIC

W
WLS WATER LEVEL SWITCH
WP WEATHERPROOF
WSMS WEIGH STATION MESSAGE SIGN

R
RD RECEPTACLE DISCONNECT
RECEPT RECEPTACLE
Req'd REQUIRED
RES RESISTOR
RIO REMOTE INPUT/OUTPUT
RLM REDUNDANCY LINK MODULE
Rm ROOM
RSC RIGID STEEL CONDUIT
RTB RADIO TERMINAL BOARD

X
XFMR TRANSFORMER

CALIFORNIA STATE FIRE MARSHAL APPROVED
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Reviewed by: *[Signature]*
FRANCIS SOLICH
Approval date: 6-01-2014
CSFM No. 01-33-11-0036

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R135.10	20	33

Catalino A. Enriquez 6-19-2014
REGISTERED ELECTRICAL ENGINEER DATE
10-06-2014
PLANS APPROVAL DATE
No. 16944
Exp. 6-30-15
ELEC
STATE OF CALIFORNIA

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PROJECT NOTES

1. Separate grounded (Neutral) conductor must be used for each 120-volt circuit.
2. Homeruns to Panelboards must be installed as shown on the plans. Homeruns must not be combined.
3. A single insulated equipment grounding conductor, sized as required, must be installed in each conduit run.

STANDARD NOTES

RLD Relocated equipment.

STANDARD PLANS

Dated 2010

- A10A
- RSP A10B
- RSP ES-1A
- RSP ES-8B
- ES-13A

SYMBOLS

- ∠ ANGLE
- ° DEGREES
- Δ DELTA
- ∅ PHASE
- ± PLUS OR MINUS

DESIGN BY C. A. Enriquez	CHECKED Tommy Lee	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No. 56R0005	WILEY'S WELL SAFETY ROADSIDE REST AREA NOTES AND ABBREVIATIONS	SHEET
DETAILS BY Dali Zhou	CHECKED C. A. Enriquez			POST MILE R135.10		E0-1
QUANTITIES BY C. A. Enriquez	CHECKED Tommy Lee					
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3		UNIT: 3597 CONTRACT No.: 0L5904 PROJECT NUMBER & PHASE: 08000004211	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF	

TAEWW Imperial - CCSC Rev. 02/13
FA 015901
P:\dist 08\08000004211\wileys wells srra\expedite\QA_Reviewed\ee0 01.dan

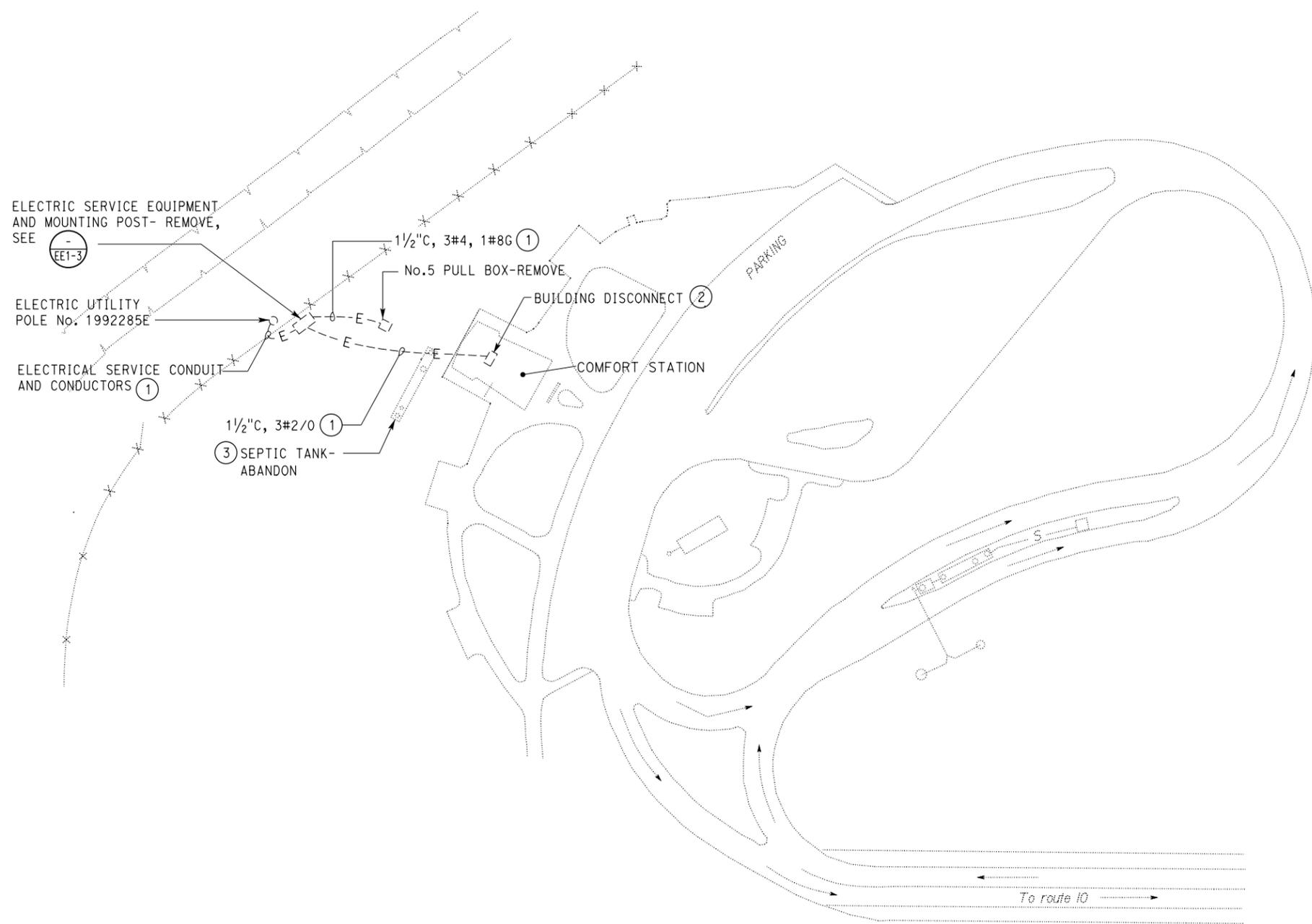
CALIFORNIA STATE FIRE MARSHAL APPROVED
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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R135.10	21	33

Catalino A. Enriquez 6-19-2014
 REGISTERED ELECTRICAL ENGINEER DATE
 10-06-2014
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REGISTERED PROFESSIONAL ENGINEER
 C.A. ENRIQUEZ
 No. 16944
 Exp. 6-30-15
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GENERAL NOTE:
 Underground electrical conduits and other below ground utilities location are not all shown. Before trenching, verify in the field exact locations of all underground utilities within the affected areas. Cost of verification and mapping are all included in building lump sump payment.

- NOTES:**
- ① Remove conductors and abandon conduit. Remove exposed conduit.
 - ② Cut existing feeder conduit stub up 18-inch above floor. Cap conduit.
 - ③ For septic tank works, see Sanitary "SS" sheets.

SITE PLAN
 1" = 40'

APPROVED FOR ELECTRICAL WORK ONLY

DESIGN SUPERVISOR <i>[Signature]</i> DESIGN ENGINEER <i>[Signature]</i>	DESIGN BY C. A. Enriquez	CHECKED Tommy Lee	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No. 56R0005	WILEY'S WELL SAFETY ROADSIDE REST AREA EXISTING SITE PLAN	SHEET OF EE1-1
	DETAILS BY Dali Zhou	CHECKED C. A. Enriquez			POST MILE R135.10		
	QUANTITIES BY C. A. Enriquez	CHECKED Tommy Lee					
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3			UNIT: 3597 CONTRACT No.: 0L5904 PROJECT NUMBER & PHASE: 0800004211		DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY) 1-9-11 4-28-11 6-30-11 10-11-11 10-24-11 11-14-11 6-19-14

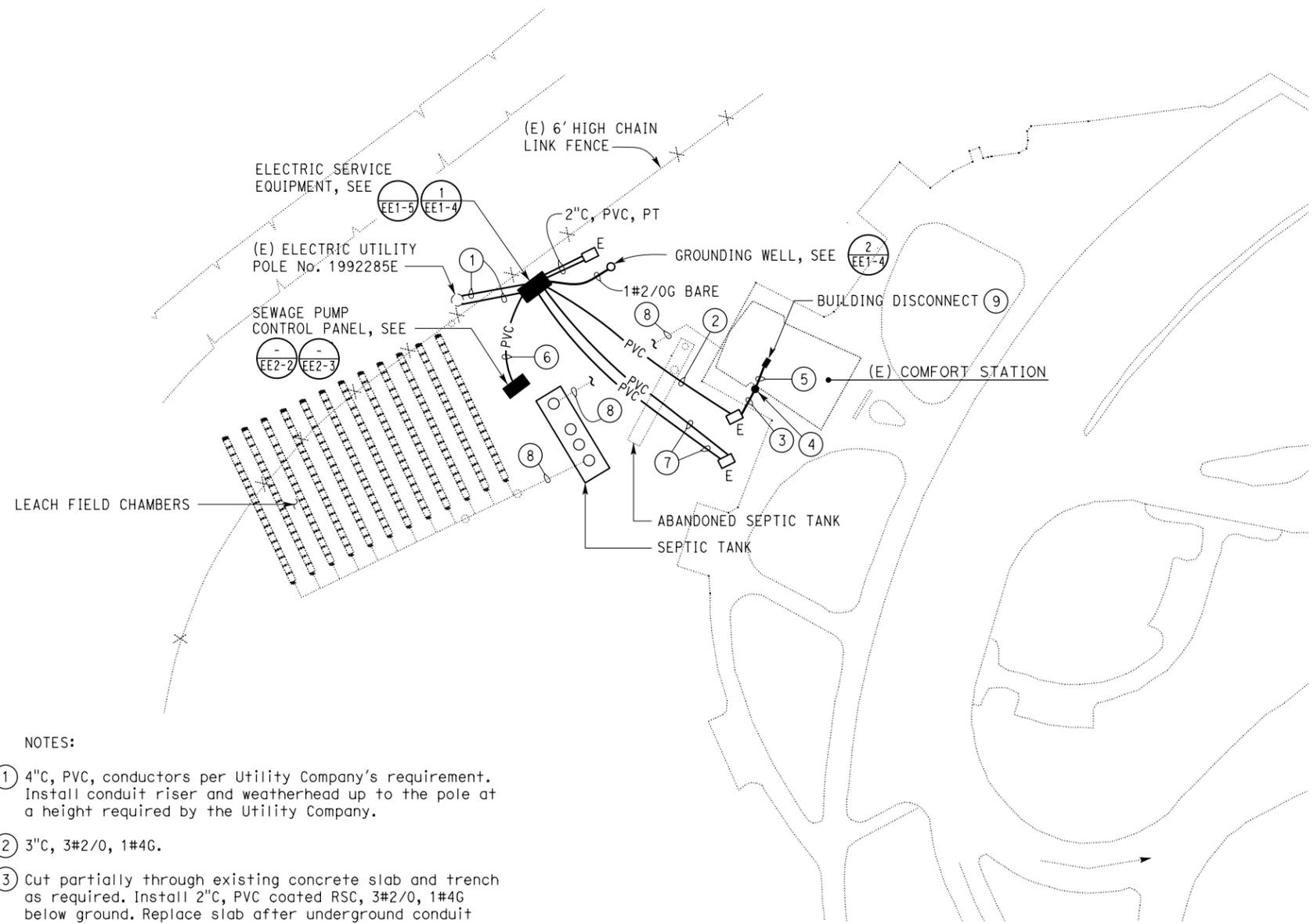
FA 015901
 PrjDist 08\080000421 wileys wells srra\expdite\QA Reviewed\ee1 01.dan

CALIFORNIA STATE FIRE MARSHAL APPROVED
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Catalino A. Enriquez 6-19-2014
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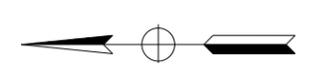


NOTES:

- ① 4\"C, PVC, conductors per Utility Company's requirement. Install conduit riser and weatherhead up to the pole at a height required by the Utility Company.
- ② 3\"C, 3#2/0, 1#4G.
- ③ Cut partially through existing concrete slab and trench as required. Install 2\"C, PVC coated RSC, 3#2/0, 1#4G below ground. Replace slab after underground conduit installation.
- ④ Stub up conduit on the exterior side of the wall. Install conduit body. Core drill through existing wall for conduit penetration to interior. Seal around conduit. Paint conduit to match wall color.
- ⑤ Route 2\"C, 3#2/0, 1#4G to ceiling exposed. Install conduit support.
- ⑥ 1/2\"C, 3#6, 1#6G.
- ⑦ 3\"C, PT
- ⑧ Sewer pipe. See Sanitary "SS" plan sheets for exact location.
- ⑨ On the same wall, relocate building disconnect as required for easy access. Clearance around equipment must be per CEC.

GENERAL NOTES:

- A. Complete low voltage control conduits and conductors are not shown on this plan sheet. For location of all low voltage devices/transducers, see Sanitary "SS" plan sheets.
- B. Provide and install low voltage conduits and conductors/cable between devices/transducers. Low voltage conduit routes shown are approximate only. Submit low voltage conduits/conductors/cables system layout for approval prior to installation of the system.
- C. All pull box installation shall conform to the Electrical Systems Pull Box Details (sheet RSP ES-8B) of the Standard Plans.
- D. All conductor splicing that requires waterproofing shall conform to Electrical Systems Splicing Details (Sheet ES-13A) of the Standard Plans.
- E. All cables shall be per PLC manufacturer requirements.
- F. All conductors/cables between low voltage devices and control panel shall be unspliced unless otherwise noted.
- G. All installations shall comply with Class 1, Division 1 requirements of the CEC.
- H. All pull boxes shown are No. 6 pull box traffic rated unless otherwise noted.
- I. All equipment locations shown are approximately only.
- J. Underground electrical conduits and other below ground utilities location are not all shown. Before trenching, verify in the field exact locations of all underground utilities within the affected areas. Cost of verification and mapping are all included in building lump sum payment.



SITE PLAN
 1" = 30'-0"

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DESIGN	BY C. A. Enriquez	CHECKED Tommy Lee
DETAILS	BY Dali Zhou	CHECKED C. A. Enriquez
QUANTITIES	BY C. A. Enriquez	CHECKED Tommy Lee

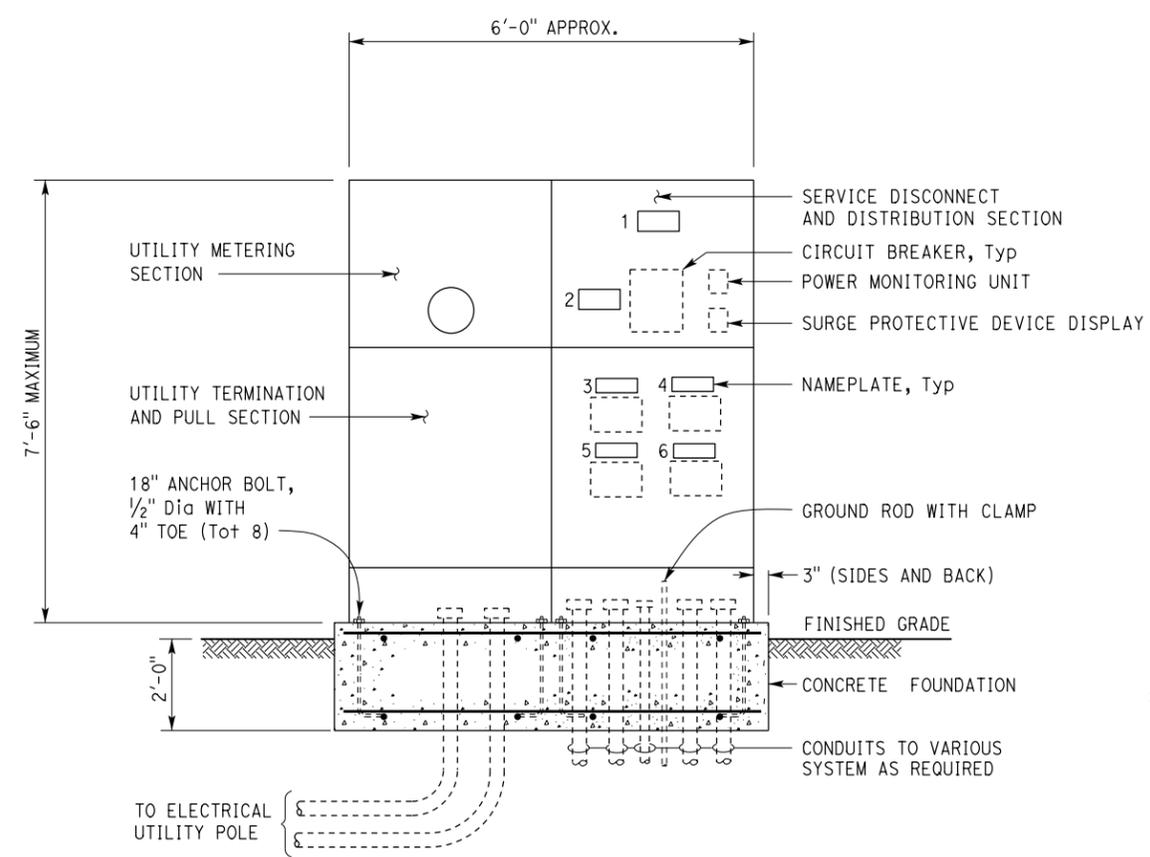
STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF ENGINEERING SERVICES
 ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN

BRIDGE No. 56R0005
 POST MILE R135.10
WILEY'S WELL SAFETY ROADSIDE REST AREA
 MODIFIED SITE PLAN

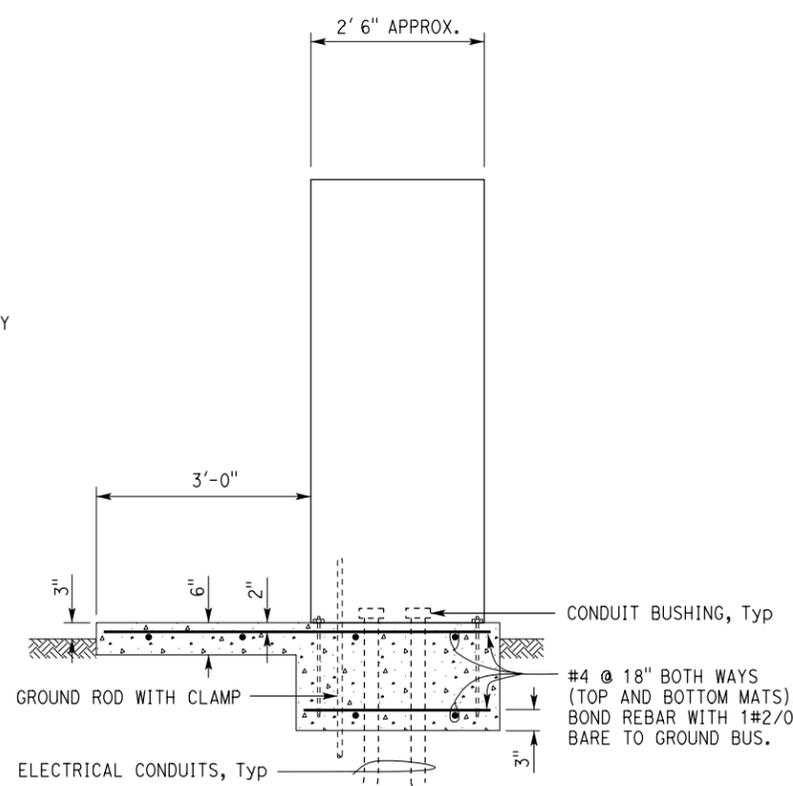
SHEET **EE1-2** OF

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FRANCIS SOLICH
Approval date: 6-01-2014
CSFM No. 01-33-11-0036



FRONT VIEW

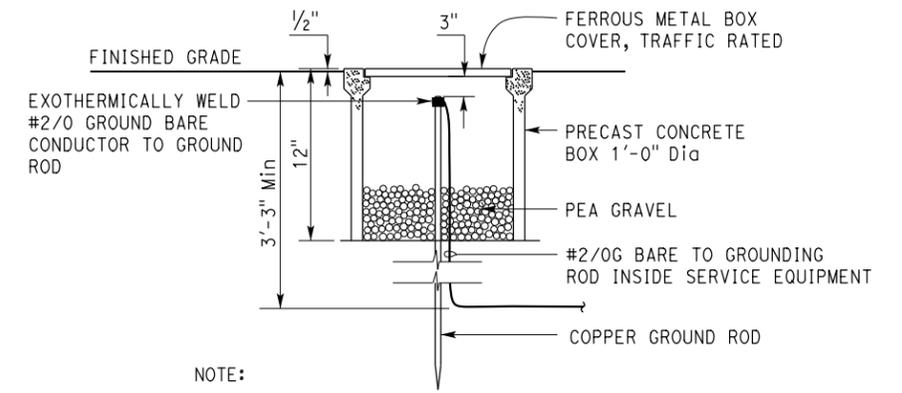


SIDE VIEW

NAMEPLATE SCHEDULE		
ITEM No.	INSCRIPTION	LETTER HEIGHT
1	120/240-VOLT, 1-PHASE, 3-WIRE, 400 A-BUS	1/4"
2	SERVICE DISCONNECT	1/4"
3	COMFORT STATION BUILDING	1/4"
4	SPARE	1/4"
5	SEWAGE PUMP CONTROL PANEL	1/4"
6	SPARE	1/4"

- GENERAL NOTES:
- A. Seismic bracing for the Service Equipment shall be installed per the Manufacturer's recommendations to meet or exceed Seismic Zone 4 requirements.
 - B. Install arc flash warning label type 2 on the outside face of the interior door. For arc flash warning label type 2 details, see plan sheet EE1-5.

1 ELECTRICAL SERVICE EQUIPMENT
NO SCALE
(EXTERIOR WEATHERPROOF DOOR NOT SHOWN FOR CLARITY)



NOTE:
Install grounding well 7 feet minimum, away from Service Equipment, fence and Comfort Station building.

2 GROUND WELL DETAIL
NO SCALE

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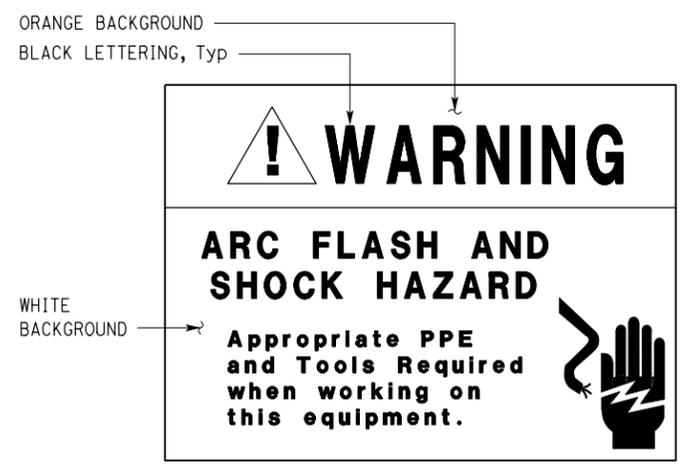
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DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R135.10	25	33

Catalino A. Enriquez 6-19-2014
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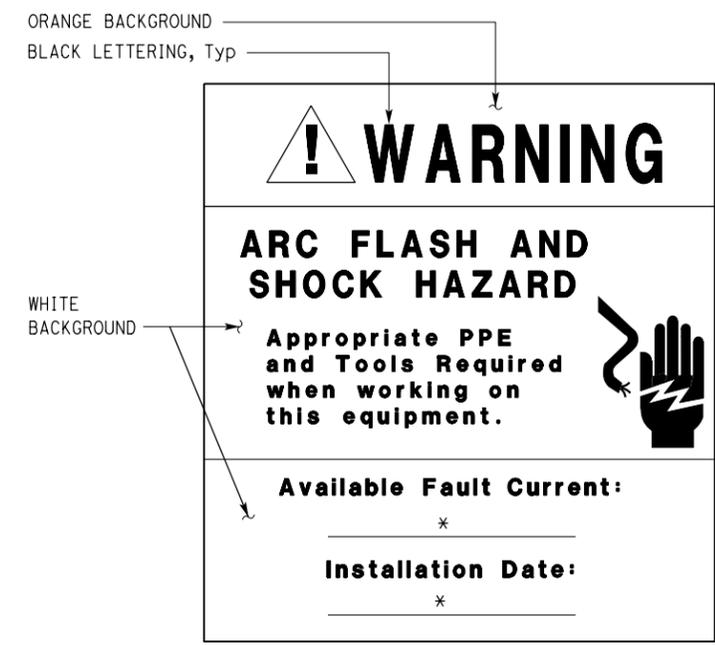
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 C.A. ENRIQUEZ
 No. 16944
 Exp. 6-30-15
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1 WARNING LABEL TYPE 1
 NO SCALE

Warning label must be constructed with high degree of chemical abrasion, heat resistance and UL recognized material.



2 WARNING LABEL TYPE 2
 NO SCALE

- NOTES:
- Legibly marked label with the available fault current to comply with CEC 110.24 (A)
 - Warning label must be constructed with high degree of chemical abrasion, heat resistance and UL recognized material
 - * The Engineer will provide this data to the Contractor after Utility Service related work is done by the local Electric Utility Company.

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DESIGN	BY	C. A. Enriquez	CHECKED	Tommy Lee	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No.	56R0005	WILEY'S WELL SAFETY ROADSIDE REST AREA ARC FLASH WARNING LABELS	SHEET EE1-5 OF	
	DETAILS	BY	Dati Zhou	CHECKED			C. A. Enriquez	POST MILE			R135.10
	QUANTITIES	BY	C. A. Enriquez	CHECKED			Tommy Lee	REVISION DATES (PRELIMINARY STAGE ONLY)			1-9-11 3-12-14 4-25-14 6-19-14
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS					0 1 2 3	UNIT: 3597 CONTRACT No.: 0L5904 PROJECT NUMBER & PHASE: 08000004211	DISREGARD PRINTS BEARING EARLIER REVISION DATES	SHEET OF			

TAEMWW Imperial - CCSC Rev. 02/13
 FA 015901
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GENERAL NOTES:

- A. All underground metallic conduit (MC) shown on this sheet shall be PVC coated rigid steel type conduit.
- B. Complete low voltage control conduits and conductors are not shown on this plan sheet. For location of all low voltage devices/transducers, see Sanitary Plan sheets.
- C. Provide and install low voltage conduits and conductors/cable between devices/transducers as shown on Sanitary Plans. Submit low voltage conduits/conductors/cables system layout for approval prior to installation of the system.
- D. All cables shall be per PLC manufacturer requirements.
- E. All conductors/cables between low voltage devices and PLC control cabinet shall be unspliced unless otherwise noted.
- F. The entire installation shall comply with Class 1, Division 1 requirements of the California Electrical Code (CEC).
- G. All pull box installation shall conform to Electrical Systems Pull Box Details (sheet ES-8B) of the Standard Plans.
- H. All conductor splicing that requires waterproofing shall conform to Electrical Systems Splicing Details (sheet ES-13A) of the Standard Plans.

NOTES:

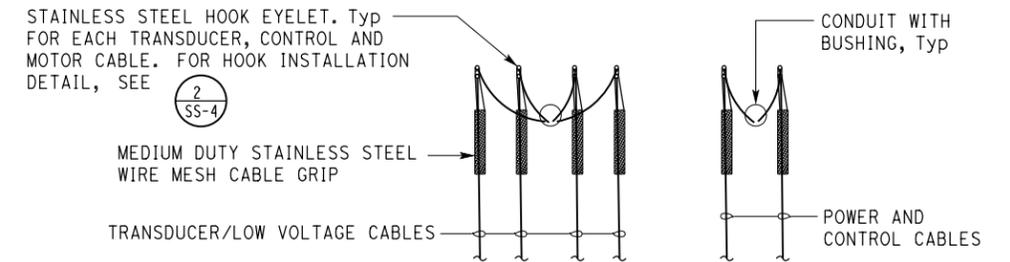
- ① 1" C, low voltage system conductors/cables as required. See General Notes.
- ② Conductors/cables to sludge transducer.
- ③ Cable to water level transducer.
- ④ 1" C, 2 fiber optic float switch cables.
- ⑤ Fiber optic cables to fiber optic float switches.
- ⑥ 1 1/2" C, 2 Motor cables (both power and controls integrated in the same cable).
- ⑦ Cables to motors.
- ⑧ 1 1/2" C, 4#10 (motor power), 4#12 (thermal protection), 4#12 (moisture probe), 2#12 spare, 1#10G. Install conduit seal. Provide 12 inches length of slack on all conductors extending out from control panel.
- ⑨ 1 1/2" C, 2 Fiber optic float switch cables. Install conduit seal.
- ⑩ 1 1/2" C, Low voltage system conductors/cables as required. See General Notes.
- ⑪ 1 1/2" C, 1 Level transducer and 3 sludge sensor cables. Install conduit seal.

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R135.10	26	33

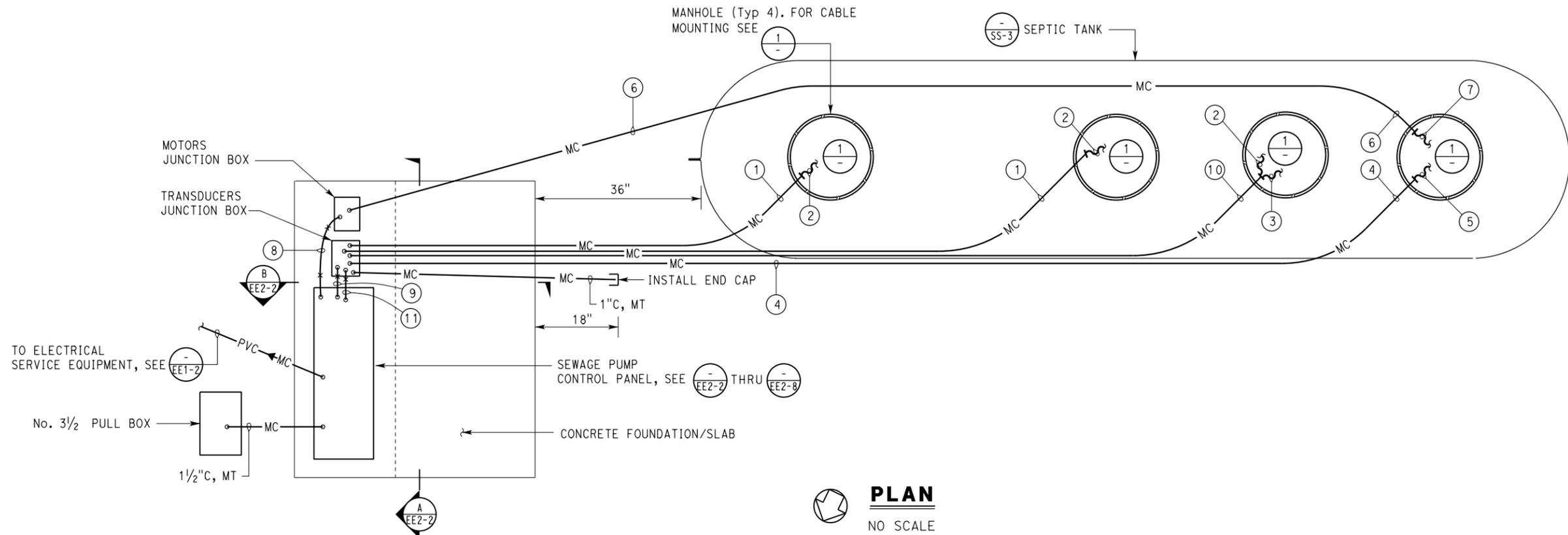
Catalino A. Enriquez 6-19-2014
 REGISTERED ELECTRICAL ENGINEER DATE
 10-06-2014
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 No. 16944
 Exp. 6-30-15
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1 TYPICAL CABLE MOUNTING DETAIL

NO SCALE



PLAN
NO SCALE

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DESIGN BY C. A. Enriquez CHECKED Tommy Lee	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No. 56R0005	WILEY'S WELL SAFETY ROADSIDE REST AREA	SHEET
			POST MILE R135.10		EE2-1
			SEPTIC TANK ENLARGED PLAN		
DETAILS BY Dali Zhou CHECKED C. A. Enriquez	UNIT: 3597 CONTRACT No.: 0L5904 PROJECT NUMBER & PHASE: 08000004211	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET	OF
QUANTITIES BY C. A. Enriquez CHECKED Tommy Lee	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	1-19-11 4-26-11 6-30-11 10-13-11 10-04-13 4-25-14 6-19-14			

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R135.10	27	33

Catalino A. Enriquez 6-19-2014
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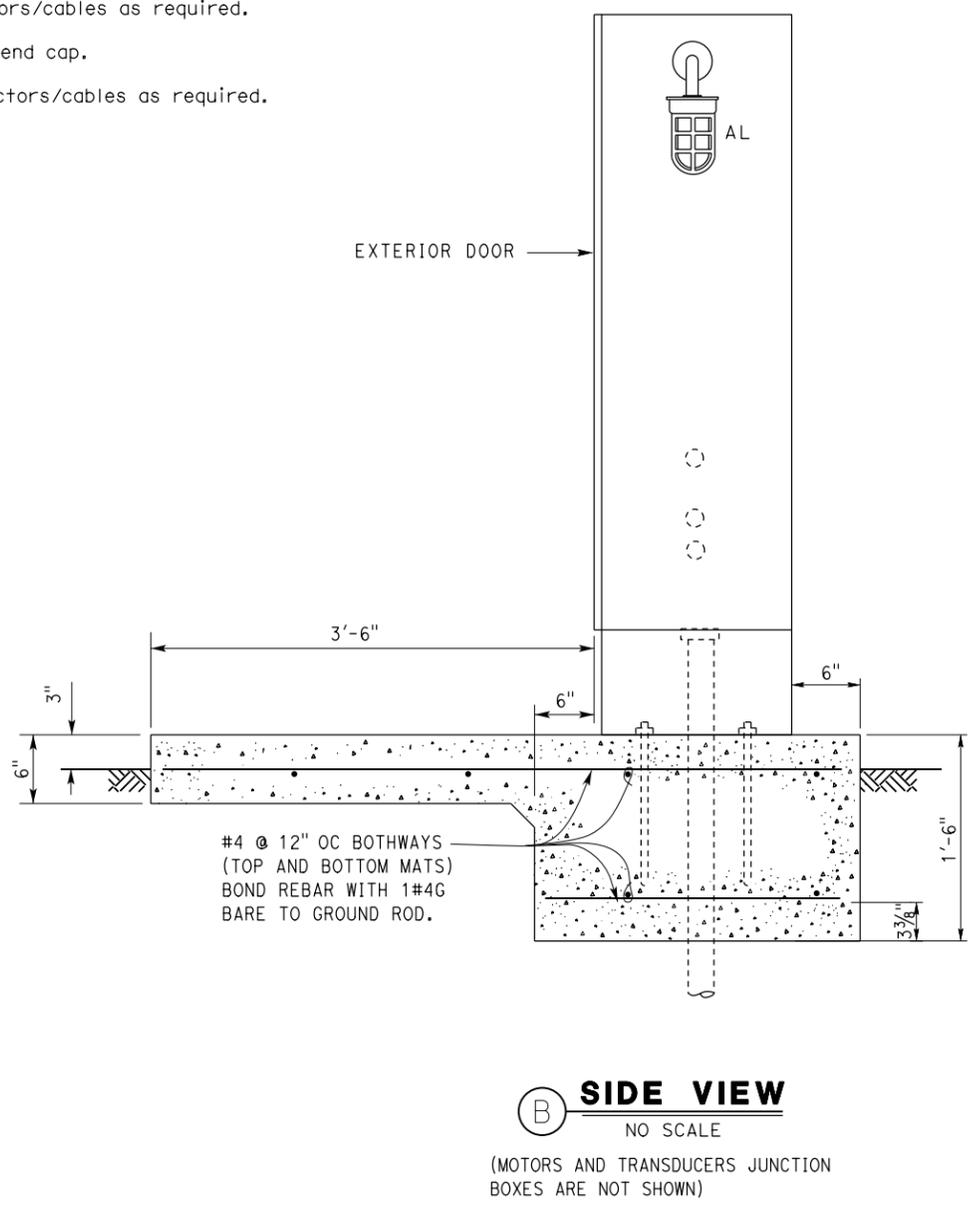
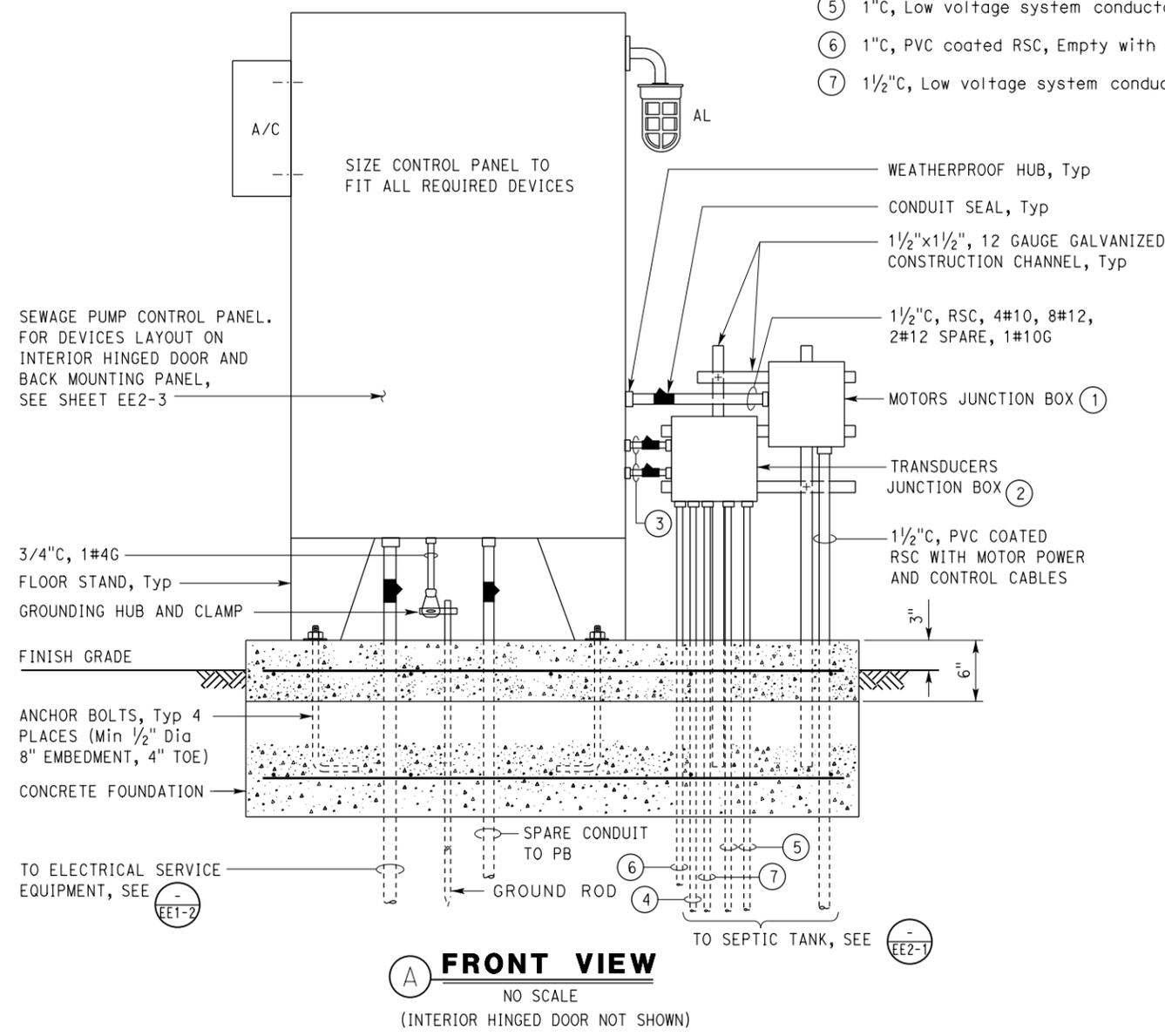
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Reviewed by: *Francis Solich*
Approval date: 6-01-2014
CSFM No. 01-33-11-0036

- NOTES:
- 1 Use weatherproof NEMA 4X stainless steel junction box with padlocking provision. Install terminal blocks inside junction box for terminating all conductors/cables. Size junction box as required.
 - 2 Use weatherproof NEMA 4X stainless steel junction box with padlocking provision. Size junction box as required. Splice fiber optic cables (float switch cables) inside junction box using approved splicing method. Polish fiber optic cables end prior to splicing. Install suitable terminal blocks inside junction box for terminating sludge and level transducer conductors/cables as recommended by the transducer/cable manufacturer.
 - 3 1/2"C, RSC, low voltage conductors/cables and fiber optic cables as required.
 - 4 1"C, PVC coated RSC, fiber optic cables to float switches.
 - 5 1"C, Low voltage system conductors/cables as required.
 - 6 1"C, PVC coated RSC, Empty with end cap.
 - 7 1/2"C, Low voltage system conductors/cables as required.



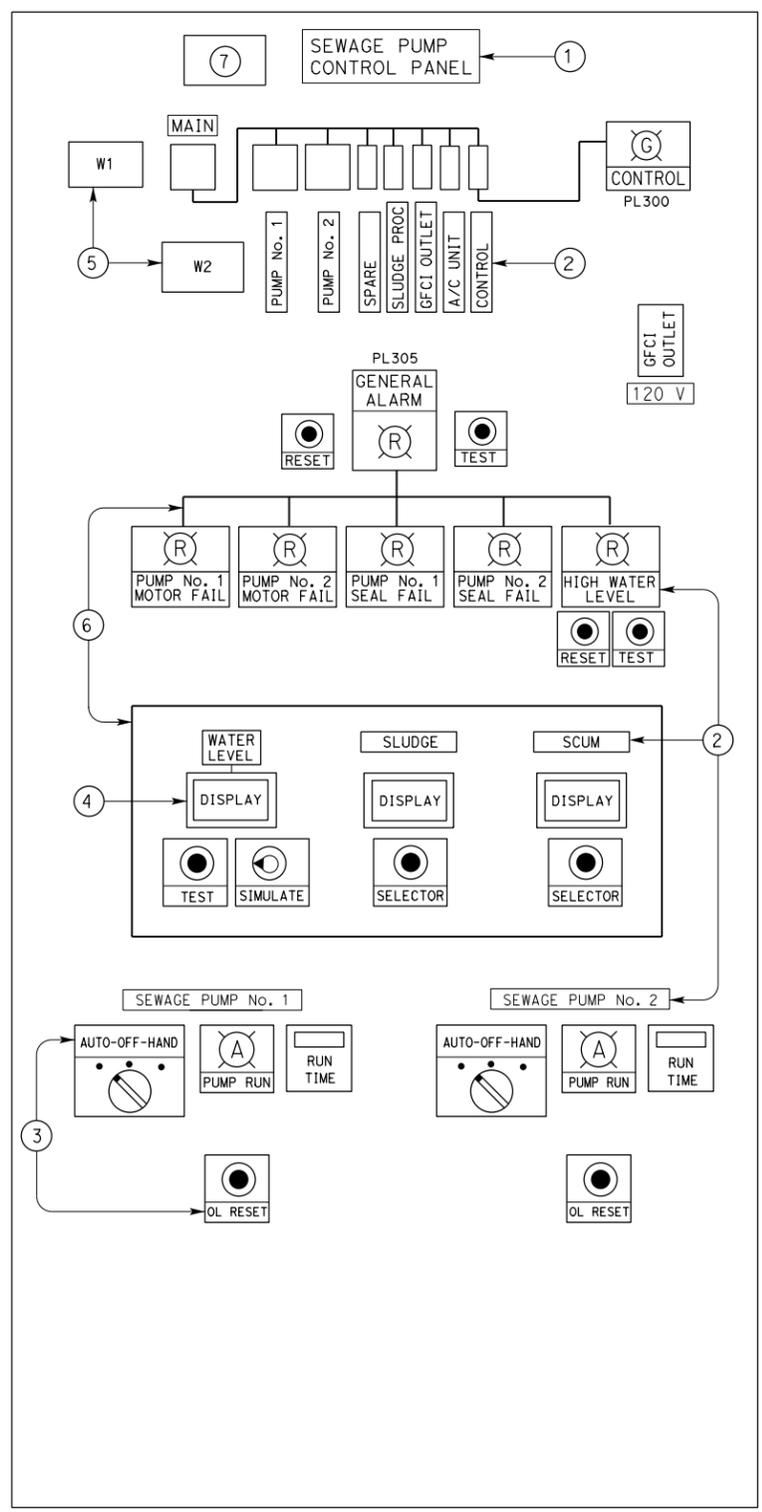
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DESIGN	BY	C. A. Enriquez	CHECKED	Tommy Lee	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No.	56R0005	WILEY'S WELL SAFETY ROADSIDE REST AREA	SHEET EE2-2	
	DETAILS	BY	Dali Zhou	CHECKED			C. A. Enriquez	POST MILE			R135.10
	QUANTITIES	BY	C. A. Enriquez	CHECKED			Tommy Lee	SEWAGE PUMP CONTROL PANEL 1			
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS					0 1 2 3	UNIT: 3597 CONTRACT No.: 0L5904 PROJECT NUMBER & PHASE: 0800004211	DISREGARD PRINTS BEARING EARLIER REVISION DATES			REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
TAEWW Imperial - CCSC Rev. 02/13					0 1 2 3	FA 015901	27-OCT-2014 11:30			11:30	

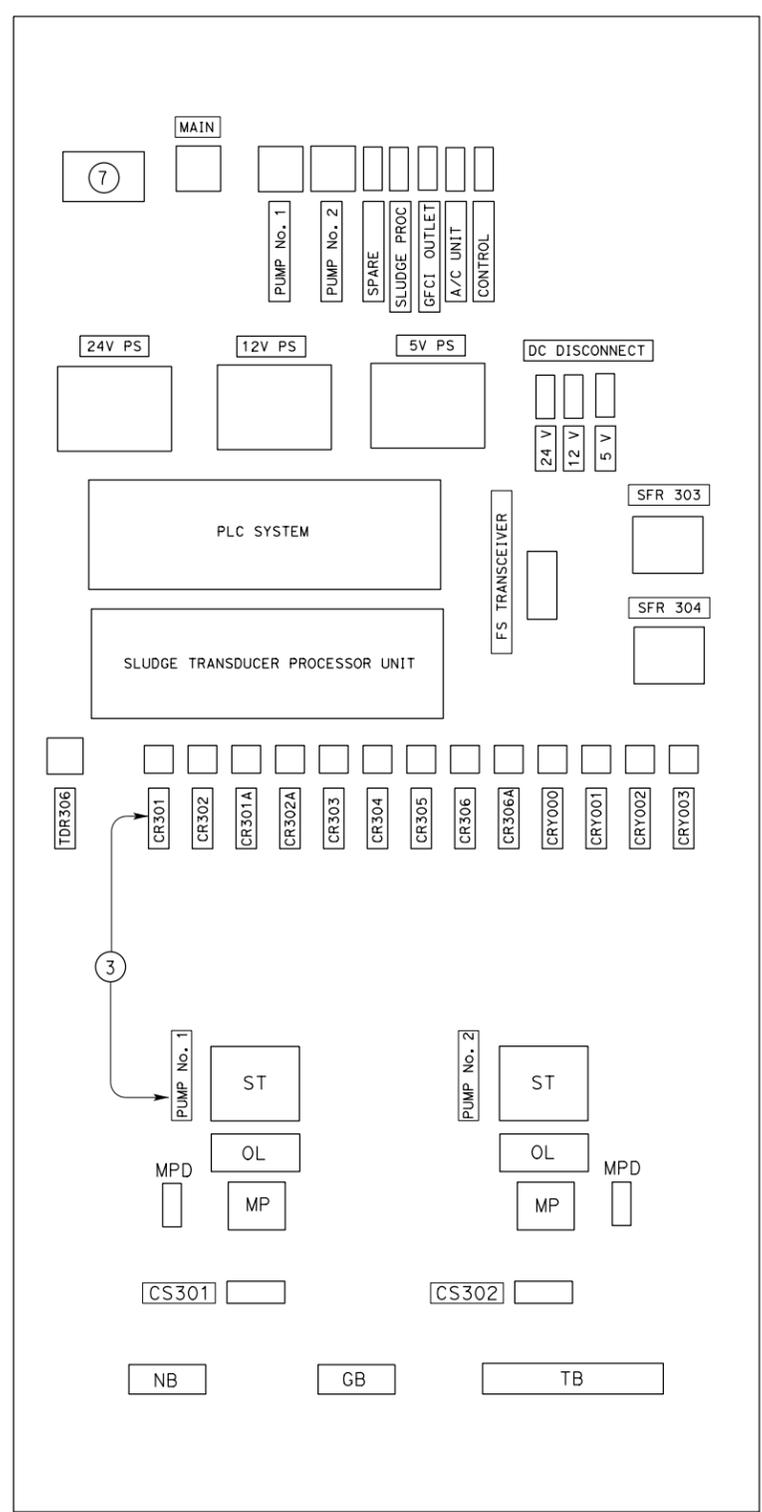
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 No. 16944
 Exp. 6-30-15
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INTERIOR HINGED DOOR



BACK MOUNTING PANEL

PANEL LAYOUT

NO SCALE

APPROVED FOR ELECTRICAL WORK ONLY

WARNING PLATE SCHEDULE		
TAG No.	INSCRIPTION	LETTER HEIGHT (Inch)
W1	WARNING! BEFORE SERVICING PANEL TURN "MAIN DISCONNECT" TO OFF POSITION TO DEENERGIZE WHOLE PANEL	1/4
W2	CAUTION! PUMP DISCONNECT DOES NOT TURN OFF POWER TO CONTROL CIRCUIT	1/4

GENERAL NOTES:

- A. Size panel as required to fit all devices.
- B. For control panel exterior Elevation and Detail, see sheet EE2-2.

NOTES:

- ① Nameplate with inscription of 1/2" high letters-Typical.
- ② Nameplate with inscription of 1/4" high letters-Typical.
- ③ Nameplate with inscription of 3/16" high letters-Typical.
- ④ Display panel-Typical.
- ⑤ Warning plate with 1/4" white letter on red background.
- ⑥ Line inscription-Typical.
- ⑦ Install arc flash warning label type 1. For label details, see plan sheet EE1-5.

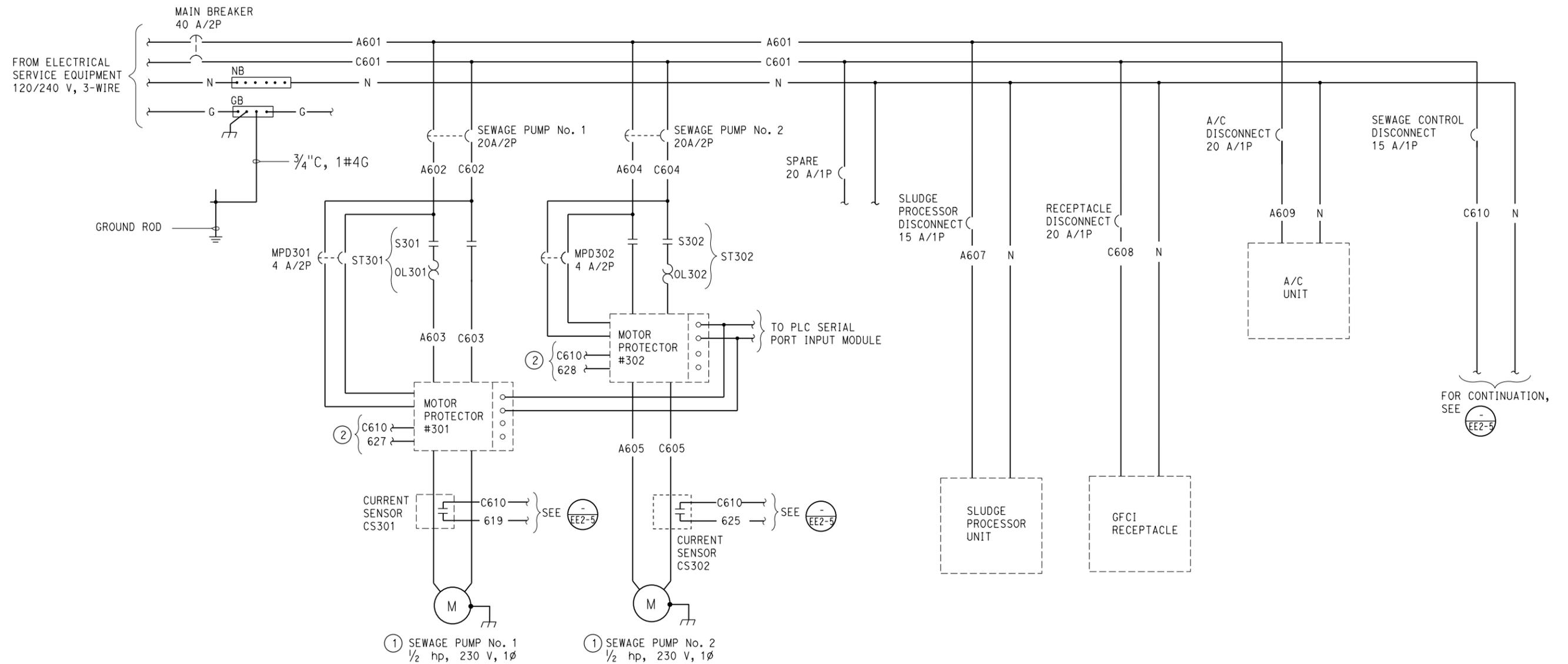
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R135.10	29	33

Approved by: *Catalino A. Enriquez* 6-19-2014
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NOTES:

- Pump controls are designed on the basis that starting winding connection and disconnection are integral within the pump motor housing. In the event, pump motor requires external motor starting mechanism, provide motor cable with third power conductor for motor starting (Cable with three power conductors, four control conductors and ground conductor).
- Motor protector alarm. For continuation, see sheet EE2-5.



POWER SCHEMATIC DIAGRAM

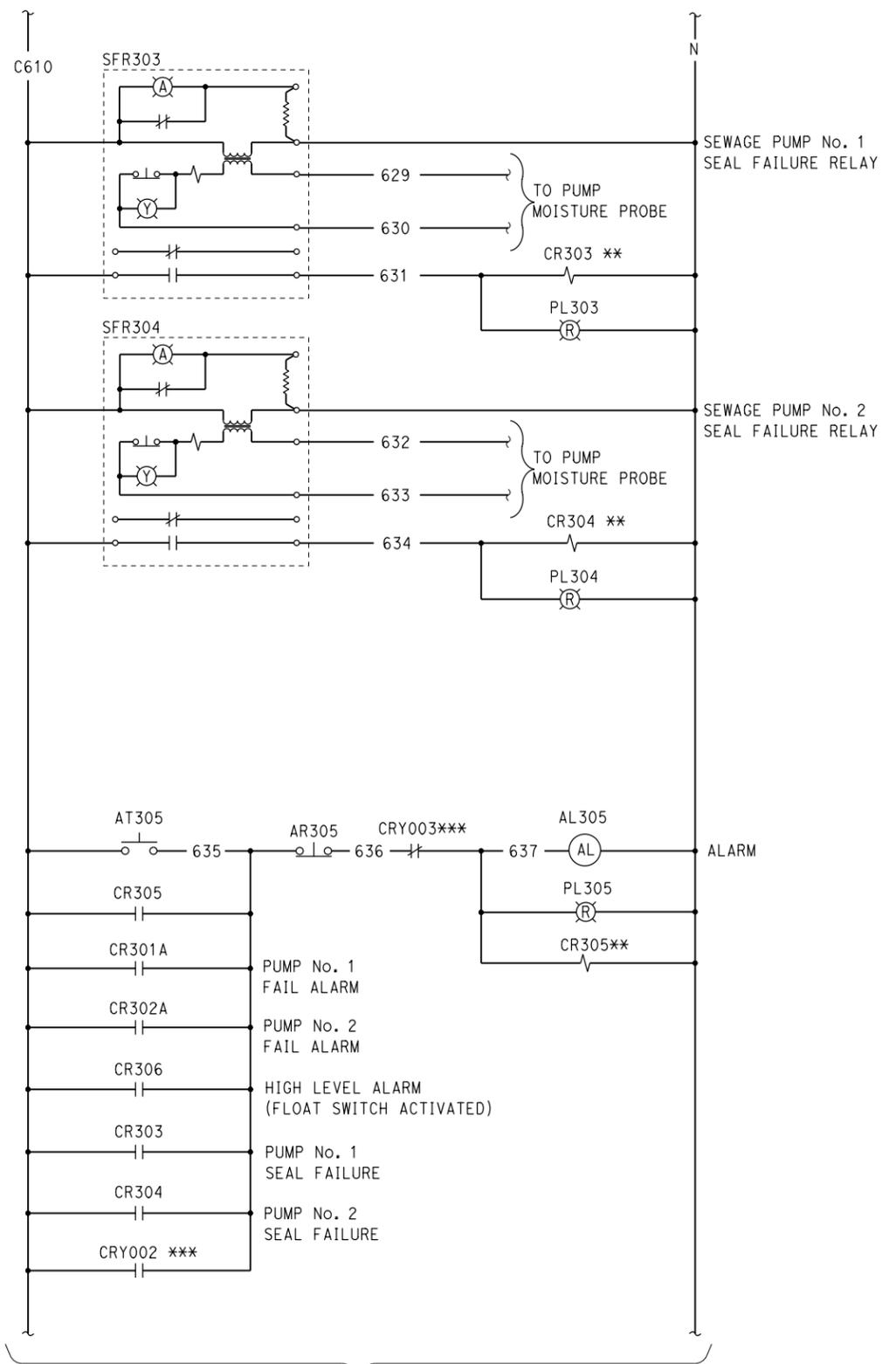
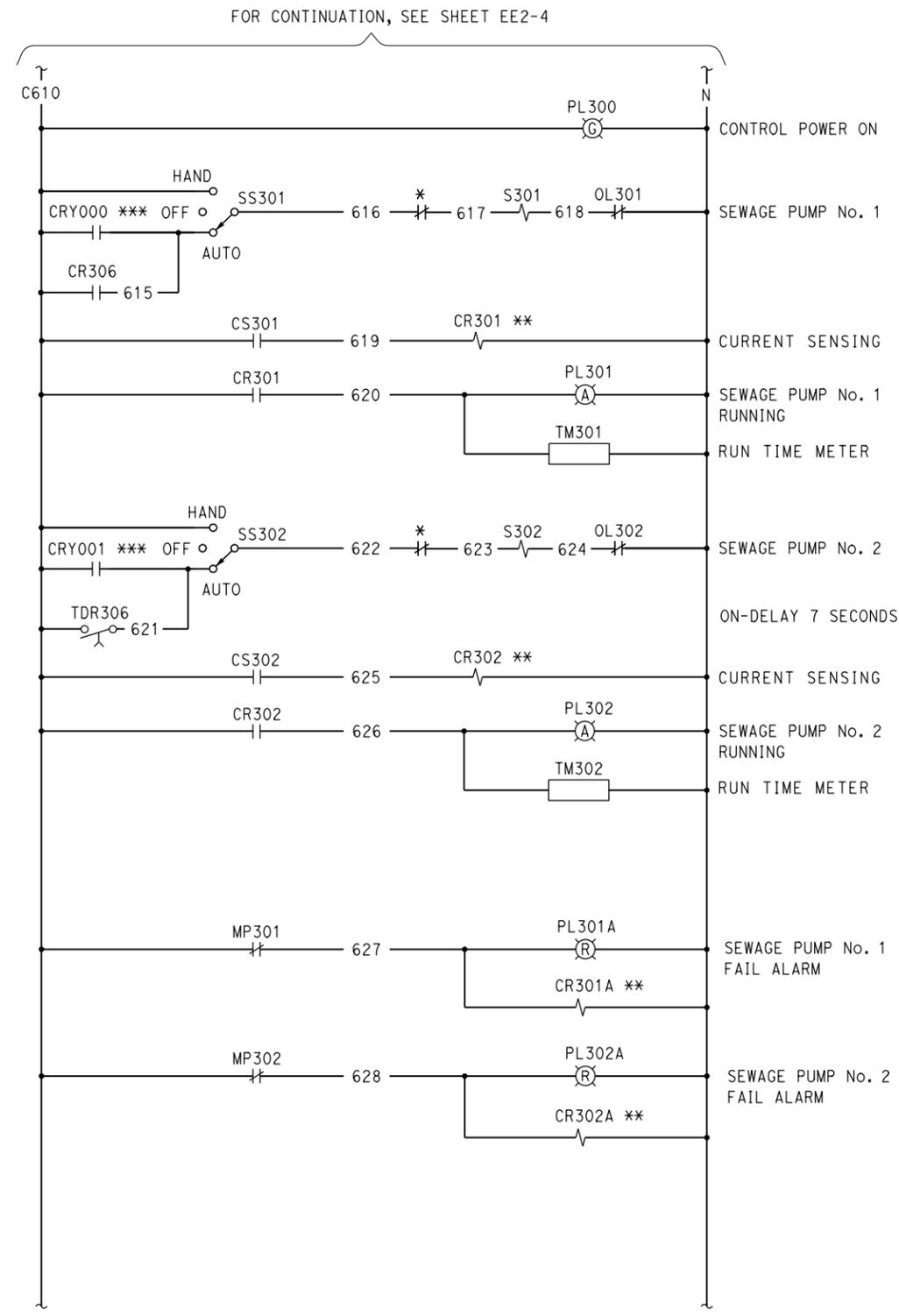
DESIGN	BY C. A. Enriquez	CHECKED Tommy Lee	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No. 56R0005	WILEY'S WELL SAFETY ROADSIDE REST AREA SEWAGE PUMP CONTROL PANEL SCHEMATIC 1	SHEET EE2-4 OF
	DETAILS BY Dali Zhou	CHECKED C. A. Enriquez			POST MILE R135.10		
	QUANTITIES BY C. A. Enriquez	CHECKED Tommy Lee			UNIT: 3597 CONTRACT No.: 0L5904 PROJECT NUMBER & PHASE: 08000004211		
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS			DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)		
0 1 2 3			1-19-11 4-26-11 6-30-11 10-13-11 10-24-11 4-25-11 6-19-14		SHEET OF		

TAEWW Imperial - CCSC Rev. 02/13
 FA 015901
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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R135.10	30	33

Catalino A. Enriquez 6-19-2014
 REGISTERED ELECTRICAL ENGINEER DATE
 10-06-2014
 PLANS APPROVAL DATE
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REGISTERED PROFESSIONAL ENGINEER
C.A. ENRIQUEZ
 No. 16944
 Exp. 6-30-15
 ELEC
 STATE OF CALIFORNIA



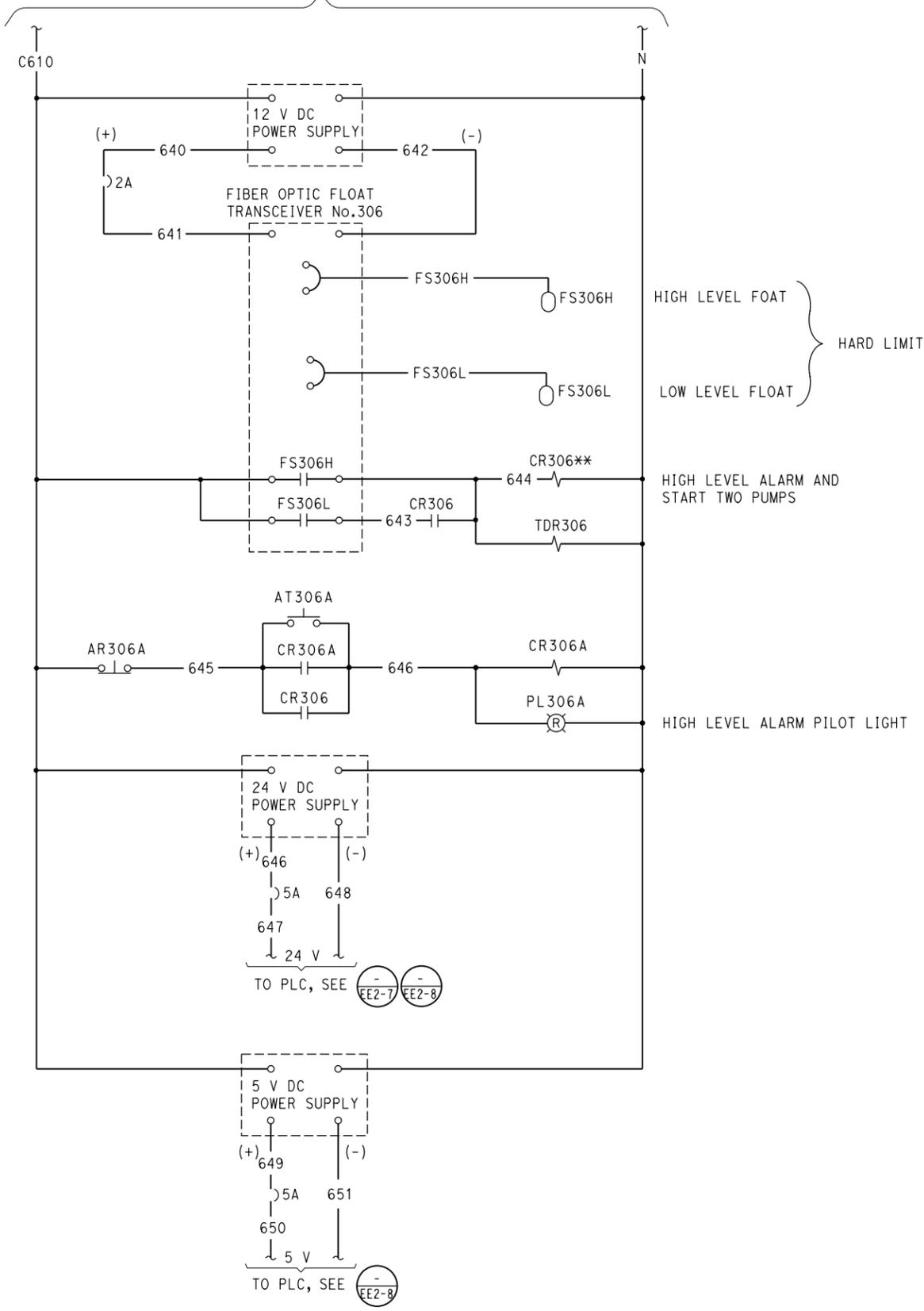
CALIFORNIA STATE FIRE MARSHAL APPROVED
 Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approvals subject to field inspection. One set of approved plans shall be available on the project site at all times.
 Reviewed by: *Francis Solich*
FRANCIS SOLICH
 Approval date: 6-01-2014
 CSFM No. 01-33-11-0036

- * Motor Integral Thermal Protection.
- ** Multiple Device. For connection to PLC, see sheet EE2-7.
- *** Multiple Device. For connection to PLC, see sheet EE2-8.

FOR CONTINUATION, SEE SHEET EE2-6

DESIGN BY C. A. Enriquez CHECKED Tommy Lee DETAILS BY Dali Zhou CHECKED C. A. Enriquez QUANTITIES BY C. A. Enriquez CHECKED Tommy Lee	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No. 56R0005 POST MILE R135.10	WILEY'S WELL SAFETY ROADSIDE REST AREA SEWAGE PUMP CONTROL PANEL SCHEMATIC 2	SHEET EE2-5 OF
	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT: 3597 CONTRACT No.: 0L5904 PROJECT NUMBER & PHASE: 08000004211	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY) 1-19-11 4-26-11 6-30-11 10-13-11 10-24-11 6-19-14	SHEET OF
	TAEWW Imperial - CCSC Rev. 02/13	FA 015901	Pr:\dist\08\08000004211\wileys wells\sr\expedite\QA_Reviewed\ee2_05.dwg	27-OCT-2014 11:31	

FOR CONTINUATION, SEE SHEET EE2-5



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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R135.10	31	33

Catalino A. Enriquez 6-19-2014
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** Multiple Device. For connection to PLC, see sheet EE2-7.

DESIGN	BY C. A. Enriquez	CHECKED Tommy Lee
DETAILS	BY Dali Zhou	CHECKED C. A. Enriquez
QUANTITIES	BY C. A. Enriquez	CHECKED Tommy Lee

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
 ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN

BRIDGE No. 56R0005
 POST MILE R135.10

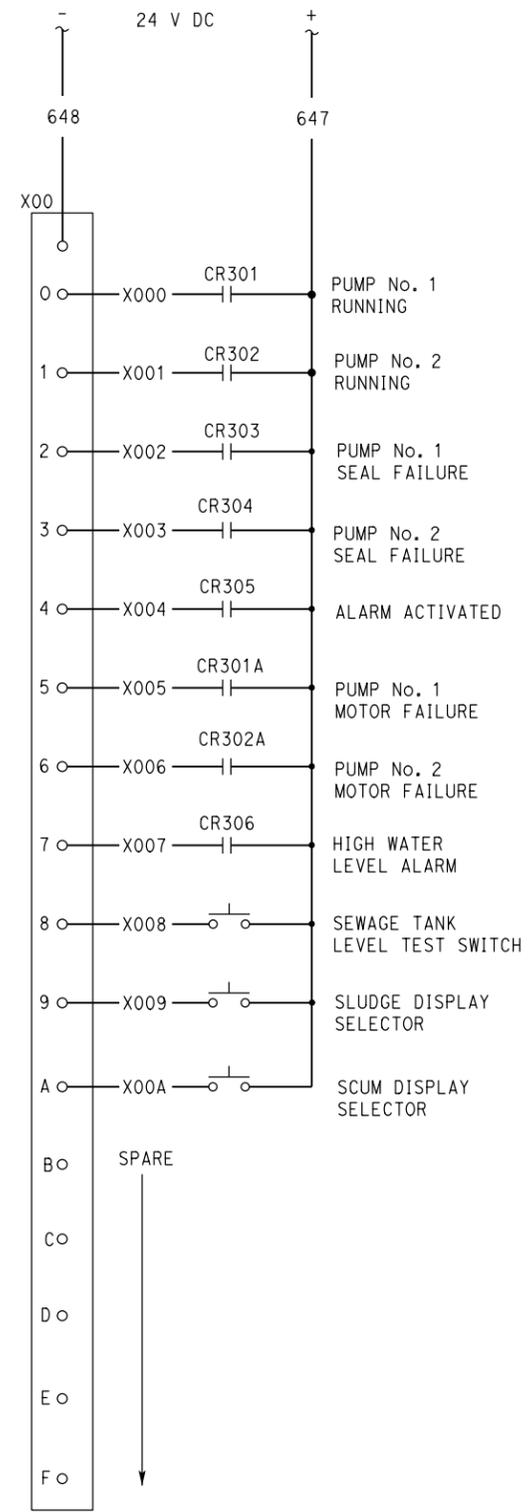
WILEY'S WELL SAFETY ROADSIDE REST AREA
 SEWAGE PUMP CONTROL PANEL SCHEMATIC 3

SHEET **EE2-6** OF

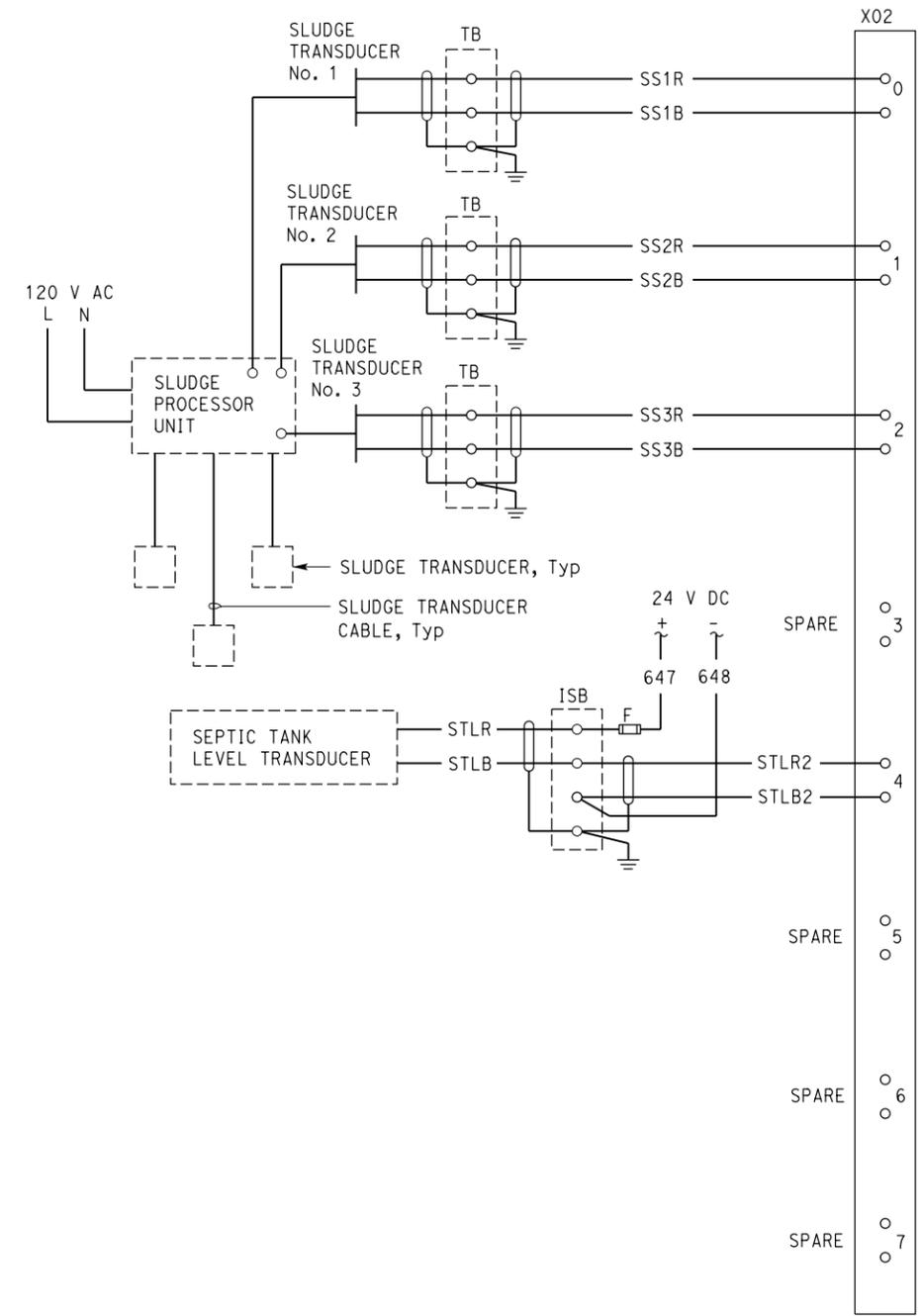
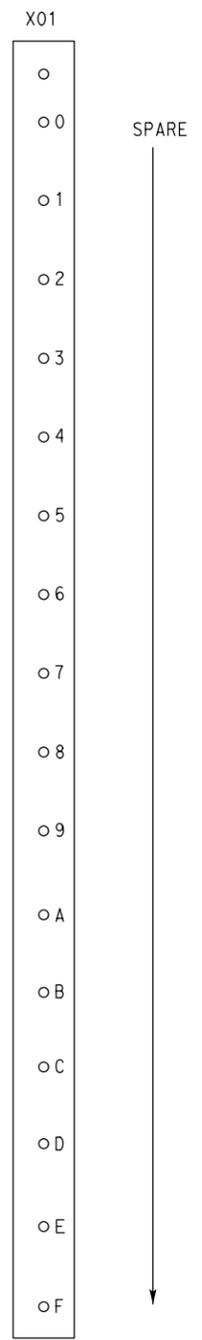
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R135.10	32	33

Catalino A. Enriquez 6-19-2014
 REGISTERED ELECTRICAL ENGINEER DATE
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INPUT MODULES



ANALOG INPUT MODULE

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 FRANCIS SOLICH
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DESIGN	BY	C. A. Enriquez	CHECKED	Tommy Lee	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No.	56R0005	WILEY'S WELL SAFETY ROADSIDE REST AREA SEWAGE PUMP PLC MODULES 1	SHEET	OF		
	DETAILS	BY	Dali Zhou	CHECKED			C. A. Enriquez	POST MILE		R135.10	EE2-7		
	QUANTITIES	BY	C. A. Enriquez	CHECKED			Tommy Lee						

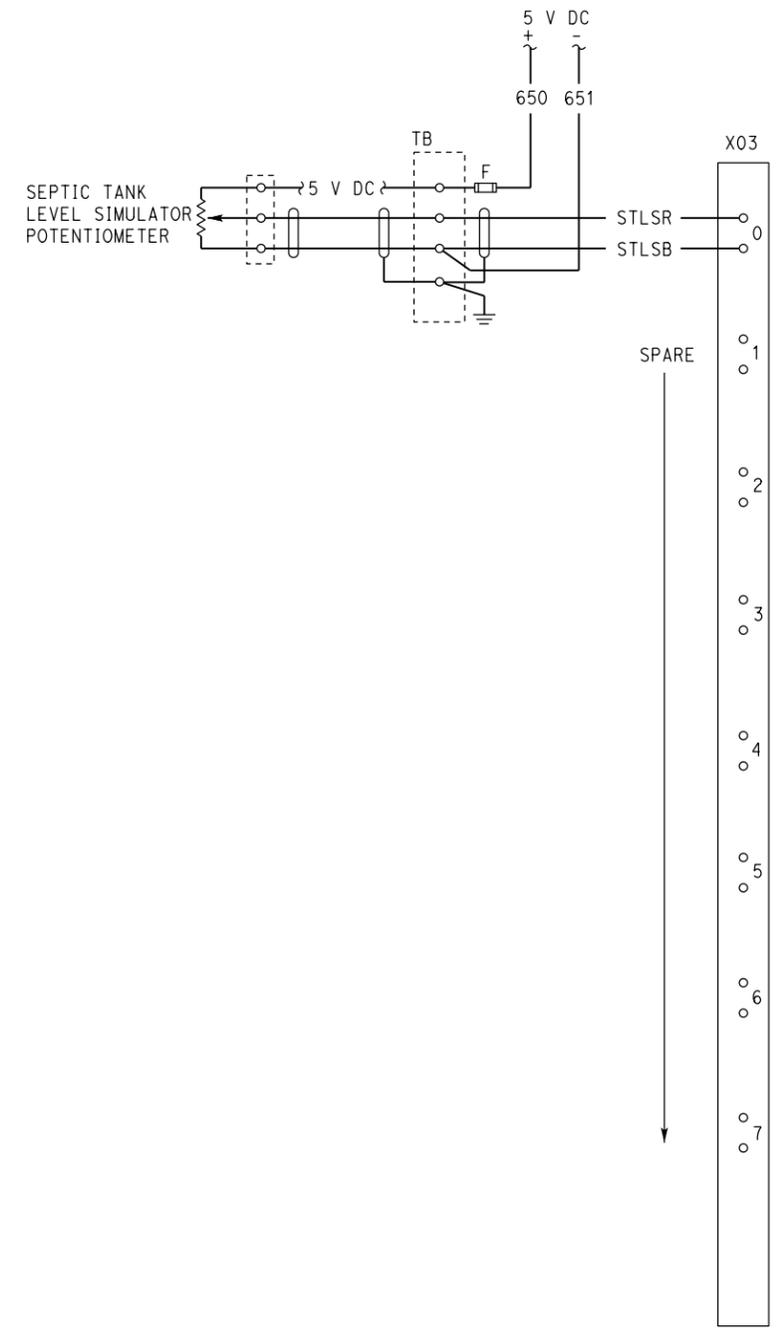
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS: 0 1 2 3
 UNIT: 3597 CONTRACT No.: 0L5904 PROJECT NUMBER & PHASE: 08000004211
 DISREGARD PRINTS BEARING EARLIER REVISION DATES
 REVISION DATES (PRELIMINARY STAGE ONLY): 1-19-11, 4-26-11, 6-30-11, 10-13-11, 10-24-11, 4-25-14, 6-19-14
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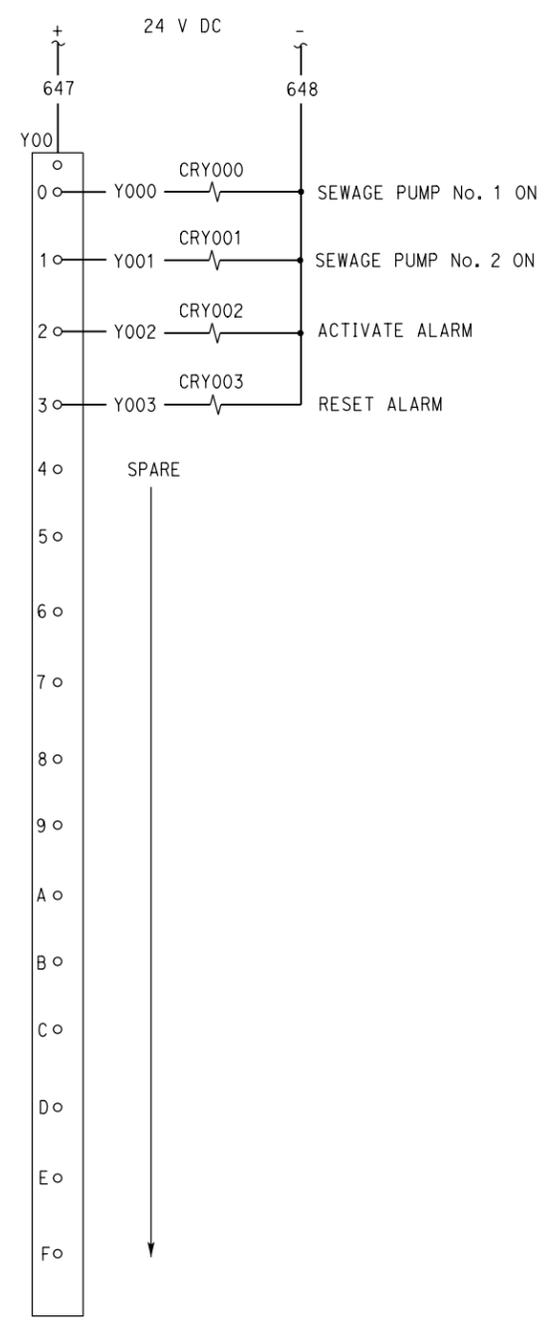
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R135.10	33	33

Catalino A. Enriquez 6-19-2014
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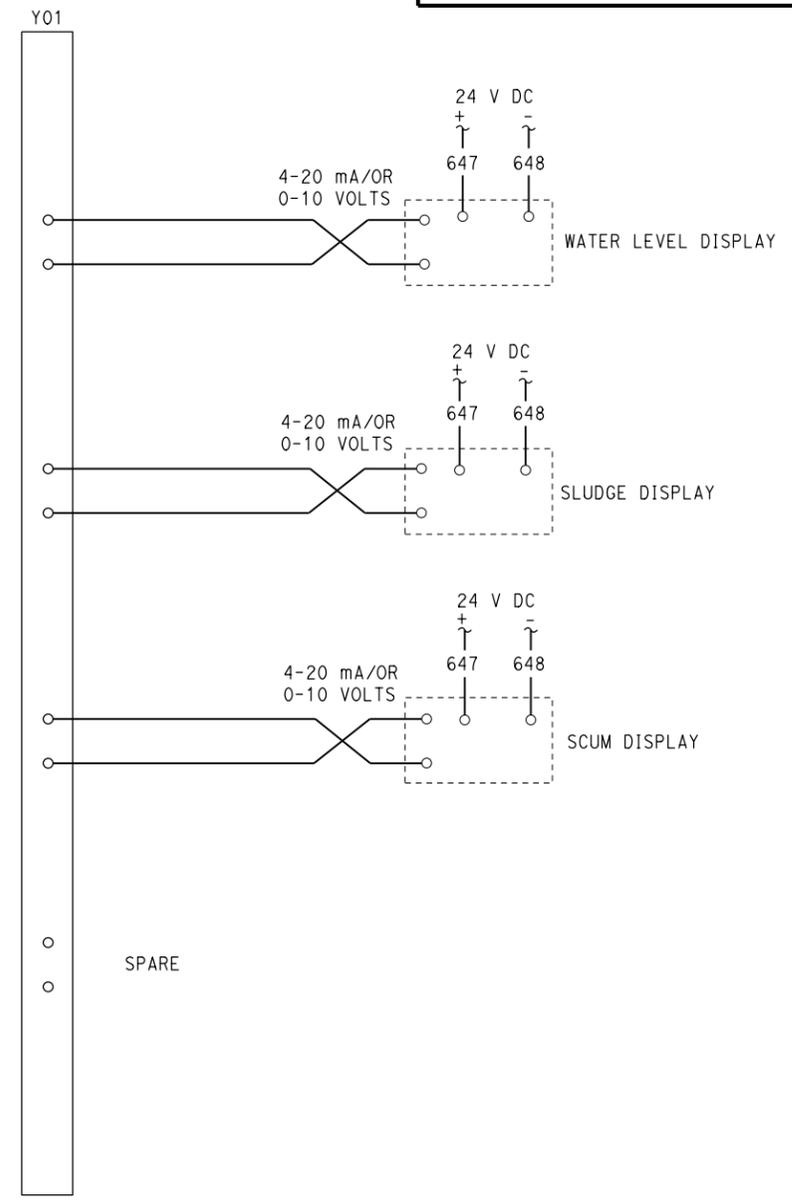
REGISTERED PROFESSIONAL ENGINEER
 C.A. ENRIQUEZ
 No. 16944
 Exp. 6-30-15
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ANALOG INPUT MODULE



DIGITAL OUTPUT MODULE



ANALOG OUTPUT MODULE

DESIGN	BY	C. A. Enriquez	CHECKED	Tommy Lee	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No.	56R0005	WILEY'S WELL SAFETY ROADSIDE REST AREA SEWAGE PUMP PLC MODULES 2	SHEET	OF		
	DETAILS	BY	Dali Zhou	CHECKED			C. A. Enriquez	POST MILE		R135.10	EE2-8		
	QUANTITIES	BY	C. A. Enriquez	CHECKED			Tommy Lee						
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS					0	1	2	3	REVISION DATES (PRELIMINARY STAGE ONLY) 1-9-11 4-2-11 6-30-11 10-13-11 10-24-11 6-19-14				
UNIT: 3597 CONTRACT No.: 0L5904 PROJECT NUMBER & PHASE: 0800004211					DISREGARD PRINTS BEARING EARLIER REVISION DATES			FA 015901			P:\dist 08\0800004211\wileys wells srra\expedite\QA Reviewed\ee2 08.dan		

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