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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 GLENN AND SACRAMENTO COUNTIES
AT VARIOUS LOCATIONS

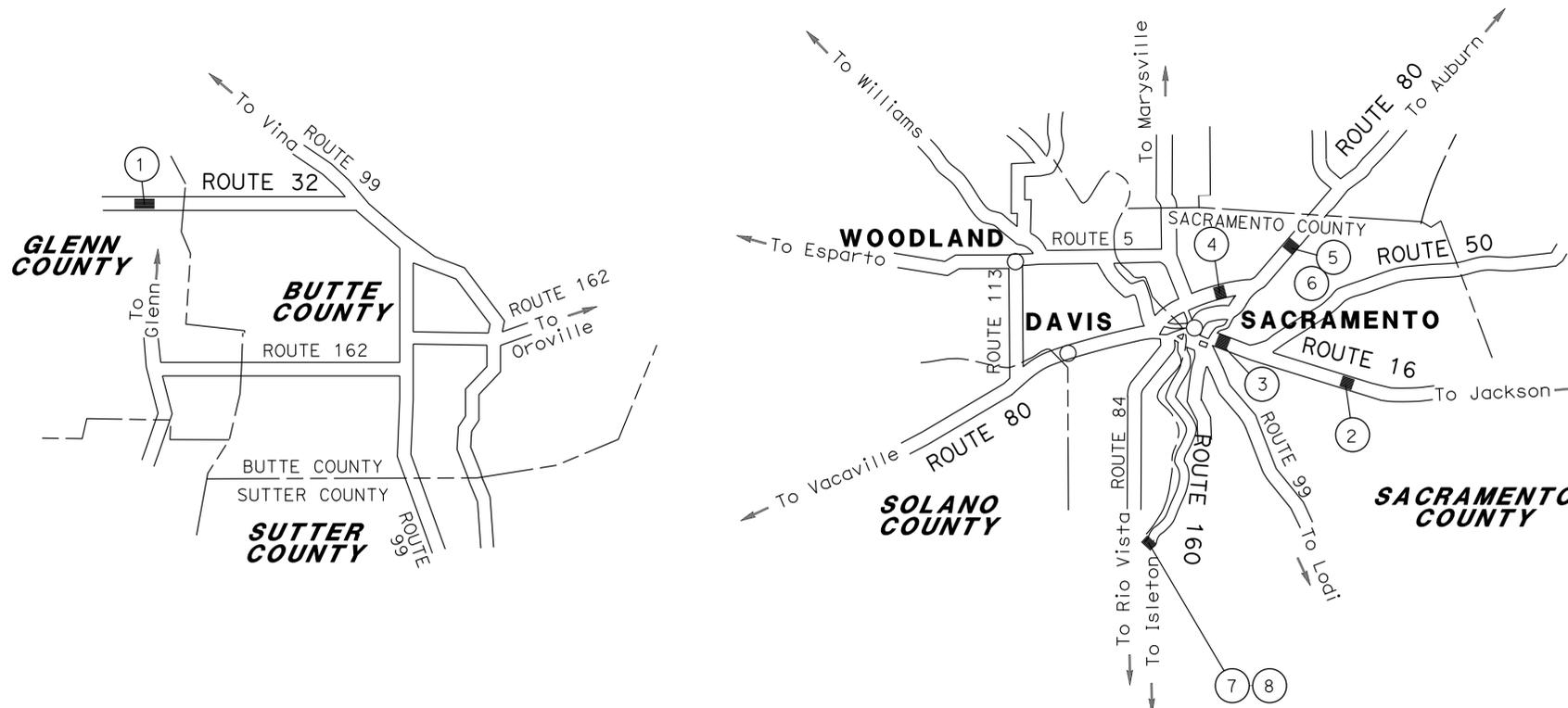
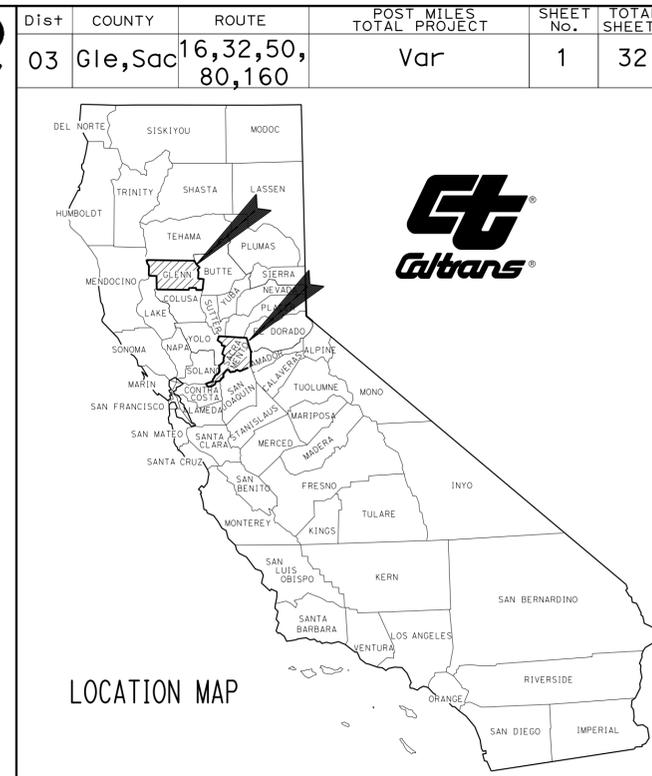
ACHSNHG-000C(393)



TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2010

LOCATIONS OF CONSTRUCTION

No.	COUNTY	ROUTE	PM	DESCRIPTION
①	Gle	32	0.5	REVISE SIGNAL AT EAST St
②	Sac	16	6.2	INSTALL TYPE 15-FBS FLASHING BEACON/SIGNAL AHEAD SIGN
③	Sac	50	L2.4	INSTALL SIGNAL HEAD POLE AT X St RAMP METER
④	Sac	80	M3.6	RELOCATE SIGNAL DETECTOR LOOPS AT TRUXEL Rd
⑤	Sac	80	12.5	INSTALL SIGNAL HEADS ON POLES AT WB MADISON Ave
⑥	Sac	80	12.5	INSTALL SIGNAL HEADS ON POLES AT EB MADISON Ave
⑦⑧	Sac	160	L7.0	INSTALL INTELLIGENT TRANSPORTATION SYSTEM AT SHERMAN ISLAND Rd



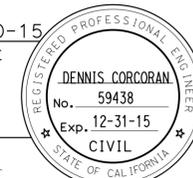
PROJECT MANAGER
SAMUEL JORDAN

DESIGN MANAGER
MIKE HAGEN

1 REPLACED PER ADDENDUM No. 1 DATED APRIL 30, 2015

NO SCALE

Dennis J. Corcoran 1-20-15
 PROJECT ENGINEER DATE
 REGISTERED CIVIL ENGINEER



January 20, 2015
 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.	03-4F2704
PROJECT ID	0314000092

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Gle, Sac	16, 32, 50 80, 160	Var	11	32

Jaskaran Singh Boparai 1-20-15
REGISTERED ELECTRICAL ENGINEER DATE

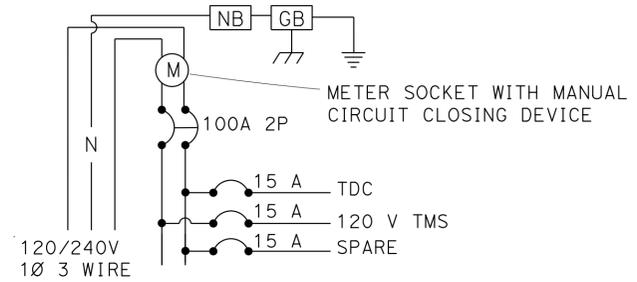
1-20-15
PLANS APPROVAL DATE

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.

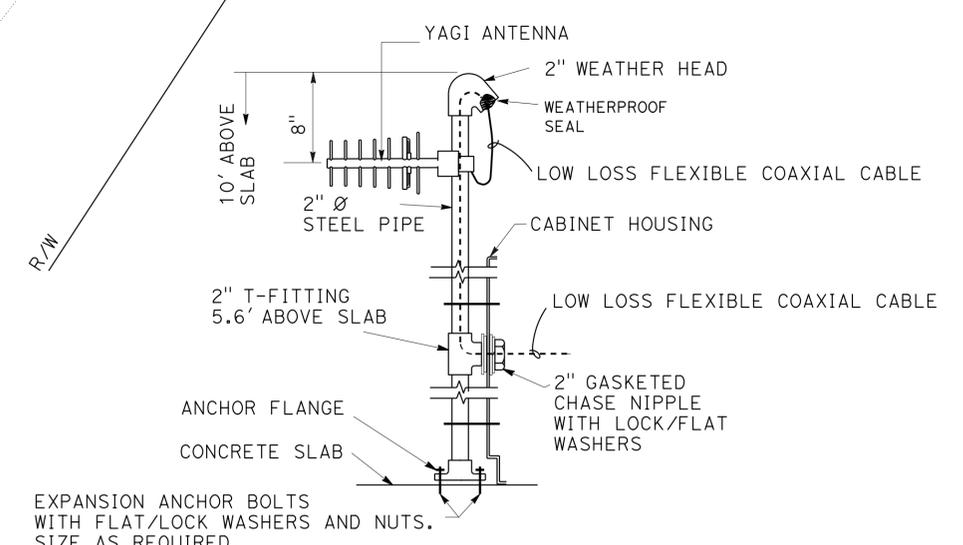
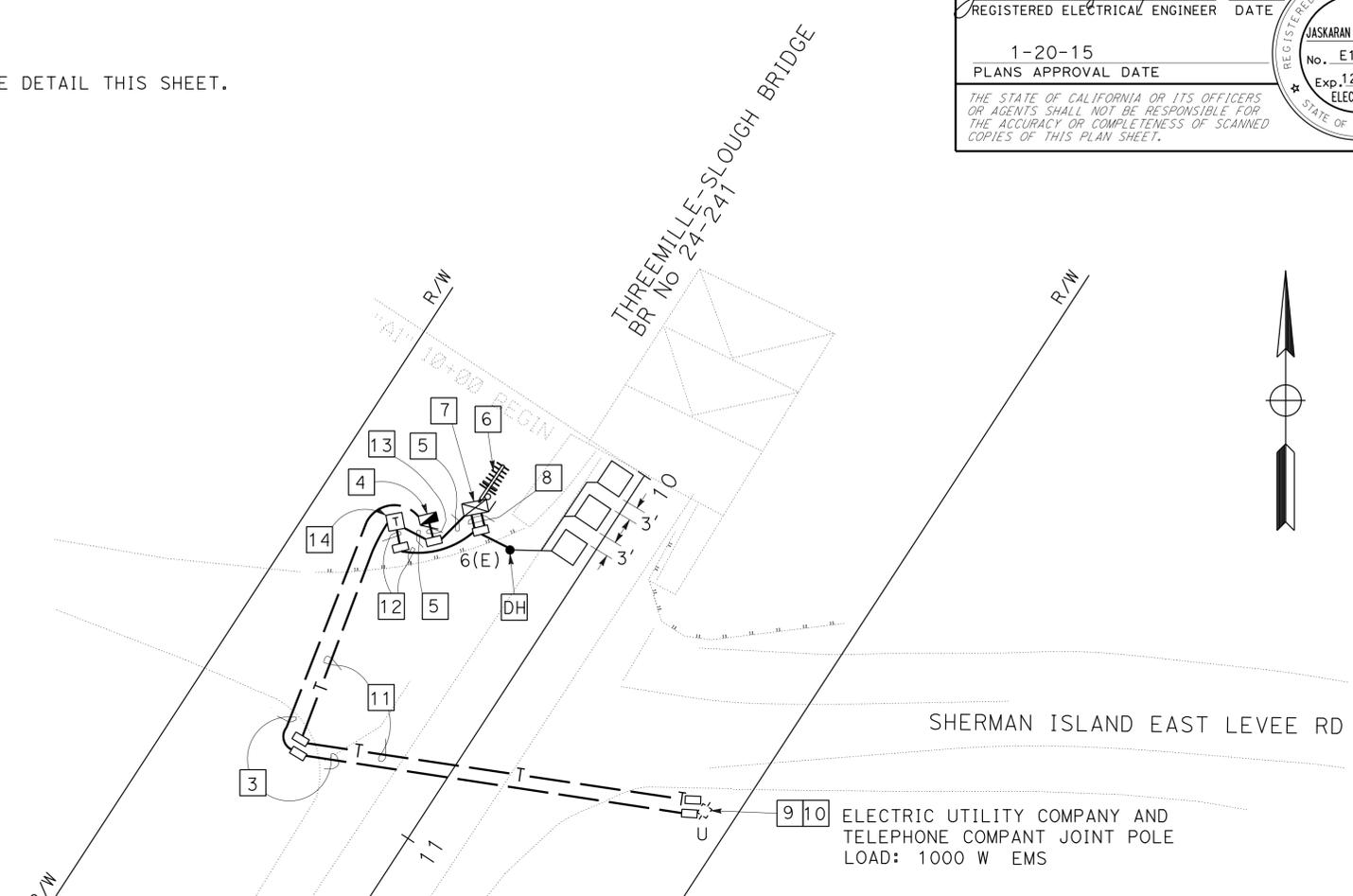
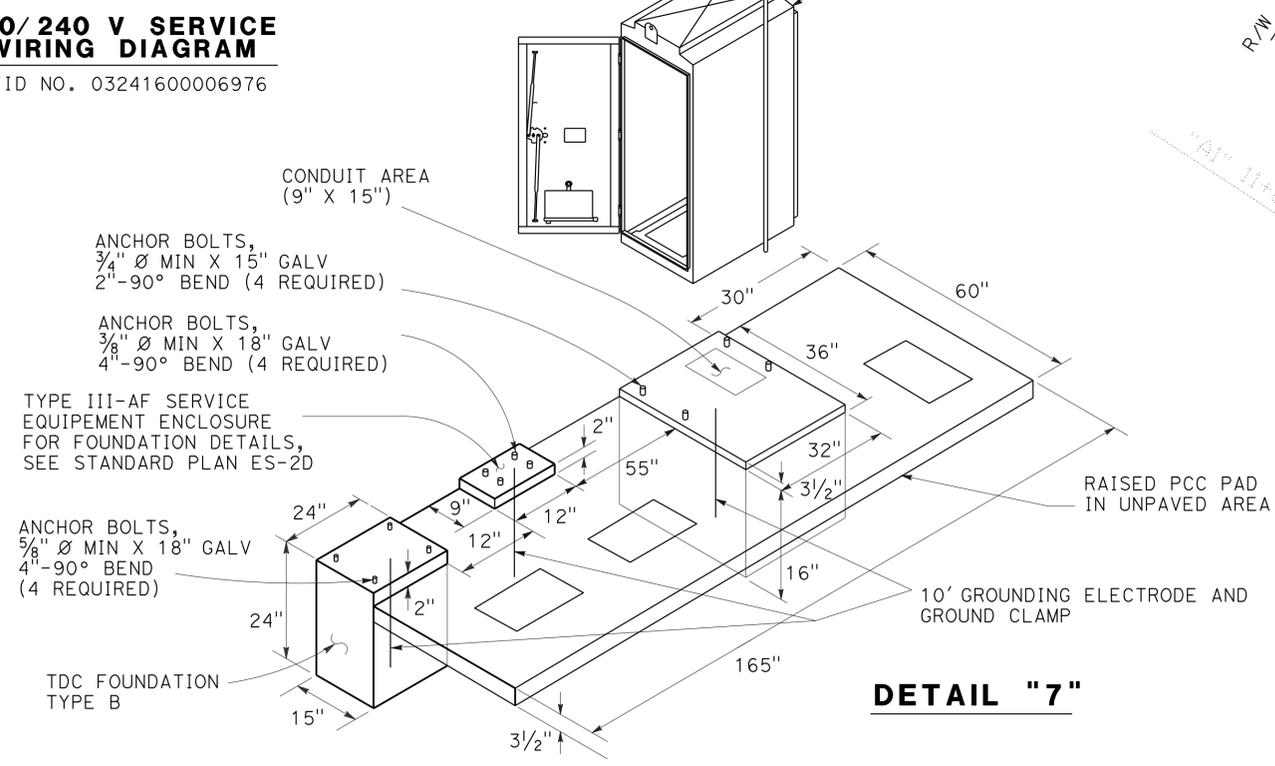
REGISTERED PROFESSIONAL ENGINEER
JASKARAN S. BOPARAI
No. E15056
Exp. 12-31-15
ELECTRICAL
STATE OF CALIFORNIA

NOTES:

- FOR COMPLETE PROPERTY BOUNDARY DATA, SEE R/W RECORD MAPS AT DISTRICT OFFICE.
- NOT USE.
- 3"C, 3#2 (SERVICE).
- INSTALL TYPE III-A SERVICE EQUIPMENT ENCLOSURE CTID No. 03241600006976. FOR SERVICE WIRING DIAGRAM SEE DETAIL THIS SHEET. FOR FOUNDATION DETAIL SEE DETAIL THIS SHEET.
- 2"C, 2#8.
- INSTAL DEPARTMENT FURNISHED YAGI ANTENNA MOUNTED ON TYPE 334 CABINET PER DETAIL "7" THIS SHEET. **1**
- INSTALL TYPE 334 CONTROLLER ASSEMBLY. FOR FOUNDATION DETAIL SEE DETAIL THIS SHEET. SEE SHEET E-9 FOR ELECTRONIC COMMUNICATION EQUIPMENT INSTALLATION.
- 2-3"C, 1 DLC, 1 TELEPHONE CABLE.
- INSTALL 2 SERVICE RISERS (SE CORNER) AS REQUIRED BY PG&E (RULE 16) AND TELEPHONE COMPANY.
- Exist SHARED UTILITY POLE.
- 2"C, CONDUIT WITH PULL ROPE ONLY (FRONTIER TELEPHONE).
- 2"C, 1 TELEPHONE CABLE.
- 2"C, 4#8.
- INSTALL TYPE B TELEPHONE DEMARCATION CABINET PER DETAIL ON STANDARD PLAN ES-3E. FOR FOUNDATION DETAIL SEE DETAIL THIS SHEET.
- SEE SHEET E-8 FOR CONTINUATION.



YAGI ANTENNA FOR MOUNTING DETAIL, SEE DETAIL "7A" THIS SHEET YAGI ANTENNA HAS TO BE IN DIRECT LINE OF SIGHT WITH OTHERS, SEE SHEET E-8 FOR LOCATION



1 REPLACED PER ADDENDUM No. 1 DATED APRIL 30, 2015

1 TRAFFIC MONITORING STATION
(LOCATION 7: SAC 160 PM L7.0)
NO SCALE

E-7

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Gle, Sac	16, 32, 50 80, 160	Var	12	32

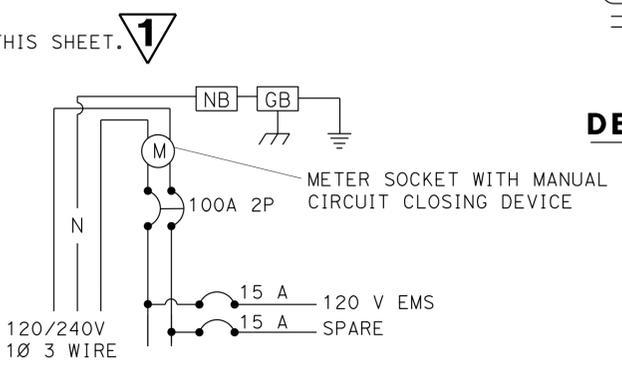
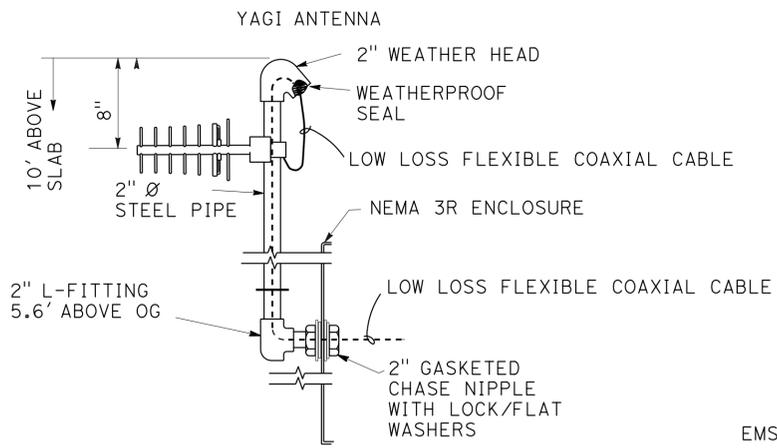
Jaskaran Singh Boparai 1-20-15
 REGISTERED ELECTRICAL ENGINEER DATE
 1-20-15
 PLANS APPROVAL DATE

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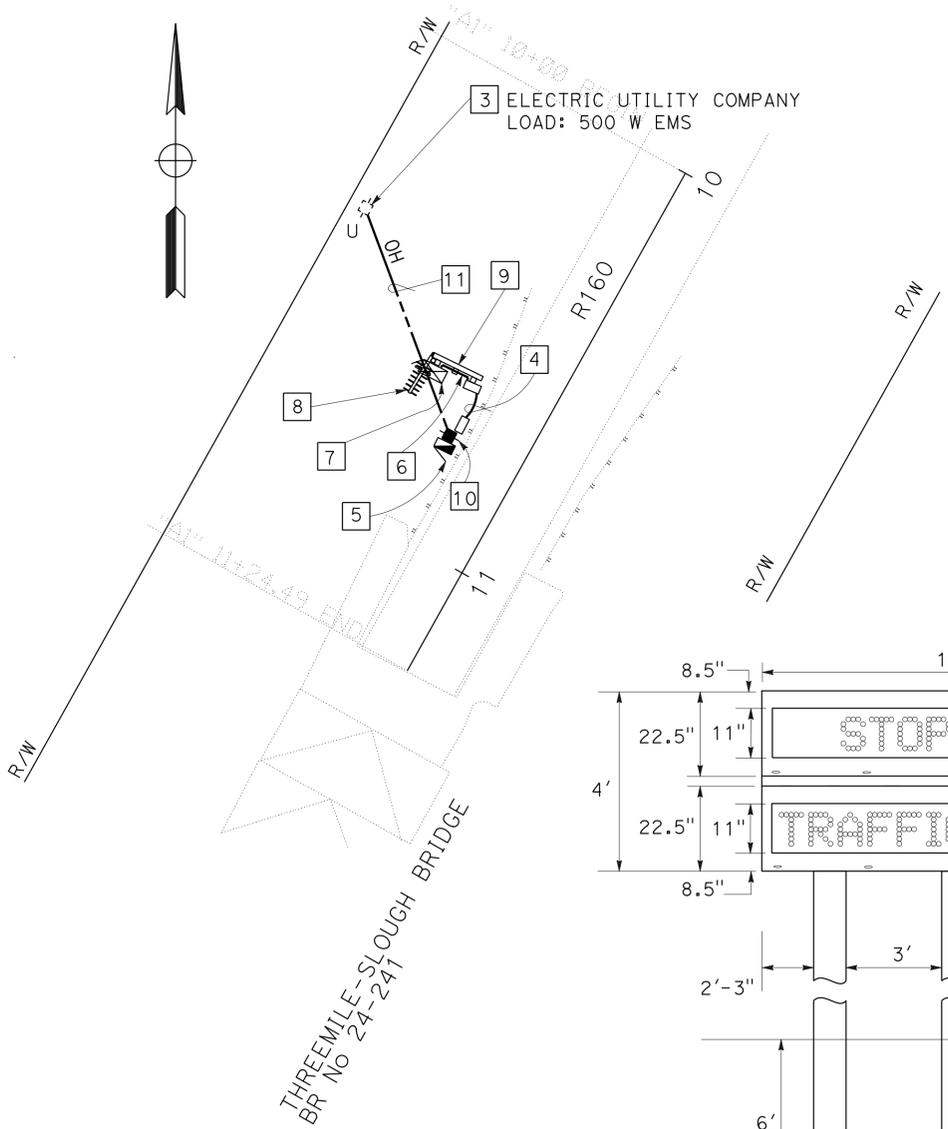
REGISTERED PROFESSIONAL ENGINEER
 JASKARAN S. BOPARAI
 No. E15056
 Exp. 12-31-15
 ELECTRICAL
 STATE OF CALIFORNIA

NOTES:

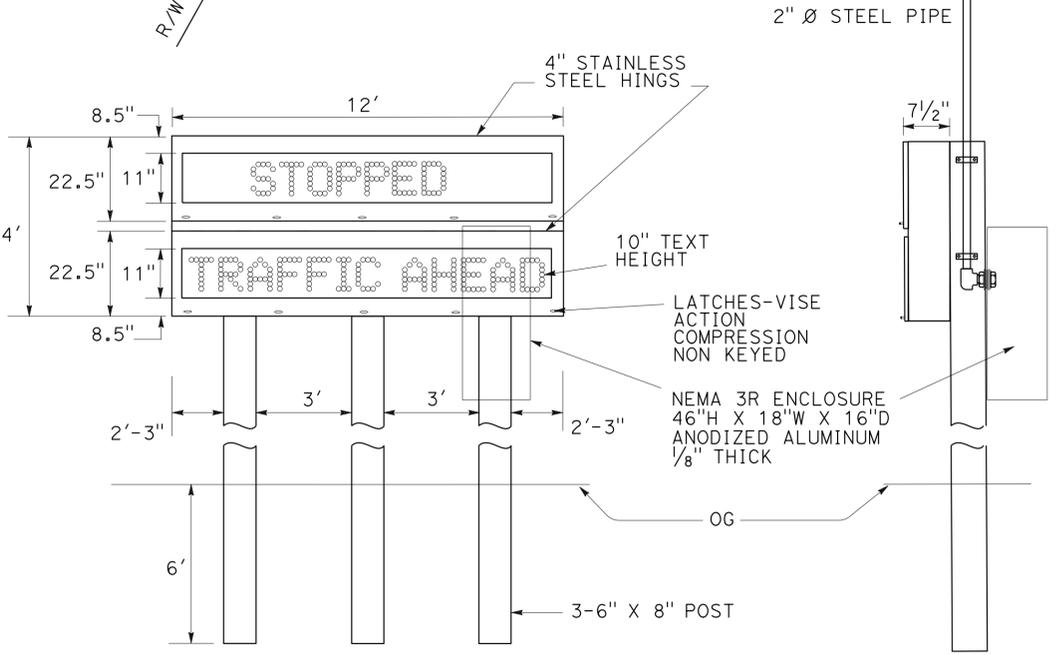
- FOR COMPLETE PROPERTY BOUNDARY DATA, SEE R/W RECORD MAPS AT DISTRICT OFFICE.
- NOT USE.
- EXIST SHARED UTILITY POLE.
- 2"C, 2#8.
- INSTALL TYPE SCE-1 SERVICE EQUIPMENT ENCLOSURE CTID No. 03241600007118 PER STANDARD PLAN ES-2A. FOR SERVICE WIRING DIAGRAM SEE DETAIL THIS SHEET.
- 1 1/2"C (TYPE 1), 1 ANTENNA CABLE.
- INSTALL NEMA 3R ENCLOSURE 46"H X 18"W X 16"D ANODIZED ALUMINUM 1/8" THICK PER DETAIL THIS SHEET FOR EMS AND YAGI ANTENNA. INSTALL 2 BLACK NEMA 5-15P, 120VAC, 15A, 2-POLE, 3-WIRE GROUNDING, UL 62 STANDARD CORDED PLUGS, EACH WITH 15A CB WITH FOURPLEX OUTLETS FOR EMS CONTROLS. SEE SHEET E-9 FOR ELECTRONIC COMMUNICATION EQUIPMENT INSTALLATION.
- INSTALL DEPARTMENT FURNISHED YAGI ANTENNA MOUNTED ON EMS WOOD POST PER DETAIL THIS SHEET.
- INSTALL TRAFFIC ACTUATED EXTINGUIHABLE MESSAGE SIGN (LED) PER DETAIL THIS SHEET.
- INSTALL 35' WOOD POLE FOR PG&E.
- OVERHEAD SERVICE DROP BY PG&E.



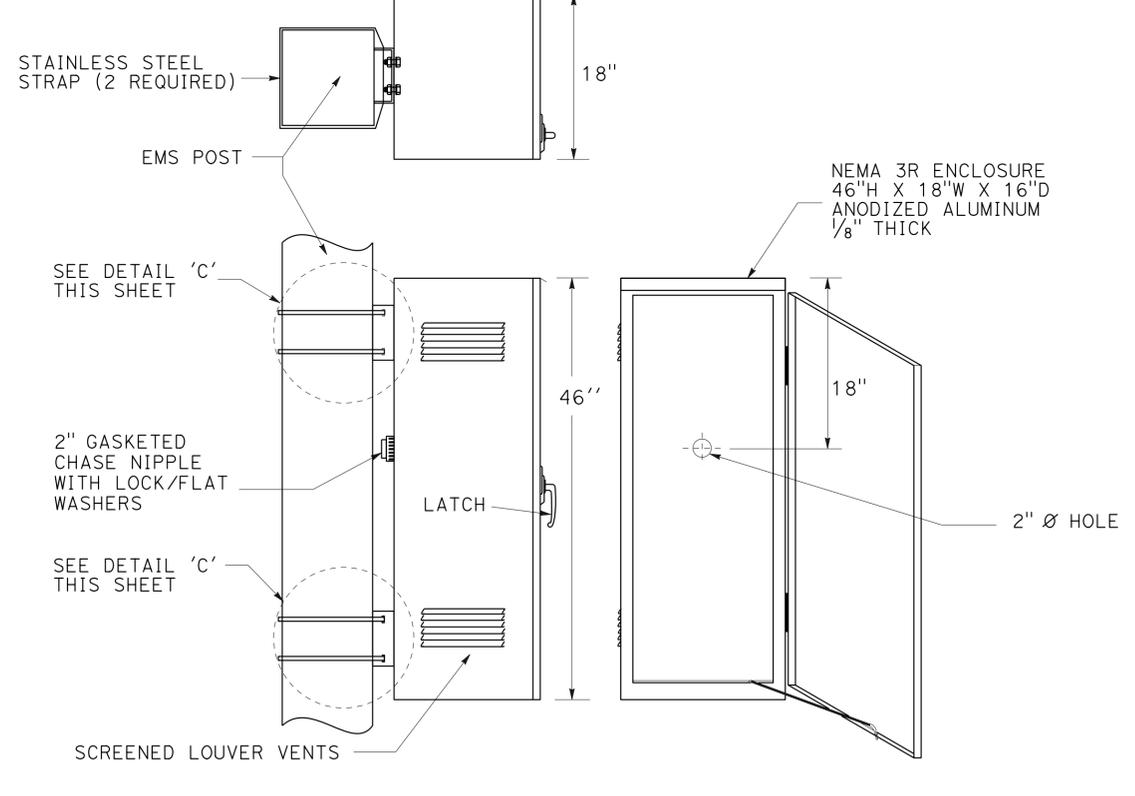
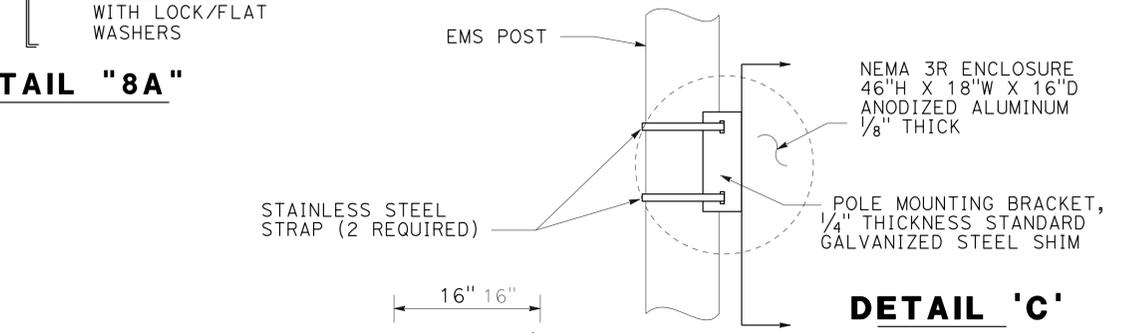
120/ 240 V SERVICE WIRING DIAGRAM
CTID NO. 03241600007118



YAGI ANTENNA FOR MOUNTING DETAIL, SEE DETAIL "8A" THIS SHEET. YAGI ANTENNA HAS TO BE IN DIRECT LINE OF SIGHT WITH OTHERS, SEE SHEET E-7 FOR LOCATION.



TRAFFIC ACTUATED EMS (LED)



EMS CABINET DETAILS
46"H X 18"W X 16"D

TRAFFIC ACTUATED EXTINGUIHABLE MESSAGE SIGN (LED) SYSTEM

(LOCATION 8: SAC 160 PM L7.0)

NO SCALE

1 REPLACED PER ADDENDUM No. 1 DATED APRIL 30, 2015

APPROVED FOR ELECTRICAL WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
 ELECTRICAL DESIGN

FUNCTIONAL SUPERVISOR
 NELSON LEE

CALCULATED-DESIGNED BY
 CHECKED BY

YOUNG TON
 JASKARAN S. BOPARAI

REVISED BY
 DATE REVISED

REVISIONS

1

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Gle,Sac	16,32,50 80,160	Var	14	32

Jaskaran Singh Boparai 1-20-15
 REGISTERED ELECTRICAL ENGINEER DATE

1-20-15
 PLANS APPROVAL DATE

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JASKARAN S. BOPARAI
 No. E15056
 Exp. 12-31-15
 ELECTRICAL

ELECTRICAL QUANTITIES

SHEET No.	#14	#2	#8	#10	35' WOOD POLE	DLC	TYPE A LOOP	TYPE D LOOP	No. 6(E) PB	No. 5 PB	No. 6 PB	T&B IN STREET BY MACHINE 30" DEEP	2" PVC CONDUIT SCH40	3" PVC CONDUIT SCH40	TYPE 15-FBS	TYPE LED LUMINAIRE	2" TERMINATE PVC CONDUIT SCH40	3" TERMINATE PVC CONDUIT SCH40	TYPE SCE-1 SERVICE CABINET	TYPE III-AF SERVICE CABINET	TDC	TELE-PHONE CABLE	PULL ROPE	1/2" CONDUIT TYPE 1	
	FT	FT	FT	FT	EA	FT	EA	EA	EA	EA	EA	FT	FT	FT	EA	EA	EA	EA	EA	EA	EA	FT	FT	FT	
E-1	30															4									
E-2			280							2		400	400		1		4								
E-3	100			20								10	10				2								
E-4						1000	15	3			1						5								
E-5	80															4									
E-6	80															4									
E-7		600	50			10	3		1	6		200	200	150			13	4			1	1	20		
E-8			40		1					2		20							1				160	20	

NOTE: ITEMS SHOWN IN TABLE ARE NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY.

1 REPLACED PER ADDENDUM No. 1 DATED APRIL 30, 2015

ELECTRICAL QUANTITIES

E-10