Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	But,Sut	99	Var	1	153

1 ACNH-P099(609)E

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PROJECT PLANS FOR CONSTRUCTION ON
STATE HIGHWAY

IN BUTTE AND SUTTER COUNTIES
AT VARIOUS LOCATIONS

TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2010

INDEX OF PLANS

SHEET No.	DESCRIPTION
1	TITLE AND LOCATION MAP
2	TYPICAL CROSS SECTIONS
3-10	LAYOUTS
11-35	CONSTRUCTION DETAILS
36-39	DRAINAGE PLANS, PROFILES AND QUANTITIES
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49	CONSTRUCTION AREA SIGNS
50-56	PAVEMENT DELINEATION PLANS AND SIGN PLAN
57	PAVEMENT DELINEATION DETAILS AND QUANTITIES
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61-64	SUMMARY OF QUANTITIES
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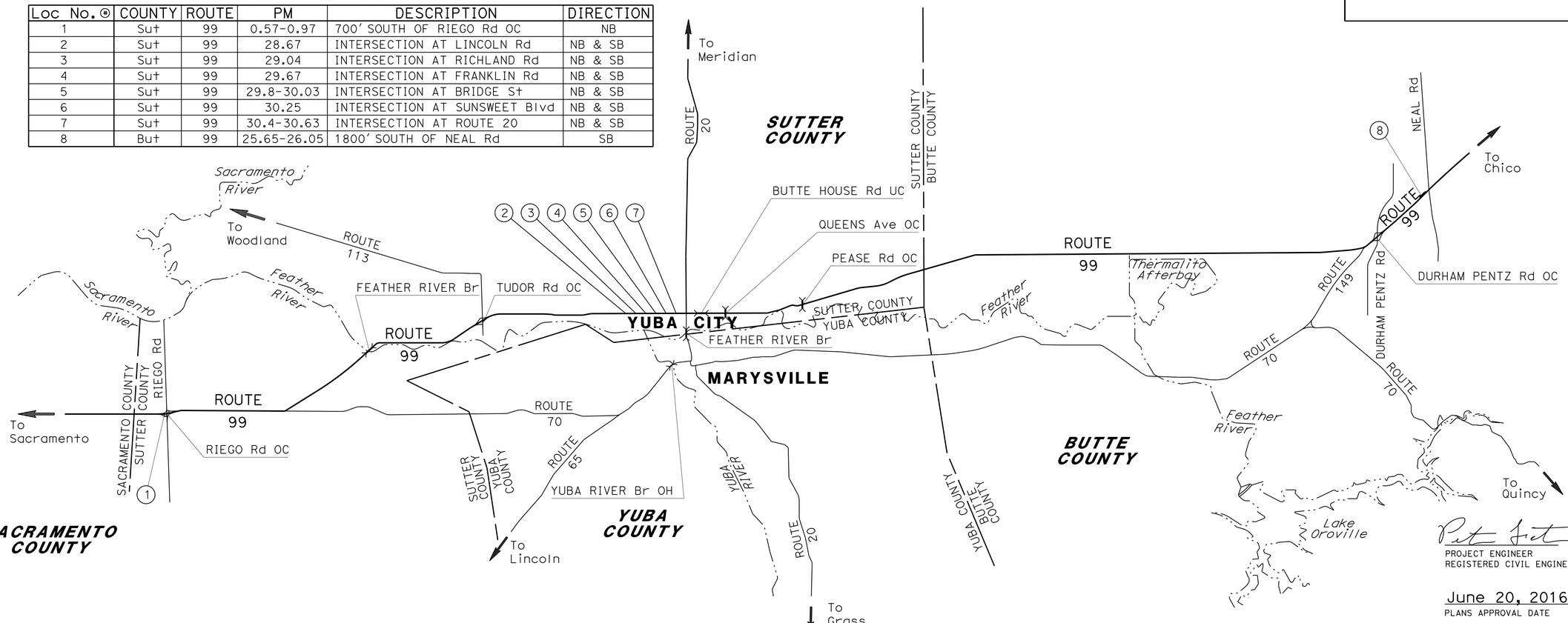
THE STANDARD PLANS LIST APPLICABLE TO THIS CONTRACT IS INCLUDED IN THE NOTICE TO BIDDERS AND SPECIAL PROVISIONS BOOK.

LOCATION MAP

LOCATIONS OF CONSTRUCTION

Loc No. ⊛	COUNTY	ROUTE	PM	DESCRIPTION	DIRECTION
1	Sut	99	0.57-0.97	700' SOUTH OF RIEGO Rd OC	NB
2	Sut	99	28.67	INTERSECTION AT LINCOLN Rd	NB & SB
3	Sut	99	29.04	INTERSECTION AT RICHLAND Rd	NB & SB
4	Sut	99	29.67	INTERSECTION AT FRANKLIN Rd	NB & SB
5	Sut	99	29.8-30.03	INTERSECTION AT BRIDGE St	NB & SB
6	Sut	99	30.25	INTERSECTION AT SUNSWEET Blvd	NB & SB
7	Sut	99	30.4-30.63	INTERSECTION AT ROUTE 20	NB & SB
8	But	99	25.65-26.05	1800' SOUTH OF NEAL Rd	SB



NO SCALE

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

1 REPLACED PER ADDENDUM No. 1 DATED NOVEMBER 7, 2016

PROJECT MANAGER: SERGIO ACEVES
DESIGN MANAGER: DEANN SPANGLER

PROJECT ENGINEER — DATE 6-20-16
REGISTERED CIVIL ENGINEER

June 20, 2016
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — PETER FORTUNE — No. C 65464 — Exp. 09-30-17 — CIVIL — 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.

CONTRACT No.	03-1F9704
PROJECT ID	0300020469

LAST REVISION 5-12-16
DATE PLOTTED => 01-NOV-2016
TIME PLOTTED => 14:41

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	But,Sut	99	Var	68	153

Chamkaur Singh Dhatt 6-20-16
REGISTERED ELECTRICAL ENGINEER DATE

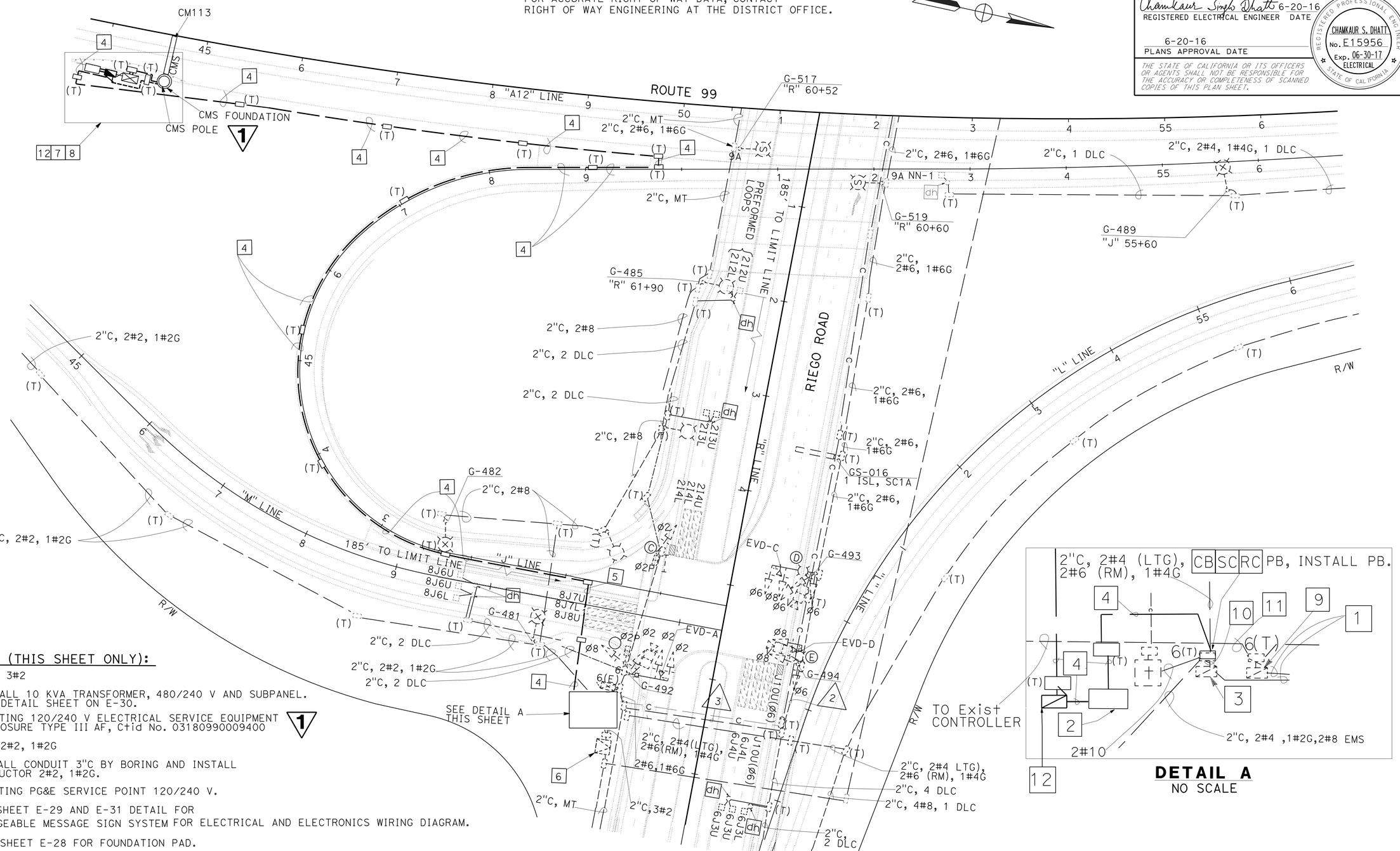
6-20-16
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CHAMKAUR S. DHATT
No. E15956
Exp. 06-30-17
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.

NOTE:

FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



DETAIL A
NO SCALE

LEGEND (THIS SHEET ONLY):

1. 2" C, 3#2
2. INSTALL 10 KVA TRANSFORMER, 480/240 V AND SUBPANEL. SEE DETAIL SHEET ON E-30.
3. EXISTING 120/240 V ELECTRICAL SERVICE EQUIPMENT ENCLOSURE TYPE III AF, Ctid No. 03180990009400
4. 2"C, 2#2, 1#2G
5. INSTALL CONDUIT 3"C BY BORING AND INSTALL CONDUCTOR 2#2, 1#2G.
6. EXISTING PG&E SERVICE POINT 120/240 V.
7. SEE SHEET E-29 AND E-31 DETAIL FOR CHANGEABLE MESSAGE SIGN SYSTEM FOR ELECTRICAL AND ELECTRONICS WIRING DIAGRAM.
8. SEE SHEET E-28 FOR FOUNDATION PAD.
9. EXISTING SUTTER COUNTY SERVICE ENCLOSURE.
10. 3"C, 2#2 (S/W LTG), 2#4 (N LTG), 2#6 (N RM), 2#10 (TDC), 1#2G, 2#8 (EMS). ADD 2#2 FOR SUBPANEL.
11. 3"C, 2#6 (LTG), 2#8 (SIG CABINET), 1#6G.
12. INSTALL TYPE ELECTRICAL SERVCE EQUIPMENT ENCLOSURE III D-SERIES.SEE DETAIL PLAN E-29.
12. SEE PLAN C23 FOR MVP DETAILS.

1 REPLACED PER ADDENDUM No. 1 DATED NOVEMBER 7, 2016

APPROVED FOR ELECTRICAL WORK ONLY

CHANGEABLE MESSAGE SIGN SYSTEM

SCALE: 1" = 50'

E-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
ELECTRICAL DESIGN

FUNCTIONAL SUPERVISOR: STEVEN BLOCK
CALCULATED-DESIGNED BY: SIAVASH HAKKAKIAN
CHECKED BY: CHAMKAUR DHATT
REVISED BY / DATE REVISED

LAST REVISION 05-13-16 | DATE PLOTTED => 01-NOV-2016 | TIME PLOTTED => 14:41

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	But,Sut	99	Var	69	153

Chamkaur Singh Dhatt 6-20-16
REGISTERED ELECTRICAL ENGINEER DATE

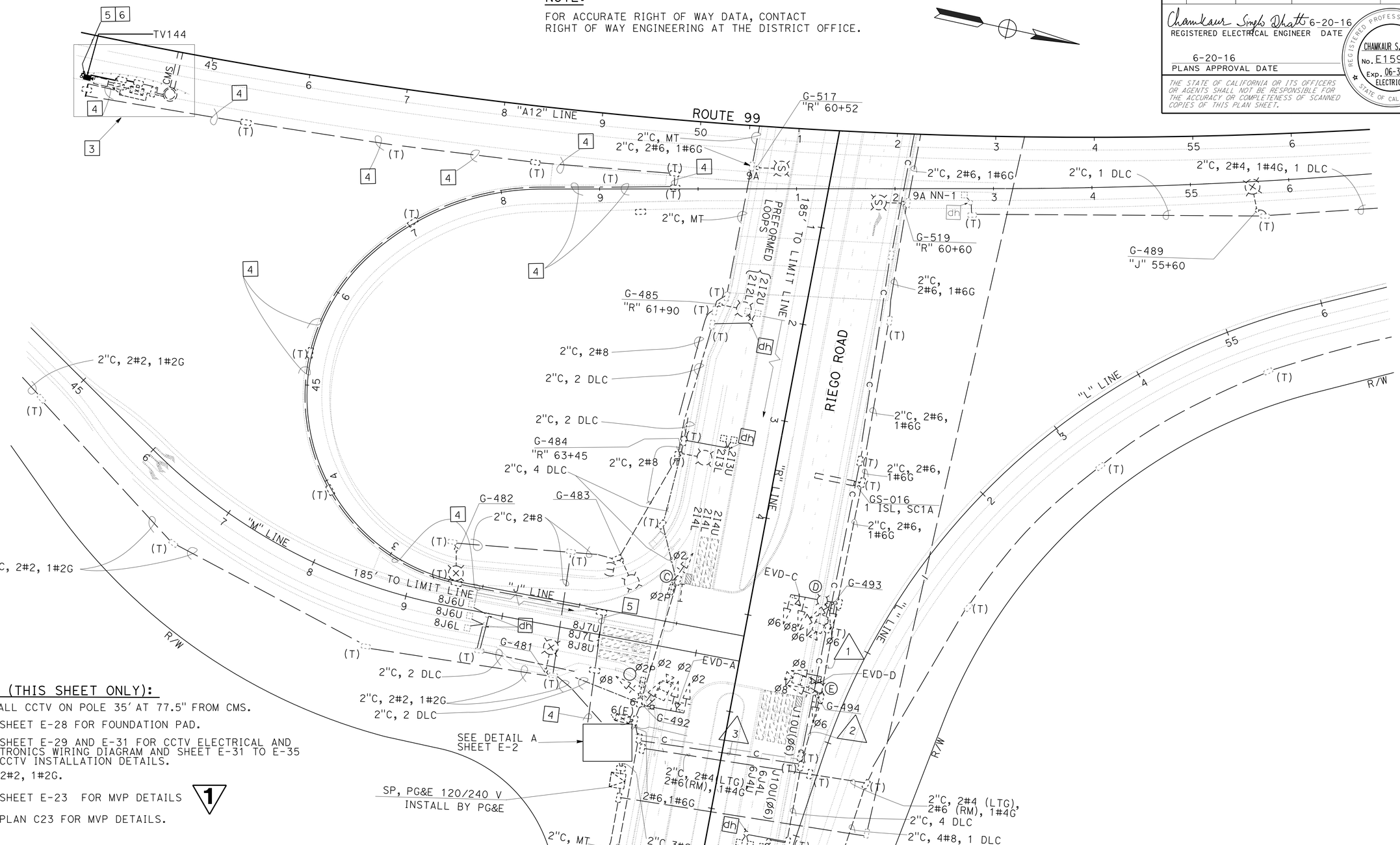
6-20-16
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CHAMKAUR S. DHATT
No. E15956
Exp. 06-30-17
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.

NOTE:

FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



LEGEND (THIS SHEET ONLY):

1. INSTALL CCTV ON POLE 35' AT 77.5" FROM CMS.
2. SEE SHEET E-28 FOR FOUNDATION PAD.
3. SEE SHEET E-29 AND E-31 FOR CCTV ELECTRICAL AND ELECTRONICS WIRING DIAGRAM AND SHEET E-31 TO E-35 FOR CCTV INSTALLATION DETAILS.
4. 2"C, 2#2, 1#2G.
5. SEE SHEET E-23 FOR MVP DETAILS
6. SEE PLAN C23 FOR MVP DETAILS.

1 REPLACED PER ADDENDUM No. 1 DATED NOVEMBER 7, 2016

APPROVED FOR ELECTRICAL WORK ONLY

CLOSED CIRCUIT TELEVISION SYSTEM

SCALE: 1" = 50'

E-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
ELECTRICAL DESIGN

FUNCTIONAL SUPERVISOR: STEVEN BLOCK
CALCULATED-DESIGNED BY: SIAVASH HAKKAKIAN
CHECKED BY: CHAMKAUR DHATT
REVISED BY / DATE REVISED

LAST REVISION 05-13-16 | DATE PLOTTED => 01-NOV-2016 | TIME PLOTTED => 14:41

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	But,Sut	99	Var	70	153

Chamkaur Singh Dhatt 6-20-16
REGISTERED ELECTRICAL ENGINEER DATE

6-20-16
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CHAMKAUR S. DHATT No. E15956 Exp. 06-30-17 ELECTRICAL STATE OF CALIFORNIA

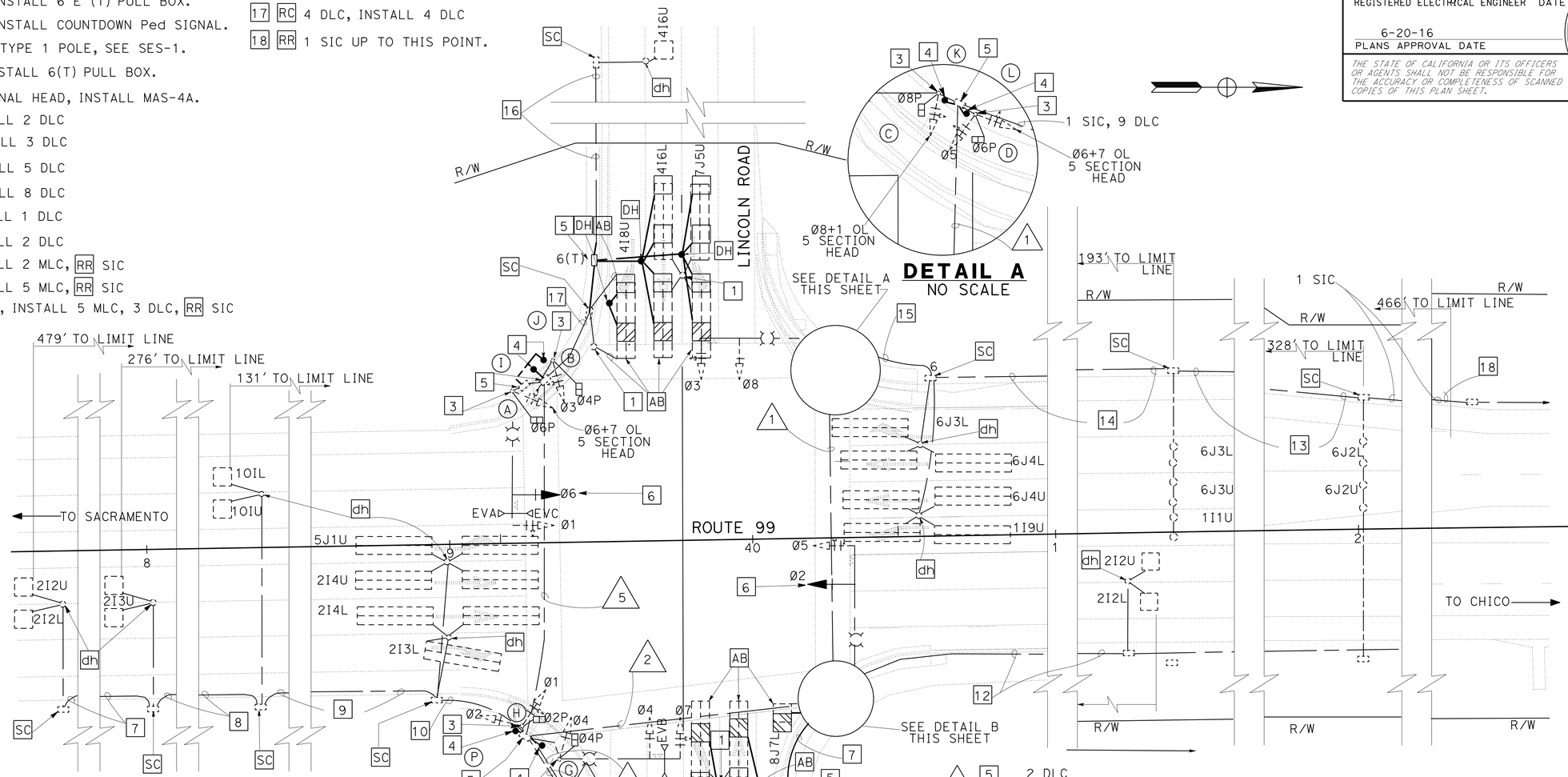
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

LEGEND (THIS SHEET ONLY):

1. RC dh
2. RC Ped SIGNAL, INSTALL 6 E (T) PULL BOX.
3. RS Ped SIGNAL, INSTALL COUNTDOWN Ped SIGNAL.
4. INSTALL APS ON TYPE 1 POLE, SEE SES-1.
5. RC PULL BOX, INSTALL 6(T) PULL BOX.
6. RC EXISTING SIGNAL HEAD, INSTALL MAS-4A.
7. RC 2 DLC, INSTALL 2 DLC
8. RC 3 DLC, INSTALL 3 DLC
9. RC 5 DLC, INSTALL 5 DLC
10. RC 8 DLC, INSTALL 8 DLC
11. RC 1 DLC, INSTALL 1 DLC
12. RC 2 DLC, INSTALL 2 DLC
13. RC 2 MLC, INSTALL 2 MLC, RR SIC
14. RC 5 MLC, INSTALL 5 MLC, RR SIC
15. RC 5 MLC, 4 DLC, INSTALL 5 MLC, 3 DLC, RR SIC
16. RC 1 DLC, INSTALL 1 DLC
17. RC 4 DLC, INSTALL 4 DLC
18. RR 1 SIC UP TO THIS POINT.

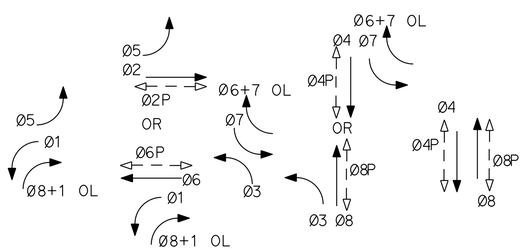
NOTE:

FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



DETAIL A
NO SCALE

DETAIL B
NO SCALE



EXISTING PHASING DIAGRAM

EXISTING EVP DESIGNATION

EVA = Ø2 + Ø5
EVB = Ø4 + Ø7
EVC = Ø1 + Ø6
EVD = Ø3 + Ø8

EXISTING TYPE III-AF SERVICE EQUIPMENT ENCLOSURE
Ctid No. 03180990028670. SEE SHEET E-5 FOR SERVICE WIRING DIAGRAM.

SIGNAL AND LIGHTING

APPROVED FOR ELECTRICAL WORK ONLY

1 REPLACED PER ADDENDUM No. 1 DATED NOVEMBER 7, 2016

MODIFYING EXISTING ELECTRICAL SYSTEM

SCALE: 1" = 20'

E-4

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans ELECTRICAL DESIGN

FUNCTIONAL SUPERVISOR: STEVEN BLOCK
CALCULATED-DESIGNED BY: SIAVASH HAKKAKIAN
CHECKED BY: CHAMKAUR DHATT
REVISED BY / DATE REVISED

LAST REVISION 05-13-16 | DATE PLOTTED => 01-NOV-2016 | TIME PLOTTED => 14:41

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Sut, But	99	Var	79	153

Chamkaur Singh Dhatt 6-20-16
REGISTERED ELECTRICAL ENGINEER DATE

6-20-16
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CHAMKAUR S. DHATT No. E15956 Exp. 06-30-17 ELECTRICAL STATE OF CALIFORNIA

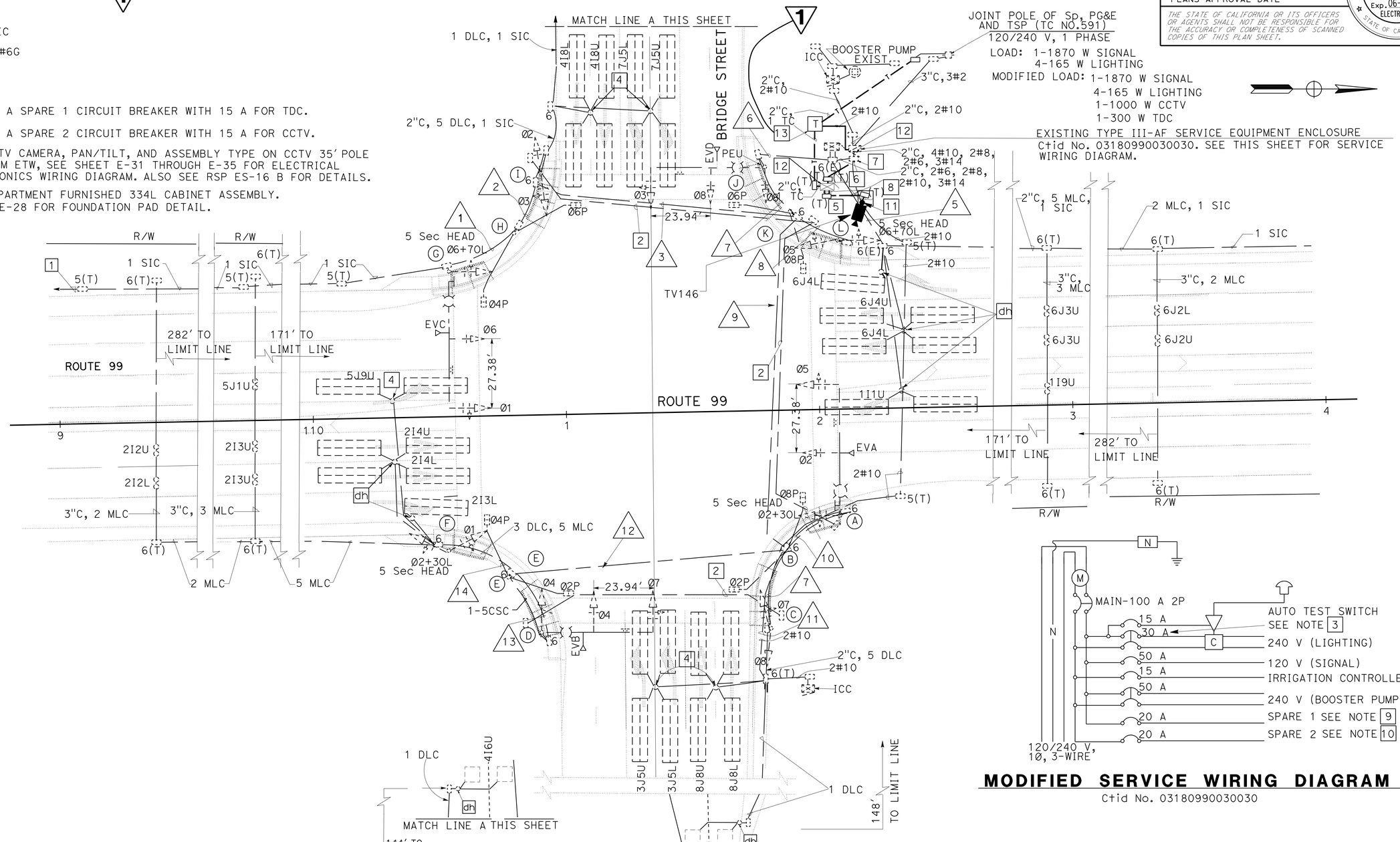
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

LEGEND (THIS SHEET ONLY):

1. 1 SIC ABOUT 1804′ TO THE CONTROLLER CABINET LOCATED AT SW CORNER OF FRANKLIN Rd AND ROUTE 99.
2. 3"C, MT, YUBA CITY, FUTURE CCTV AUTOMATED RED LIGHT ENFORCEMENT.
3. SEE LEGEND 3 ON PLAN E-7 (1)
4. dh
5. 2-3"C, 1 CIC
6. 2"C, 2#6, 1#6G
7. CB
8. 2"C, 1 CIC
9. REPLACE 20 A SPARE 1 CIRCUIT BREAKER WITH 15 A FOR TDC.
10. REPLACE 20 A SPARE 2 CIRCUIT BREAKER WITH 15 A FOR CCTV.
11. INSTALL CCTV CAMERA, PAN/TILT, AND ASSEMBLY TYPE ON CCTV 35′ POLE AND 30′ FROM ETW, SEE SHEET E-31 THROUGH E-35 FOR ELECTRICAL AND ELECTRONICS WIRING DIAGRAM. ALSO SEE RSP ES-16 B FOR DETAILS.
12. INSTALL DEPARTMENT FURNISHED 334L CABINET ASSEMBLY. SEE SHEET E-28 FOR FOUNDATION PAD DETAIL.
13. INSTALL TDC TYPE B. (1)

NOTE:

FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



MODIFIED SERVICE WIRING DIAGRAM

Ctid No. 03180990030030

(1) REPLACED PER ADDENDUM No. 1 DATED NOVEMBER 7, 2016

CLOSED CIRCUIT TELEVISION SYSTEM

SCALE: 1" = 20′

E-13

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® ELECTRICAL DESIGN

FUNCTIONAL SUPERVISOR: STEVEN BLOCK
CALCULATED-DESIGNED BY: SIAVASH HAKKAKIAN
CHECKED BY: CHAMKAUR DHATT
REVISED BY / DATE REVISED

LAST REVISION 05-13-16
DATE PLOTTED => 01-NOV-2016
TIME PLOTTED => 14:41

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	But, Sut	99	Var	80	153

REGISTERED ELECTRICAL ENGINEER 6-20-16 DATE

6-20-16
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CHAMKAUR S. DHATT No. E15956 Exp. 06-30-17 ELECTRICAL STATE OF CALIFORNIA

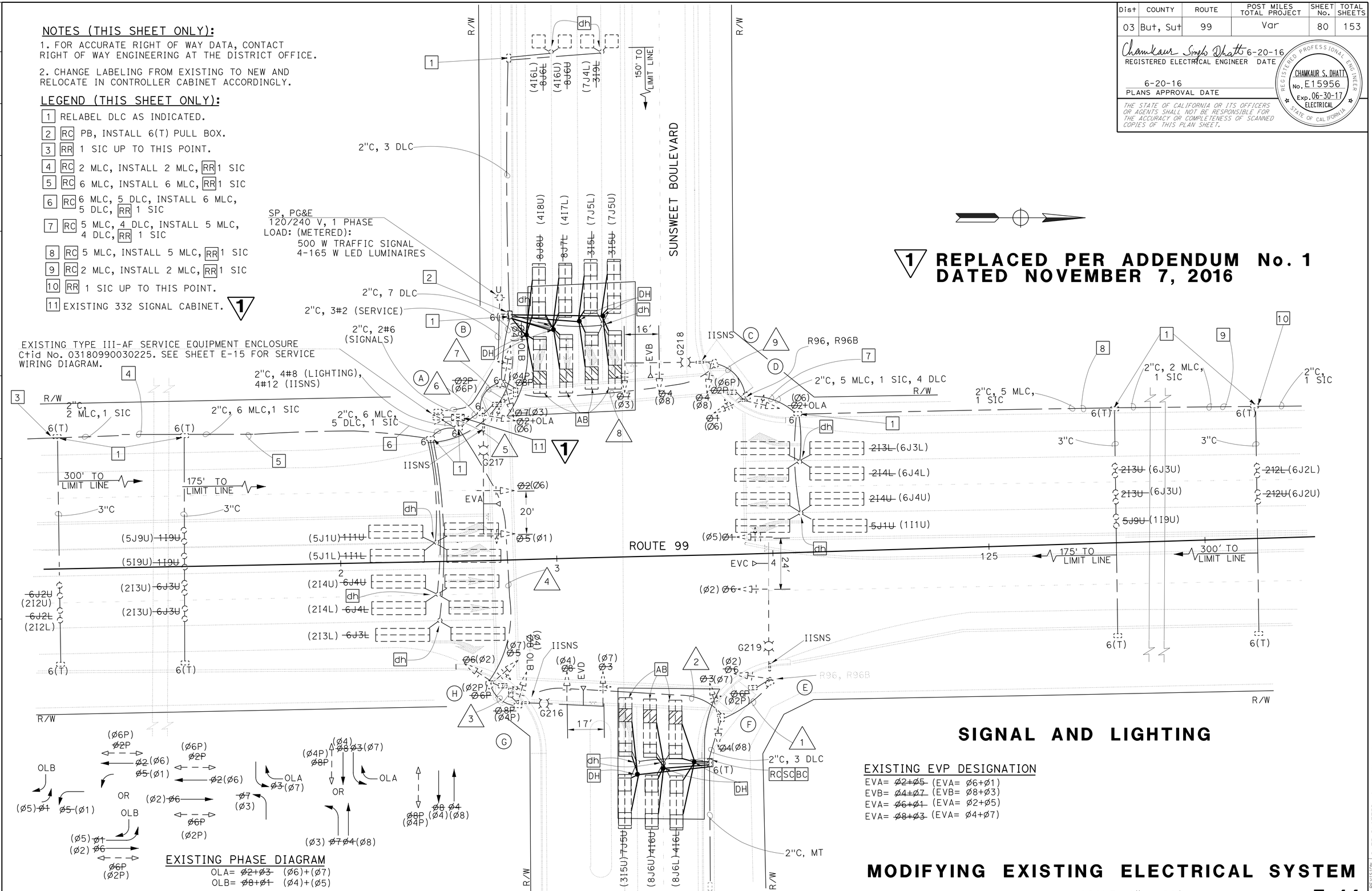
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES (THIS SHEET ONLY):

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. CHANGE LABELING FROM EXISTING TO NEW AND RELOCATE IN CONTROLLER CABINET ACCORDINGLY.

LEGEND (THIS SHEET ONLY):

1. RELABEL DLC AS INDICATED.
2. RC PB, INSTALL 6(T) PULL BOX.
3. RR 1 SIC UP TO THIS POINT.
4. RC 2 MLC, INSTALL 2 MLC, RR 1 SIC
5. RC 6 MLC, INSTALL 6 MLC, RR 1 SIC
6. RC 6 MLC, 5 DLC, INSTALL 6 MLC, 5 DLC, RR 1 SIC
7. RC 5 MLC, 4 DLC, INSTALL 5 MLC, 4 DLC, RR 1 SIC
8. RC 5 MLC, INSTALL 5 MLC, RR 1 SIC
9. RC 2 MLC, INSTALL 2 MLC, RR 1 SIC
10. RR 1 SIC UP TO THIS POINT.
11. EXISTING 332 SIGNAL CABINET. 1



1 REPLACED PER ADDENDUM No. 1 DATED NOVEMBER 7, 2016

EXISTING PHASE DIAGRAM

OLA= ~~Ø2+Ø3~~ (Ø6)+(Ø7)
OLB= ~~Ø8+Ø1~~ (Ø4)+(Ø5)

SIGNAL AND LIGHTING

EXISTING EVP DESIGNATION

EVA= ~~Ø2+Ø5~~ (EVA= Ø6+Ø1)
EVB= ~~Ø4+Ø7~~ (EVB= Ø8+Ø3)
EVA= ~~Ø6+Ø1~~ (EVA= Ø2+Ø5)
EVA= ~~Ø8+Ø3~~ (EVA= Ø4+Ø7)

MODIFYING EXISTING ELECTRICAL SYSTEM

SCALE: 1" = 20'

E-14

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans ELECTRICAL DESIGN

FUNCTIONAL SUPERVISOR: STEVEN BLOCK
CALCULATED-DESIGNED BY: SIAVASH HAKKAKIAN
CHECKED BY: CHAMKAUR DHATT
REVISED BY
DATE REVISED

LAST REVISION 05-13-16 | DATE PLOTTED => 01-NOV-2016 | TIME PLOTTED => 14:41

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	But, Sut	99	Var	87	153

Chamkaur Singh Dhatt 6-20-16
REGISTERED ELECTRICAL ENGINEER DATE

6-20-16
PLANS APPROVAL DATE

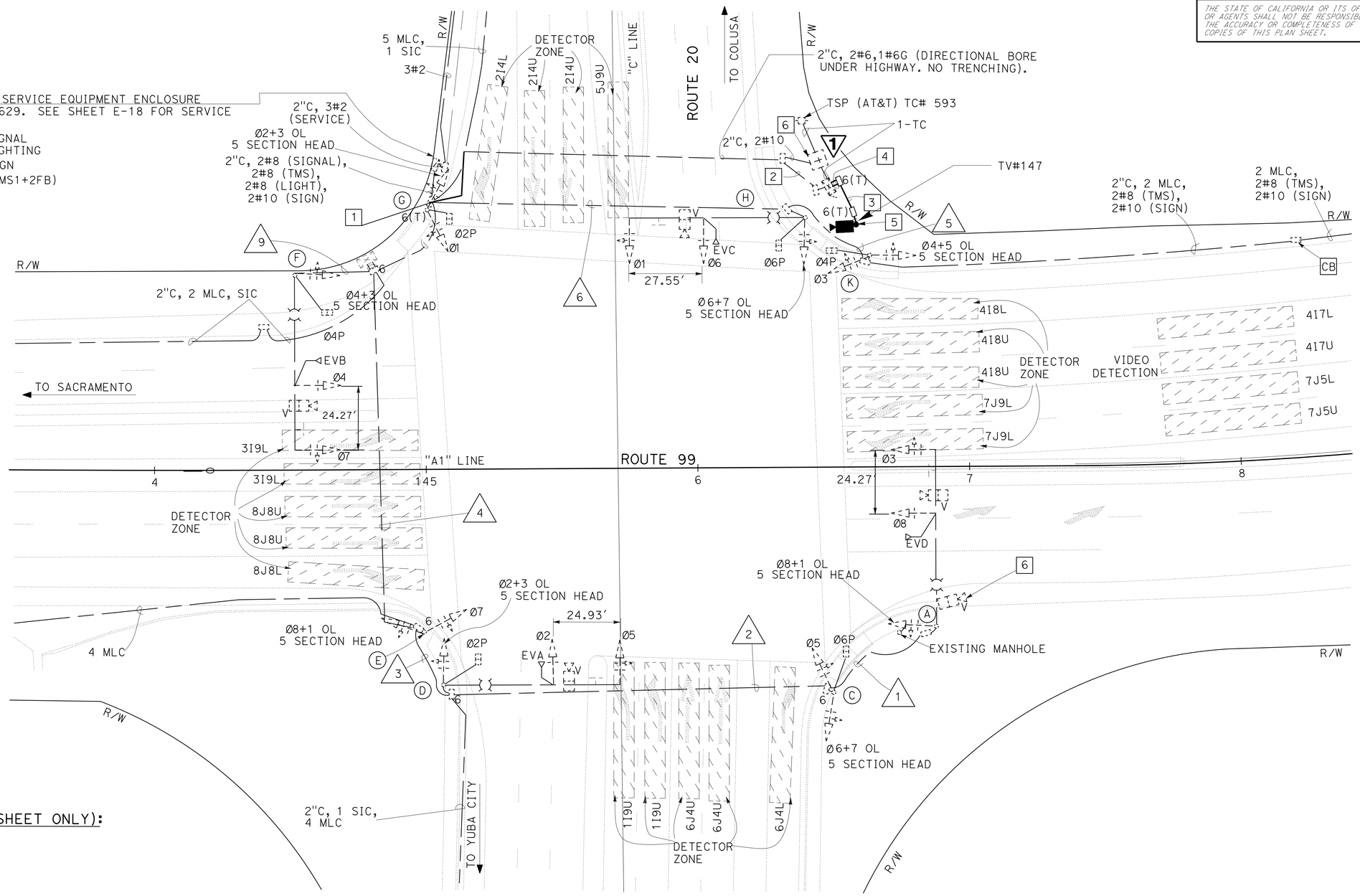
REGISTERED PROFESSIONAL ENGINEER CHAMKAUR S. DHATT No. E15956 Exp. 06-30-17 ELECTRICAL STATE OF CALIFORNIA

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.

NOTE:

FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

EXISTING TYPE III-AF SERVICE EQUIPMENT ENCLOSURE
Ctid No. 0318099T030629. SEE SHEET E-18 FOR SERVICE WIRING DIAGRAM.
LOAD: 1- 660 W SIGNAL
4- 235 W LIGHTING
1- 260 W SIGN
1- 315 W (TMS1+2FB)



LEGEND (THIS SHEET ONLY):

1. CB
2. 2"C, 2#6.
3. 2"C, 1 CIC.
4. 3"C, 1 CIC.
5. INSTALL CCTV CAMERA, PAN/TILT, AND ASSEMBLY TYPE ON CCTV 35' POLE AND 30' FROM ETW, SEE SHEET E-31 THROUGH E-35 FOR ELECTRICAL AND ELECTRONICS WIRING DIAGRAM. ALSO SEE ES-16 B FOR DETAILS.
6. EXISTING TYPE B TDC.

1 **REPLACED PER ADDENDUM No. 1 DATED NOVEMBER 7, 2016**

APPROVED FOR ELECTRICAL WORK ONLY

CLOSED CIRCUIT TELEVISION SYSTEM

SCALE: 1" = 20'

E-21

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans ELECTRICAL DESIGN

FUNCTIONAL SUPERVISOR: STEVEN BLOCK
CALCULATED-DESIGNED BY: SIAVASH HAKKAKIAN
CHECKED BY: CHAMKAUR DHATT
REVISED BY
DATE REVISED

LAST REVISION 05-13-16 | DATE PLOTTED => 01-NOV-2016 | TIME PLOTTED => 14:41

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	But,Sut	99	Var	126a	153

Theresa Gabriel
REGISTERED ELECTRICAL ENGINEER

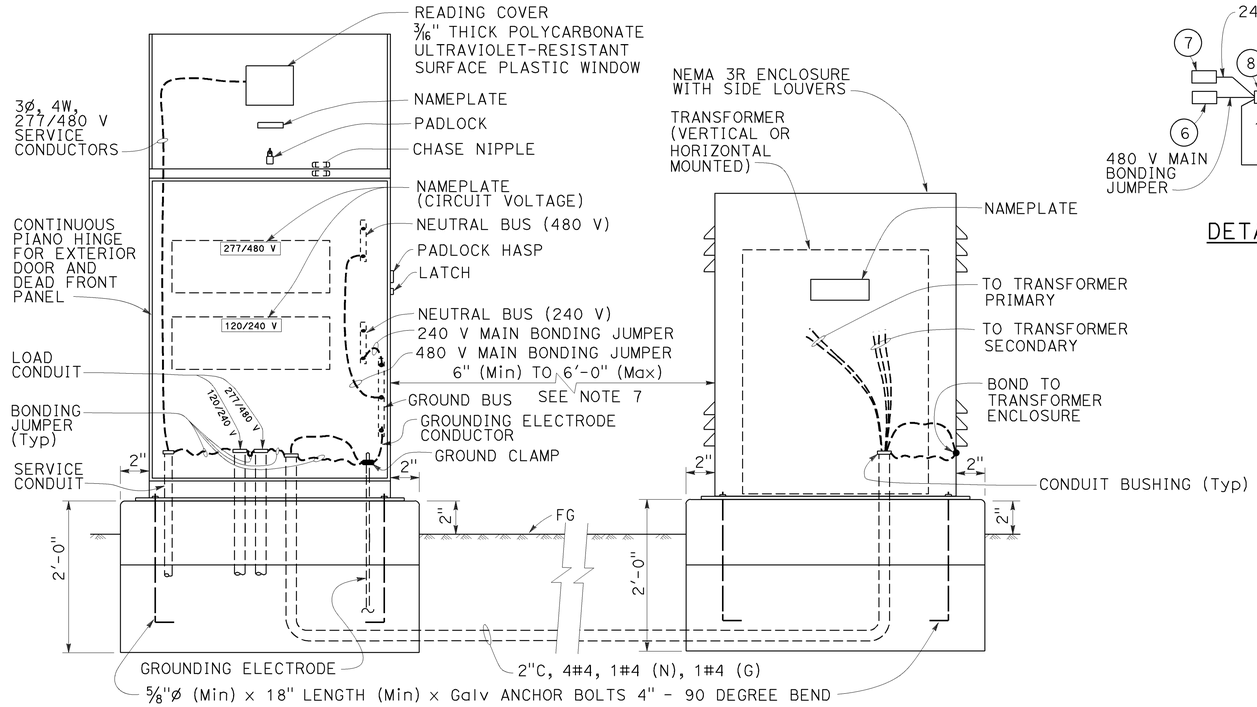
October 30, 2015
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Theresa Aziz Gabriel No. E15129 Exp. 6-30-16 ELECTRICAL STATE OF CALIFORNIA

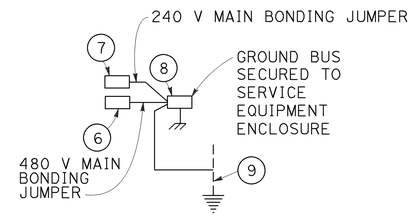
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

1

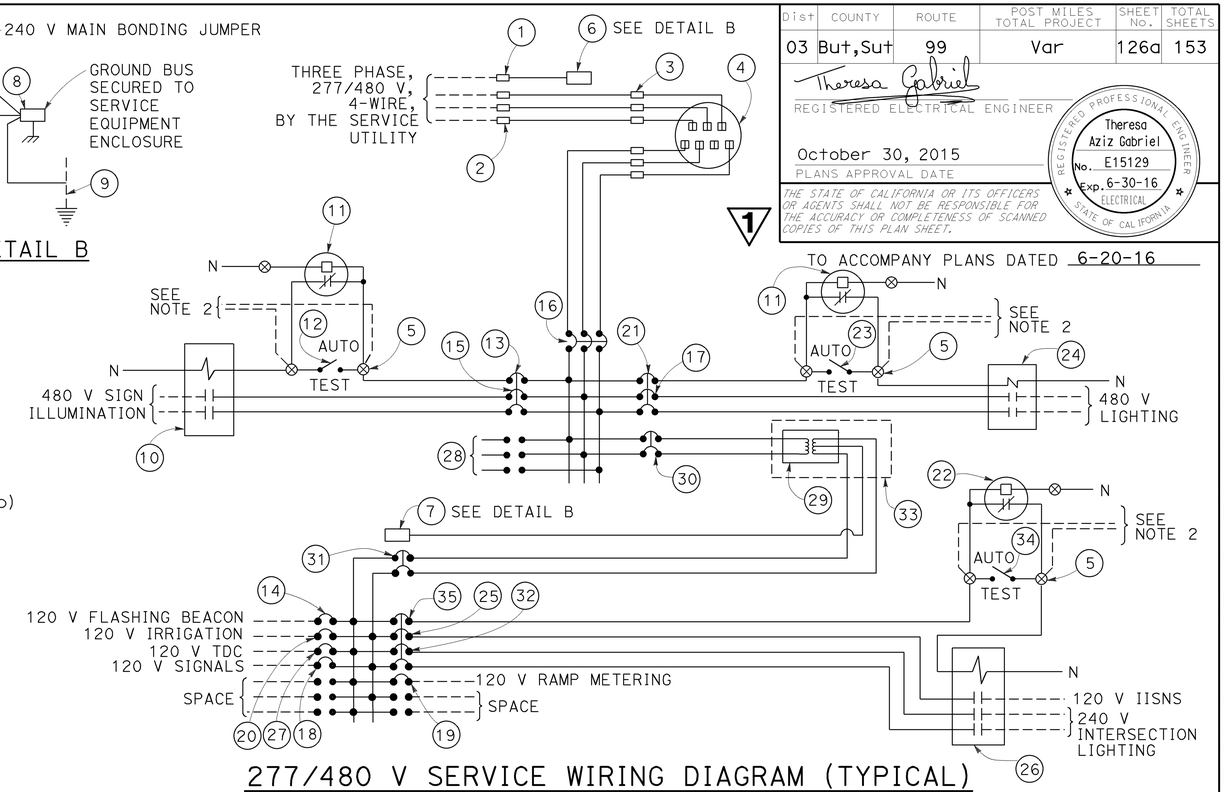
TO ACCOMPANY PLANS DATED 6-20-16



SIDE INSTALLATION OF TRANSFORMER

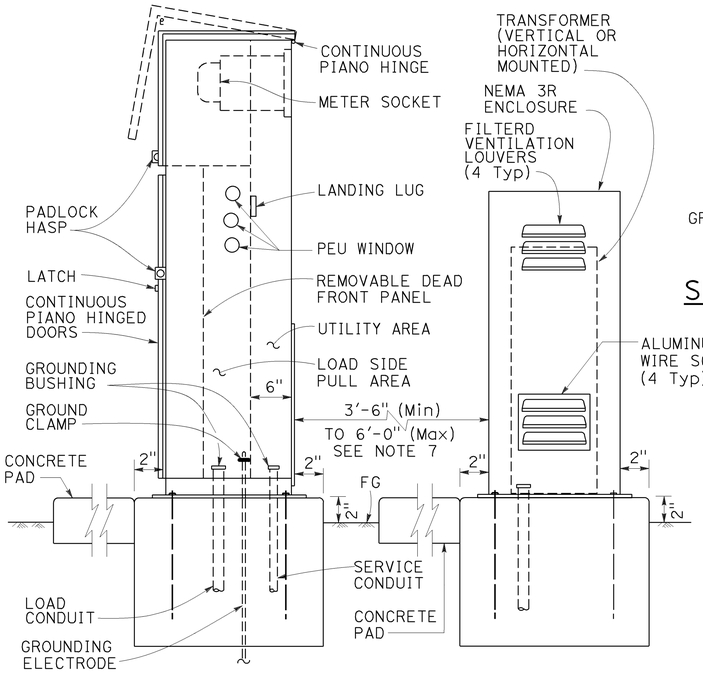


DETAIL B



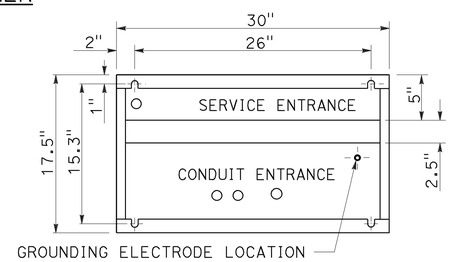
277/480 V SERVICE WIRING DIAGRAM (TYPICAL)

DETAIL C



REAR INSTALLATION OF TRANSFORMER

TYPE III-DF SERVICE EQUIPMENT ENCLOSURE TYPICAL



BASE FOR TYPE III-D SERVICE EQUIPMENT ENCLOSURE

DETAIL A

TYPE III-D SERVICE (277/480 V) EQUIPMENT LEGEND

ITEM No.	COMPONENT	NAMEPLATE DESCRIPTION	ITEM No.	COMPONENT	NAMEPLATE DESCRIPTION
1	NEUTRAL LUG		19	30 A, 120 V, 1P, CB	RAMP METERING (120 V)
2	LANDING LUG		20	20 A, 120 V, 1P, CB	IRRIGATION (120 V)
3	TEST BYPASS FACILITY		21	10 A, 277 V, 1P, CB	LIGHTING CONTROL (277 V)
4	METER SOCKET AND SUPPORT		22	PHOTOELECTRIC UNIT (NOTE 4)	PEU (120/240 V)
5	TERMINAL BLOCKS		23	15 A, 1P, TEST SWITCH	LIGHTING TEST SWITCH (277 V)
6	NEUTRAL BUS	NEUTRAL BUS (480 V)	24	30 A, 2P, NO CONTACTOR	LIGHTING (480 V)
7	NEUTRAL BUS	NEUTRAL BUS (240 V)	25	15 A, 120 V, 1P, CB	IISNS (120 V)
8	GROUND BUS		26	30 A, 3P, NO CONTACTOR	INTERSECTION LIGHTING (120 V)
9	GROUNDING ELECTRODE		27	20 A, 120 V, 1P, CB	TELEPHONE DEMARCATION CABINET (120 V)
10	30 A, 2P, NO CONTACTOR	SIGN ILLUMINATION (480 V)	28	20 A, 480 V, 3P, CB	SPACE
11	PHOTOELECTRIC UNIT (NOTE 4)	PEU (277/480 V PEU)	29	15 kVA, 480-120/240 V TRANSFORMER	TRANSFORMER, 15 kVA, 480-240 V
12	15 A, 1P, TEST SWITCH	SIGN ILLUMINATION TEST SWITCH (277 V)	30	40 A, 480 V, 2P, CB	TRANSFORMER PRIMARY (480 V)
13	10 A, 277 V, 1P, CB	SIGN ILLUMINATION CONTROL (277 V)	31	80 A, 240 V, 2P, CB	TRANSFORMER SECONDARY (240 V)
14	15 A, 120 V, 1P, CB	FLASHING BEACON (120 V)	32	30 A, 240 V, 2P, CB	INTERSECTION LIGHTING (240 V)
15	15 A, 480 V, 2P, CB	SIGN ILLUMINATION (480 V)	33	NEMA 3R ENCLOSURE WITH LOUVERS	TRANSFORMER, 15 kVA, 480-240 V
16	100 A, 480 V, 3P, CB	MAIN BREAKER (480 V)	34	15 A, 1P, TEST SWITCH	IISNS AND INTERSECTION LIGHTING TEST SWITCH (120 V)
17	15 A, 480 V, 2P, CB	LIGHTING (480 V)	35	10 A, 120 V, 1P, CB	IISNS AND INTERSECTION LIGHTING CONTROL (120 V)
18	50 A, 120 V, 1P, CB	SIGNAL (120 V)			

NOTES:

1. Unless otherwise indicated on the plans, service equipment items shall be provided for each service equipment enclosure as shown.
2. Connect to remote test switch mounted on lighting standards, sign post or structure when required.
3. Items No. 1, 6 and 7 shall be isolated from the service equipment enclosure.
4. Type V photoelectric control shall be used unless otherwise indicated on the plans.
5. Color of insulation of the neutral shall be gray for the 277/480 V system and shall be white for the 1/2V system.
6. Items 13, 21 and 35 shall be ganged operated CB.
7. The NEMA 3R enclosure shall be located to the side of the service equipment enclosure unless otherwise indicated on the plans.
8. The base dimension for the NEMA 3R enclosure for the transformer shall be as per manufacturer's design.

NO SCALE

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (SERVICE EQUIPMENT ENCLOSURE AND TYPICAL WIRING DIAGRAM, TYPE III-D SERIES)

RSP ES-2G DATED OCTOBER 30, 2015 SUPERSEDES STANDARD PLAN ES-2G DATED MAY 20, 2011 - PAGE 434 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP ES-2G

2010 REVISED STANDARD PLAN RSP ES-2G

1 **ADDED PER ADDENDUM No. 1 DATED NOVEMBER 7, 2016**

8-19-15