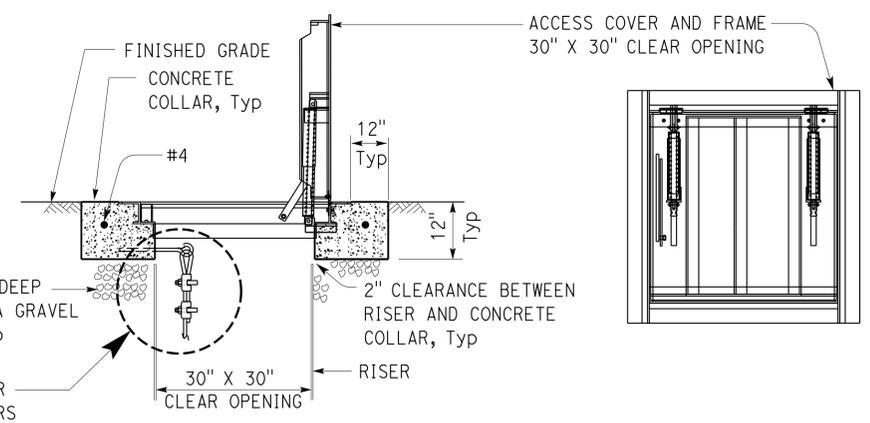


**EQUIPMENT SCHEDULE**

EQUIPMENT	HP	VOLTS	PHASE	PUMPING RATE (GPM)	TOTAL DYNAMIC HEAD (Ft)
DUPLEX PUMPS # 1, # 2	1/2	230		-25- 45	-30- 38

**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  
 REGISTERED CIVIL ENGINEER DATE  
 10-06-2014  
 PLANS APPROVAL DATE  
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REGISTERED PROFESSIONAL ENGINEER  
 No. C 36844  
 Exp. 06/30/16  
 CIVIL  
 STATE OF CALIFORNIA

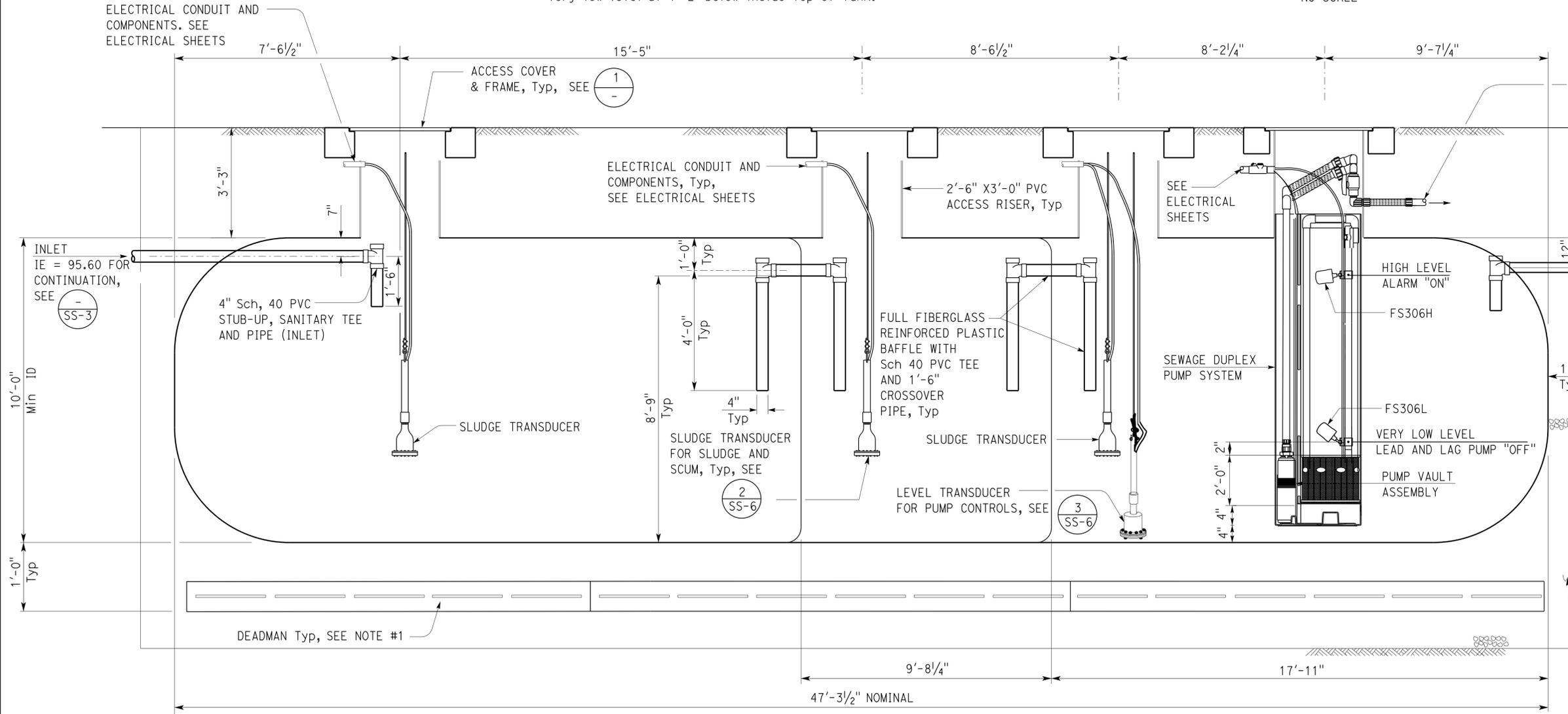
**CALIFORNIA STATE FIRE MARSHAL APPROVED**

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

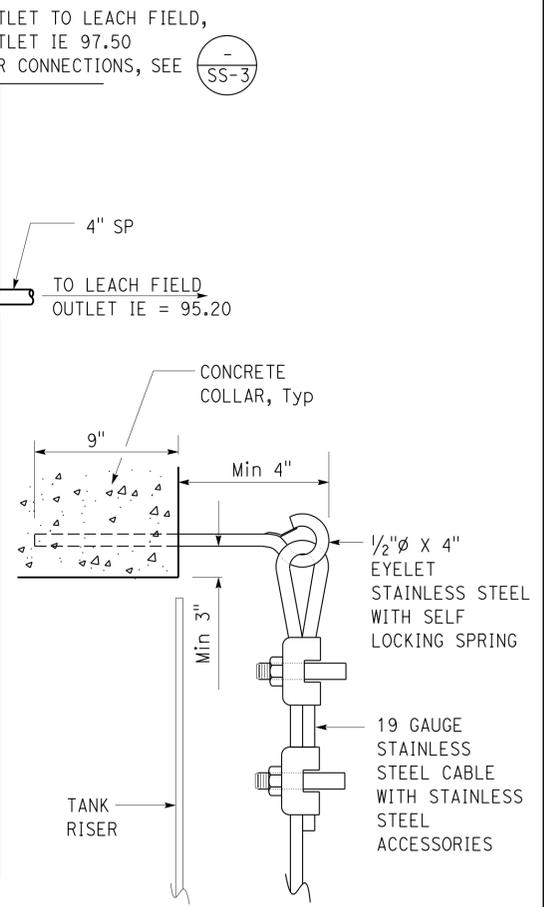
Reviewed by: *Francis Solich*  
 FRANCIS SOLICH  
 Approval date: 6-01-2014  
 CSFM No. 01-33-11-0036

**4 CONTRACT CHANGE ORDER NO.**

SHEET OF



**25,000 GALLON SEPTIC TANK ELEVATION**  
NO SCALE



**2 EYELET FOR TRANSDUCERS**  
NO SCALE

**4 REPLACED PER ADDENDUM No. 4 DATED FEBRUARY 17, 2015** **1 ADDED PER ADDENDUM No. 1 DATED JANUARY 22, 2015**

DESIGN BY Amar Baidwan CHECKED Jerry Marcotte	<b>STATE OF CALIFORNIA</b> DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE No. 56R0005	<b>WILEY'S WELL SAFETY ROADSIDE REST AREA</b> SEPTIC TANK DETAILS	SHEET OF
DETAILS BY Amar Baidwan CHECKED Jerry Marcotte		ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	POST MILE R135.10		SS-4R
QUANTITIES BY Amar Baidwan CHECKED Jerry Marcotte		UNIT: 3616 CONTRACT No.: 0L5901 PROJECT NUMBER & PHASE: 08000004211	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)

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:

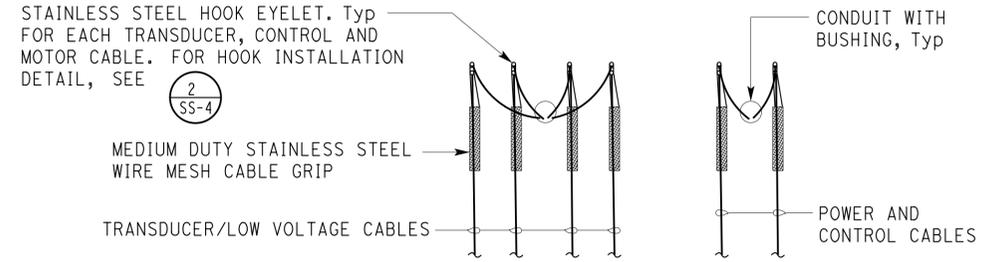
- ① 1" MC, low voltage system conductors/cables as required. See General Notes.
- ② Conductors/cables to sludge transducer.
- ③ Cable to water level transducer.
- ④ 1" MC, 2 fiber optic float switch cables.
- ⑤ Fiber optic cables to fiber optic float switches.
- ⑥ 1 1/2" MC, 2 Motor cables (both power and controls integrated in the same cable).
- ⑦ Cables to motors.
- ⑧ 1 1/2" MC, 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" MC, 2 Fiber optic float switch cables. Install conduit seal.
- ⑩ 1 1/2" MC, Low voltage system conductors/cables as required. See General Notes.
- ⑪ 1 1/2" MC, 1 Level transducer and 3 sludge sensor cables. Install conduit seal.

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

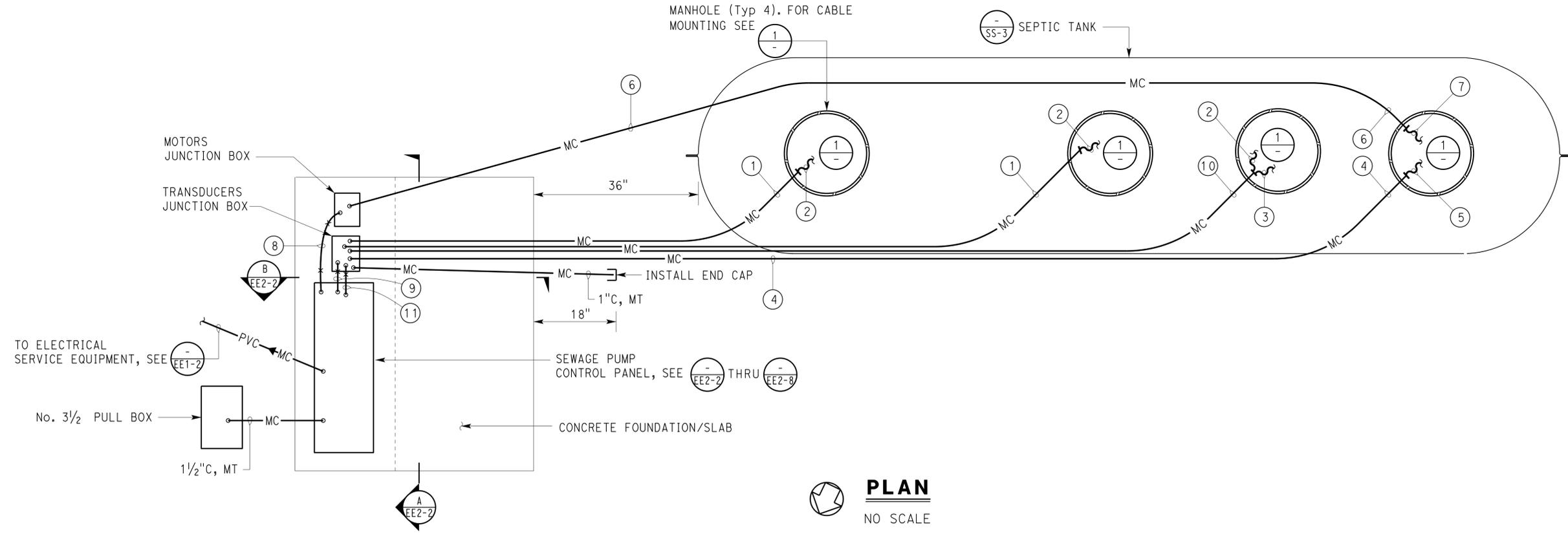
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R135.10	26	33

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



**1 TYPICAL CABLE MOUNTING DETAIL**  
 NO SCALE



**PLAN**  
 NO SCALE

**4 REPLACED PER ADDENDUM No. 4 DATED FEBRUARY 17, 2015**

APPROVED FOR ELECTRICAL WORK ONLY

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 EE2-1
				POST MILE R135.10		
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 08-13-14 6-19-14		

EA 0L5901  
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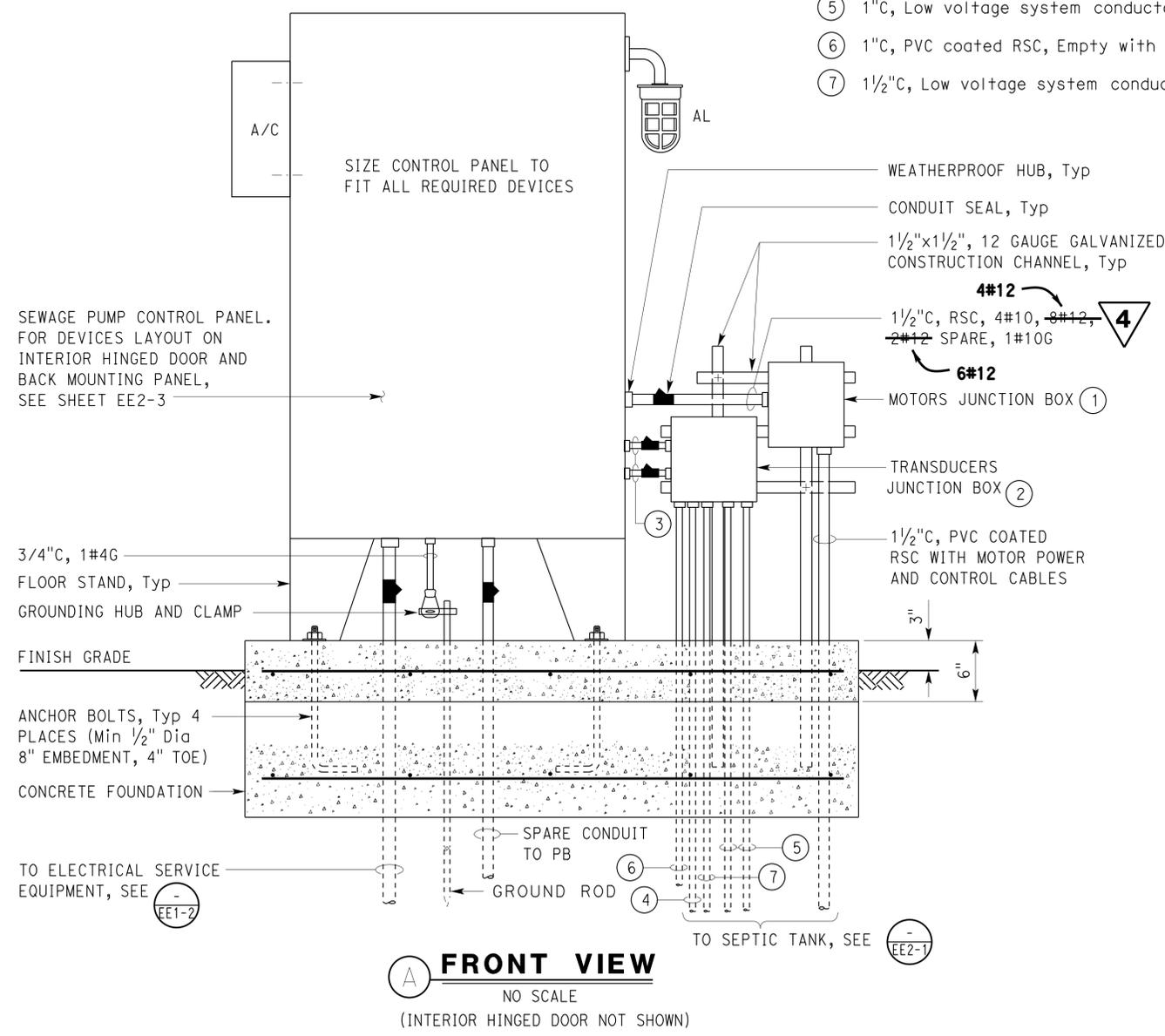
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	R135.10	27	33

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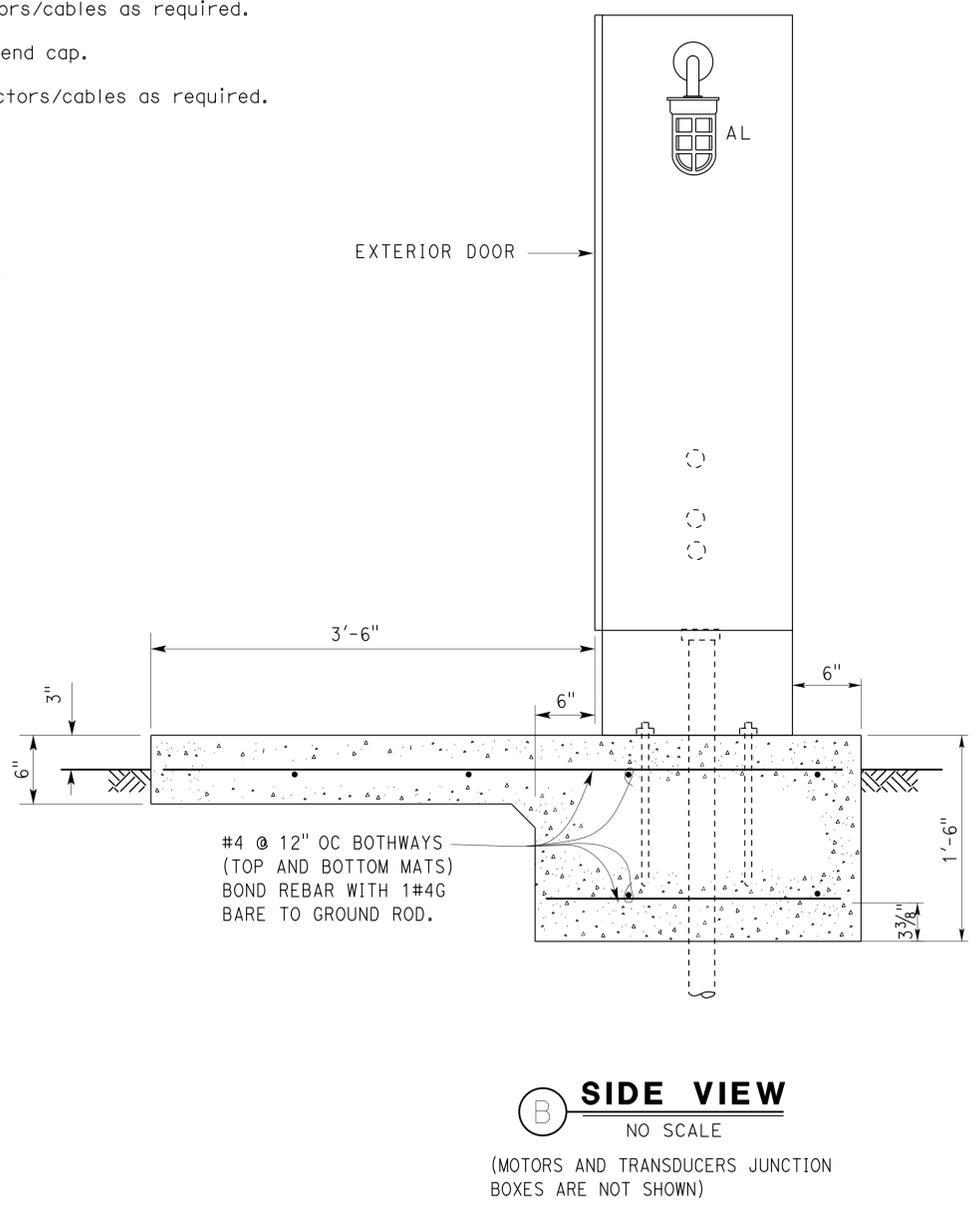
REGISTERED PROFESSIONAL ENGINEER  
 C.A. ENRIQUEZ  
 No. 16944  
 Exp. 6-30-15  
 ELEC  
 STATE OF CALIFORNIA

**CALIFORNIA STATE FIRE MARSHAL**  
**APPROVED**  
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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.



**A FRONT VIEW**  
 NO SCALE  
 (INTERIOR HINGED DOOR NOT SHOWN)

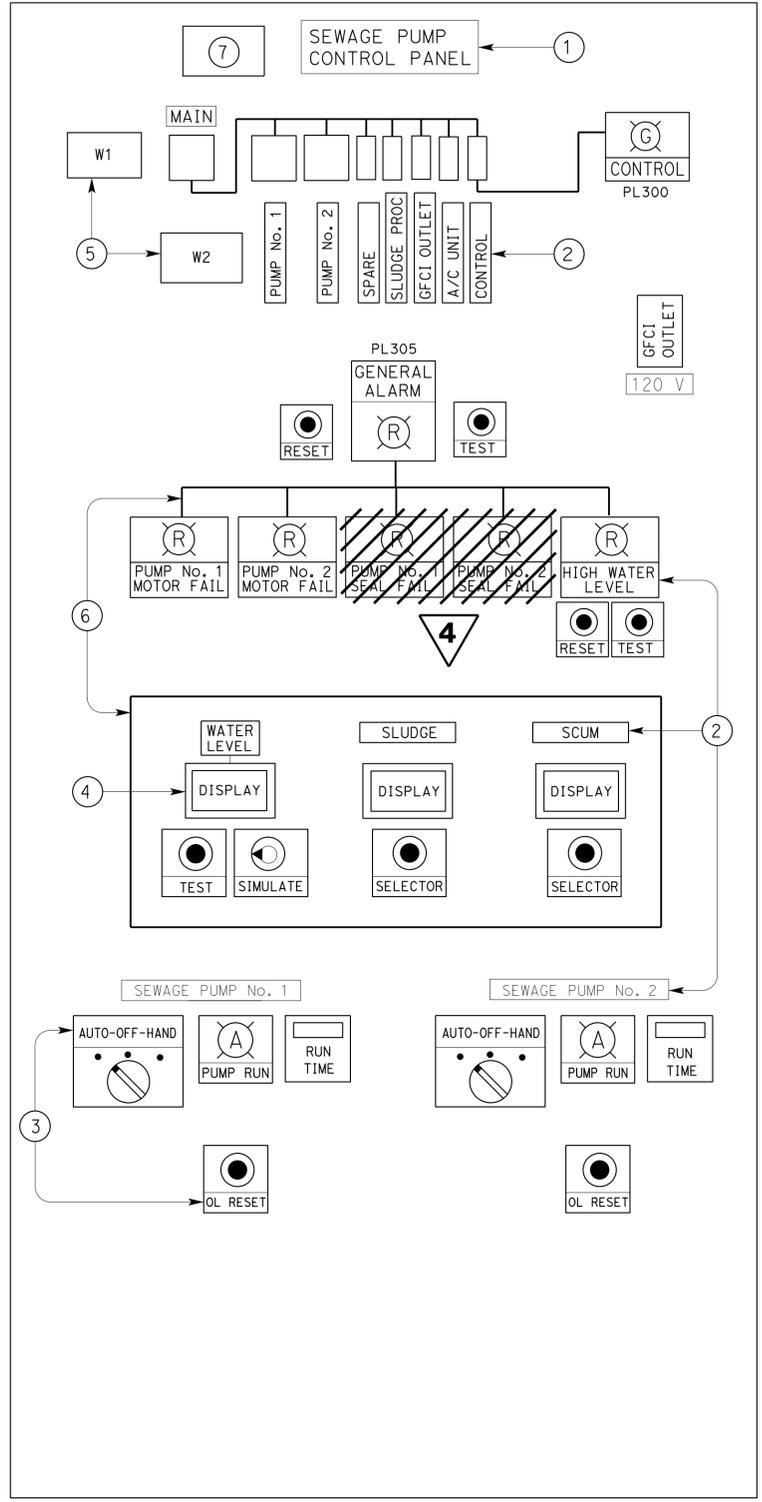


**B SIDE VIEW**  
 NO SCALE  
 (MOTORS AND TRANSDUCERS JUNCTION BOXES ARE NOT SHOWN)

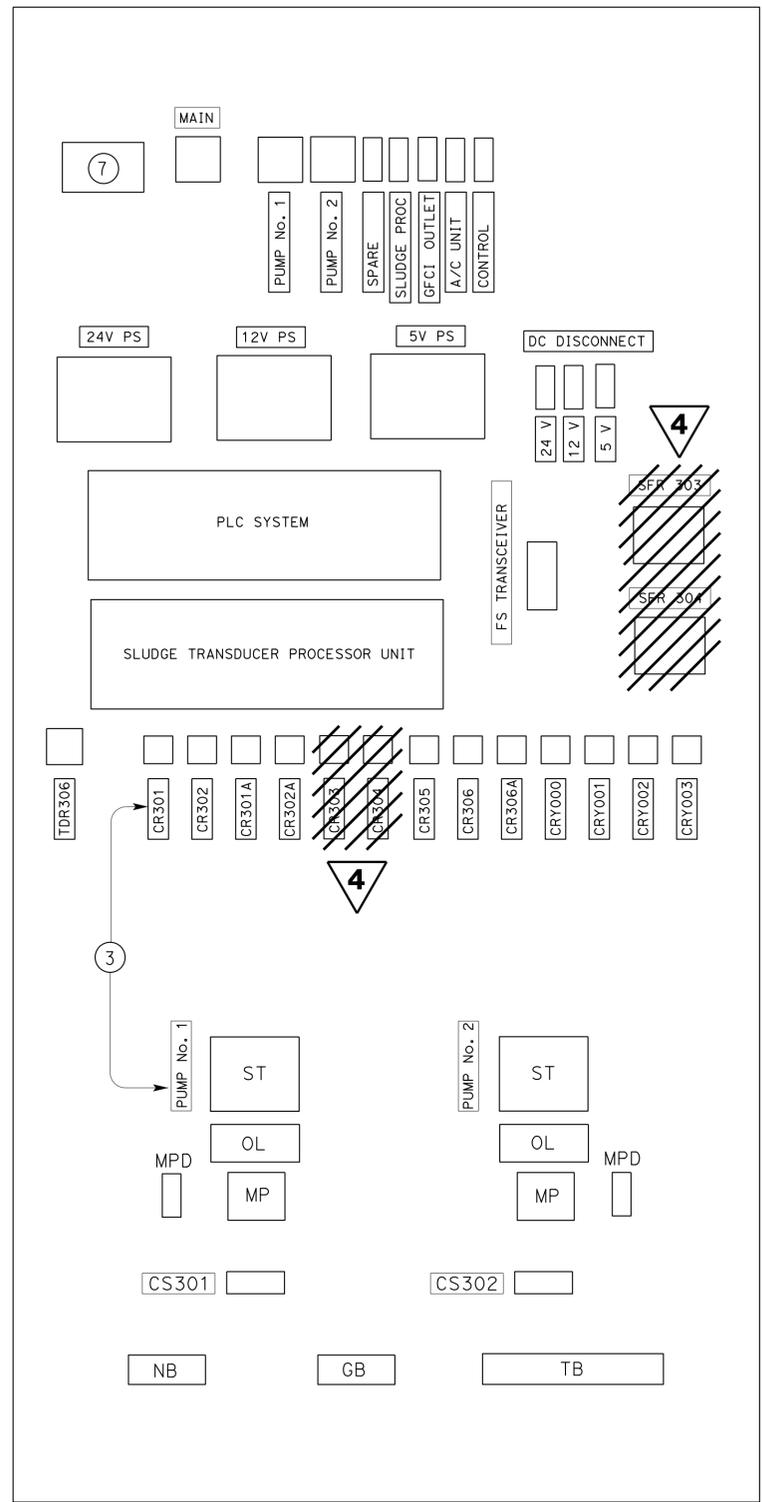
**4 REPLACED PER ADDENDUM No. 4 DATED FEBRUARY 17, 2015**

APPROVED FOR ELECTRICAL WORK ONLY

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					EA 0L5901	P:\dist_08\0800000421_wileys_wells_srra\expdite\Addenda\Addendum No. 4\ee2_02.add		17-FEB-2015 11:40			



**INTERIOR HINGED DOOR**



**BACK MOUNTING PANEL**

**PANEL LAYOUT**

NO SCALE

**4 REPLACED PER ADDENDUM No. 4 DATED FEBRUARY 17, 2015**

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.

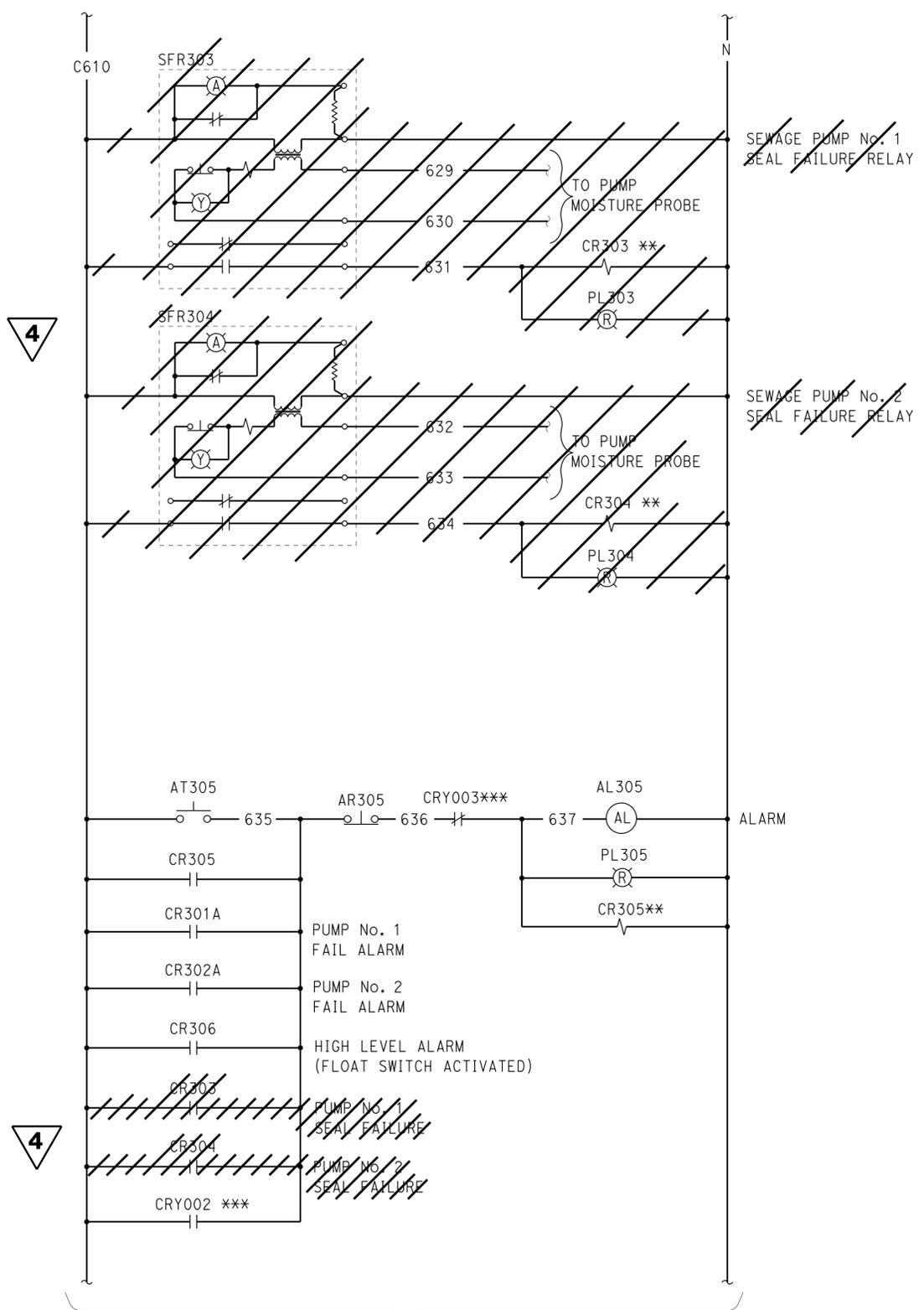
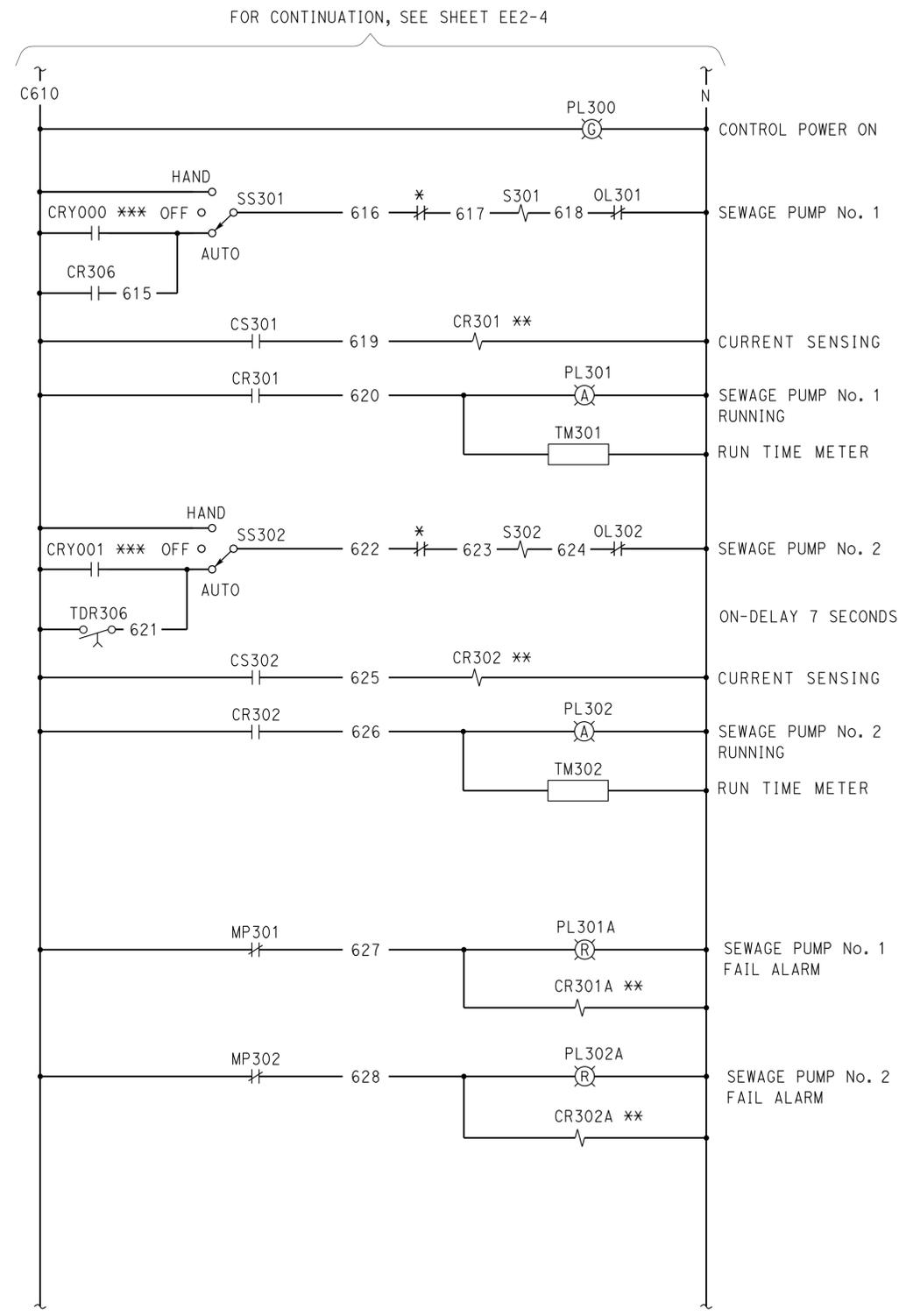
NOTES:

- 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	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**  
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 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.

4
**REPLACED PER ADDENDUM No. 4 DATED FEBRUARY 17, 2015**

TAEWW Imperial - CCSC Rev. 02/13	DESIGN BY	C. A. Enriquez	CHECKED	Tommy Lee	<b>STATE OF CALIFORNIA</b> DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No.	<b>WILEY'S WELL SAFETY ROADSIDE REST AREA</b> SEWAGE PUMP CONTROL PANEL SCHEMATIC 2	SHEET	<b>EE2-5</b>
	DETAILS BY	Dali Zhou	CHECKED	C. A. Enriquez			POST MILE		56R0005	
	QUANTITIES BY	C. A. Enriquez	CHECKED	Tommy Lee			R135.10			
	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)		
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