

INDEX OF PLANS

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121-131	STRUCTURE PLANS

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

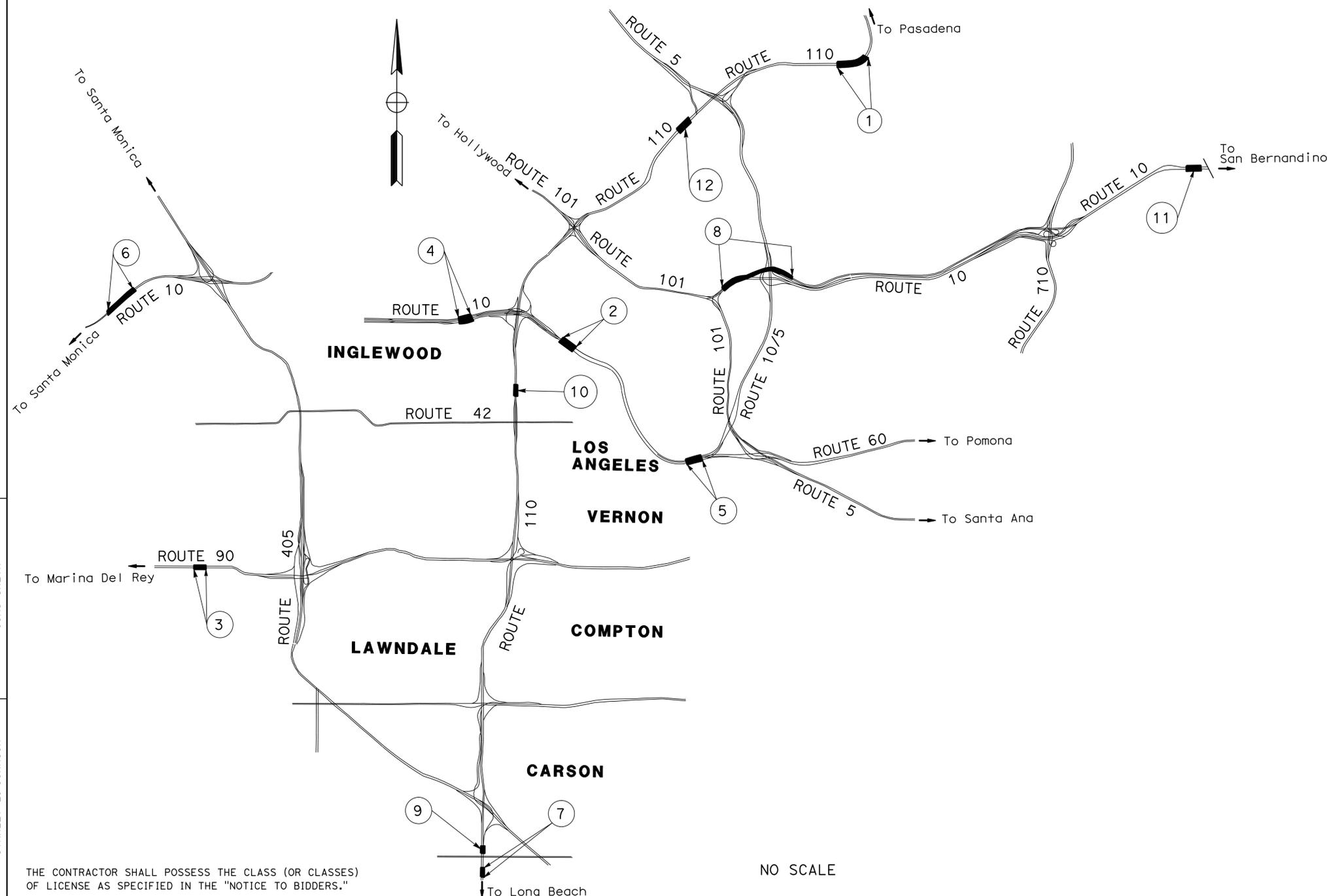
STATE OF CALIFORNIA ACNHP-X037(171)E
DEPARTMENT OF TRANSPORTATION

PROJECT PLANS FOR CONSTRUCTION ON
STATE HIGHWAY
IN LOS ANGELES COUNTY
AT VARIOUS LOCATIONS

TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2010

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90, 110	Var	1	131

Caltrans



LOCATIONS OF CONSTRUCTION

Loc No.	ROUTE	PM
1	110	30.3/31.9
2	10	15.1/16.9
3	90	1.5/3.2
4	10	12.0/13.8
5	10	17.6/18.0
6	10	2.6/3.7
7	110	7.5/8.3
8	10	S00.1/18.5
9	110	6.4, NB
10	110	22.4, SB
11	10	23.6, WB
12	110	25.2, SB

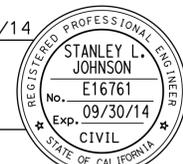
PROJECT MANAGER
OJAS SHEETH

DESIGN MANAGER
STANLEY L. JOHNSON

Stanley L. Johnson 5/22/14
PROJECT ENGINEER DATE
REGISTERED CIVIL ENGINEER

July 21, 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.



CONTRACT No.	07-3X9104
PROJECT ID	0713000324

NO SCALE



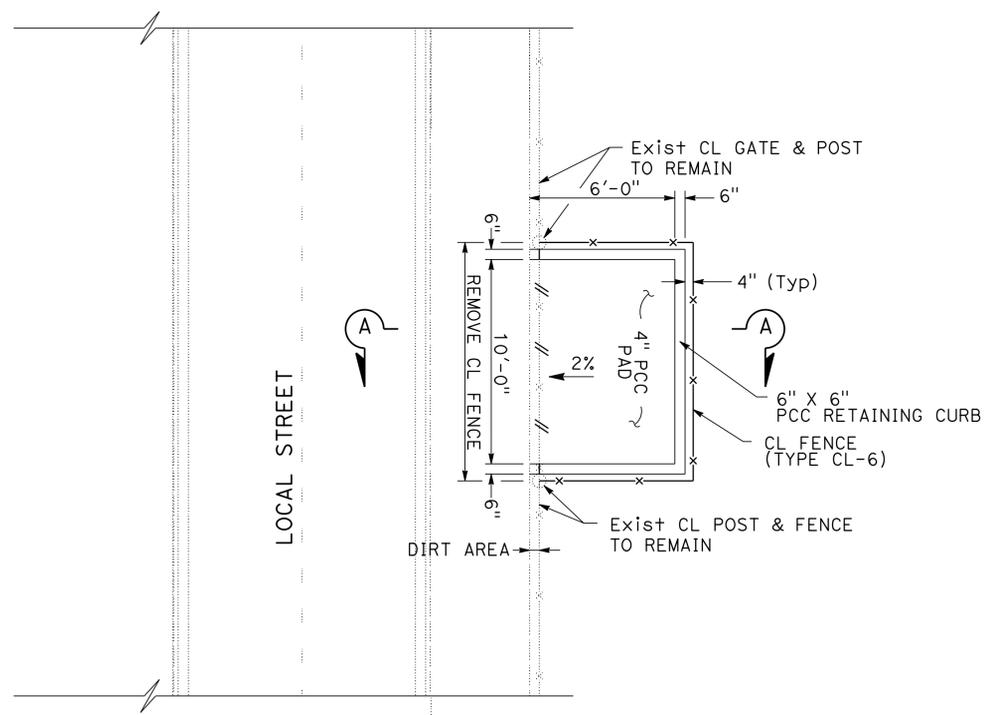
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TIME PLOTTED => 14:27
LAST REVISION 00-00-00

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90, 110	Var	2	131

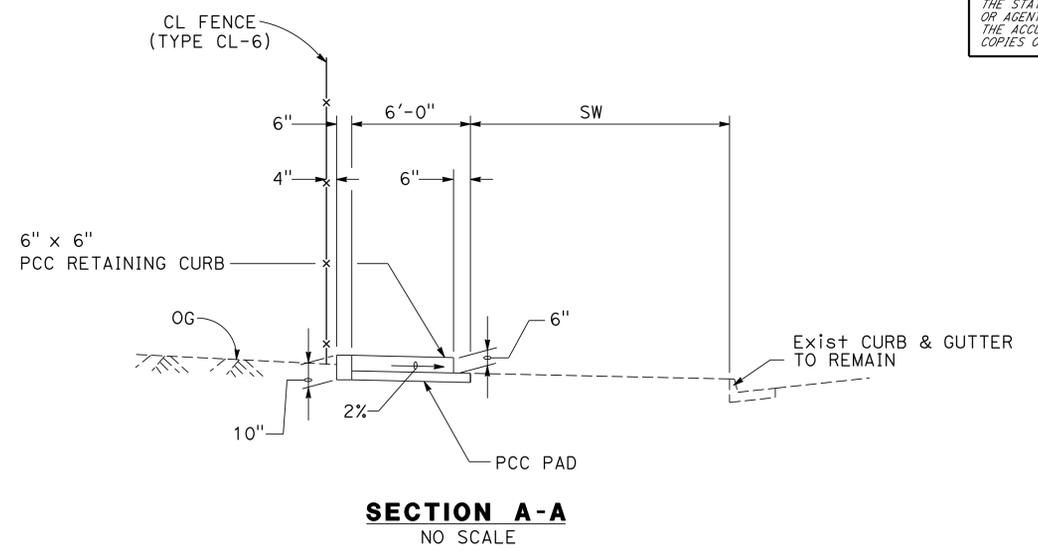
<i>Richard B. Khaw</i>	5/22/14
REGISTERED CIVIL ENGINEER	DATE
7-21-14	
PLANS APPROVAL DATE	

REGISTERED PROFESSIONAL ENGINEER
RICHARD B. KHAW
 No. C80736
 Exp. 3/31/15
 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.



PLAN
NO SCALE
DETAIL A



SECTION A-A
NO SCALE

ROADWAY QUANTITIES

DESCRIPTION	UNIT	QUANTITY
REMOVE CHAIN LINK FENCE	LF	60
CHAIN LINK FENCE (TYPE CL-6)	LF	120
MINOR Conc (MISCELLANEOUS CONSTRUCTION)	CY	6

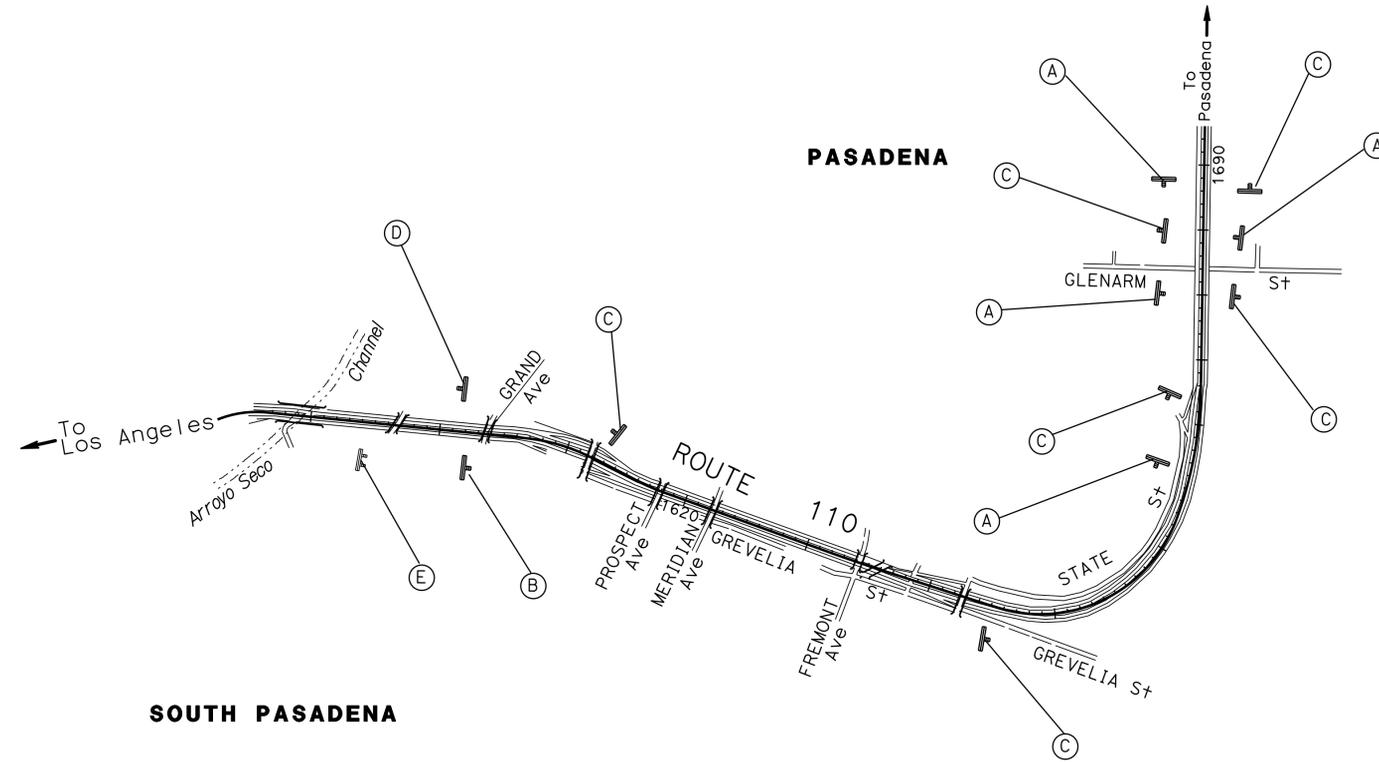
S:\des\g\3x9101\traff\c\Final_Plans\73x910ga001.dgn
 STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
St. Catrans **TRAFFIC DESIGN**
 FUNCTIONAL SUPERVISOR: MOHAMMED CHOWDHURY
 DESIGNED BY: JAMES CANALITA
 CHECKED BY: RICHARD KHAW
 REVISIONS: (None listed)

CONSTRUCTION DETAILS
NO SCALE
C-1

LAST REVISION: 00-00-00
 DATE PLOTTED => 25-AUG-2014
 TIME PLOTTED => 14:27

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90, 110	Var	3	131
Richard B. Khaw			5/22/14		
REGISTERED CIVIL ENGINEER			DATE		
7-21-14			PLANS APPROVAL DATE		
			RICHARD B. KHAW No. C80736 Exp. 3/31/15 CIVIL STATE OF CALIFORNIA		
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 STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
St. Gobans TRAFFIC DESIGN
 FUNCTIONAL SUPERVISOR: MOHAMMED CHOWDHURY
 CALCULATED/DESIGNED BY: MOSTAFA ARYA
 CHECKED BY: RICHARD KHAW
 REVISED BY: REVISOR
 DATE REVISED: DATE



STATIONARY MOUNTED CONSTRUCTION AREA SIGNS					
SIGN NUMBER	SIGN CODE	PANEL SIZE	SIGN MESSAGE	NUMBER OF POSTS AND SIZE	NUMBER OF SIGNS
(A)	W20-1	36" x 36"	ROAD WORK AHEAD	1 - 4" x 4"	27
(B)	W20-1	48" x 48"	ROAD WORK AHEAD	1 - 4" x 6"	18
(C)	G20-2	36" x 18"	END ROAD WORK	1 - 4" x 4"	32
(D)	G20-2	48" x 24"	END ROAD WORK	1 - 4" x 6"	17
(E)	C40A (CA)	144" x 60"	TRAFFIC FINES DOUBLED IN WORK ZONES	2 - 6" x 6"	18

NOTES: 1. LOCATION OF CONSTRUCTION AREA SIGNS SHOWN ARE APPROXIMATE.
 2. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER.

CONSTRUCTION AREA SIGN

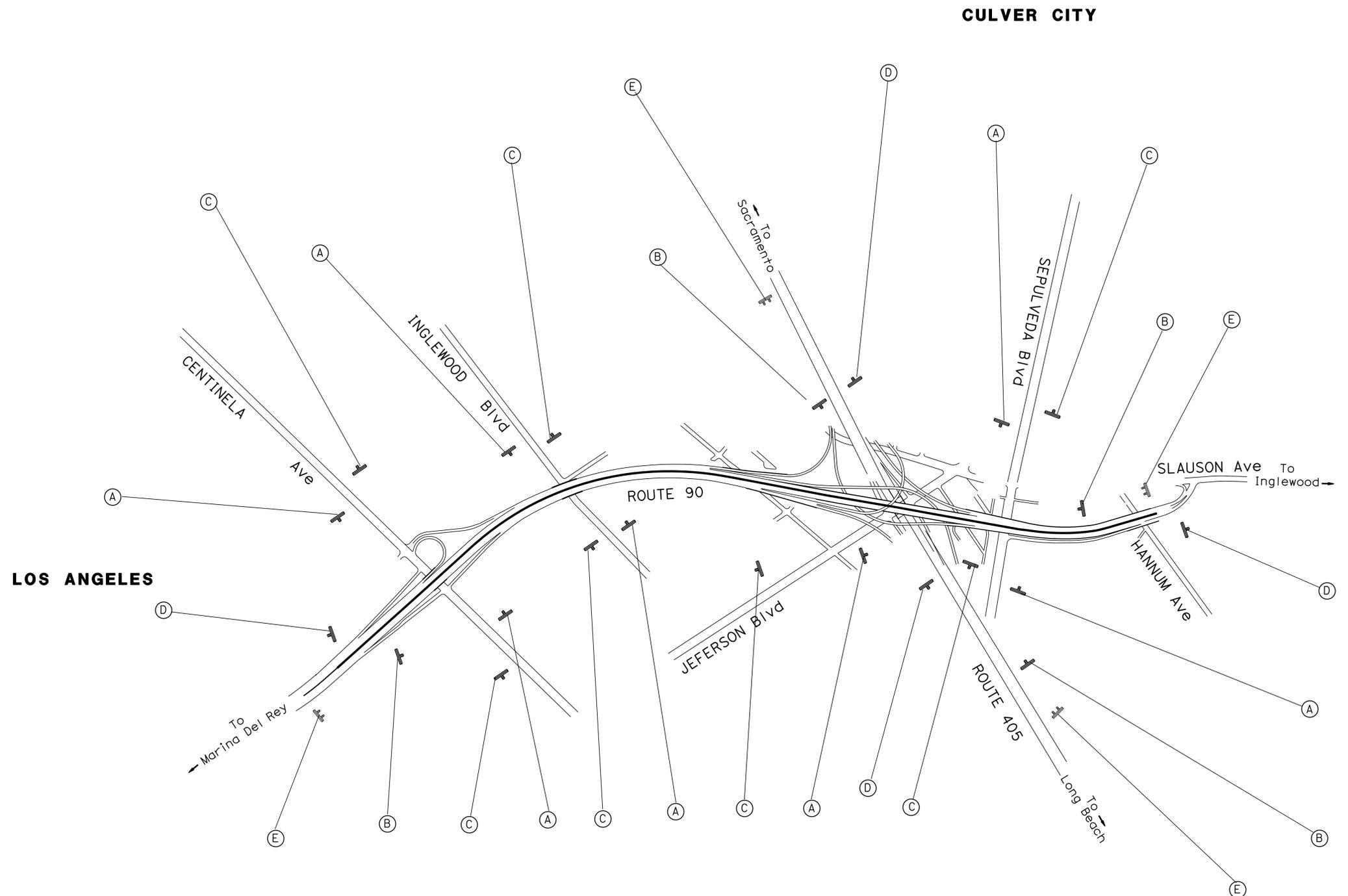
NO SCALE

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

CS-1

LAST REVISION: 00-00-00 DATE PLOTTED => 25-AUG-2014 TIME PLOTTED => 14:27

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90, 110	Var	4	131
Richard B. Khaw		5/22/14		REGISTERED CIVIL ENGINEER DATE	
7-21-14		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>					



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 STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
St. Catrans TRAFFIC DESIGN
 FUNCTIONAL SUPERVISOR: MOHAMMED CHOWDHURY
 CALCULATED/DESIGNED BY: MOSTAFA ARYA
 CHECKED BY: RICHARD KHAW
 REVISED BY: DATE REVISED

CONSTRUCTION AREA SIGN
 NO SCALE
CS-2

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

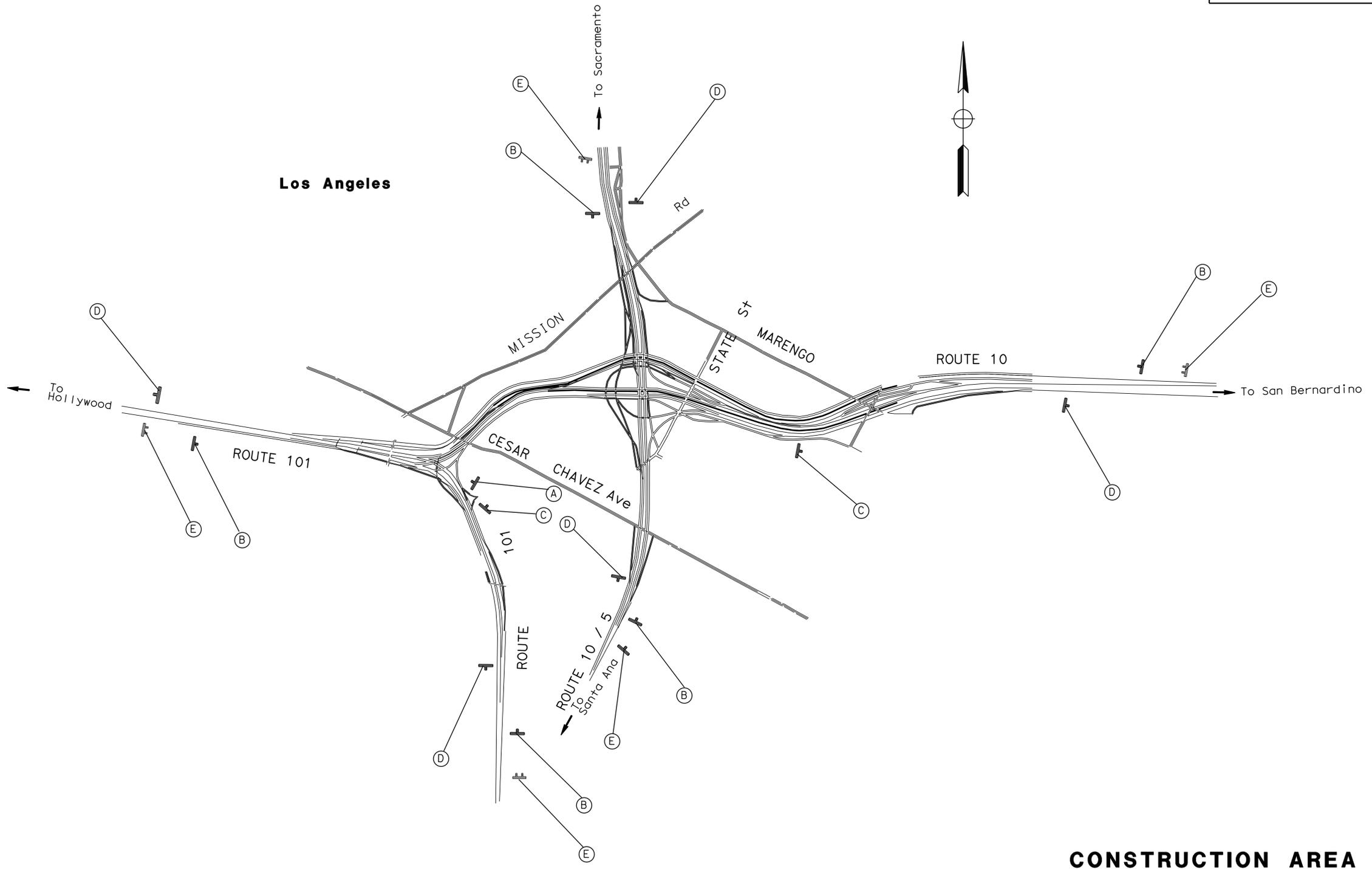
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 TIME PLOTTED => 14:27

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90, 110	Var	5	131

<i>Richard B. Khaw</i>	5/22/14
REGISTERED CIVIL ENGINEER	DATE
7-21-14	
PLANS APPROVAL DATE	

REGISTERED PROFESSIONAL ENGINEER
 RICHARD B. KHAW
 No. C80736
 Exp. 3/31/15
 CIVIL
 STATE OF CALIFORNIA

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CONSTRUCTION AREA SIGN

NO SCALE

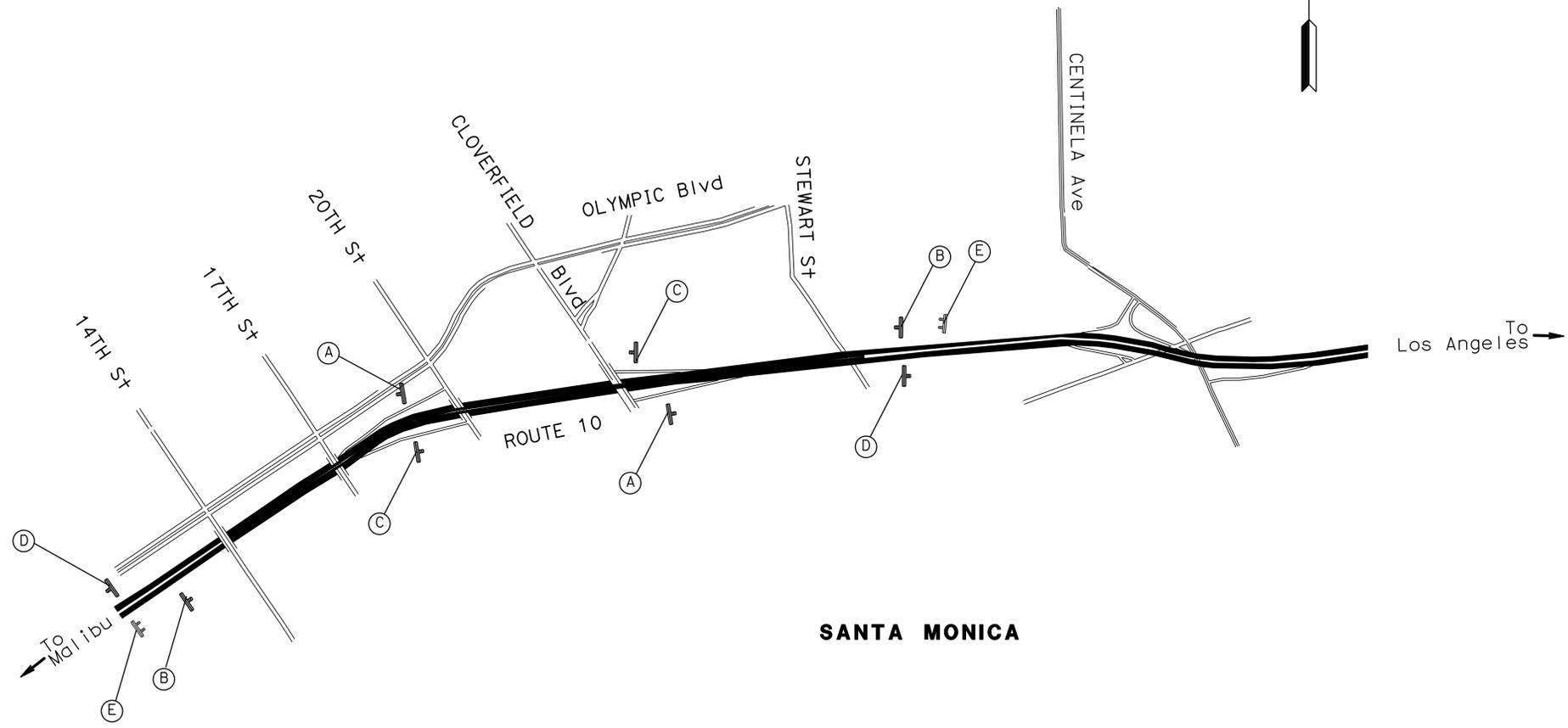
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APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

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 STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
St. Gobans TRAFFIC DESIGN
 FUNCTIONAL SUPERVISOR: MOHAMMED CHOWDHURY
 CALCULATED/DESIGNED BY: MOSTAFA ARYA
 CHECKED BY: RICHARD KHAW
 REVISED BY: [] DATE REVISED: []

LAST REVISION: 00-00-00
 DATE PLOTTED => 25-AUG-2014
 TIME PLOTTED => 14:27

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90, 110	Var	6	131
Richard B. Khaw		5/22/14			
REGISTERED CIVIL ENGINEER		DATE			
7-21-14		PLANS APPROVAL DATE			
		RICHARD B. KHAW		No. C80736	
				Exp. 3/31/15	
				CIVIL	
<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>					



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 STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
St. Gobans TRAFFIC DESIGN
 FUNCTIONAL SUPERVISOR: MOHAMMED CHOWDHURY
 CALCULATED/DESIGNED BY: MOSTAFA ARYA
 CHECKED BY: RICHARD KHAW
 REVISED BY: [blank]
 DATE REVISED: [blank]

CONSTRUCTION AREA SIGN
 NO SCALE
CS-4

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

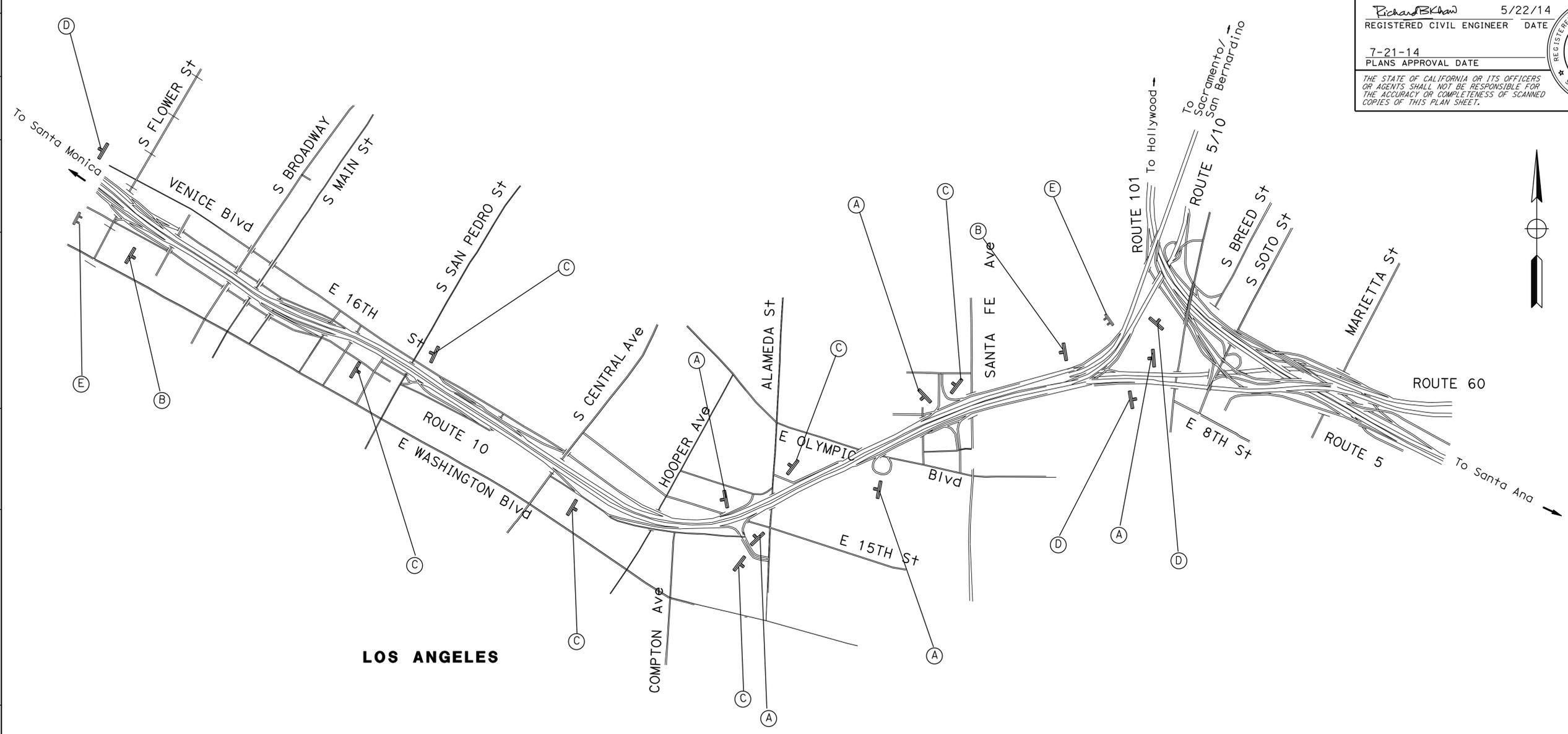
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 STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
St. Gobans TRAFFIC DESIGN
 FUNCTIONAL SUPERVISOR: MOHAMMED CHOWDHURY
 CALCULATED/DESIGNED BY: MOSTAFA ARYA
 CHECKED BY: RICHARD KHAW
 REVISED BY: MOSTAFA ARYA
 DATE REVISED: RICHARD KHAW

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90, 110	Var	7	131

Richard B. Khaw 5/22/14
 REGISTERED CIVIL ENGINEER DATE
 7-21-14
 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.

REGISTERED PROFESSIONAL ENGINEER
RICHARD B. KHAW
 No. C80736
 Exp. 3/31/15
 CIVIL
 STATE OF CALIFORNIA



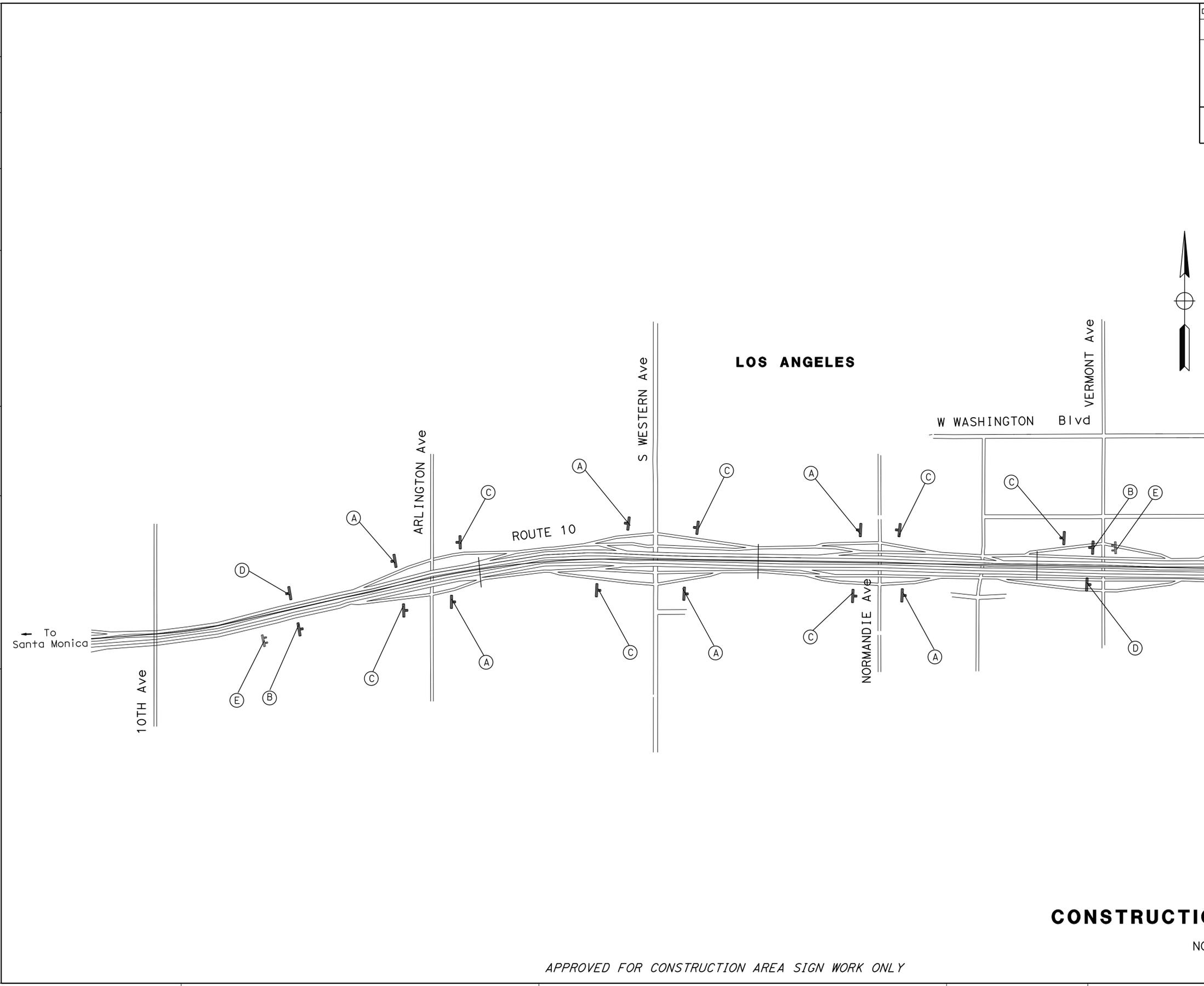
CONSTRUCTION AREA SIGN
 NO SCALE
CS-5

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

LAST REVISION: 00-00-00
 DATE PLOTTED => 25-AUG-2014
 TIME PLOTTED => 14:27

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90, 110	Var	8	131
Richard B. Khaw		5/22/14		REGISTERED CIVIL ENGINEER DATE	
7-21-14		PLANS APPROVAL DATE		RICHARD B. KHAW No. C80736 Exp. 3/31/15 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.					

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 STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
St. Gobans TRAFFIC DESIGN
 FUNCTIONAL SUPERVISOR: MOHAMMED CHOWDHURY
 CALCULATED/DESIGNED BY: MOSTAFA ARYA
 CHECKED BY: RICHARD KHAW
 REVISED BY: []
 DATE REVISED: []



CONSTRUCTION AREA SIGN
 NO SCALE
CS-6

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

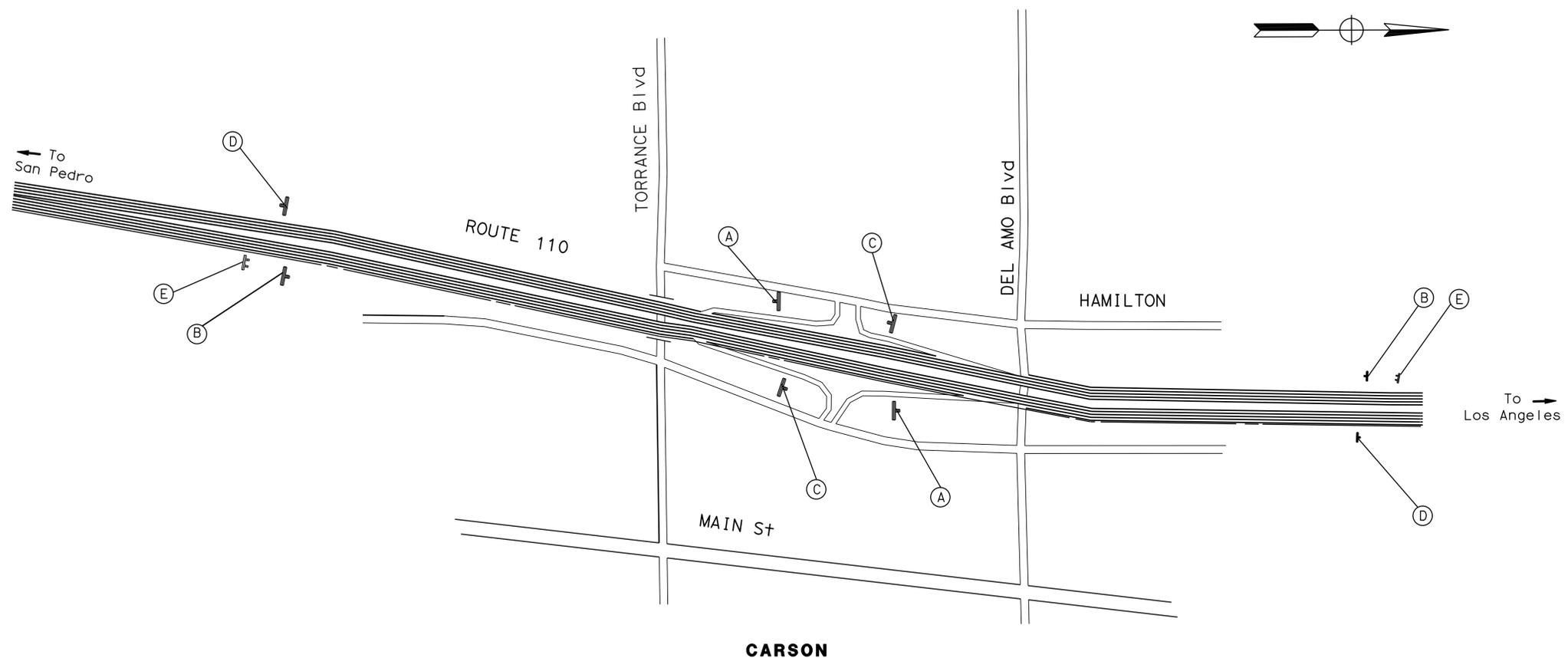
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 DATE PLOTTED => 25-AUG-2014
 TIME PLOTTED => 14:27

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90, 110	Var	9	131

<i>Richard B. Khaw</i>	5/22/14
REGISTERED CIVIL ENGINEER	DATE
7-21-14	
PLANS APPROVAL DATE	

RICHARD B. KHAW
No. C80736
Exp. 3/31/15
CIVIL

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CONSTRUCTION AREA SIGN

NO SCALE

CS-7

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

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 STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
St. Gobans TRAFFIC DESIGN
 FUNCTIONAL SUPERVISOR: MOHAMMED CHOWDHURY
 CALCULATED BY: MOSTAFA ARYA
 DESIGNED BY: RICHARD KHAW
 CHECKED BY:
 REVISOR: REVISOR
 DATE REVISOR: DATE REVISOR

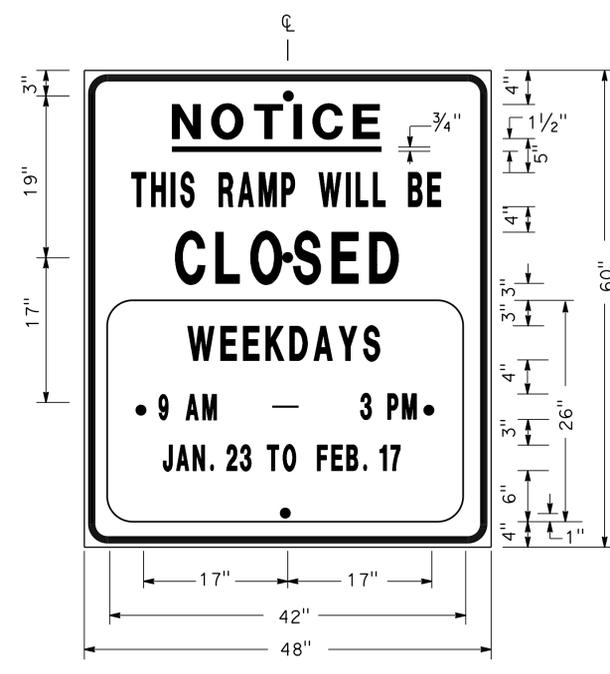
LAST REVISION: 00-00-00
 DATE PLOTTED => 25-AUG-2014
 TIME PLOTTED => 14:27

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 DTM
 FUNCTIONAL SUPERVISOR
 SAM ESOUENAZI
 CHECKED BY
 ALBERT K YU
 JOCELYN C CHIANG
 REVISIONS:
 JC 2/14
 REVISED BY
 DATE REVISED

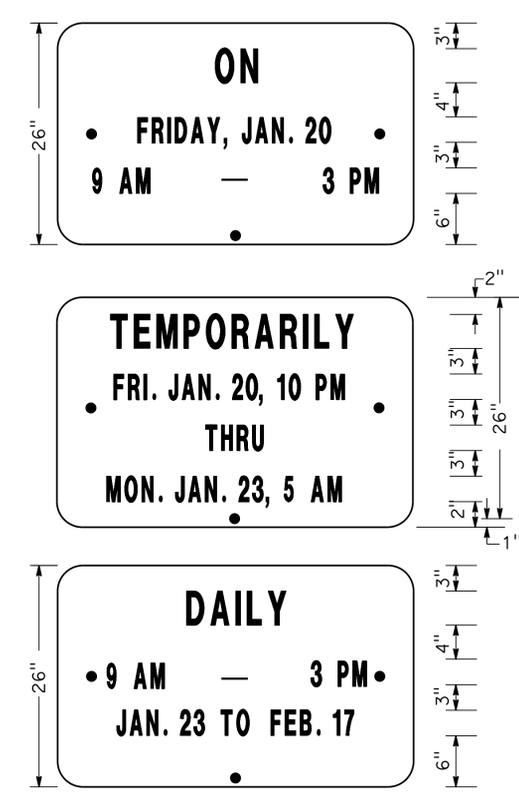
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10,90, 110	Var	10	131

REGISTERED CIVIL ENGINEER DATE 3-12-14
 7-21-14 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.

ALBERT K. YU
 No. 43220
 Exp 3/31/16
 CIVIL
 STATE OF CALIFORNIA

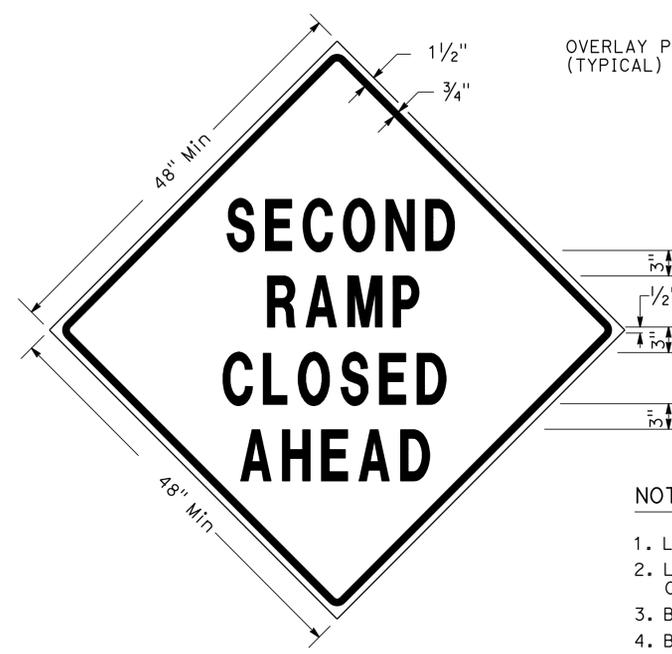


SIGN SP-1



ALTERNATE OVERLAY PANELS (TYPICAL)

SPECIAL ADVANCE NOTICE PUBLICITY SIGN



SIGN SP-3



SIGN SP-5

NOTES: SIGNS SP-3 & SP-5

- LETTERS - 6" SERIES D.
- LETTERS AND BORDER MUST BE BLACK ON REFLECTORIZED ORANGE BACKGROUND.
- BOLT HOLES MUST BE 3/8" DIAMETER.
- BASE MATERIAL MUST BE ALUMINUM (MINIMUM 0.06").
- SIGNS MUST BE MOUNTED WITH BOTTOMS OF SIGNS A MINIMUM OF 7' ABOVE GROUND.
- SIGN SP-5 MUST BE USED IF THE OFF-RAMP TO BE CLOSED FOLLOWS A FREEWAY OFF-CONNECTOR.

SPECIAL SIGNS FOR EXIT RAMP CLOSURES

NOTES: SIGN SP-1

- LETTERS AND BORDER MUST BE BLACK ON REFLECTORIZED ORANGE BACKGROUND.
- BOLT HOLES MUST BE 3/8" DIAMETER.
- BASE MATERIAL MUST BE ALUMINUM (MINIMUM 0.06").
- SIGNS MUST BE MOUNTED WITH BOTTOMS OF SIGNS A MINIMUM OF 7' ABOVE GROUND.

SIZE	BORDER WIDTH	MARGIN WIDTH	LETTER SIZE					CORNER RADIUS
			LINE 1	LINE 2*	LINE 3	LINE 4	LINE 5, 6, & 7*	
48"x60"	1 1/4"	3/4"	4E	4D	6E	4D		3"
42"x26"	OVERLAY						3D	1 1/2"

* CONDENSED SPACING IF NECESSARY



SIGN SP-4

NOTES: SIGN SP-4

- LETTERS - 6" SERIES C.
- LETTERS AND BORDER MUST BE BLACK ON REFLECTORIZED WHITE BACKGROUND.
- BOLT HOLES MUST BE 3/8" DIAMETER.
- BASE MATERIAL MUST BE ALUMINUM (MINIMUM 0.06").
- SIGNS MUST BE PLACED AT RAMP ENTRANCES IN ADDITION TO SIGNS POSTED IN ACCORDANCE WITH REVISED STANDARD PLAN RSP T14.

SPECIAL SIGN FOR ENTRANCE RAMP CLOSURES

**TRAFFIC HANDLING DETAILS
 TRAFFIC CONTROL SYSTEM
 FOR RAMP CLOSURES, DETOUR SIGNS,
 AND MISCELLANEOUS DETAILS**

SHEET 1 OF 2

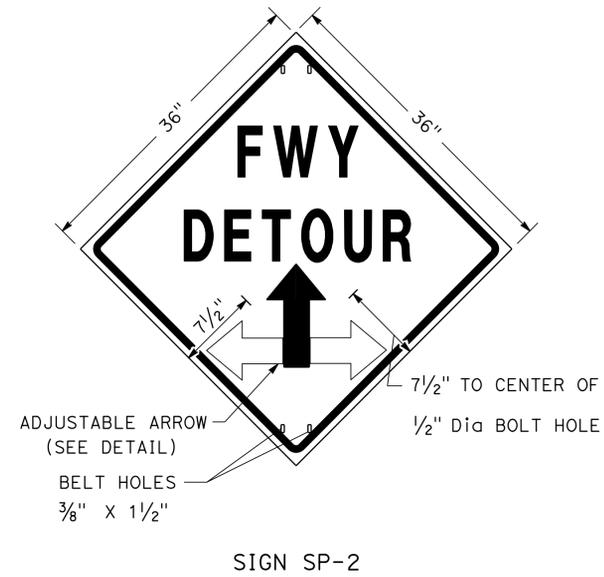
NO SCALE

THD-1

DATE PLOTTED => 25-AUG-2014 TIME PLOTTED => 14:27

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10,90, 110	Var	11	131
<i>Albert K. Yu</i> REGISTERED CIVIL ENGINEER DATE 3-12-14			ALBERT K. YU No. 43220 Exp 3/31/16 CIVIL STATE OF CALIFORNIA		
7-21-14 PLANS APPROVAL DATE					
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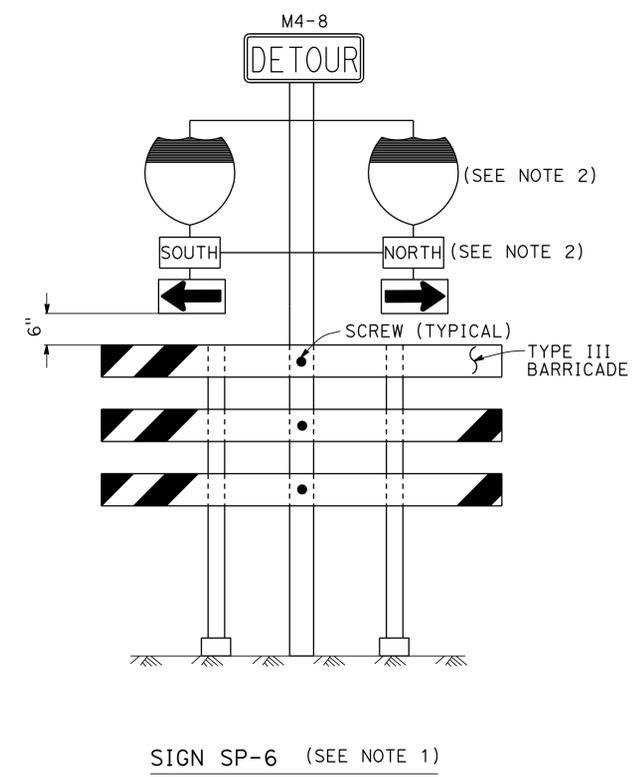
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 DTM
 FUNCTIONAL SUPERVISOR
 SAM ESOUENAZI
 CHECKED BY
 JOCELYN C CHIANG
 REVISIONS
 REVISED BY
 JC
 DATE REVISIED
 2/14



NOTES: SIGN SP-2

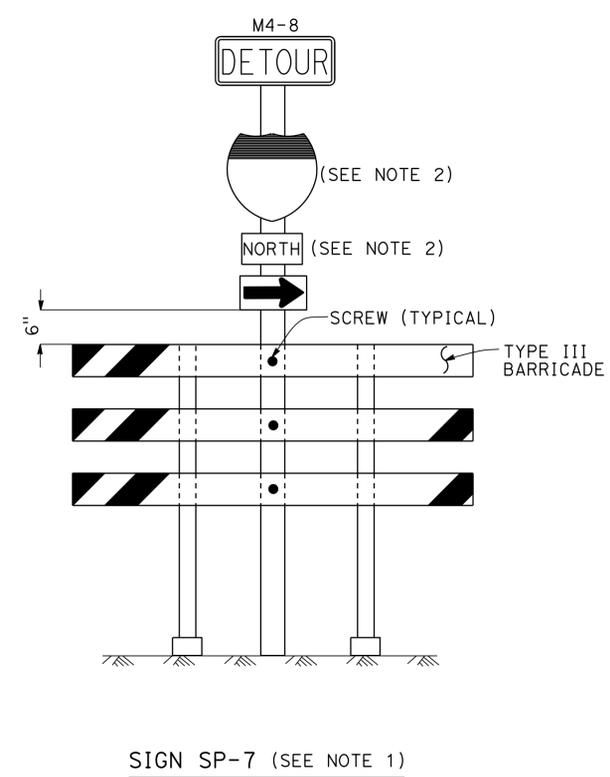
- LETTERS - 6" SERIES E.
- LETTERS, BORDER AND ARROW - BLACK ON RETROREFLECTORIZED ORANGE BACKGROUND.
- BASE MATERIAL FOR SIGNS AND ARROWS MUST BE ALUMINUM (MINIMUM 0.06").
- BELTS (LUGGAGE STRAPS) MUST BE 1" WIDE BY 48" LONG, MADE OF COTTON OR POLYPROPYLENE WEB MATERIAL.
- SIGNS MUST BE MOUNTED WITH BOTTOMS OF SIGNS A MINIMUM OF 7' ABOVE GROUND EXCEPT AS OTHERWISE SHOWN ON OTHER TRAFFIC HANDLING DETAILS PLANS.

ABBREVIATION
(CA) CALIFORNIA CODE

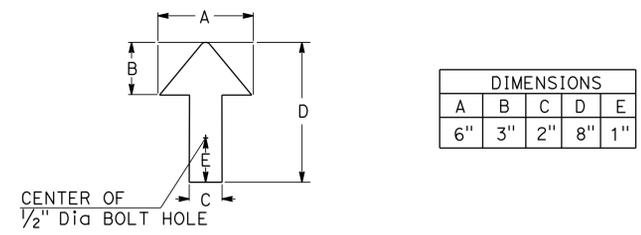


NOTES: SIGNS SP-6 & SP-7

- IN LIEU OF PLACING SIGNS ON TYPE III BARRICADES, SIGNS, INCLUDING POSTS, MAY BE PLACED INTO THE GROUND OR FASTENED ONTO ELECTROLIERS.
- USE APPROPRIATE ROUTE MARKER [G26-2(CA), G27-2(CA), G28-2(CA)] AND CARDINAL DIRECTION [NORTH (M3-1), SOUTH (M3-3), EAST (M3-2), WEST (M3-4)].



SPECIAL PORTABLE FREEWAY DETOUR SIGNS



ADJUSTABLE ARROW DETAIL

TRAFFIC HANDLING DETAILS
TRAFFIC CONTROL SYSTEM
FOR RAMP CLOSURES, DETOUR SIGNS,
AND MISCELLANEOUS DETAILS
SHEET 2 OF 2
 NO SCALE
THD-2

DATE PLOTTED => 25-AUG-2014
 TIME PLOTTED => 14:27
 LAST REVISION 00-00-00

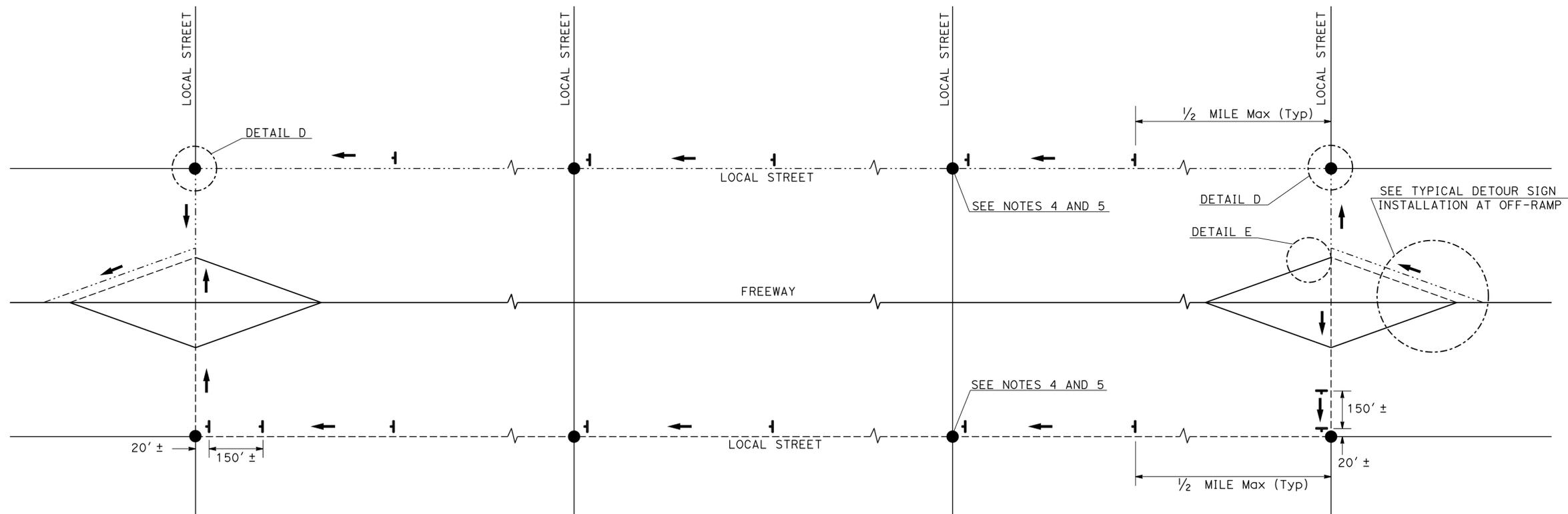
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10,90, 110	Var	12	131
<i>Albert K. Yu</i> REGISTERED CIVIL ENGINEER DATE 3-12-14			ALBERT K. YU No. 43220 Exp 3/31/16 CIVIL STATE OF CALIFORNIA		
7-21-14 PLANS APPROVAL DATE					
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					

LEGEND

-  SIGN SP-2
-  AND/OR DESIGNATED DETOUR ROUTE
-  DETOUR DIRECTION
-  CONTROLLED INTERSECTION

NOTES:

- SP-2 SIGNS MAY BE STRAPPED ON EXISTING ELECTROLIER, SIGNAL POST OR SIGN POST.
- SP-2 SIGNS MUST NOT BE INSTALLED ON BARRICADES EXCEPT AS OTHERWISE SHOWN.
- SIGN LOCATIONS ARE APPROXIMATE. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER.
- SP-2 SIGNS MUST BE POSTED AT EACH CONTROLLED INTERSECTION (EXCEPT AT COMMERCIAL PROPERTY, RESIDENTIAL COMPLEX OR T-INTERSECTION FROM ONE-WAY STREET) ALONG THE DESIGNATED DETOUR ROUTE.
- UNLESS OTHERWISE SHOWN ON OTHER THD PLANS, WHEN CONTROLLED INTERSECTIONS ALONG THE DESIGNATED DETOUR ROUTE ARE CLOSELY SPACED, PLACE SP-2 SIGNS AT CONTROLLED INTERSECTIONS AT A DISTANCE NOT TO EXCEED 1/4 MILE FROM THE PRECEDING DETOUR SIGN.
- EXCEPT AS OTHERWISE SHOWN ON OTHER PLANS OR SPECIFIED IN THE SPECIAL PROVISIONS, SP-2 SIGNS MUST BE PLACED AS SHOWN ON THIS PLAN.



TYPICAL DETOUR SIGN INSTALLATION ALONG DESIGNATED DETOUR ROUTE

**TRAFFIC HANDLING DETAILS
TRAFFIC CONTROL SYSTEM
FOR DETOUR SIGN INSTALLATION
ALONG DESIGNATED DETOUR ROUTE
SHEET 1 OF 2**

NO SCALE

THD-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DTM



FUNCTIONAL SUPERVISOR
SAM ESOUENAZI

CALCULATED-DESIGNED BY
CHECKED BY

ALBERT K YU
JOCELYN C CHIANG

REVISED BY
DATE REVISED

JC
2/14

x

x

x

x

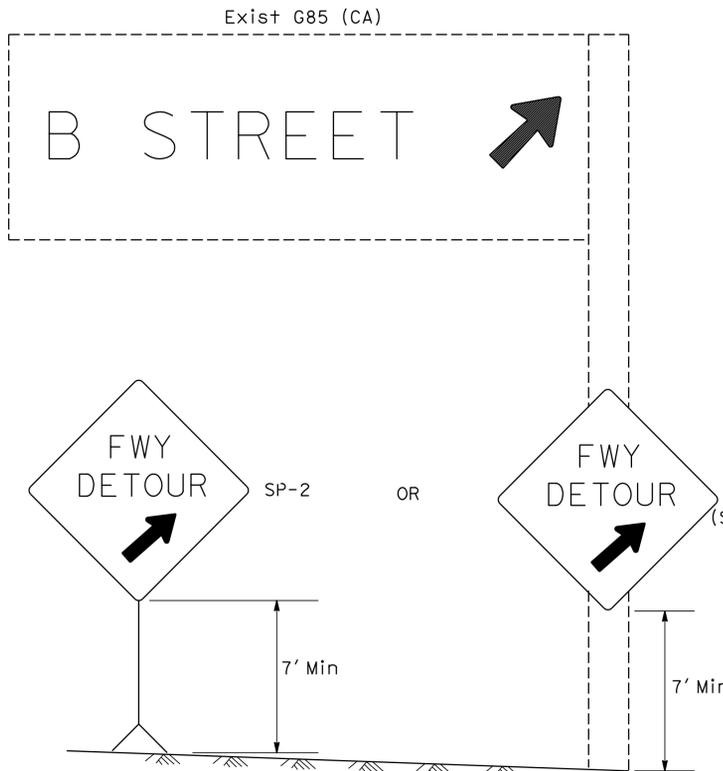
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DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10,90, 110	Var	13	131

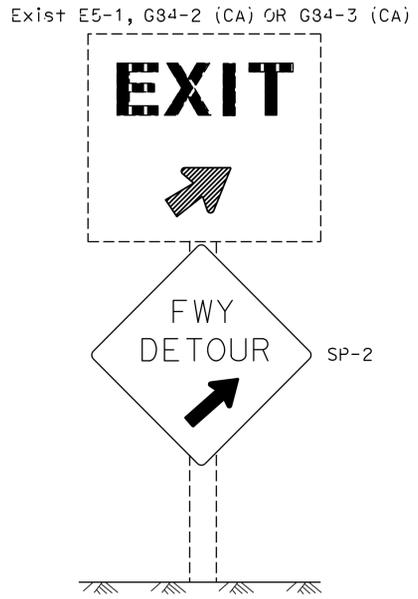
REGISTERED CIVIL ENGINEER	DATE
<i>Albert K. Yu</i>	3-12-14
PLANS APPROVAL DATE	
7-21-14	

REGISTERED PROFESSIONAL ENGINEER	NO.	EXPIRES
ALBERT K. YU	43220	3/31/16
STATE OF CALIFORNIA CIVIL		

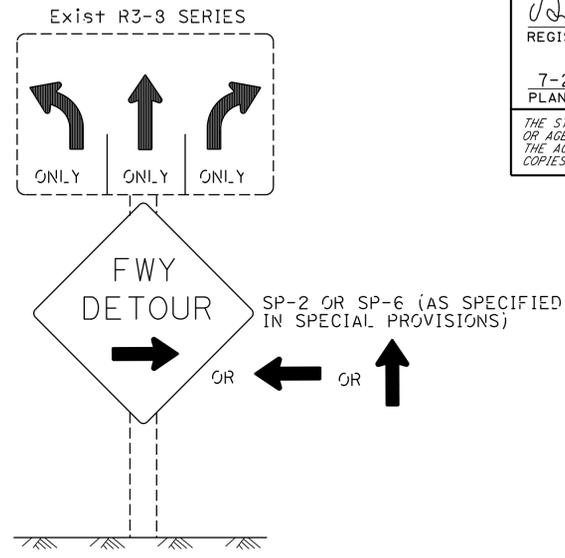
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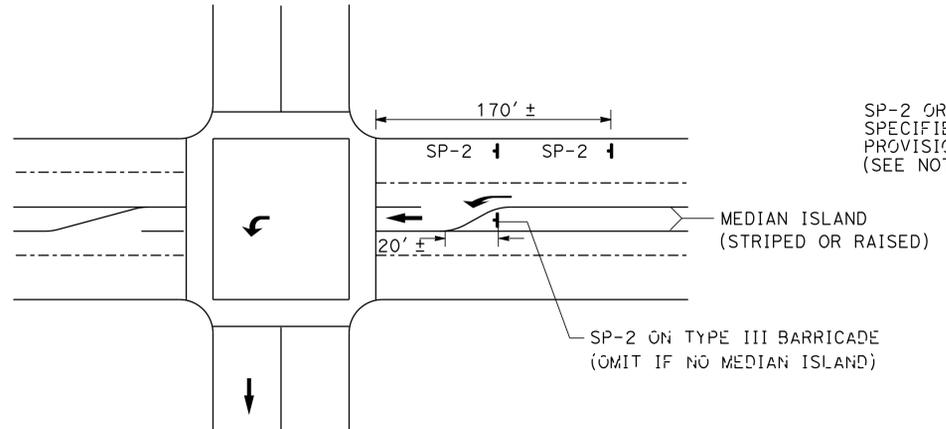
DETAIL A (SEE NOTE 3)



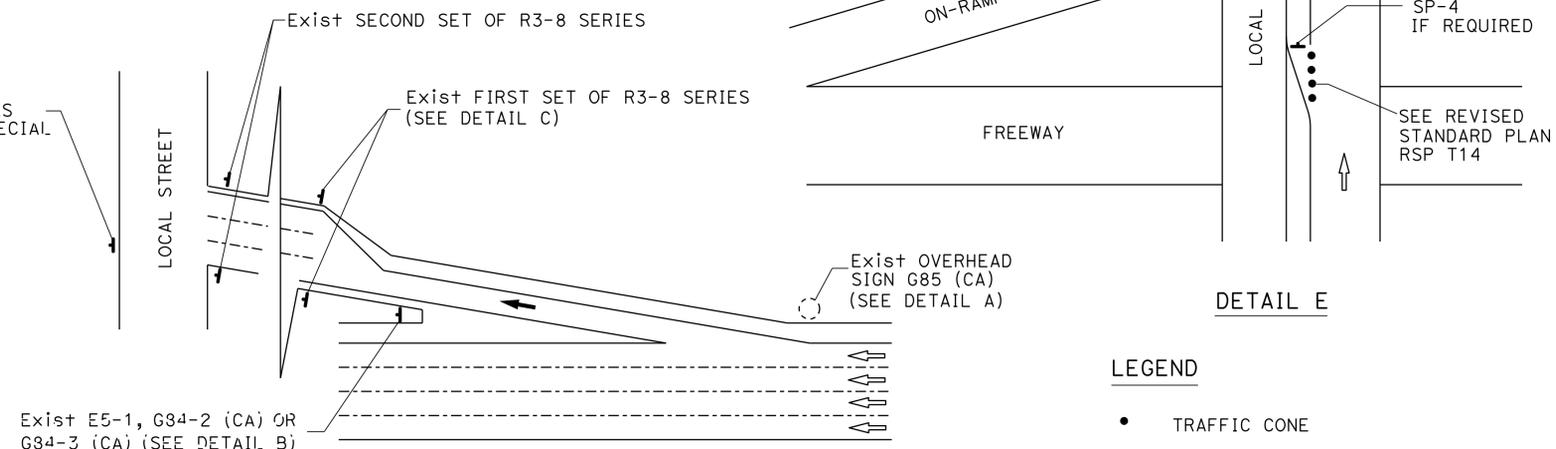
DETAIL B (SEE NOTE 3)



DETAIL C (SEE NOTES 4, 5, AND 6)



DETAIL D



DETAIL E

- LEGEND**
- TRAFFIC CONE
 - ↑ TEMPORARY TRAFFIC CONTROL SIGN
 - ➔ DETOUR DIRECTION
 - EXISTING OVERHEAD SIGN

TYPICAL DETOUR SIGN INSTALLATION AT OFF-RAMP

- NOTES: SIGN SP-2**
- SP-2 SIGNS MAY BE STRAPPED ON EXISTING ELECTROLIER, SIGNAL POST OR SIGN POST.
 - SP-2 SIGNS MUST NOT BE INSTALLED ON BARRICADES EXCEPT AS OTHERWISE SHOWN.
 - OMIT DETAILS A AND B FOR FULL FREEWAY CLOSURES.
 - SEE TRAFFIC HANDLING DETAILS-TRAFFIC CONTROL SYSTEM FOR RAMP CLOSURES, DETOUR SIGNS, AND MISCELLANEOUS DETAILS PLAN SHEET 2 OF 2 FOR SP-6 SIGN DETAILS.
 - IF R3-8 SERIES SIGNS ARE NOT PRESENT AT THE OFF-RAMP, SP-2 OR SP-6 SIGNS MUST BE FASTENED ONTO EXISTING ELECTROLIER, SIGNAL POST OR SIGN POST.
 - EXCEPT FOR DETAILS A & B, OMIT SP-2 SIGNS IF RAMP HAS MANDATORY SINGLE MOVE.

- SIGN CODE LEGEND**
- XXYY-Y: FEDERAL SIGN CODE PER MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)
- XXYY-Y (CA): CALIFORNIA SIGN CODE PER CALIFORNIA MUTCD

**TRAFFIC HANDLING DETAILS
TRAFFIC CONTROL SYSTEM
FOR DETOUR SIGN INSTALLATION
ALONG DESIGNATED DETOUR ROUTE
SHEET 2 OF 2**

NO SCALE **THD-4**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 FUNCTIONAL SUPERVISOR: SAM ESQUENAZI
 CHECKED BY: JOCELYN C CHIANG
 REVISIONS: JC 2/14

DATE PLOTTED => 25-AUG-2014 TIME PLOTTED => 14:27

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10,90, 110	Var	14	131

REGISTERED CIVIL ENGINEER	DATE
<i>Albert K. Yu</i>	3-12-14
PLANS APPROVAL DATE	
7-21-14	

REGISTERED PROFESSIONAL ENGINEER	No.	Exp
ALBERT K. YU	43220	3/31/16
CIVIL		

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NOTES:

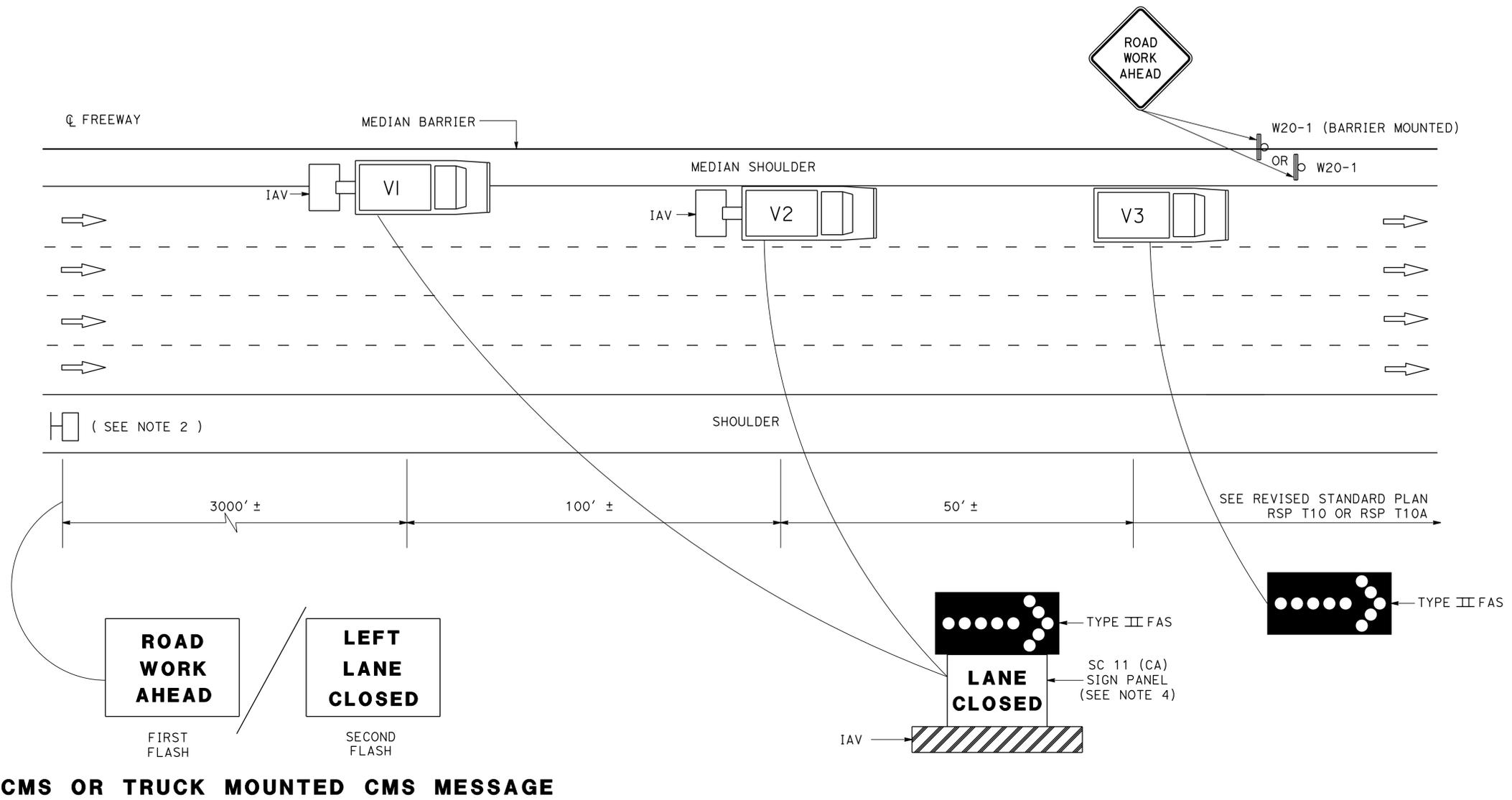
- LANE CLOSURES MUST NOT BE PLACED ON CREST VERTICAL CURVES OR ON HORIZONTAL CURVES.
- PCMS MUST BE ACTIVATED PRIOR TO TRAFFIC CONTROL ACTIVITIES ON THE LANE.
- A MINIMUM SIGHT DISTANCE OF 1500' MUST BE PROVIDED IN ADVANCE OF PCMS.
- VEHICLE-MOUNTED SIGN PANELS MUST BE TYPE III OR IV RETROREFLECTORIZED SHEETING, BLACK ON WHITE OR BLACK ON ORANGE WITH 8" MINIMUM SERIES D LETTERS PER CALTRANS SIGN SPECIFICATIONS.

LEGEND

- V1, V2 SHADOW VEHICLES
- V3 WORK/APPLICATION VEHICLE
- PCMS
- TEMPORARY TRAFFIC CONTROL SIGN
- FLASHING ARROW SIGN (FAS)

ABBREVIATIONS

- IAV IMPACT ATTENUATOR VEHICLE
- (CA) CALIFORNIA CODE



**TRAFFIC HANDLING DETAILS
TRAFFIC CONTROL SYSTEM
FOR MEDIAN SHOULDERS LESS THAN 8 FEET**

NO SCALE

THD-5

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION - **DTM**

ALBERT K YU
JOCELYN C CHIANG

REVISOR BY
DATE REVISED

FUNCTIONAL SUPERVISOR
SAM ESQUENAZI

DESIGNED BY
CHECKED BY

DATE: 7/2/2010

USERNAME => s115484
DGN FILE => 73x910me005.dgn

RELATIVE BORDER SCALE IS IN INCHES

UNIT 1863

PROJECT NUMBER & PHASE

07130003241

DATE PLOTTED => 25-AUG-2014
TIME PLOTTED => 14:27

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10,90, 110	Var	15	131

REGISTERED CIVIL ENGINEER	DATE
<i>Albert K. Yu</i>	3-12-14
PLANS APPROVAL DATE	
7-21-14	

REGISTERED PROFESSIONAL ENGINEER	No.	Exp
ALBERT K. YU	43220	3/31/16
CIVIL		

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:

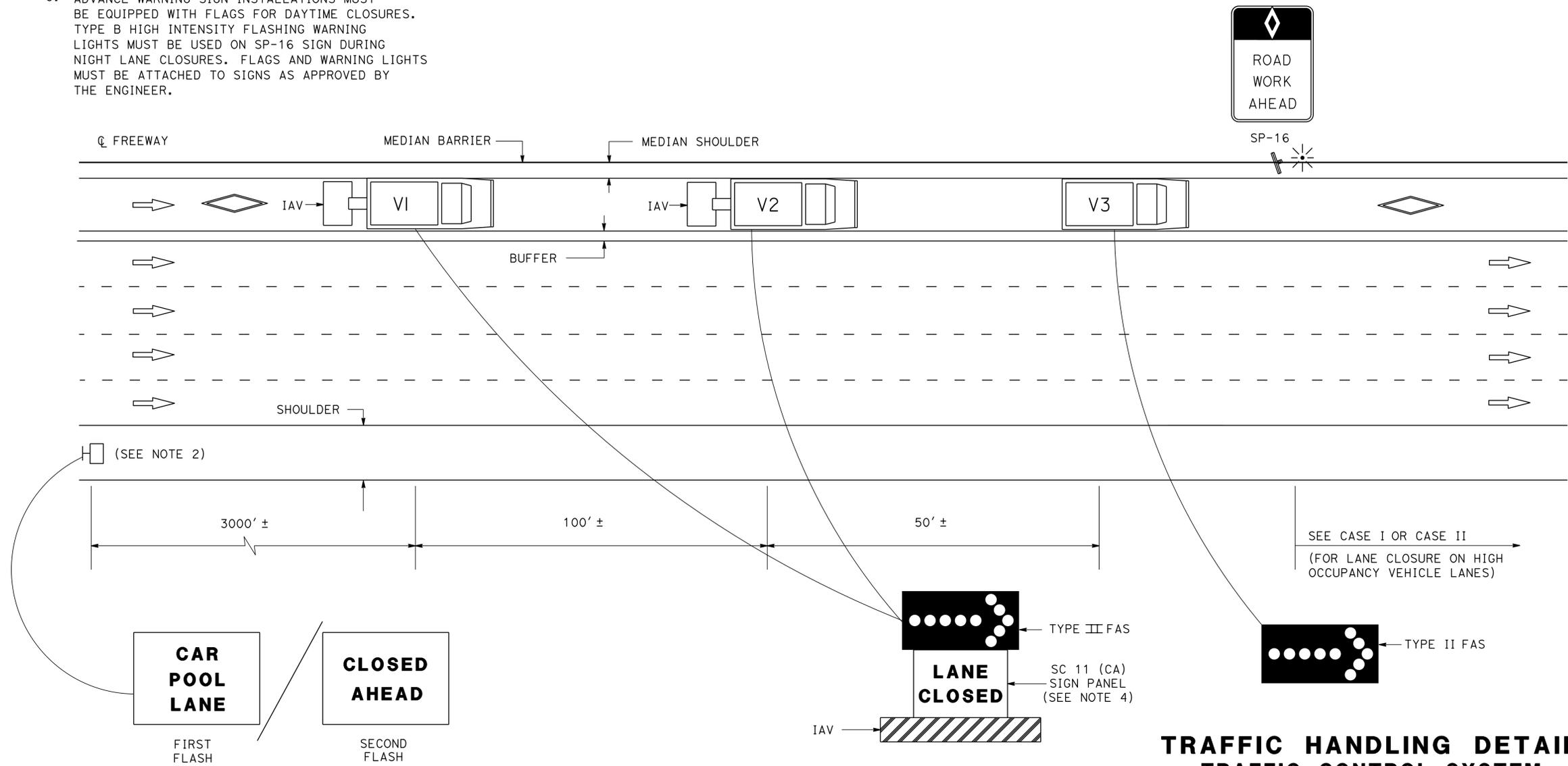
- LANE CLOSURES MUST NOT BE PLACED ON CREST VERTICAL CURVES OR ON HORIZONTAL CURVES.
- PCMS MUST BE ACTIVATED PRIOR TO TRAFFIC CONTROL ACTIVITIES ON THE HOV LANE.
- A MINIMUM SIGHT DISTANCE OF 1500' MUST BE PROVIDED IN ADVANCE OF PCMS.
- VEHICLE-MOUNTED SIGN PANELS MUST BE TYPE III OR IV RETROREFLECTORIZED SHEETING, BLACK ON WHITE OR BLACK ON ORANGE WITH 8" MINIMUM SERIES D LETTERS PER CALTRANS SIGN SPECIFICATIONS.
- PLACE PCMS ON THE MEDIAN SHOULDER WHERE SUFFICIENT ROOM (SUCH AS CHP ENFORCEMENT AREAS) EXISTS.
- ADVANCE WARNING SIGN INSTALLATIONS MUST BE EQUIPPED WITH FLAGS FOR DAYTIME CLOSURES. TYPE B HIGH INTENSITY FLASHING WARNING LIGHTS MUST BE USED ON SP-16 SIGN DURING NIGHT LANE CLOSURES. FLAGS AND WARNING LIGHTS MUST BE ATTACHED TO SIGNS AS APPROVED BY THE ENGINEER.

LEGEND

- V1, V2 SHADOW VEHICLES
- V3 WORK/APPLICATION VEHICLE
- PCMS
- PORTABLE FLASHING BEACON
- TEMPORARY TRAFFIC CONTROL SIGN
- FLASHING ARROW SIGN (FAS)

ABBREVIATIONS

- IAV IMPACT ATTENUATOR VEHICLE
- (CA) CALIFORNIA CODE
- CHP CALIFORNIA HIGHWAY PATROL



PCMS OR TRUCK MOUNTED CMS MESSAGE
(SEE NOTE 5)

**TRAFFIC HANDLING DETAILS
TRAFFIC CONTROL SYSTEM
FOR HIGH OCCUPANCY VEHICLE LANES
WITH MEDIAN SHOULDERS LESS THAN 8 FEET**

NO SCALE

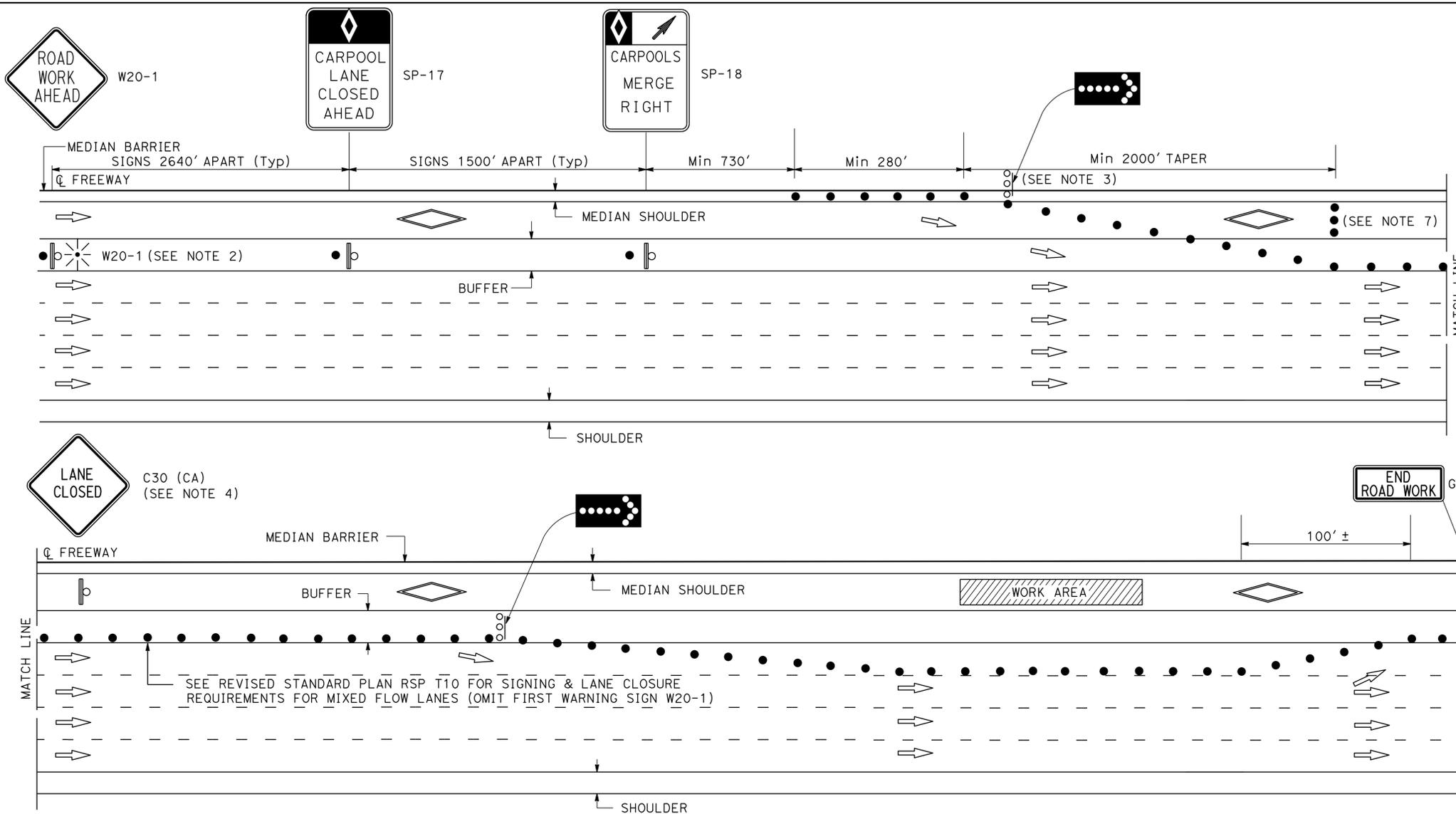
THD-6

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 DTM
 FUNCTIONAL SUPERVISOR
 SAM ESOUENAZI
 CALCULATED-DESIGNED BY
 CHECKED BY
 ALBERT K YU
 JOCELYN C CHIANG
 REVISED BY
 DATE REVISED
 JC
 2/14

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10,90, 110	Var	16	131

REGISTERED CIVIL ENGINEER DATE 3-12-14
 7-21-14 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.

REGISTERED PROFESSIONAL ENGINEER
 ALBERT K. YU
 No. 43220
 Exp 3/31/16
 CIVIL
 STATE OF CALIFORNIA



NOTES:

- AT LEAST ONE PERSON MUST BE ASSIGNED TO FULL TIME MAINTENANCE OF TRAFFIC CONTROL DEVICES ON NIGHT LANE CLOSURES OR DAY-TIME CLOSURES EXCEEDING 1 MILE LENGTH, INCLUDING TAPERS.
- ADVANCE WARNING SIGN INSTALLATIONS MUST BE EQUIPPED WITH FLAGS FOR DAYTIME CLOSURES. TYPE B HIGH INTENSITY FLASHING WARNING LIGHTS MUST BE USED ON W20-1 SIGNS DURING NIGHT LANE CLOSURES. FLAGS AND WARNING LIGHTS MUST BE ATTACHED TO SIGNS AS APPROVED BY THE ENGINEER.
- THE FLASHING ARROW SIGN MUST BE TYPE I.
- PLACE C30 (CA) SIGNS EVERY 2000' THROUGHOUT THE LENGTH OF LANE CLOSURES.
- A MINIMUM 1500' OF SIGHT DISTANCE MUST BE PROVIDED WHERE POSSIBLE FOR VEHICLES APPROACHING FLASHING ARROW SIGNS. LANE CLOSURES MUST NOT BE PLACED ON CREST VERTICAL CURVES OR ON HORIZONTAL CURVES.
- PORTABLE DELINEATORS PLACED AT ONE-HALF THE SPACING INDICATED FOR TRAFFIC CONES MAY BE USED INSTEAD OF CONES FOR DAYTIME CLOSURES.
- A MINIMUM OF 3 CONES MUST BE PLACED TRANSVERSELY ACROSS CLOSED LANES WHERE TAPERS END AND EVERY 2000'. TWO TYPE II BARRICADES MAY BE USED INSTEAD OF 3 CONES. THE ALIGNMENT OF CONES OR BARRICADES MAY BE SHIFTED FROM THE TRANSVERSE ALIGNMENT TO PROVIDE ACCESS TO WORK.
- SIGNS SP-17, SP-18, AND C30 (CA) MUST BE BLACK ON ORANGE BACKGROUND. DIAMONDS ON SIGNS MUST BE WHITE.
- THE MAXIMUM SPACING BETWEEN CONES MUST BE APPROXIMATELY 50' IN A TAPER AND 100' ON TANGENT.

LEGEND

- TRAFFIC CONE
- PORTABLE FLASHING BEACON
- FLASHING ARROW SIGN (FAS)
- TEMPORARY TRAFFIC CONTROL SIGN
- FAS SUPPORT OR TRAILER

SIGN PANEL

SIZE (Min)
W20-1 48" X 48"
SP-17 36" X 54"
SP-18 36" X 48"
C30 (CA) 30" X 30"
G20-2 48" X 24"

ABBREVIATIONS

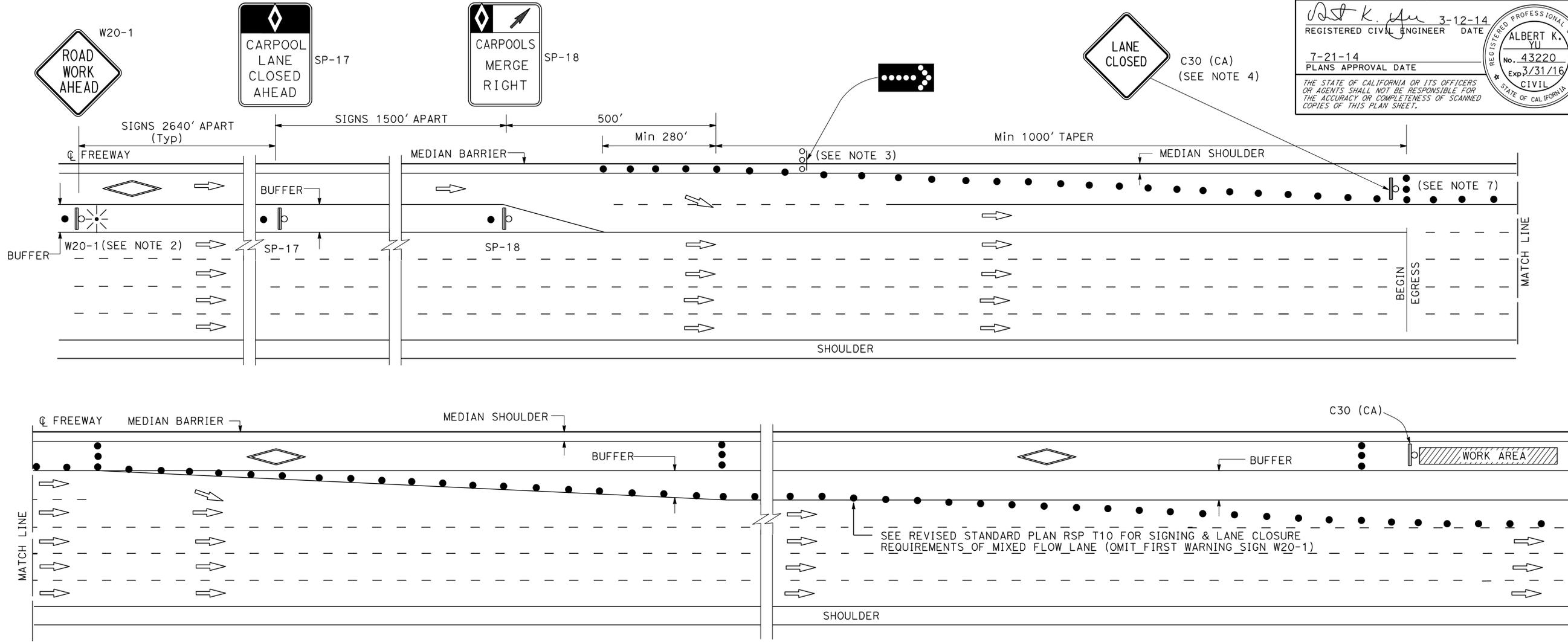
(CA) CALIFORNIA CODE

TRAFFIC HANDLING DETAILS
TRAFFIC CONTROL SYSTEM
FOR ROUTE 10 (EL MONTE BUSWAY)
AT NON-INGRESS/EGRESS AREAS
CASE I
 NO SCALE **THD-7**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 DT M
 FUNCTIONAL SUPERVISOR
 SAM ESQUENAZI
 CHECKED BY
 ALBERT K YU
 JOCELYN C CHIANG
 REVISED BY
 DATE REVISED
 2/14

LAST REVISION DATE PLOTTED => 25-AUG-2014 TIME PLOTTED => 14:28

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10,90,110	Var	17	131
<i>Albert K. Yu</i> REGISTERED CIVIL ENGINEER DATE 3-12-14			7-21-14 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.					



NOTES:

- AT LEAST ONE PERSON MUST BE ASSIGNED TO FULL TIME MAINTENANCE OF TRAFFIC CONTROL DEVICES ON NIGHT LANE CLOSURES OR DAY-TIME CLOSURES EXCEEDING 1 MILE LENGTH, INCLUDING TAPERS.
- ADVANCE WARNING SIGN INSTALLATIONS MUST BE EQUIPPED WITH FLAGS FOR DAYTIME CLOSURES. TYPE B HIGH INTENSITY FLASHING WARNING LIGHTS MUST BE USED ON W20-1 SIGNS DURING NIGHT LANE CLOSURES. FLAGS AND WARNING LIGHTS MUST BE ATTACHED TO SIGNS AS APPROVED BY THE ENGINEER.
- THE FLASHING ARROW SIGN MUST BE TYPE I.
- PLACE C30 (CA) SIGNS EVERY 2000' THROUGHOUT THE LENGTH OF LANE CLOSURES.
- A MINIMUM 1500' OF SIGHT DISTANCE MUST BE PROVIDED WHERE POSSIBLE FOR VEHICLES APPROACHING FLASHING ARROW SIGNS. LANE CLOSURES MUST NOT BE PLACED ON CREST VERTICAL CURVES OR ON HORIZONTAL CURVES.
- PORTABLE DELINEATORS PLACED AT ONE-HALF THE SPACING INDICATED FOR TRAFFIC CONES MAY BE USED INSTEAD OF CONES FOR DAYTIME CLOSURES.
- A MINIMUM OF 3 CONES MUST BE PLACED TRANSVERSELY ACROSS CLOSED LANES WHERE TAPERS END AND EVERY 2000'. TWO TYPE II BARRICADES MAY BE USED INSTEAD OF 3 CONES. THE ALIGNMENT OF CONES OR BARRICADES MAY BE SHIFTED FROM THE TRANSVERSE ALIGNMENT TO PROVIDE ACCESS TO WORK.
- SIGNS SP-17, SP-18, AND C30 (CA) MUST BE BLACK ON ORANGE BACKGROUND. DIAMONDS ON SIGNS MUST BE WHITE.
- THE MAXIMUM SPACING BETWEEN CONES MUST BE APPROXIMATELY 50' IN A TAPER AND 100' ON TANGENT.

LEGEND

- TRAFFIC CONE
- PORTABLE FLASHING BEACON
- FLASHING ARROW SIGN (FAS)
- TEMPORARY TRAFFIC CONTROL SIGN
- FAS SUPPORT OR TRAILER

SIGN PANEL

SIZE (MIN)
W20-1 48" X 48"
SP-17 36" X 54"
SP-18 36" X 48"
C30 (CA) 30" X 30"

ABBREVIATIONS

(CA) CALIFORNIA CODE

**TRAFFIC HANDLING DETAILS
TRAFFIC CONTROL SYSTEM
FOR ROUTE 10 (EL MONTE BUSWAY)
AND ADJACENT FREEWAY LANES
AT EGRESS AREAS
CASE II**

NO SCALE

THD-8

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
FUNCTIONAL SUPERVISOR
SAM ESOUENAZI
DESIGNED BY
ALBERT K YU
CHECKED BY
JOCELYN C CHIANG
REVISED BY
JC
DATE REVISED
2/14

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90 110	Var	18	131

<i>Kenny Nguyen</i>	5/22/14	
REGISTERED ELECTRICAL ENGINEER	DATE	
7-21-14		
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.

NOTES: (SHEETS E-2 TO E-42)

- POLE REFERENCE NUMBERS ARE POST MILES LOCATIONS WITH RESPECT TO MAINLINE CENTER LINE.
- RC ALL Exist SERIES Ltg CIRCUIT BALLASTS.
- EXCEPT STRUCTURE PULL BOXES, INSTALL TAMPER RESISTANT COVERS ON ALL PULL BOXES. FOR DETAILS, SEE SHEET E-78.

LEGEND: (SHEETS E-2 TO E-42)

- 1 INSTALL ALUMINUM CONDUCTORS.
- RC Exist SIGN Ltg EQUIPMENT.
- RC SOFFIT LAMP AND BALLAST. INSTALL SOFFIT LAMP AND BALLAST.
- RC ELECTROLIER and Xfmr. INSTALL ELECTROLIER.
- INSTALL 235 W LED Lum.
- INSTALL 165 W LED Lum.
- Exist 2"C, RC CONDUCTORS. ADD 2#6, 1#8 (G).
- RC POLE-MOUNTED SERIES SERVICE EQUIPMENT.
- INSTALL 3"C TYPE H RISER, CONDUCTORS BY OTHERS.
- Exist 1 1/2"C, RC CONDUCTORS. ADD 2#6, 1#8 (G).
- Exist 1 1/2"C, RC CONDUCTORS. ADD 2#4, 1#8 (G).
- Exist 1 1/2"C, RC CONDUCTORS. ADD 2#4, 4#6, 1#8 (G).
- Exist 1 1/2"C, RC CONDUCTORS. ADD 2#6, 2#4, 1#8 (G).
- Exist 1 1/2"C, RC CONDUCTORS. ADD 6#6, 2#4, 1#8 (G).
- INSTALL 2"C, 2#6, 1#8 (G).
- INSTALL 2"C, 4#6, 1#8 (G).
- INSTALL 2"C, 2#4, 1#8 (G).
- INSTALL 2"C, 2#6, 2#4, 1#8 (G).
- INSTALL 2"C, 6#6, 1#8 (G).
- INSTALL 2"C, 6#6, 2#4, 1#8 (G).
- INSTALL PULL BOX No. 2 PER CITY OF LOS ANGELES DETAILS.
- RC CONDUCTORS, ADD 4#6, 1#8 (G).
- INSTALL 2"C, 4#4, 1#8 (G).
- Exist 1 1/2"C, RC CONDUCTORS, ADD 3#6, 1#8 (G).

LEGEND: (CONTINUED)

- RC Exist Lum, RC Xfmr, AND INSTALL A NEW 235 W LED Lum.
- RC Exist Lum, RC Xfmr, AND INSTALL A NEW 165 W LED Lum.
- RC TYPE 10 ELECTROLIER.
- Exist STRUCTURE PB WITH NEW PB COVER.
- Exist SOFFIT LAMP AND BALLAST. REPLACE GLASS COVER WITH STEEL COVER.
- RC EXISTING CITY LUMINAIRE AND INSTALL A 165 W LED Lum.
- RC EXISTING CITY LUMINAIRE AND INSTALL A 235 W LED Lum.

WIRING DIAGRAM LEGEND: (SHEETS E-43 TO E-61)

- INSTALL 235 W LED Lum.
- INSTALL 165 W LED Lum.
- INSTALL 85 W ISL LAMP AND BALLAST.
- INSTALL CONDUCTOR.
- RC Exist LAMP AND BALLAST.
- RC Exist SIGN LAMP AND BALLAST.
- INSTALL 100 W HPS SOFFIT LAMP AND BALLAST.
- RC Exist SOFFIT LAMP AND BALLAST.
- RC Exist CONDUCTOR.
- SPLICE CONDUCTOR.
- Exist SPLICE.
- Exist LAMP TO REMAIN.
- Exist CONDUCTOR TO REMAIN.
- Exist SIGN Ltg TO REMAIN.

MODIFY LIGHTING AND SIGN ILLUMINATION

E-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN
 KENNY NGUYEN
 HASSAN MANNA
 HASSAN MANNA
 HASSAN MANNA

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90, 110	Var	20	131

5/22/14
 REGISTERED ELECTRICAL ENGINEER DATE
 7-21-14
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CESAR HERNANDEZ
 No. 15805
 Exp. 12/31/14
 ELECTRICAL
 STATE OF CALIFORNIA

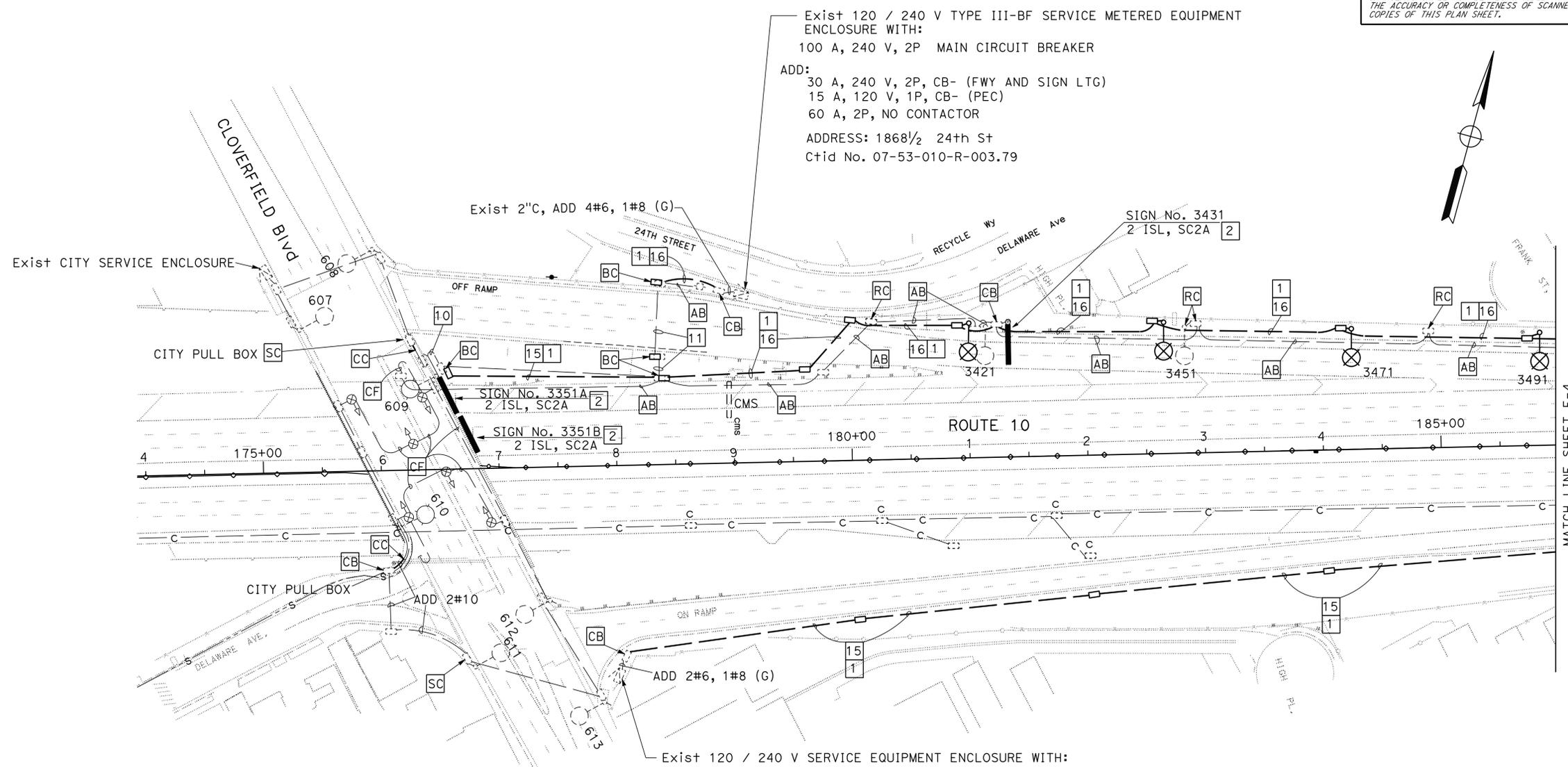
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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
St. Gobans
TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR
 HASSAN MANNA

CALCULATED-DRAWN BY
 BASHAR NASSER
 CHECKED BY
 CESAR HERNANDEZ

REVISED BY
 DATE REVISED



NOTES: (SHEETS E-3 AND E-4)

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. USE ALUMINUM CONDUCTORS ON FREEWAY AND SOFFIT LIGHTING CIRCUITS.
3. FOR NOTES AND LEGENDS, SEE SHEET E-1.
4. FOR WIRING DIAGRAM, SEE SHEET E-44

WARNING

BEFORE STARTING WORK ON EXISTING SERIES LIGHTING CIRCUITS THE CONTRACTOR SHALL OBTAIN DAILY SAFETY CIRCUIT CLEARANCE FROM SERVING COMPANIES, DISCONNECT CIRCUITS, AND PLACE "MEN AT WORK" SIGNS NEAR OPEN SWITCHES.

APPROVED FOR ELECTRICAL WORK ONLY

MODIFY LIGHTING AND SIGN ILLUMINATION

SCALE 1" = 50'

E-3

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90, 110	Var	21	131

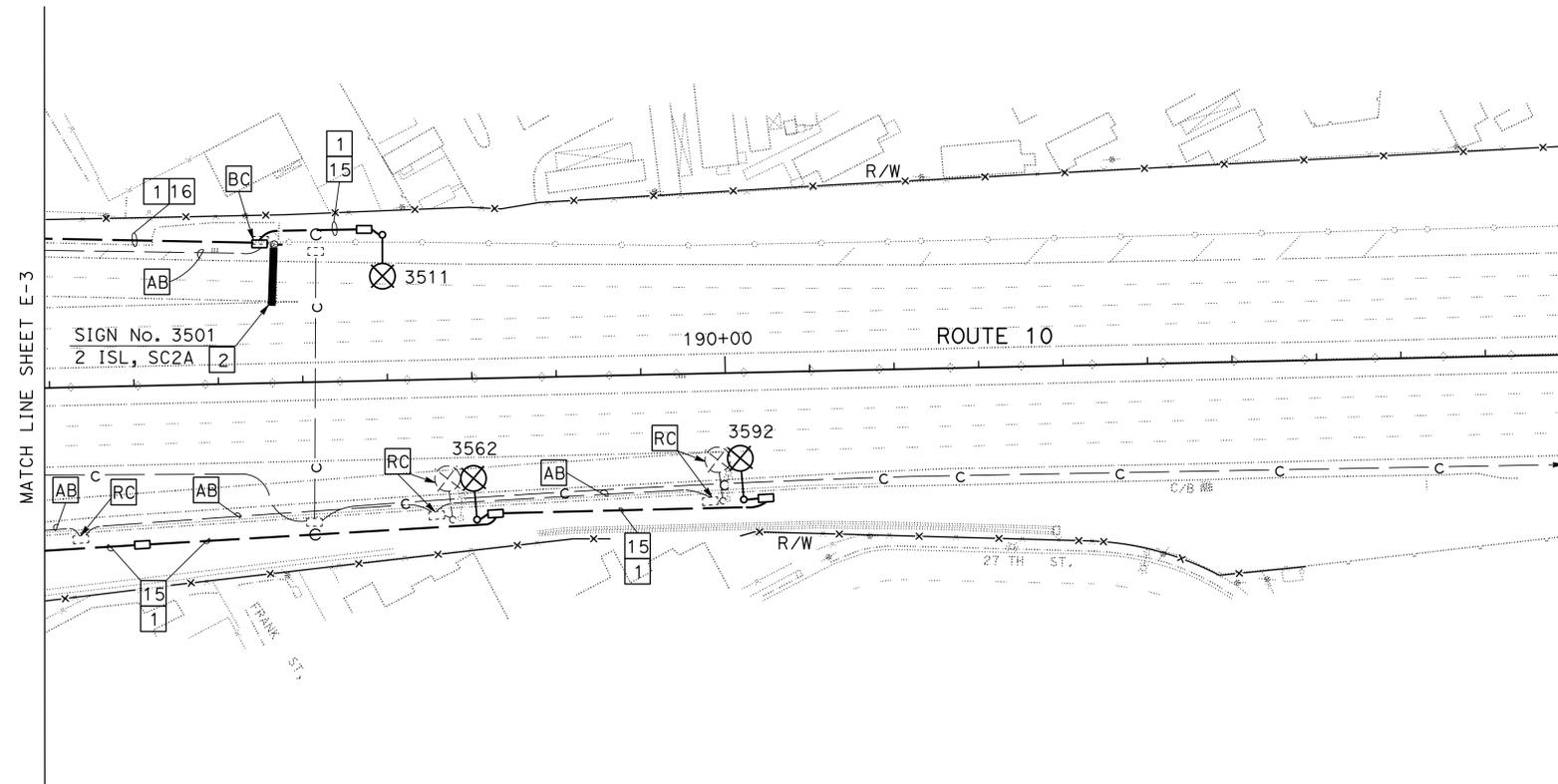
<i>Cesar Hernandez</i>	5/22/14
REGISTERED ELECTRICAL ENGINEER	DATE
7-21-14	
PLANS APPROVAL DATE	

REGISTERED PROFESSIONAL ENGINEER
 CESAR HERNANDEZ
 No. 15805
 Exp. 12/31/14
 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.

NOTES: (SHEETS E-3 AND E-4)

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. USE ALUMINUM CONDUCTORS ON FREEWAY AND SOFFIT LIGHTING CIRCUITS.
3. FOR NOTES AND LEGENDS, SEE SHEET E-1.
4. FOR WIRING DIAGRAM, SEE SHEET E-44



WARNING
 BEFORE STARTING WORK ON EXISTING SERIES LIGHTING CIRCUITS THE CONTRACTOR SHALL OBTAIN DAILY SAFETY CIRCUIT CLEARANCE FROM SERVING COMPANIES, DISCONNECT CIRCUITS, AND PLACE "MEN AT WORK" SIGNS NEAR OPEN SWITCHES.

MODIFY LIGHTING AND SIGN ILLUMINATION

SCALE: 1"=50'

APPROVED FOR ELECTRICAL WORK ONLY

E-4

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	DESIGNED BY	REVISOR
Caltrans	HASSAN MANNA	CESAR HERNANDEZ	DATE
TRAFFIC DESIGN	HASSAN MANNA	HASSAN MANNA	REVISION

DATE PLOTTED => 25-AUG-2014
 TIME PLOTTED => 14:28
 LAST REVISION
 12-14-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90, 110	Var	22	131

REGISTERED ELECTRICAL ENGINEER	DATE
<i>Cesar Hernandez</i>	5/22/14
PLANS APPROVAL DATE	

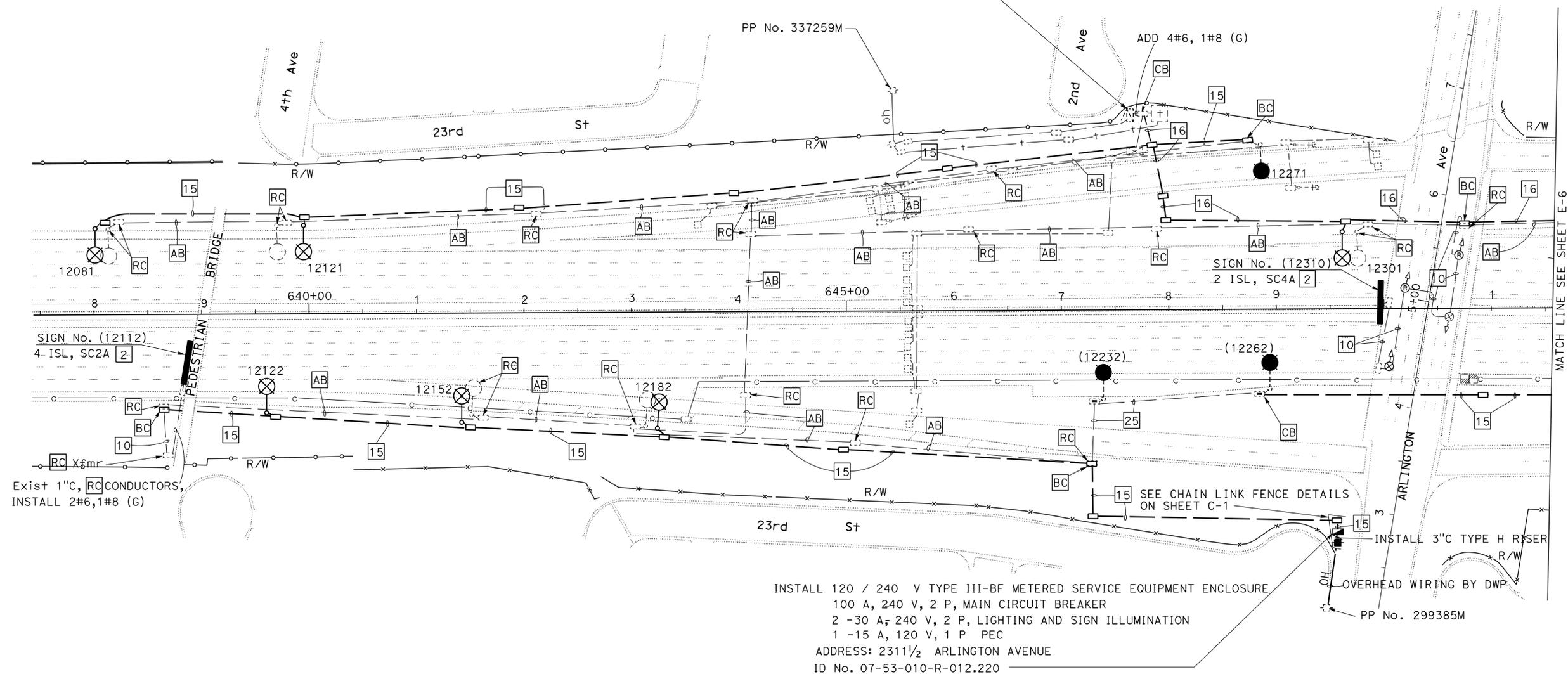
REGISTERED PROFESSIONAL ENGINEER	NO.	EXPIRES
CESAR HERNANDEZ	15805	12/31/14
ELECTRICAL		

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)

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- FOR NOTES AND LEGENDS, SEE SHEET E-1.
- FOR WIRING DIAGRAM, SEE SHEET E-45

- EXISTING 120/240 V TYPE III-BF SERVICE EQUIPMENT ENCLOSURE WITH:
- 100 A, 240 V, 2 P MAIN CIRCUIT BREAKER
 - 40 A, 120 V, 1 P RAMP METERING
 - 20 A, 120 V, 1 P TELEPHONE DEMARCATION CABINET
- ADD:
- 2 -30 A, 240 V, 2 P LIGHTING AND SIGN ILLUMINATION
 - 2 -60 A, 2 P NO CONTACTOR
 - 1 -15 A, 120 V, 1 P PEC
- ADDRESS: 2118 1/2 SECOND AVENUE
ID No. 07-53-010-R-012.251



SIGN No. (12112)
4 ISL, SC2A [2]

Exist 1" C, RC CONDUCTORS,
INSTALL 2#6, 1#8 (G)

INSTALL 120 / 240 V TYPE III-BF METERED SERVICE EQUIPMENT ENCLOSURE
100 A, 240 V, 2 P, MAIN CIRCUIT BREAKER
2 -30 A, 240 V, 2 P, LIGHTING AND SIGN ILLUMINATION
1 -15 A, 120 V, 1 P PEC
ADDRESS: 2311 1/2 ARLINGTON AVENUE
ID No. 07-53-010-R-012.220

WARNING
BEFORE STARTING WORK ON EXISTING SERIES LIGHTING CIRCUITS THE CONTRACTOR SHALL OBTAIN DAILY SAFETY CIRCUIT CLEARANCE FROM SERVING COMPANIES, DISCONNECT CIRCUITS, AND PLACE "MEN AT WORK" SIGNS NEAR OPEN SWITCHES.

MODIFY LIGHTING AND SIGN ILLUMINATION
SCALE 1" = 50'

APPROVED FOR ELECTRICAL WORK ONLY

E-5

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR: HASSAN MANNA
DESIGNED BY: CESAR HERNANDEZ
CHECKED BY: [Blank]
REVISOR: [Blank]
DATE REVISOR: [Blank]

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90, 110	Var	24	131

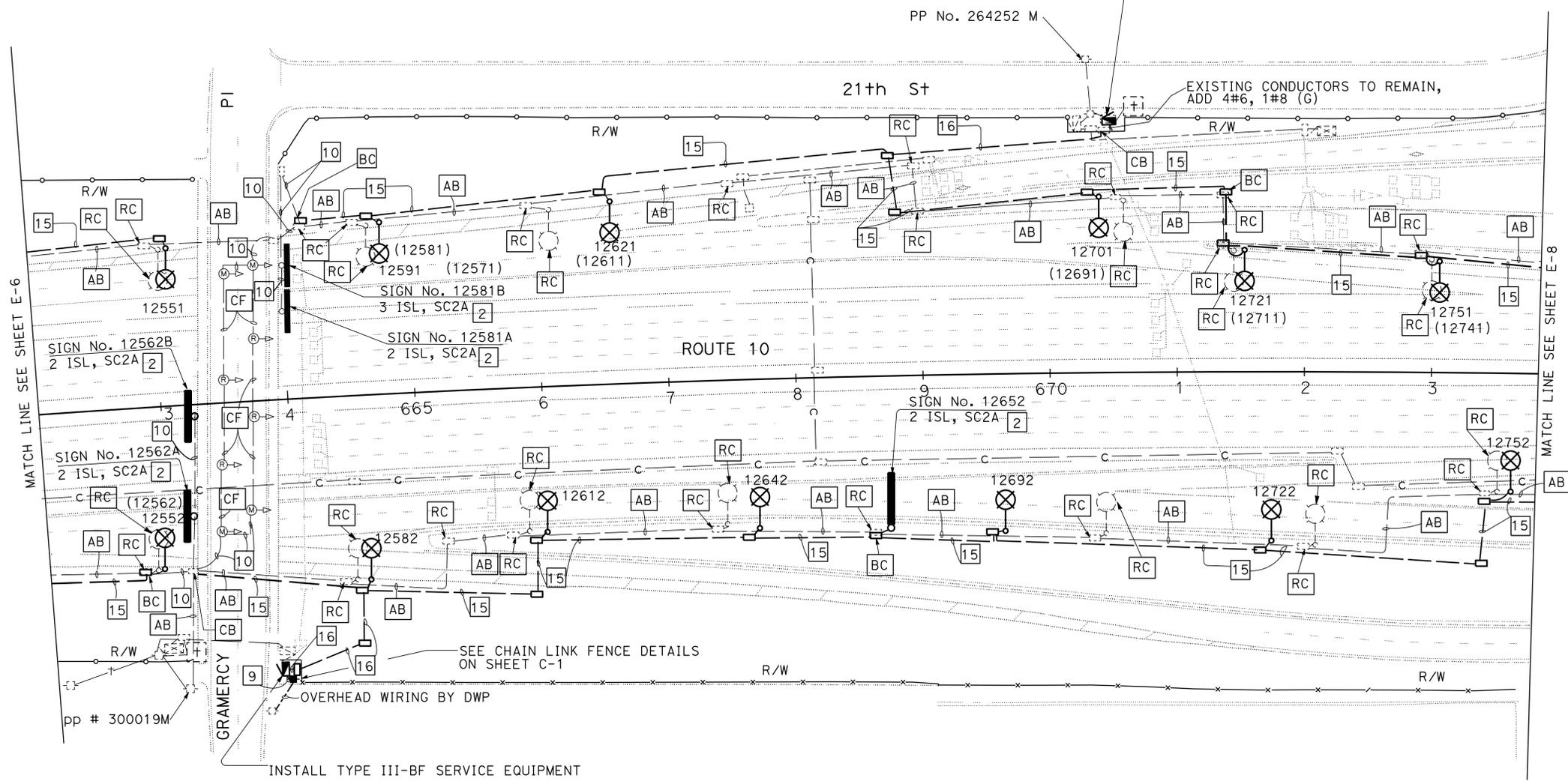
<i>Cesar Hernandez</i>	5/22/14
REGISTERED ELECTRICAL ENGINEER	DATE
7-21-14	PLANS APPROVAL DATE
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.	

REGISTERED PROFESSIONAL ENGINEER
CESAR HERNANDEZ
 No. 15805
 Exp. 12/31/14
 ELECTRICAL
 STATE OF CALIFORNIA

NOTES: (THIS SHEET ONLY)

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- FOR NOTES AND LEGENDS SEE SHEET E-1.
- FOR WIRING DIAGRAM, SEE SHEET E-45.

RC EXISTING SERVICE CABINET, INSTALL 120/240 V TYPE III-BF SERVICE EQUIPMENT ENCLOSURE ON EXISTING FOUNDATION WITH TYPE V PEC AND:
 200 A, 240 V, 2P MAIN CIRCUIT BREAKER
 40 A, 240 V, 2P CONTROLLER CABINET
 30 A, 120 V, 1P RAMP METERING
 20 A, 120 V, 1P TELEPHONE DEMARCATION CABINET
 20 A, 120 V, 1P IRRIGATION
 2-30 A, 120 V, 2P LIGHTING AND SIGN ILLUMINATION
 1-15 A, 120 V, 1P PEC
 ADDRESS: 2120 1/2 21TH ST STREET
 Ctid: 07-053-010-R-012.700



INSTALL TYPE III-BF SERVICE EQUIPMENT
 ENCLOSURE WITH TYPE V PEC AND
 100 A, 240 V, 2P MAIN CIRCUIT BREAKER
 2-30 A, 240 V, 2P LIGHTING AND SIGN ILLUMINATION.
 1-15 A, 120 V, 1P PEC
 ADDRESS: 2302 1/2 S. GRAMERCY AVENUE
 Ctid: 07-53-010-R-012.600

WARNING

BEFORE STARTING WORK ON EXISTING SERIES LIGHTING CIRCUITS THE CONTRACTOR SHALL OBTAIN DAILY SAFETY CIRCUIT CLEARANCE FROM SERVING COMPANIES, DISCONNECT CIRCUITS, AND PLACE "MEN AT WORK" SIGNS NEAR OPEN SWITCHES.

MODIFY LIGHTING AND SIGN ILLUMINATION
 SCALE 1"=50'

APPROVED FOR ELECTRICAL WORK ONLY

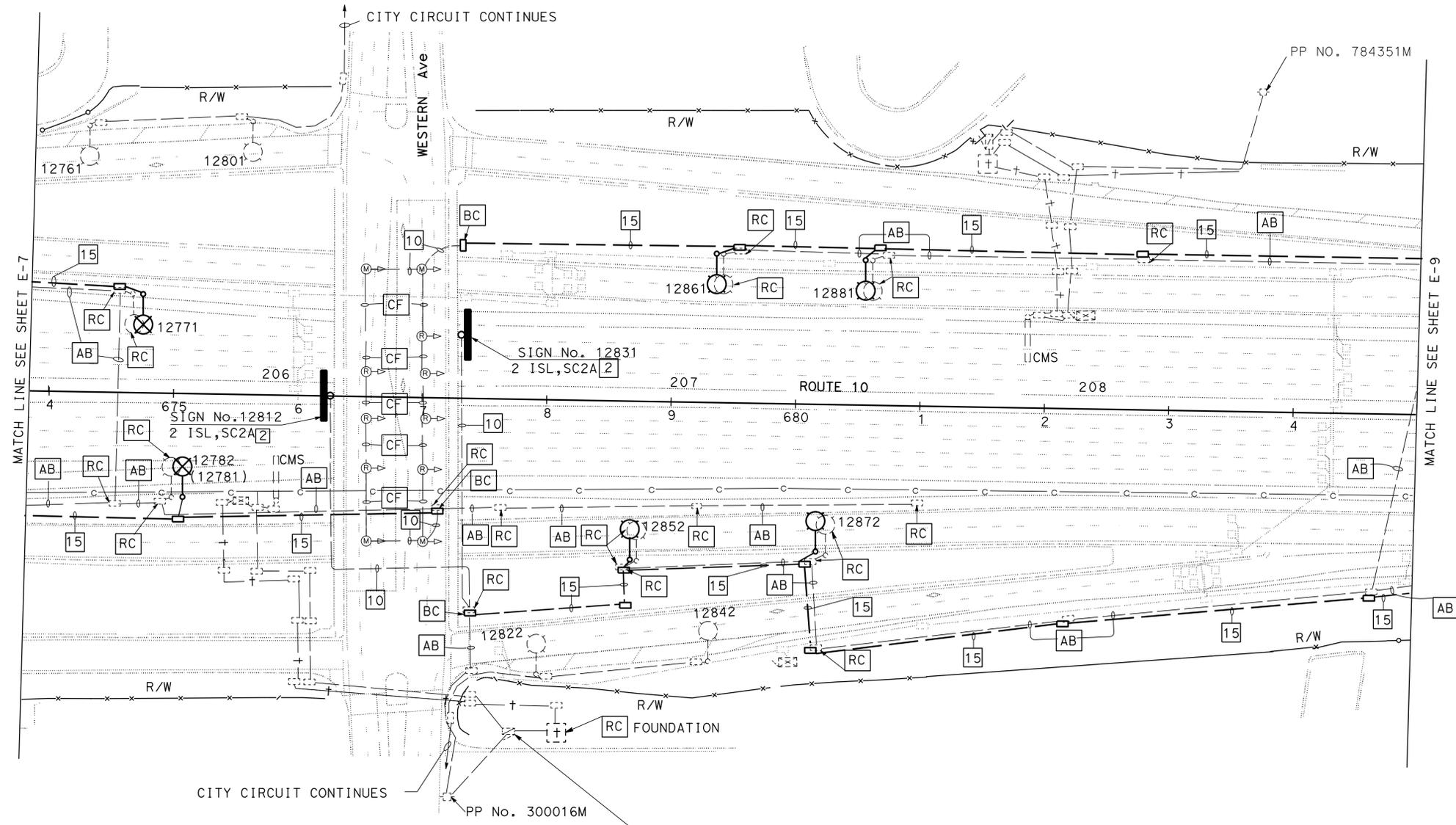
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION - **Traffic Design**
 FUNCTIONAL SUPERVISOR: HASSAN MANNA
 CALCULATED/DESIGNED BY: Y. SHADROOZ
 CHECKED BY: CESAR HERNANDEZ
 REVISED BY: []
 DATE REVISED: []

LAST REVISION: 00-00-00
 DATE PLOTTED => 25-AUG-2014
 TIME PLOTTED => 14:28

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90, 110	Var	25	131
			5/22/14	REGISTERED ELECTRICAL ENGINEER DATE	
7-21-14			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: (THIS SHEET)

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. FOR WIRING DIAGRAM, SEE SHEETS E-45, E-46.
3. FOR NOTES AND LEGENDS, SEE SHEET E-1



WARNING

BEFORE STARTING WORK ON EXISTING SERIES LIGHTING CIRCUITS THE CONTRACTOR SHALL OBTAIN DAILY SAFETY CIRCUIT CLEARANCE FROM SERVING COMPANIES, DISCONNECT CIRCUITS, AND PLACE "MEN AT WORK" SIGNS NEAR OPEN SWITCHES.

EXISTING 120/240 V TYPE III-BF SERVICE
EQUIPMENT ENCLOSURE
ADDRESS: 20011/2 22nd STREET

APPROVED FOR ELECTRICAL WORK ONLY

**MODIFY LIGHTING AND
SIGN ILLUMINATION**
SCALE 1"=50'

E-8

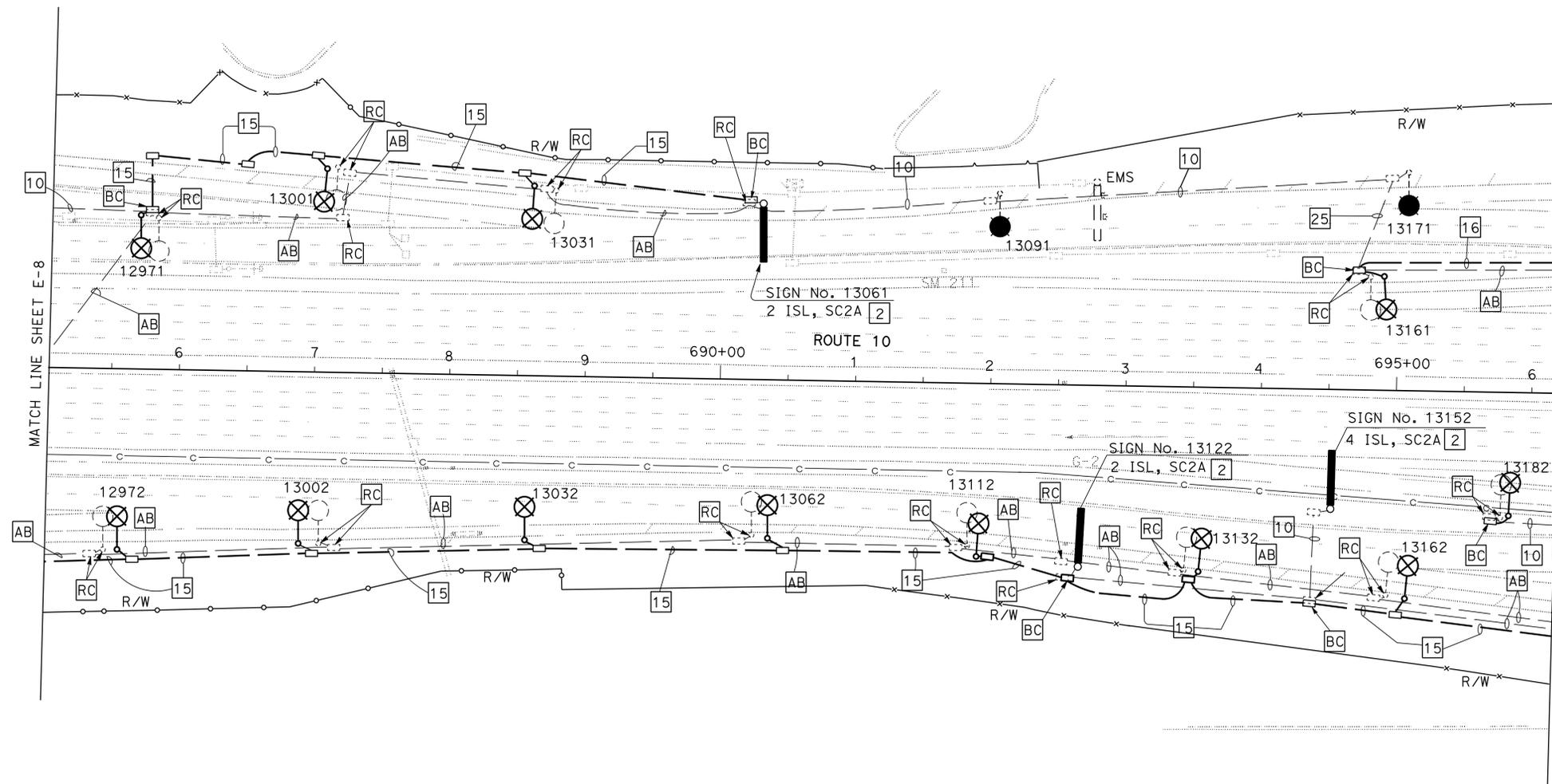
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION - **Caltrans** - **TRAFFIC DESIGN**
 FUNCTIONAL SUPERVISOR: HASSAN MANNA
 CALCULATED/DESIGNED BY: Y. SHADROOZ
 CHECKED BY: CESAR HERNANDEZ
 REVISED BY: []
 DATE REVISED: []

LAST REVISION: 00-00-00
 DATE PLOTTED => 25-AUG-2014
 TIME PLOTTED => 14:28

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90, 110	Var	26	131
		5/22/14		REGISTERED ELECTRICAL ENGINEER DATE	
		7-21-14		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.					

NOTES: (THIS SHEET ONLY)

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. FOR NOTES AND LEGENDS, SEE SHEET E-1.
3. FOR WIRING DIAGRAM, SEE SHEET E-46.



WARNING

BEFORE STARTING WORK ON EXISTING SERIES LIGHTING CIRCUITS THE CONTRACTOR SHALL OBTAIN DAILY SAFETY CIRCUIT CLEARANCE FROM SERVING COMPANIES, DISCONNECT CIRCUITS, AND PLACE "MEN AT WORK" SIGNS NEAR OPEN SWITCHES.

MODIFY LIGHTING AND SIGN ILLUMINATION

SCALE 1" = 50'

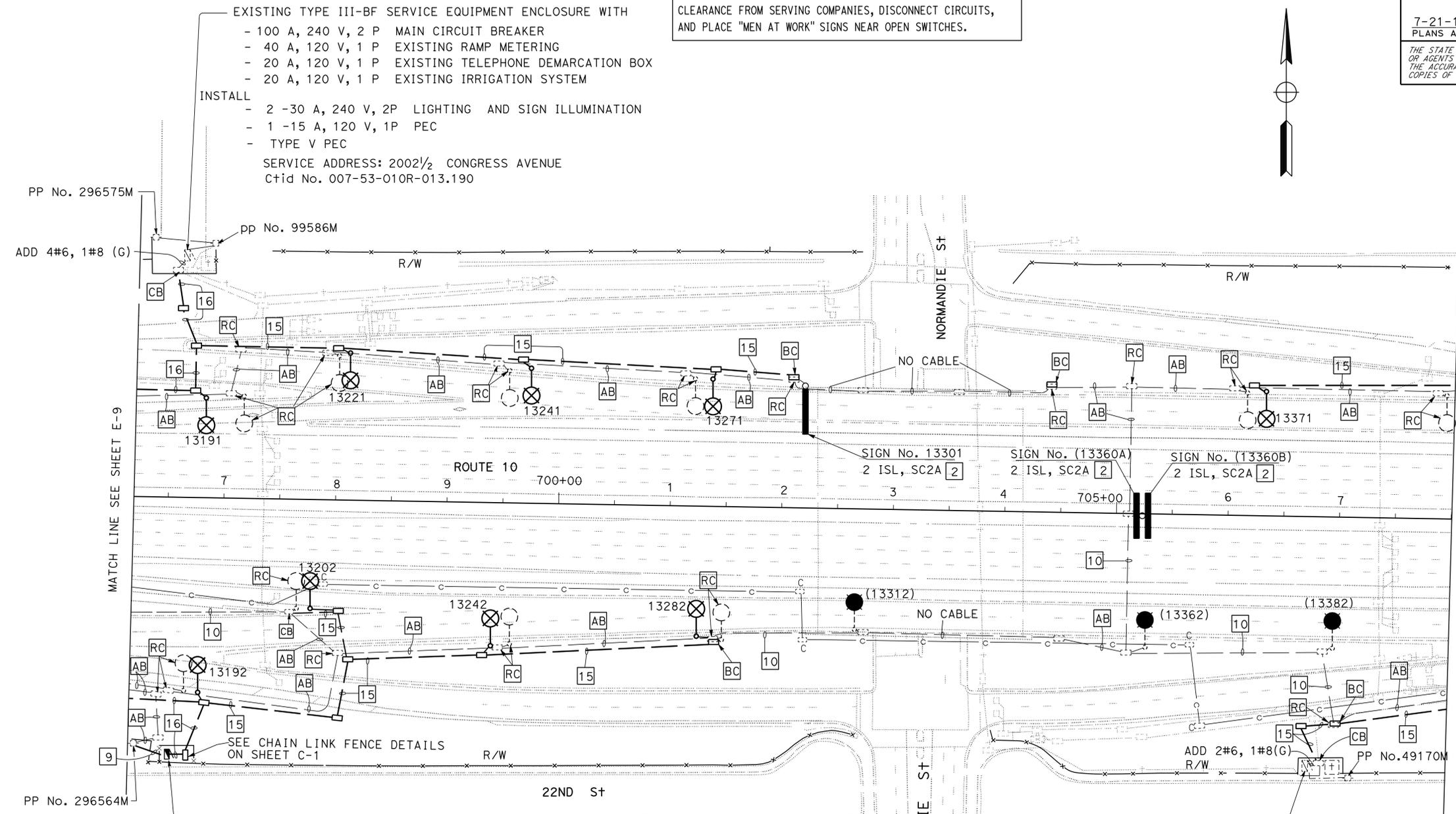
APPROVED FOR ELECTRICAL WORK ONLY

E-9

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans **TRAFFIC DESIGN**
 FUNCTIONAL SUPERVISOR: HASSAN MANNA
 CALCULATED/DESIGNED BY: HASSAN MANNA
 CHECKED BY: HASSAN MANNA
 REVISED BY: CESAR HERNANDEZ
 DATE REVISED: HASSAN MANNA

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90, 110	Var	27	131
			5/22/14	REGISTERED ELECTRICAL ENGINEER DATE	
7-21-14			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.					

WARNING
 BEFORE STARTING WORK ON EXISTING SERIES LIGHTING CIRCUITS THE CONTRACTOR SHALL OBTAIN DAILY SAFETY CIRCUIT CLEARANCE FROM SERVING COMPANIES, DISCONNECT CIRCUITS, AND PLACE "MEN AT WORK" SIGNS NEAR OPEN SWITCHES.



EXISTING TYPE III-BF SERVICE EQUIPMENT ENCLOSURE WITH
 - 100 A, 240 V, 2 P MAIN CIRCUIT BREAKER
 - 40 A, 120 V, 1 P EXISTING RAMP METERING
 - 20 A, 120 V, 1 P EXISTING TELEPHONE DEMARCATION BOX
 - 20 A, 120 V, 1 P EXISTING IRRIGATION SYSTEM

INSTALL
 - 2 -30 A, 240 V, 2P LIGHTING AND SIGN ILLUMINATION
 - 1 -15 A, 120 V, 1P PEC
 - TYPE V PEC

SERVICE ADDRESS: 2002 1/2 CONGRESS AVENUE
 Ctid No. 007-53-010R-013.190

INSTALL 120 / 240 V TYPE III-BF METERED SERVICE EQUIPMENT ENCLOSURE WITH
 - 100 A, 240 V, 2 P MAIN CIRCUIT BREAKER
 - 2 -30 A, 240 V, 2 P LIGHTING AND SIGN ILLUMINATION
 - 1 -15 A, 120 V, 1 P PEC

SERVICE ADDRESS: 1875 1/2 22ND STREET
 Ctid No. 07-53-010-R-013.120

EXISTING 120/240 V TYPE III-BF SERVICE EQUIPMENT ENCLOSURE WITH EXISTING
 - 100 A, 240 V, 2P MAIN CIRCUIT BEAKER
 - 40 A, 120 V, 1P RAMP METERING
 - 20 A, 120 V, 1P TELEPHONE DEMARCATION CABINET

INSTALL
 - 1 -30 A, 240 V, 2P LIGHTING AND SIGN ILLUMINATION
 - 1 -15 A, 120 V, 1P PEC
 - TYPE V PEC

ADDRESS: 1753 1/2 22ND STREET
 Ctid No. 07-53-010-R-013.380

- NOTES: (THIS SHEET ONLY)**
1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
 2. FOR NOTES AND LEGENDS, SEE SHEET E-1.
 3. FOR WIRING DIAGRAM, SEE SHEET E-46

MODIFY LIGHTING AND SIGN ILLUMINATION
 SCALE 1" = 50'

APPROVED FOR ELECTRICAL WORK ONLY

E-10

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION - **Caltrans** - **TRAFFIC DESIGN**

REVISOR: CESAR HERNANDEZ, HASSAN MANNA
 CHECKED BY: HASSAN MANNA
 SUPERVISOR: HASSAN MANNA

DATE PLOTTED => 25-AUG-2014
 TIME PLOTTED => 14:28
 LAST REVISION 00-00-00

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90, 110	Var	28	131

<i>Cesar Hernandez</i>	5/22/14
REGISTERED ELECTRICAL ENGINEER	DATE
7-21-14	
PLANS APPROVAL DATE	

REGISTERED PROFESSIONAL ENGINEER
 CESAR HERNANDEZ
 No. 15805
 Exp. 12/31/14
 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.

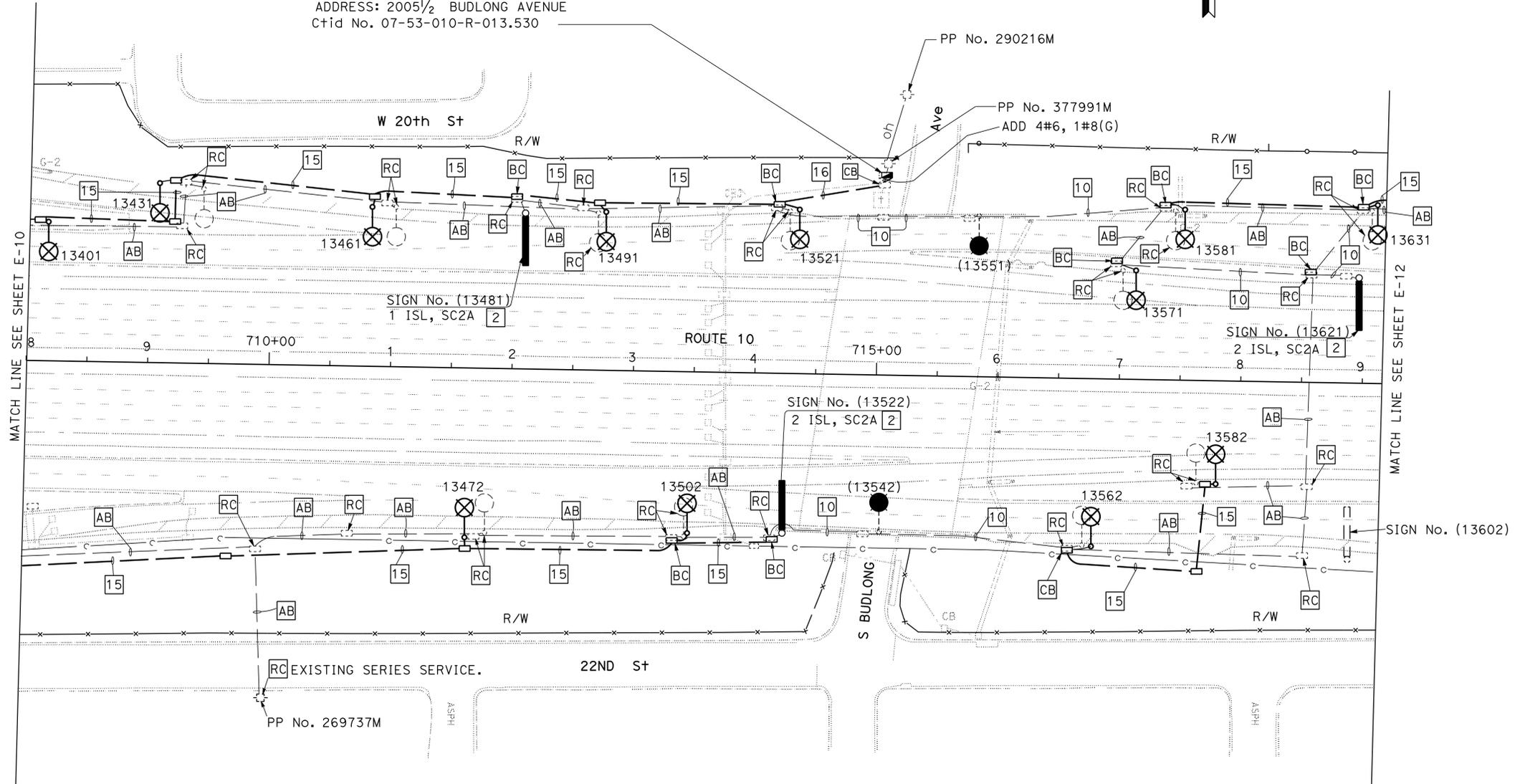
NOTES: (THIS SHEET ONLY)

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- FOR NOTES AND LEGENDS, SEE SHEET E-1.
- FOR WIRING DIAGRAM, SEE SHEET E-46

RC EXISTING SERVICE CABINET. INSTALL 120/240 VTYPE III-BF SERVICE EQUIPMENT ENCLOSURE ON EXISTING FOUNDATION WITH TYPE V PEC AND

- 100 A, 240 V, 2P MAIN CIRCUIT BREAKER
- 30 A, 120 V, 1P RAMP METERING
- 20 A, 120 V, 1P TELEPHONE DERMACATION CABINET
- 2 -30 A, 240 V, 2P LIGHTING AND SIGN ILLUMINATION
- 1 -15 A, 120 V, 1P PEC

ADDRESS: 2005 1/2 BUDLONG AVENUE
 Ctid No. 07-53-010-R-013.530



WARNING
 BEFORE STARTING WORK ON EXISTING SERIES LIGHTING CIRCUITS THE CONTRACTOR SHALL OBTAIN DAILY SAFETY CIRCUIT CLEARANCE FROM SERVING COMPANIES, DISCONNECT CIRCUITS, AND PLACE "MEN AT WORK" SIGNS NEAR OPEN SWITCHES.

MODIFY LIGHTING AND SIGN ILLUMINATION
 SCALE 1" = 50'

APPROVED FOR ELECTRICAL WORK ONLY

E-11

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
St. Catbars TRAFFIC DESIGN
 FUNCTIONAL SUPERVISOR: HASSAN MANNA
 CHECKED BY: HASSAN MANNA
 DESIGNED BY: CESAR HERNANDEZ
 REVISIONS: (None listed)
 REVISOR: (None listed)
 DATE: (None listed)

LAST REVISION: 00-00-00 DATE PLOTTED => 25-AUG-2014 TIME PLOTTED => 14:28

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90, 110	Var	29	131

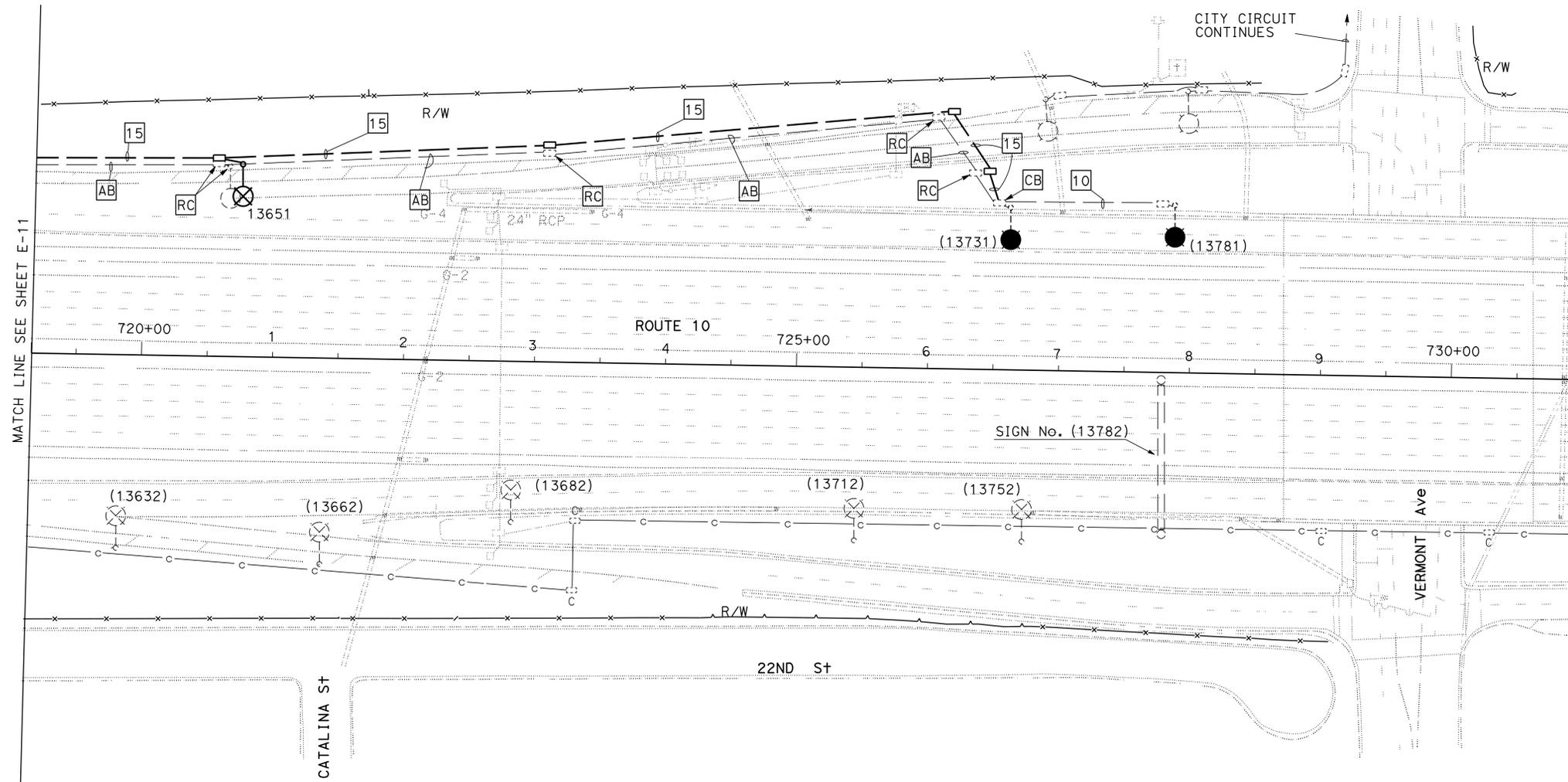
<i>Cesar Hernandez</i>	5/22/14
REGISTERED ELECTRICAL ENGINEER	DATE
7-21-14	
PLANS APPROVAL DATE	

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.	
---	--

REGISTERED PROFESSIONAL ENGINEER CESAR HERNANDEZ No. 15805 Exp. 12/31/14 ELECTRICAL STATE OF CALIFORNIA	
---	--

NOTES: (THIS SHEET ONLY)

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. FOR NOTES AND LEGENDS, SEE SHEET E-1.
3. FOR WIRING DIAGRAM, SEE SHEET E-46



WARNING
 BEFORE STARTING WORK ON EXISTING SERIES LIGHTING CIRCUITS THE CONTRACTOR SHALL OBTAIN DAILY SAFETY CIRCUIT CLEARANCE FROM SERVING COMPANIES, DISCONNECT CIRCUITS, AND PLACE "MEN AT WORK" SIGNS NEAR OPEN SWITCHES.

MODIFY LIGHTING AND SIGN ILLUMINATION
 SCALE 1" = 50'
E-12

APPROVED FOR ELECTRICAL WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Traffic Design

FUNCTIONAL SUPERVISOR: HASSAN MANNA
 CHECKED BY: HASSAN MANNA
 DESIGNED BY: CESAR HERNANDEZ
 REVISIONS: (None listed)

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90, 110	Var	30	131

<i>Cesar Hernandez</i>	5/22/14
REGISTERED ELECTRICAL ENGINEER	DATE
7-21-14	
PLANS APPROVAL DATE	

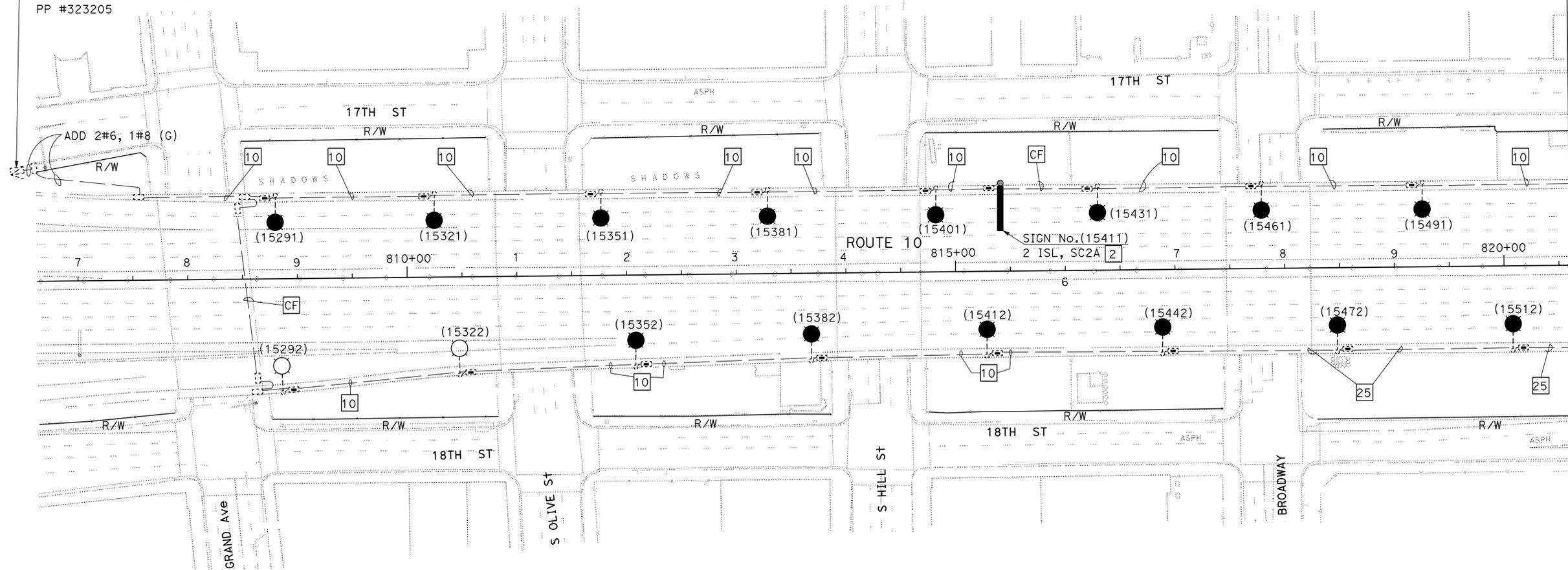
REGISTERED PROFESSIONAL ENGINEER
CESAR HERNANDEZ
 No. 15805
 Exp. 12/31/14
 ELECTRICAL
 STATE OF CALIFORNIA

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.

NOTES: (THIS SHEET ONLY)

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- FOR NOTES AND LEGENDS, SEE SHEET E-1.
- FOR WIRING DIAGRAM, SEE SHEET E-47

Exist 120 / 240 V SERVICE EQUIPMENT ENCLOSURE
 100 A, 240 V, 2P, CB - MAIN
 40 A, 120 V, 1P, CB - RAMP METER
 20 A, 120 V, 1P, CB - TDC
 40 A, 240 V, 2P, CB - Fwy Ltg
ADD:
 30 A, 240 V, 2P, CB - Fwy Ltg
 60 A, 2P, NO CONTACTOR
 15 A, 120 V, 1P, CB - PEC
 Ctid 07-53-010-R-0015.159
 PP #323205



WARNING

BEFORE STARTING WORK ON EXISTING SERIES LIGHTING CIRCUITS THE CONTRACTOR SHALL OBTAIN DAILY SAFETY CIRCUIT CLEARANCE FROM SERVING COMPANIES, DISCONNECT CIRCUITS, AND PLACE "MEN AT WORK" SIGNS NEAR OPEN SWITCHES.

MODIFY LIGHTING AND SIGN ILLUMINATION

SCALE 1" = 50'

E-13

APPROVED FOR ELECTRICAL WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN
 FUNCTIONAL SUPERVISOR: HASSAN MANNA
 CHECKED BY: HASSAN MANNA
 DESIGNED BY: CESAR HERNANDEZ
 REVISIONS: HASSAN MANNA
 DATE: 7/2/2010

MATCH LINE SEE SHEET E-14

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90, 110	VAR	33	131
Kenny Nguyen		5/22/14		REGISTERED ELEC. ENGINEER DATE	
7-21-14		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>					

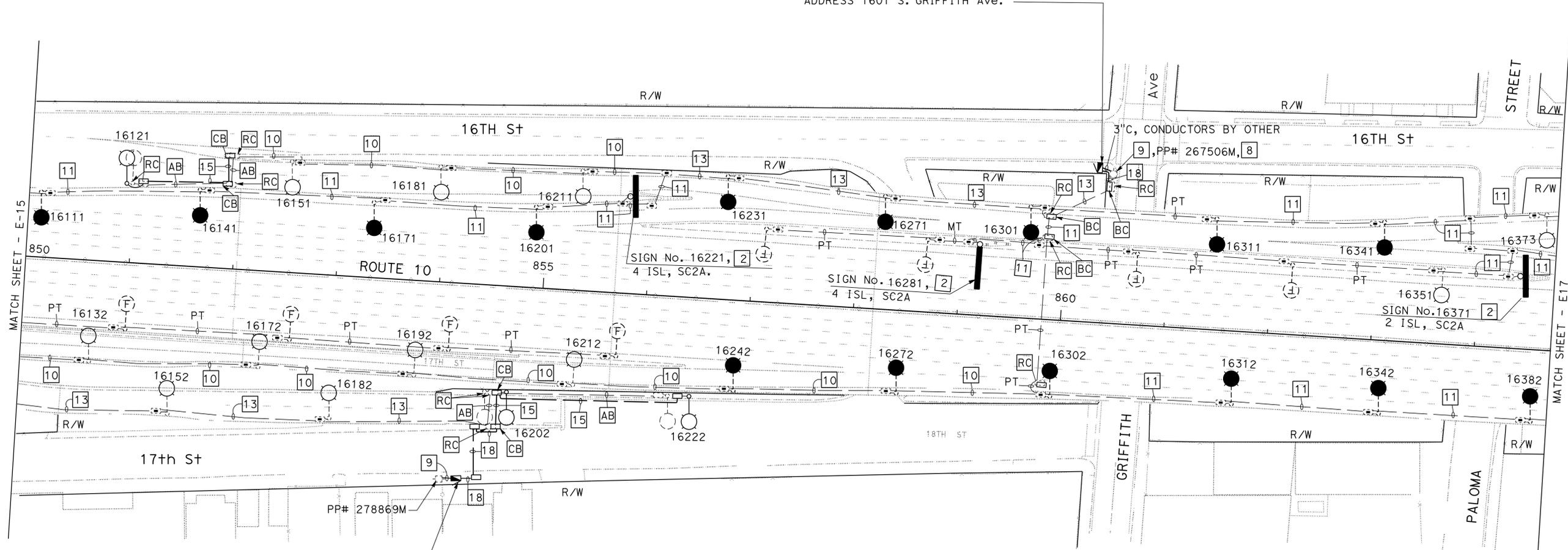
NOTES: THIS SHEET

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. FOR NOTES AND LEGEND, SEE SHEET E-1.
3. FOR WIRING DIAGRAM, SEE SHEET E-49, E-50.

INSTALL 120/240 V TYPE III-BF SERVICE EQUIPMENT ENCLOSURE WITH:

- 200 A, 240 V, 2P CP MAIN CIRCUIT
- 2-30 A, 240 V, 2P LIGHTING AND SIGN ILLUMINATION

ID# 07-053-010-016.010
ADDRESS 1601 S. GRIFFITH Ave.



INSTALL 120/240 V TYPE III-BF SERVICE EQUIPMENT ENCLOSURE WITH:

- 100 A, 240 V 2P CB MAIN CIRCUIT
- 2-30 A, 240 V, 2P CB LIGHTING AND SIGN ILLUMINATION

ID # 07-053-010-016.380
ADDRESS: 770 1/2 18TH St.

WARNING
BEFORE STARTING WORK ON EXISTING SERIES LIGHTING CIRCUITS THE CONTRACTOR SHALL OBTAIN DAILY SAFETY CIRCUIT CLEARANCE FROM SERVING COMPANIES, DISCONNECT CIRCUITS, AND PLACE "MEN AT WORK" SIGNS NEAR OPEN SWITCHES.

MODIFY LIGHTING AND SIGN ILLUMINATION

SCALE 1"=50"

APPROVED FOR ELECTRICAL WORK ONLY

E-16

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION - **Caltrans** TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR: HASSAN MANNA
 CALCULATED/DESIGNED BY: HASSAN MANNA
 CHECKED BY: HASSAN MANNA
 REVISED BY: KENNY NGUYEN
 DATE REVISED: HASSAN MANNA

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90, 110	VAR	34	131
Kenny Nguyen		5/22/14		REGISTERED ELEC. ENGINEER DATE	
7-21-14		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: THIS SHEET

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- FOR NOTES AND LEGEND, SEE SHEET E-1.
- FOR WIRING DIAGRAM, SEE SHEET E-48.

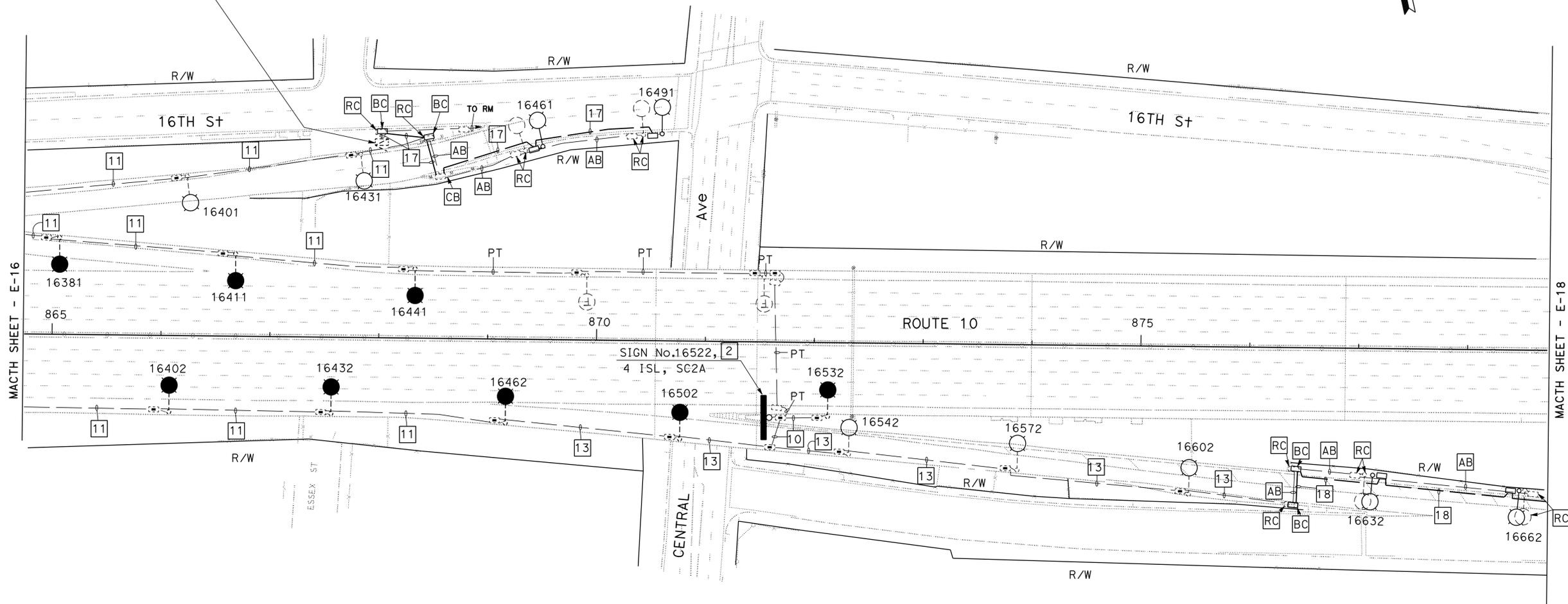
EXISTING 120/240 V TYPE III-BF SERVICE EQUIPMENT ENCLOSURE WITH:

- 100 A, 240 V, 2P MAIN CIRCUIT
- 30 A, 240 V, 1P RAMP METERING
- 15 A, 120 V, 1P TELEPHONE DEMARCATION CABINET

ADD:

- 30 A, 240 V, 2P LIGHTING AND SIGN ILLUMINATION
- 15 A, 120 V, 1P PEC

ADDRESS: 1111 1/2 16 TH STREET
ID# 07-010-016.207



WARNING
BEFORE STARTING WORK ON EXISTING SERIES LIGHTING CIRCUITS THE CONTRACTOR SHALL OBTAIN DAILY SAFETY CIRCUIT CLEARANCE FROM SERVING COMPANIES, DISCONNECT CIRCUITS, AND PLACE "MEN AT WORK" SIGNS NEAR OPEN SWITCHES.

MODIFY LIGHTING AND SIGN ILLUMINATION
SCALE 1"=50'
E-17

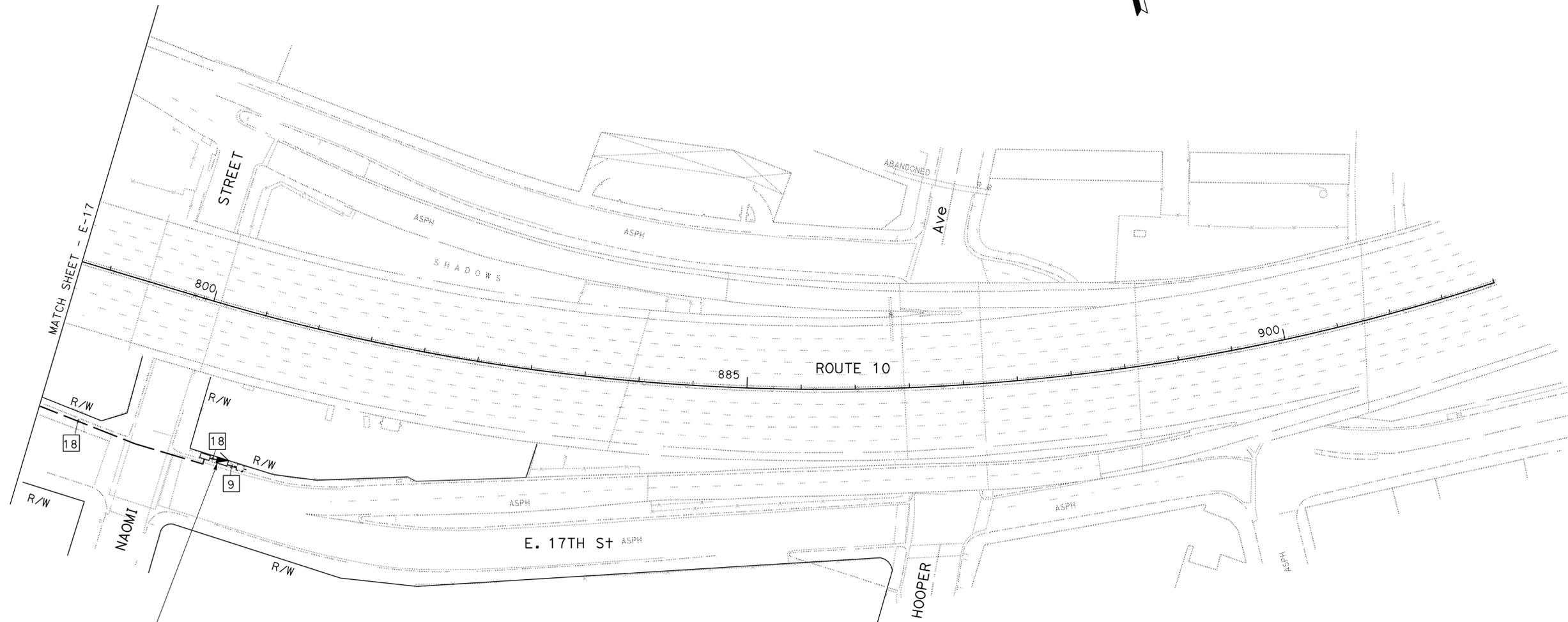
APPROVED FOR ELECTRICAL WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN
 FUNCTIONAL SUPERVISOR: HASSAN MANNA
 DESIGNED BY: KENNY NGUYEN
 CHECKED BY: HASSAN MANNA
 REVISED BY: []
 DATE REVISED: []

NOTES: THIS SHEET

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. FOR NOTES AND LEGEND, SEE SHEET E-1.
3. FOR WIRING DIAGRAM, SEE SHEET E-48.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10,90,110	VAR	35	131
Kenny Nguyen		5/22/14		REGISTERED ELEC. ENGINEER DATE	
7-21-14		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>					



INSTALL 120 /240 V TYPE III-BF SERVICE EQUIPMENT ENCLOSURE WITH:

- 100 A, 240 V 2P CB MAIN CIRCUIT
- 2-30 A, 240 V, 2P CB LIGHTING AND SIGN ILLUMINATION

ID # 07-053-010-016.800
ADDRESS: 1710 1/2 NAOMI ST.

WARNING
BEFORE STARTING WORK ON EXISTING SERIES LIGHTING CIRCUITS THE CONTRACTOR SHALL OBTAIN DAILY SAFETY CIRCUIT CLEARANCE FROM SERVING COMPANIES, DISCONNECT CIRCUITS, AND PLACE "MEN AT WORK" SIGNS NEAR OPEN SWITCHES.

APPROVED FOR ELECTRICAL WORK ONLY

MODIFY LIGHTING AND SIGN ILLUMINATION

SCALE 1"=50'

E-18

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION - **Stantec** TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR
HASSAN MANNA

CALCULATED-DESIGNED BY
CHECKED BY

KENNY NGUYEN
HASSAN MANNA

REVISED BY
DATE REVISED

x

x

x

x

x

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90, 110	Var	36	131

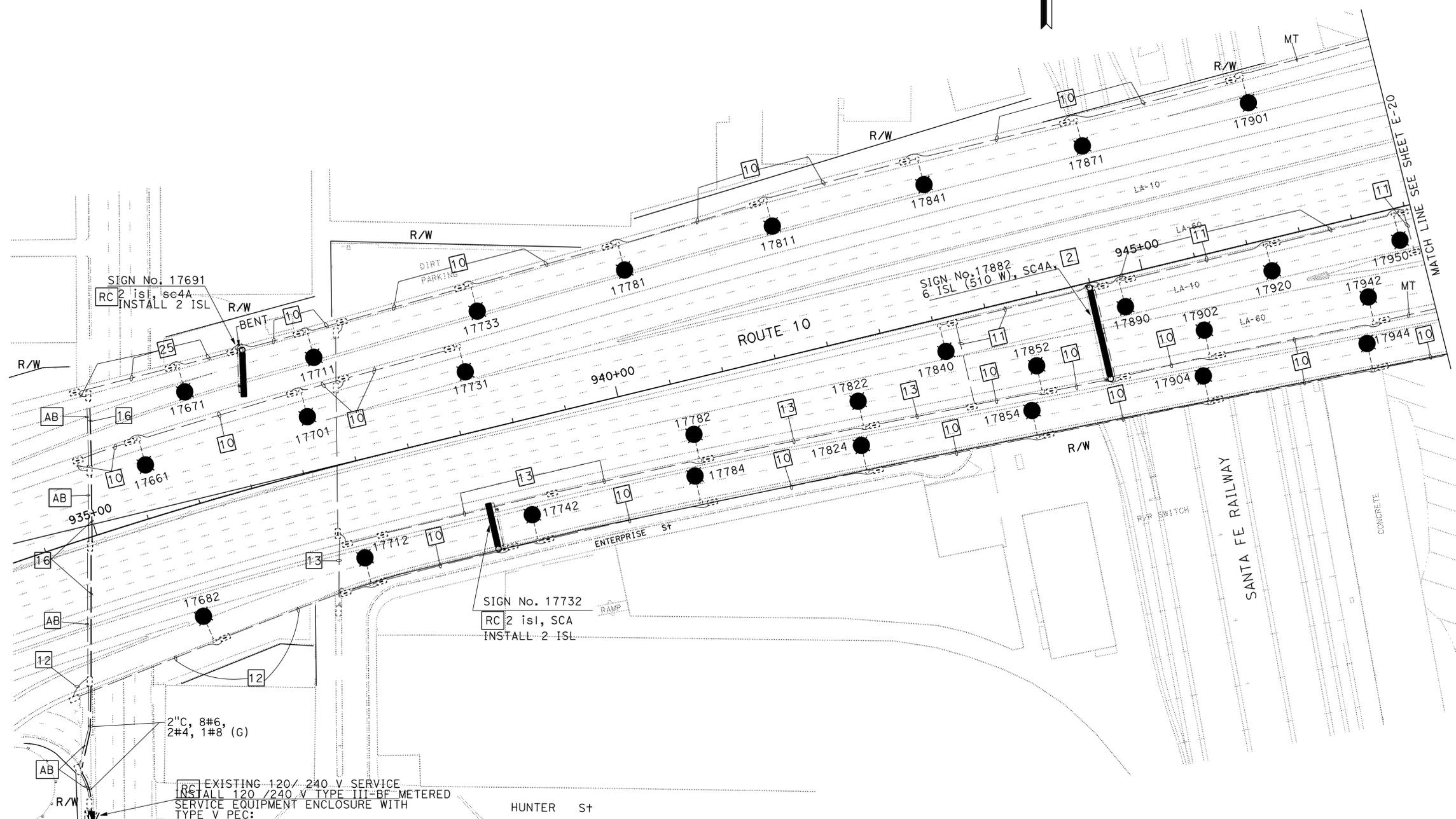
Kenny Nguyen		5/22/14
REGISTERED ELECTRICAL ENGINEER	DATE	
7-21-14		
PLANS APPROVAL DATE		

Kenny Nguyen	
No. 17759	REGISTERED PROFESSIONAL ENGINEER
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.

- NOTES: (THIS SHEET)
- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
 - FOR NOTES AND LEGEND, SEE SHEET E-1.
 - FOR WIRING DIAGRAM, SEE SHEET E-51.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN
 FUNCTIONAL SUPERVISOR: HASSAN MANNA
 DESIGNED BY: XCHILT NARANJO
 CHECKED BY: KENNY NGUYEN
 REVISED BY: []
 DATE REVISED: []



PP No. 318377M
 SANTA FE AVE
 2" C, 8#6, 2#4, 1#8 (G)
 RC EXISTING 120/240 V SERVICE
 INSTALL 120/240 V TYPE III-BF METERED SERVICE EQUIPMENT ENCLOSURE WITH TYPE V PEC:
 100 A, 2P, CB-MAIN
 30 A, 2P, CB-LIGHTING AND SIGN ILLUMINATION CK+ 1
 30 A, 2P, CB-LIGHTING AND SIGN ILLUMINATION CK+ 2
 30 A, 2P, CB-LIGHTING AND SIGN ILLUMINATION CK+ 3
 30 A, 2P, CB-LIGHTING AND SIGN ILLUMINATION CK+ 4
 30 A, 2P, CB-LIGHTING AND SIGN ILLUMINATION CK+ 5
 30 A, 2P, CB-FOR LIGHTING (TEMPORARY)
 ADDRESS: 1401 1/2 SANTA FE AVE

WARNING
 BEFORE STARTING WORK ON EXISTING SERIES LIGHTING CIRCUITS THE CONTRACTOR SHALL OBTAIN DAILY SAFETY CIRCUIT CLEARANCE FROM SERVING COMPANIES, DISCONNECT CIRCUITS, AND PLACE "MEN AT WORK" SIGNS NEAR OPEN SWITCHES.

MODIFY LIGHTING AND SIGN ILLUMINATION
 SCALE 1"=50'

APPROVED FOR ELECTRICAL WORK ONLY

E-19

DATE PLOTTED => 25-AUG-2014
 TIME PLOTTED => 14:28
 LAST REVISION 00-00-00

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90, 110	Var	38	131

Kenny Nguyen	5/22/14
REGISTERED ELECTRICAL ENGINEER	DATE
7-21-14	
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.



- NOTES: (THIS SHEET)**
1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
 2. FOR NOTES AND LEGEND, SEE SHEET E-1.
 3. FOR WIRING DIAGRAM, SEE SHEET E-51.

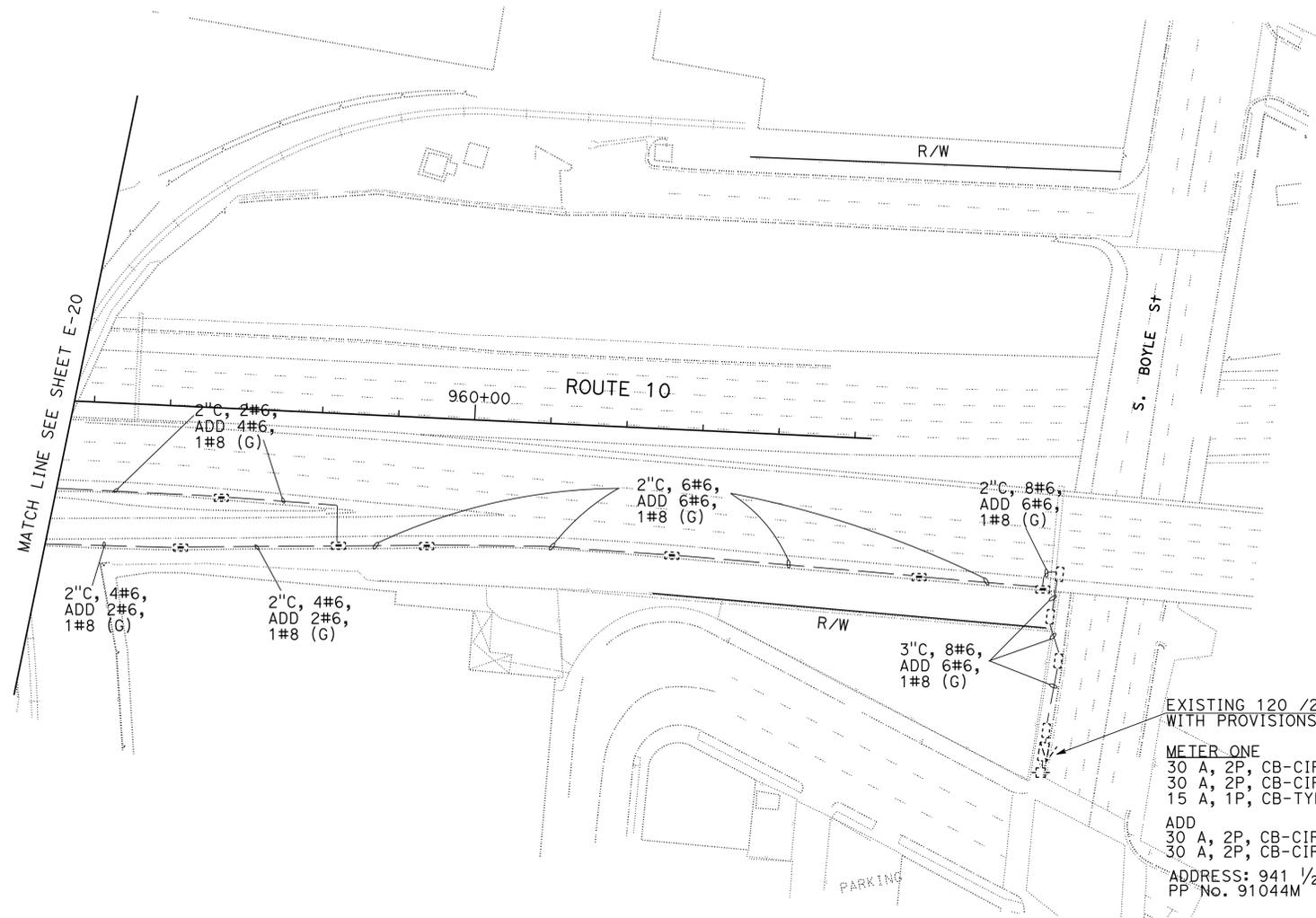
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR
 HASSAN MANNA

CALCULATED-DESIGNED BY
 CHECKED BY

XOCHILT NARANJO
 KENNY NGUYEN

REVISED BY
 DATE REVISED



EXISTING 120 /240 V TYPE III-CF DUAL METERED SERVICE EQUIPMENT ENCLOSURE WITH PROVISIONS FOR 2-100 A METERS AND 2-100 A, 2P, CB- MAINS.

METER ONE	METER TWO
30 A, 2P, CB-CIRCUIT 21	30 A, 2P, CB-CIRCUIT 22
30 A, 2P, CB-CIRCUIT 23	30 A, 2P, CB-CIRCUIT 24
15 A, 1P, CB-TYPE V PEC	15 A, 1P, CB-TYPE V PEC
ADD	ADD
30 A, 2P, CB-CIRCUIT 25	30 A, 2P, CB-CIRCUIT 27
30 A, 2P, CB-CIRCUIT 26	

ADDRESS: 941 1/2 BOYLE ST
PP No. 91044M

WARNING

BEFORE STARTING WORK ON EXISTING SERIES LIGHTING CIRCUITS THE CONTRACTOR SHALL OBTAIN DAILY SAFETY CIRCUIT CLEARANCE FROM SERVING COMPANIES, DISCONNECT CIRCUITS, AND PLACE "MEN AT WORK" SIGNS NEAR OPEN SWITCHES.

MODIFY LIGHTING AND SIGN ILLUMINATION

SCALE 1"=50'

APPROVED FOR ELECTRICAL WORK ONLY

E-21

LAST REVISION 00-00-00
 DATE PLOTTED => 25-AUG-2014
 TIME PLOTTED => 14:28

NOTES: (THIS SHEET)

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. FOR NOTES AND LEGEND, SEE SHEET E-1.
3. FOR WIRING DIAGRAM, SEE SHEET E-51.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90, 110	Var	39	131

Kenny Nguyen 5/22/14
 REGISTERED ELECTRICAL ENGINEER DATE

7-21-14
 PLANS APPROVAL DATE

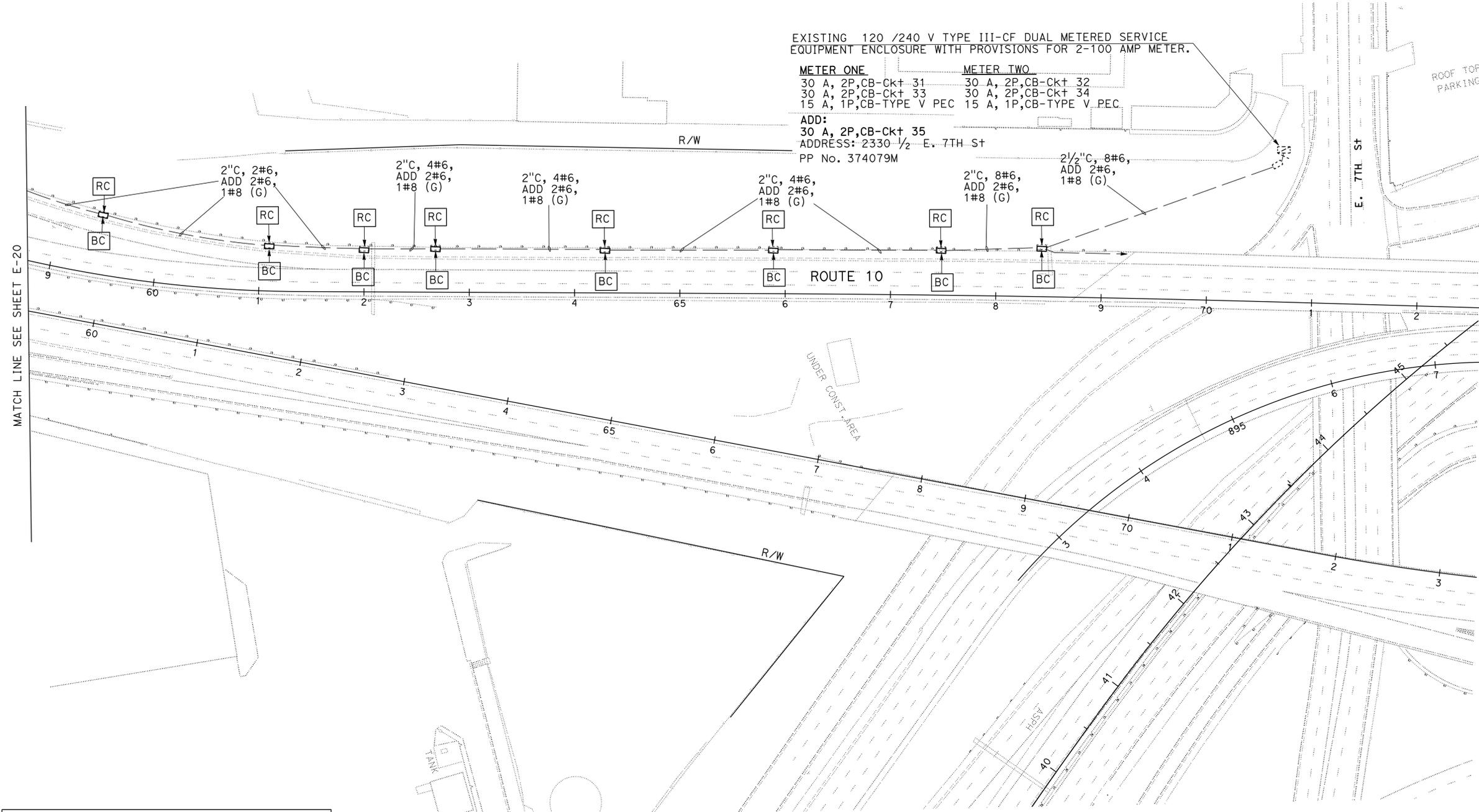
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

EXISTING 120 /240 V TYPE III-CF DUAL METERED SERVICE EQUIPMENT ENCLOSURE WITH PROVISIONS FOR 2-100 AMP METER.

METER ONE
 30 A, 2P,CB-Ckt 31
 30 A, 2P,CB-Ckt 33
 15 A, 1P,CB-TYPE V PEC

METER TWO
 30 A, 2P,CB-Ckt 32
 30 A, 2P,CB-Ckt 34
 15 A, 1P,CB-TYPE V PEC

ADD:
 30 A, 2P,CB-Ckt 35
 ADDRESS: 2330 1/2 E. 7TH ST
 PP No. 374079M



MATCH LINE SEE SHEET E-20

WARNING
 BEFORE STARTING WORK ON EXISTING SERIES LIGHTING CIRCUITS THE CONTRACTOR SHALL OBTAIN DAILY SAFETY CIRCUIT CLEARANCE FROM SERVING COMPANIES, DISCONNECT CIRCUITS, AND PLACE "MEN AT WORK" SIGNS NEAR OPEN SWITCHES.

APPROVED FOR ELECTRICAL WORK ONLY

MODIFY LIGHTING AND SIGN ILLUMINATION
 SCALE 1"=50'

E-22

REVISIONS: 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, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.

NOTES: (THIS SHEET)

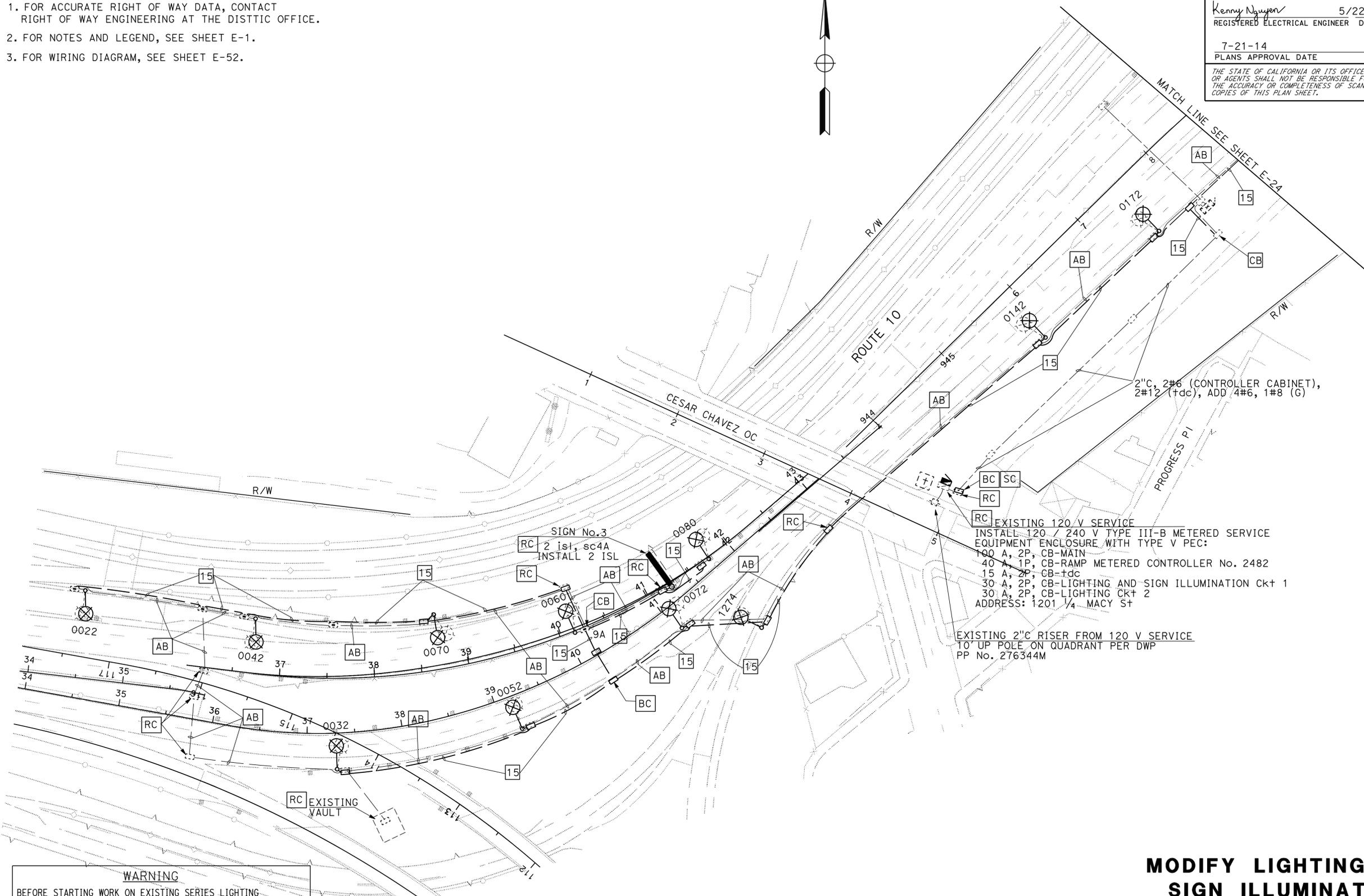
1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTTIC OFFICE.
2. FOR NOTES AND LEGEND, SEE SHEET E-1.
3. FOR WIRING DIAGRAM, SEE SHEET E-52.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90, 110	Var	40	131

Kenny Nguyen	5/22/14
REGISTERED ELECTRICAL ENGINEER	DATE
7-21-14	
PLANS APPROVAL DATE	

REGISTERED PROFESSIONAL ENGINEER
 KENNY NGUYEN
 No. 17759
 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.



2" C, 2#6 (CONTROLLER CABINET), 2#12 (+dc), ADD 4#6, 1#8 (G)

EXISTING 120 V SERVICE
 INSTALL 120 / 240 V TYPE III-B METERED SERVICE EQUIPMENT ENCLOSURE WITH TYPE V PEC:
 100 A, 2P, CB-MAIN
 40 A, 1P, CB-RAMP METERED CONTROLLER No. 2482
 15 A, 2P, CB-tdc
 30 A, 2P, CB-LIGHTING AND SIGN ILLUMINATION CKT 1
 30 A, 2P, CB-LIGHTING CKT 2
 ADDRESS: 1201 1/4 MACY ST

EXISTING 2" C RISER FROM 120 V SERVICE
 10' UP POLE ON QUADRANT PER DWP
 PP No. 276344M

WARNING
 BEFORE STARTING WORK ON EXISTING SERIES LIGHTING CIRCUITS THE CONTRACTOR SHALL OBTAIN DAILY SAFETY CIRCUIT CLEARANCE FROM SERVING COMPANIES, DISCONNECT CIRCUITS, AND PLACE "MEN AT WORK" SIGNS NEAR OPEN SWITCHES.

APPROVED FOR ELECTRICAL WORK ONLY

MODIFY LIGHTING AND SIGN ILLUMINATION

SCALE 1"=50'

E-23

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN
 FUNCTIONAL SUPERVISOR: HASSAN MANNA
 CALCULATED/DESIGNED BY: [blank]
 CHECKED BY: [blank]
 XOCCHILT NARANJO
 KENNY NGUYEN
 REVISED BY: [blank]
 DATE REVISED: [blank]

DATE PLOTTED => 25-AUG-2014
 TIME PLOTTED => 14:28
 LAST REVISION 00-00-00

NOTES: (THIS SHEET)

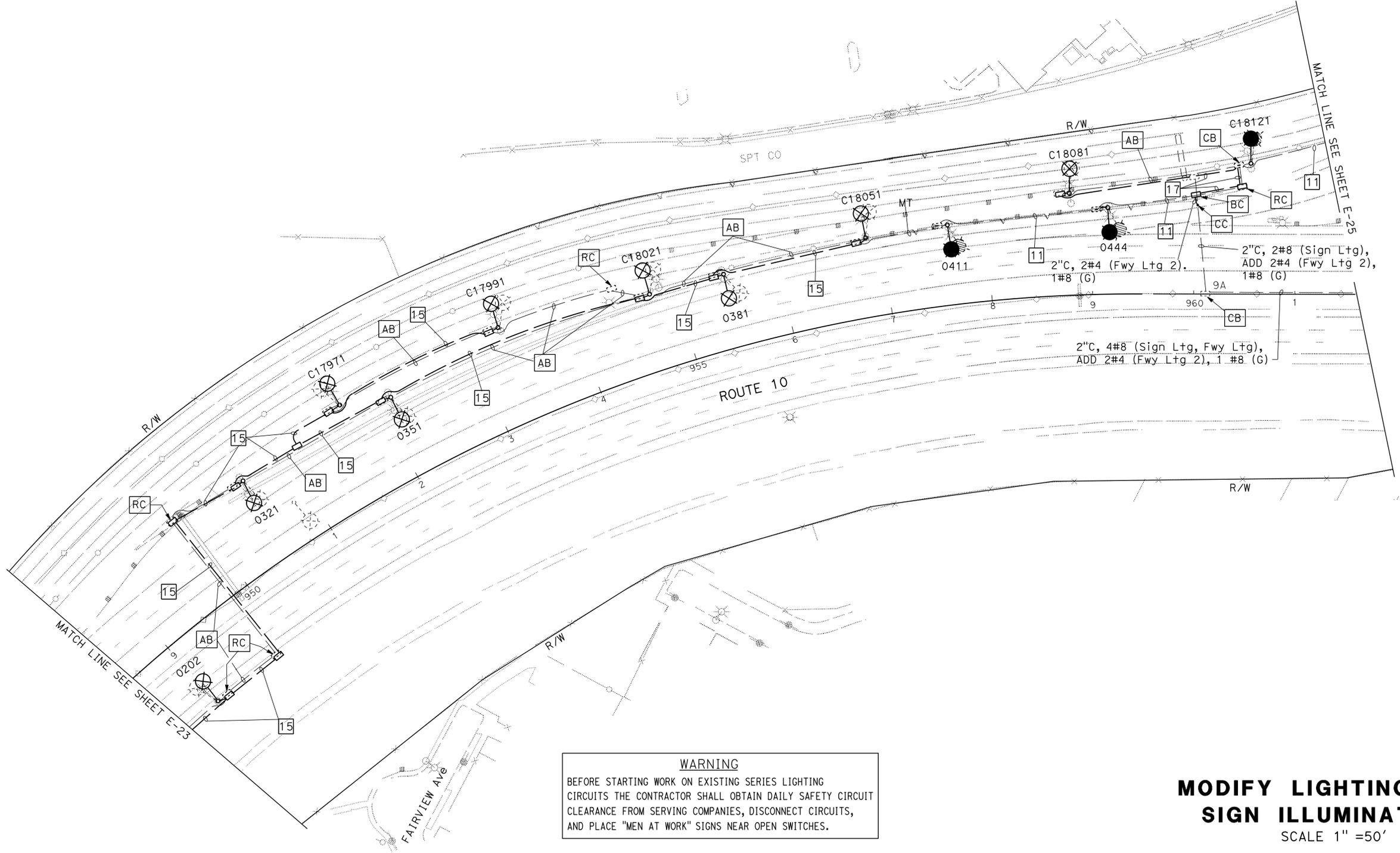
1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. FOR NOTES AND LEGEND, SEE SHEET E-1.
3. FOR WIRING DIAGRAM, SEE SHEET E-52.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90, 110	Var	41	131

Kenny Nguyen 5/22/14
 REGISTERED ELECTRICAL ENGINEER DATE

7-21-14
 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.



WARNING
 BEFORE STARTING WORK ON EXISTING SERIES LIGHTING CIRCUITS THE CONTRACTOR SHALL OBTAIN DAILY SAFETY CIRCUIT CLEARANCE FROM SERVING COMPANIES, DISCONNECT CIRCUITS, AND PLACE "MEN AT WORK" SIGNS NEAR OPEN SWITCHES.

MODIFY LIGHTING AND SIGN ILLUMINATION
 SCALE 1" = 50'

APPROVED FOR ELECTRICAL WORK ONLY

E-24

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN
 FUNCTIONAL SUPERVISOR: HASSAN MANNA
 CALCULATED/DESIGNED BY: [Blank] CHECKED BY: [Blank]
 XCHILIT NARANJO KENNY NGUYEN
 REVISED BY: [Blank] DATE REVISED: [Blank]

DATE PLOTTED => 25-AUG-2014 TIME PLOTTED => 14:28
 LAST REVISION 00-00-00

NOTES: (THIS SHEET)

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. FOR NOTES AND LEGEND, SEE SHEETS E-1.
3. FOR WIRING DIAGRAM, SEE SHEETS E-52, E-53 AND E-54.

WARNING

BEFORE STARTING WORK ON EXISTING SERIES LIGHTING CIRCUITS THE CONTRACTOR SHALL OBTAIN DAILY SAFETY CIRCUIT CLEARANCE FROM SERVING COMPANIES, DISCONNECT CIRCUITS, AND PLACE "MEN AT WORK" SIGNS NEAR OPEN SWITCHES.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90, 110	Var	42	131

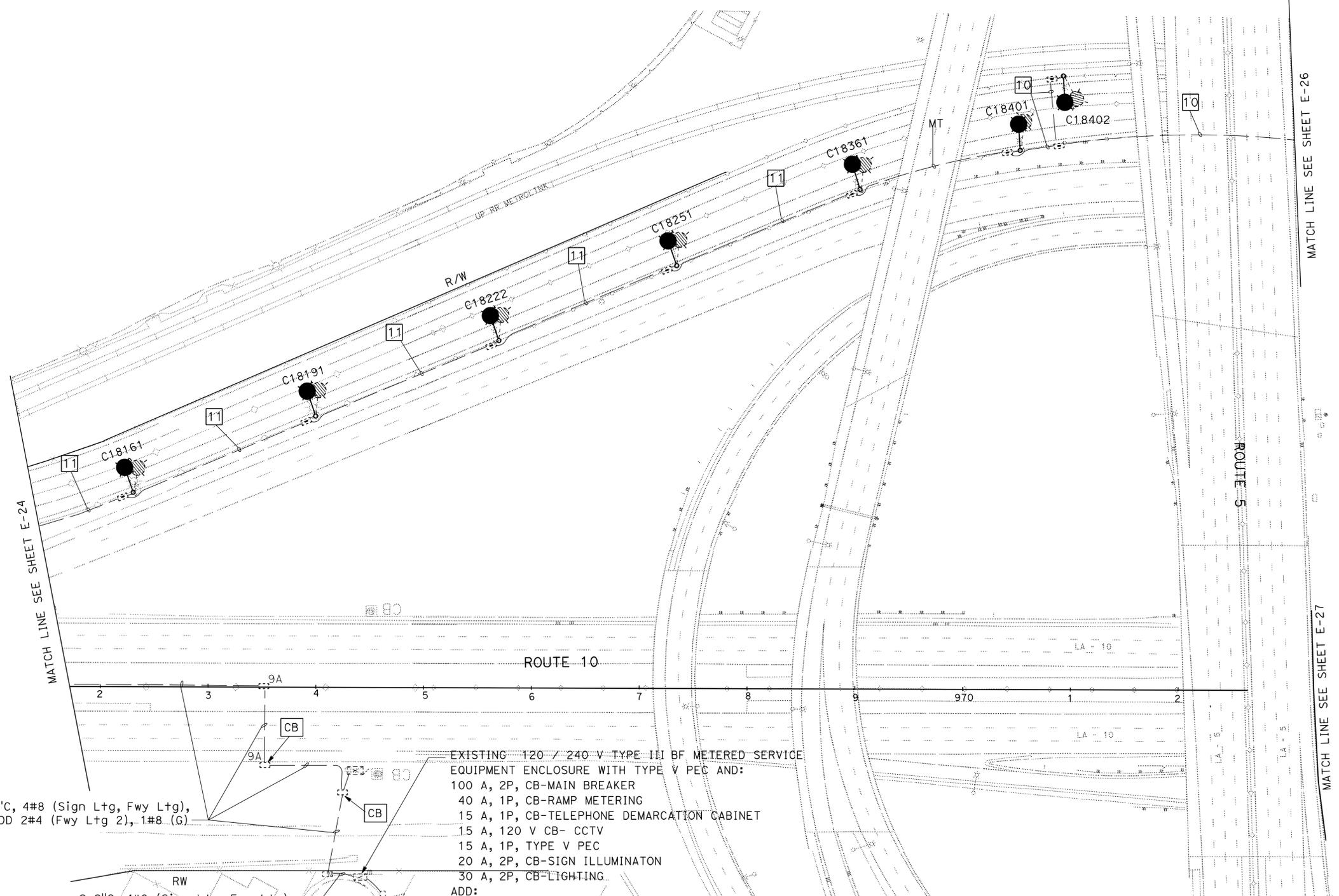
Kenny Nguyen 5/22/14
 REGISTERED ELECTRICAL ENGINEER DATE

7-21-14
 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.

REGISTERED PROFESSIONAL ENGINEER
 KENNY NGUYEN
 No. 17759
 Exp. 6/30/16
 ELECTRICAL
 STATE OF CALIFORNIA

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Traffic Design
 FUNCTIONAL SUPERVISOR: HASSAN MANNA
 CALCULATED/DESIGNED BY: [Blank]
 CHECKED BY: [Blank]
 XOCCHILT NARANJO
 KENNY NGUYEN
 REVISED BY: [Blank]
 DATE REVISED: [Blank]



2" C, 4#8 (Sign Ltg, Fwy Ltg),
 ADD 2#4 (Fwy Ltg 2), 1#8 (G)

RW
 2-2" C, 4#8 (Sign Ltg, Fwy Ltg),
 2#6 (CONTROLLER SERVICE),
 2#10 (CCTV), 2#12 (+dc),
 ADD 2#4 (Fwy Ltg 2), 1#8 (G)

EXISTING 120 / 240 V TYPE III BF METERED SERVICE
 EQUIPMENT ENCLOSURE WITH TYPE V PEC AND:
 100 A, 2P, CB-MAIN BREAKER
 40 A, 1P, CB-RAMP METERING
 15 A, 1P, CB-TELEPHONE DEMARCATION CABINET
 15 A, 120 V CB- CCTV
 15 A, 1P, TYPE V PEC
 20 A, 2P, CB-SIGN ILLUMINATION
 30 A, 2P, CB-LIGHTING

ADD:
 30 A, 2P, CB-LIGHTING Ckt 2
 ADDRESS: 722 1/4 ENCHANDIA ST.

PP No. 33896M



MODIFY LIGHTING AND SIGN ILLUMINATION

SCALE 1" = 50'

E-25

APPROVED FOR ELECTRICAL WORK ONLY

NOTES: (THIS SHEET)

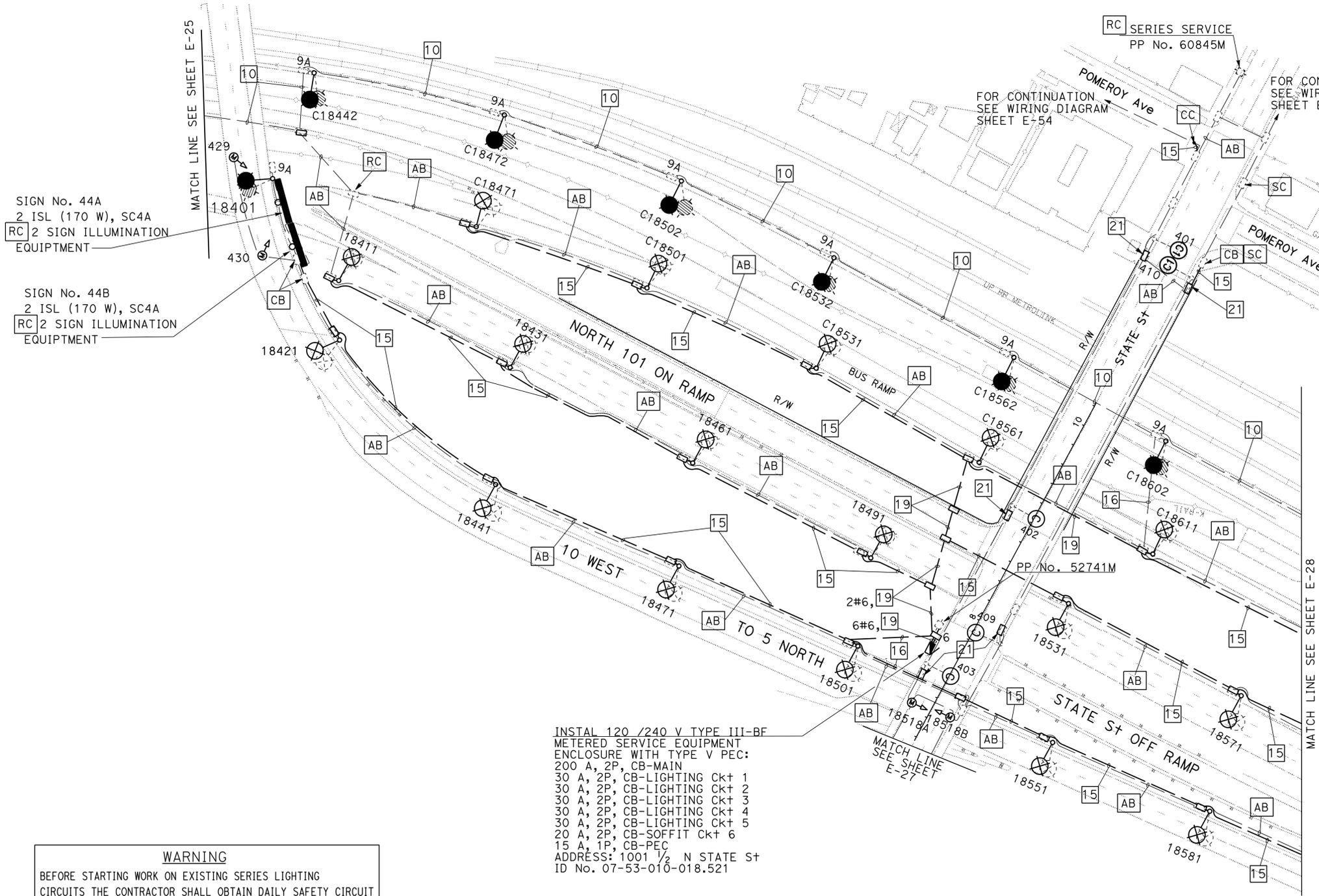
1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. FOR WIRING DIAGRAM, SEE SHEETS E-65 AND E-66.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90, 110	Var	43	131

Kenny Nguyen 5/22/14
 REGISTERED ELECTRICAL ENGINEER DATE

7-21-14
 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.



SIGN No. 44A
2 ISL (170 W), SC4A
RC 2 SIGN ILLUMINATION EQUIPMENT

SIGN No. 44B
2 ISL (170 W), SC4A
RC 2 SIGN ILLUMINATION EQUIPMENT

INSTAL 120 /240 V TYPE III-BF
 METERED SERVICE EQUIPMENT
 ENCLOSURE WITH TYPE V PEC:
 200 A, 2P, CB-MAIN
 30 A, 2P, CB-LIGHTING CKT 1
 30 A, 2P, CB-LIGHTING CKT 2
 30 A, 2P, CB-LIGHTING CKT 3
 30 A, 2P, CB-LIGHTING CKT 4
 30 A, 2P, CB-LIGHTING CKT 5
 20 A, 2P, CB-SOFFIT CKT 6
 15 A, 1P, CB-PEC
 ADDRESS: 1001 1/2 N STATE ST
 ID No. 07-53-010-018.521

WARNING

BEFORE STARTING WORK ON EXISTING SERIES LIGHTING CIRCUITS THE CONTRACTOR SHALL OBTAIN DAILY SAFETY CIRCUIT CLEARANCE FROM SERVING COMPANIES, DISCONNECT CIRCUITS, AND PLACE "MEN AT WORK" SIGNS NEAR OPEN SWITCHES.

APPROVED FOR ELECTRICAL WORK ONLY

MODIFY LIGHTING AND SIGN ILLUMINATION

SCALE 1" = 50'

E-26

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN
 FUNCTIONAL SUPERVISOR: HASSAN MANNA
 CALCULATED/DESIGNED BY: KENNY NGUYEN
 CHECKED BY: KENNY NGUYEN
 REVISED BY: KENNY NGUYEN
 DATE REVISED:

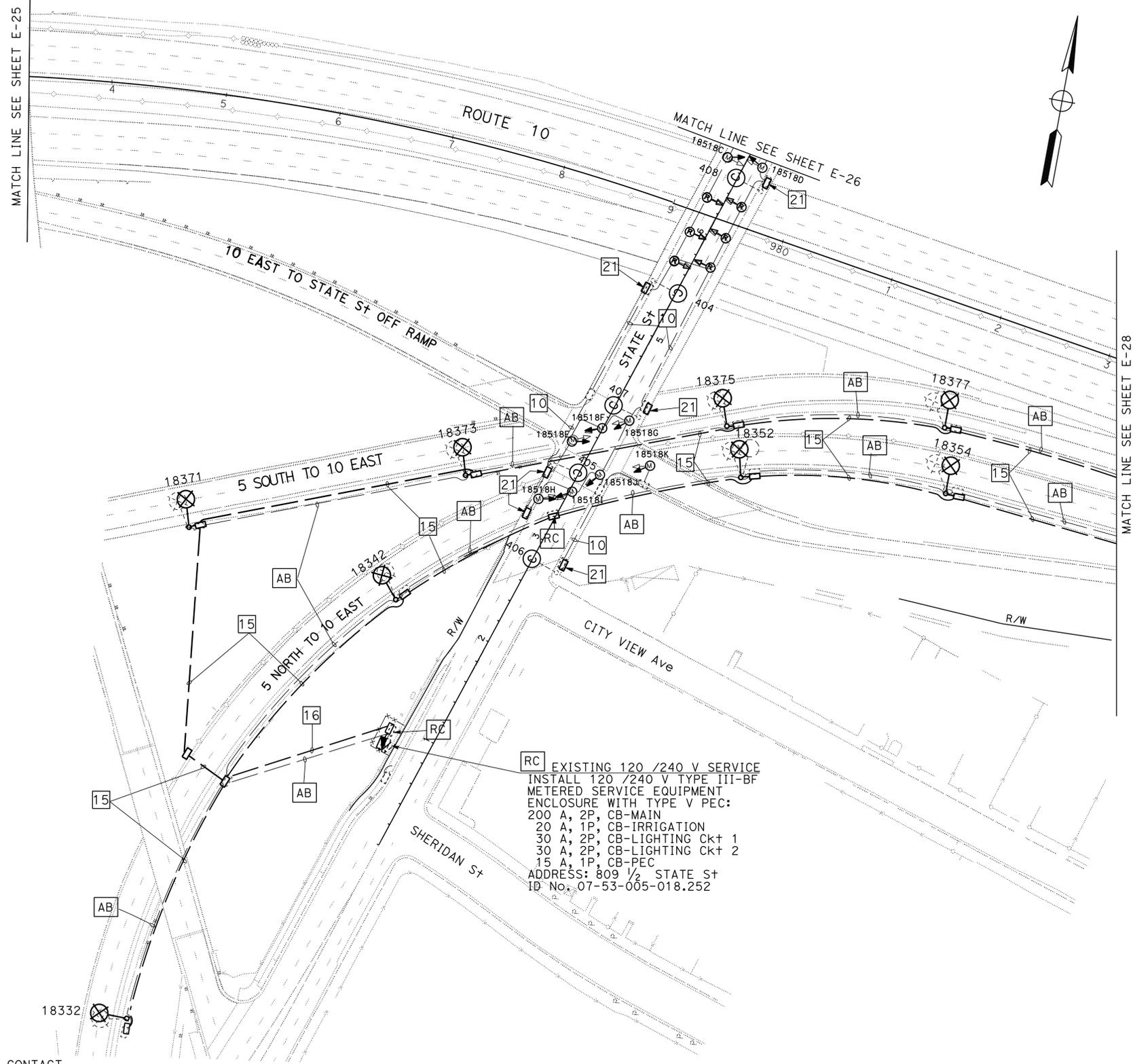
LAST REVISION DATE PLOTTED => 25-AUG-2014 TIME PLOTTED => 14:28

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90, 110	Var	44	131

Kenny Nguyen	5/22/14
REGISTERED ELECTRICAL ENGINEER	DATE
7-21-14	
PLANS APPROVAL DATE	

REGISTERED PROFESSIONAL ENGINEER
 KENNY NGUYEN
 No. 17759
 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.



RC EXISTING 120 /240 V SERVICE
 INSTALL 120 /240 V TYPE III-BF
 METERED SERVICE EQUIPMENT
 ENCLOSURE WITH TYPE V PEC:
 200 A, 2P, CB-MAIN
 20 A, 1P, CB-IRRIGATION
 30 A, 2P, CB-LIGHTING Ckt 1
 30 A, 2P, CB-LIGHTING Ckt 2
 15 A, 1P, CB-PEC
 ADDRESS: 809 1/2 STATE ST
 ID No. 07-53-005-018.252

WARNING

BEFORE STARTING WORK ON EXISTING SERIES LIGHTING CIRCUITS THE CONTRACTOR SHALL OBTAIN DAILY SAFETY CIRCUIT CLEARANCE FROM SERVING COMPANIES, DISCONNECT CIRCUITS, AND PLACE "MEN AT WORK" SIGNS NEAR OPEN SWITCHES.

- NOTES: (THIS SHEET)**
- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
 - FOR NOTES AND LEGEND, SEE SHEETS E-1.
 - FOR WIRING DIAGRAM, SEE SHEETS E-53 AND E-54.

APPROVED FOR ELECTRICAL WORK ONLY

MODIFY LIGHTING AND SIGN ILLUMINATION

SCALE 1"= 50'

E-27

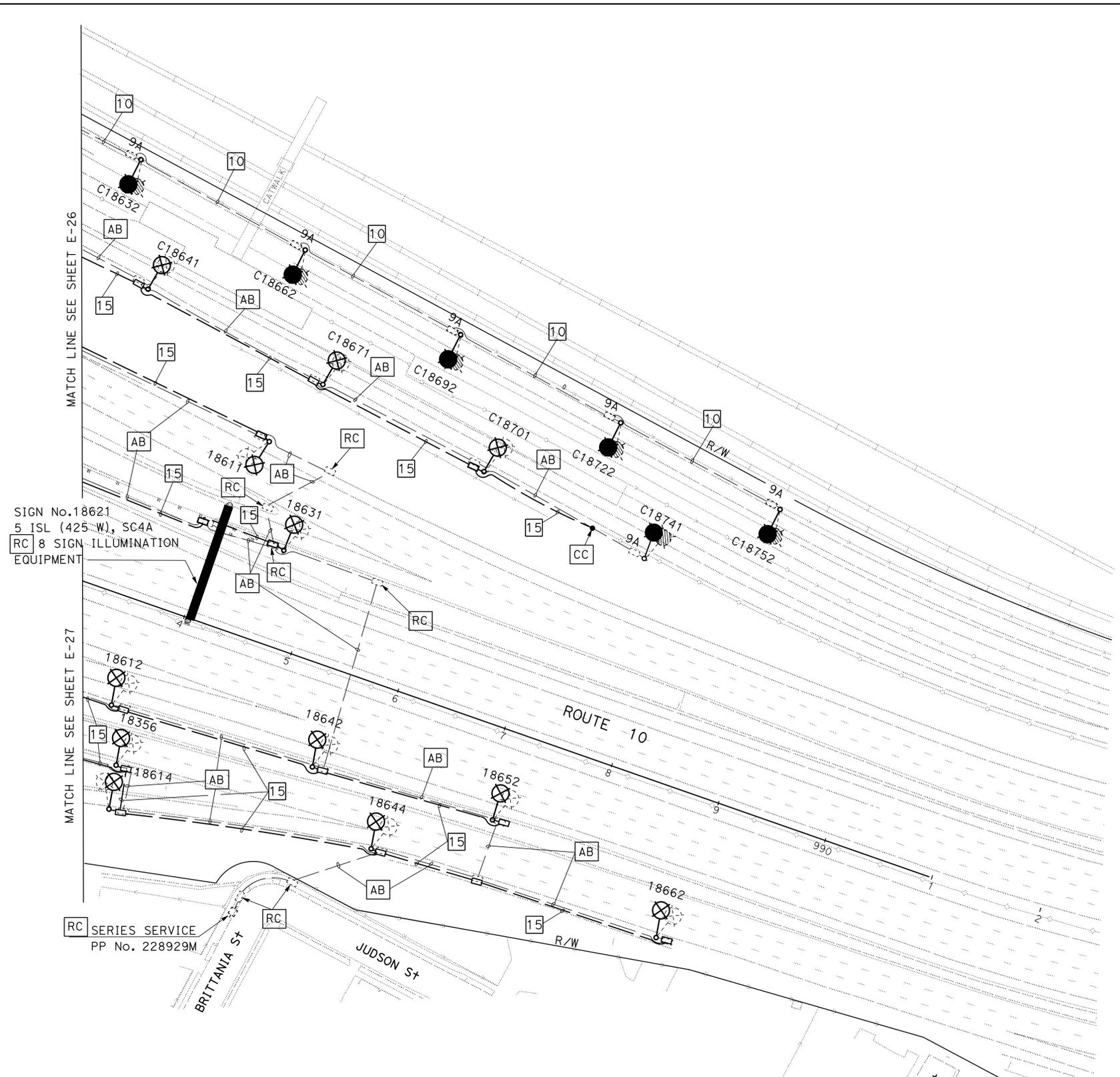
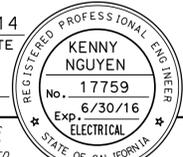
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR BY
Caltrans	HASSAN MANNA	XOCHILT NARANJO	KHOCHILT NARANJO
TRAFFIC DESIGN	CHECKED BY	KENNY NGUYEN	DATE REVISED

LAST REVISION: 00-00-00
 DATE PLOTTED => 25-AUG-2014
 TIME PLOTTED => 14:28

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90, 110	Var	45	131

Kenny Nguyen	5/22/14
REGISTERED ELECTRICAL ENGINEER	DATE
7-21-14	
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.	
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WARNING
 BEFORE STARTING WORK ON EXISTING SERIES LIGHTING CIRCUITS THE CONTRACTOR SHALL OBTAIN DAILY SAFETY CIRCUIT CLEARANCE FROM SERVING COMPANIES, DISCONNECT CIRCUITS, AND PLACE "MEN AT WORK" SIGNS NEAR OPEN SWITCHES.

NOTES: (THIS SHEET)

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. FOR NOTES AND LEGEND, SEE SHEETS E-1.
3. FOR WIRING DIAGRAM, SEE SHEETS E-53 AND E-54.

APPROVED FOR ELECTRICAL WORK ONLY

MODIFY LIGHTING AND SIGN ILLUMINATION
 SCALE 1" = 50'

E-28

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION - **Traffic Design**

FUNCTIONAL SUPERVISOR: HASSAN MANNA

REVISOR: XCHILIT NARANJO, KENNY NGUYEN

DESIGNER: CALCULATED BY, CHECKED BY

DATE PLOTTED => 25-AUG-2014
 TIME PLOTTED => 14:28
 LAST REVISION 00-00-00

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90, 110	Var	46	131

FATEMEH ANSARI	5/22/14
REGISTERED ELECTRICAL ENGINEER	DATE
7-21-14	
PLANS APPROVAL DATE	

REGISTERED PROFESSIONAL ENGINEER
 FATEMEH ANSARI
 No. E17009
 Exp. 09/30/15
 ELECTRICAL
 STATE OF CALIFORNIA

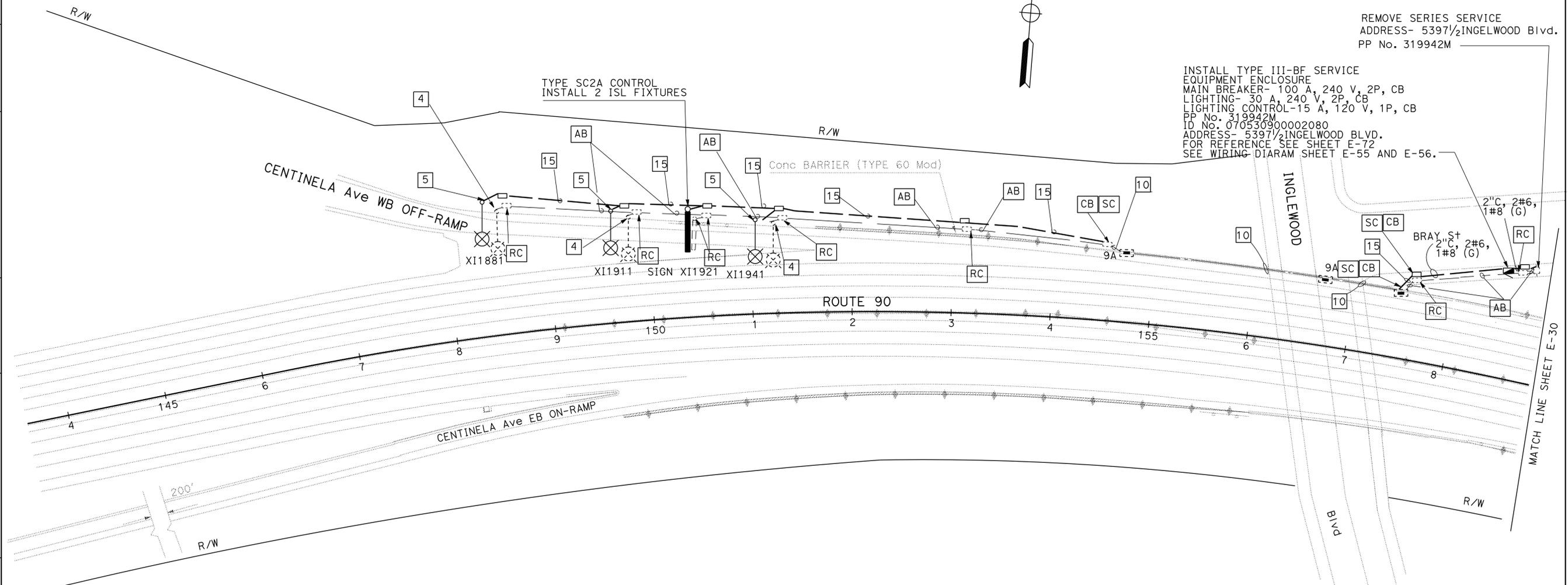
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES: (THIS SHEET)

1. FOR ACCURATE RIGHT OF WAY, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. FOR GENERAL NOTES AND LEGEND SEE SHEET E-1.
3. FOR WIRING DIAGRAM, SEE SHEETS E-55, E-56.

REMOVE SERIES SERVICE
 ADDRESS- 5397 1/2 INGELWOOD Blvd.
 PP No. 319942M

INSTALL TYPE III-BF SERVICE
 EQUIPMENT ENCLOSURE
 MAIN BREAKER- 100 A, 240 V, 2P, CB
 LIGHTING- 30 A, 240 V, 2P, CB
 LIGHTING CONTROL- 15 A, 120 V, 1P, CB
 PP No. 319942M
 ID No. 070530900002080
 ADDRESS- 5397 1/2 INGELWOOD BLVD.
 FOR REFERENCE SEE SHEET E-72
 SEE WIRING DIAGRAM SHEET E-55 AND E-56.



WARNING

BEFORE STARTING WORK ON EXISTING SERIES LIGHTING CIRCUITS THE CONTRACTOR SHALL OBTAIN DAILY SAFETY CIRCUIT CLEARANCE FROM SERVING COMPANIES, DISCONNECT CIRCUITS, AND PLACE "MEN AT WORK" SIGNS NEAR OPEN SWITCHES.

MODIFY LIGHTING AND SIGN ILLUMINATION
 SCALE: 1" = 50'

APPROVED FOR ELECTRICAL WORK ONLY

E-29

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans ELECTRICAL DESIGN
 HASSAN MANNA
 FUNCTIONAL SUPERVISOR
 HASSAN MANNA
 CHECKED BY
 HASSAN MANNA
 DESIGNED BY
 HASSAN MANNA
 FATEMEH ANSARI
 REVISIONS BY
 HASSAN MANNA
 DATE REVISIONS

LAST REVISION DATE PLOTTED => 25-AUG-2014
 01-19-11 TIME PLOTTED => 14:28

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90, 110	Var	49	131

FATEMEH ANSARI	5/22/14
REGISTERED ELECTRICAL ENGINEER	DATE
7-21-14	
PLANS APPROVAL DATE	

REGISTERED PROFESSIONAL ENGINEER
 FATEMEH ANSARI
 No. E17009
 Exp. 09/30/15
 ELECTRICAL
 STATE OF CALIFORNIA

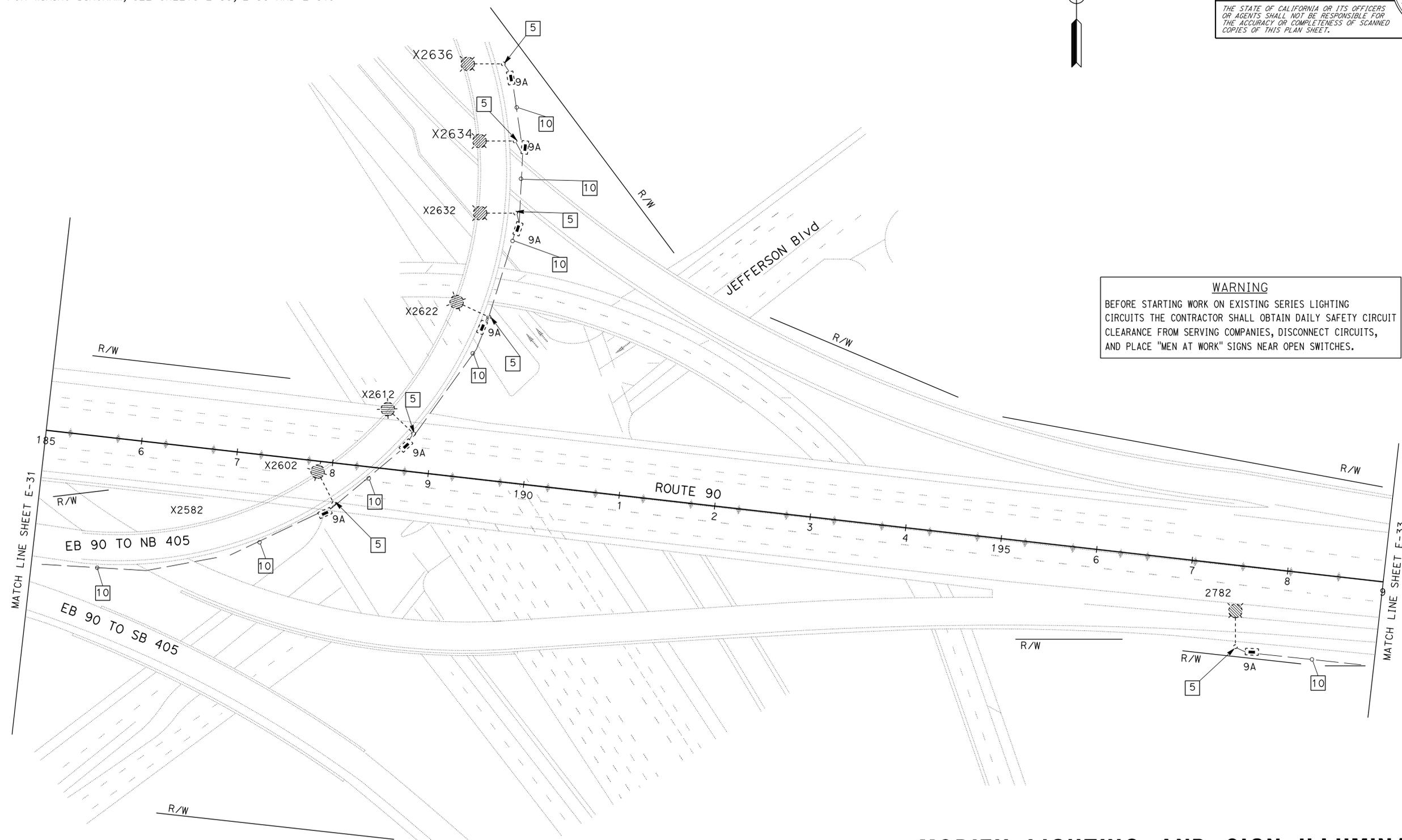
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



- NOTES: (THIS SHEET)**
- FOR ACCURATE RIGHT OF WAY, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
 - FOR GENERAL NOTES AND LEGEND SEE SHEET E-1.
 - FOR WIRING DIAGRAM, SEE SHEETS E-55, E-56 AND E-57.

WARNING

BEFORE STARTING WORK ON EXISTING SERIES LIGHTING CIRCUITS THE CONTRACTOR SHALL OBTAIN DAILY SAFETY CIRCUIT CLEARANCE FROM SERVING COMPANIES, DISCONNECT CIRCUITS, AND PLACE "MEN AT WORK" SIGNS NEAR OPEN SWITCHES.



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	DESIGNED BY	REVISOR
Caltrans TRAFFIC DESIGN	HASSAN MANNA	FATEMEH ANSARI	FATEMEH ANSARI
		HASSAN MANNA	HASSAN MANNA
		CHECKED BY	DATE REVISED

MODIFY LIGHTING AND SIGN ILLUMINATION
SCALE: 1" = 50'

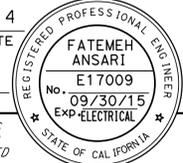
APPROVED FOR ELECTRICAL WORK ONLY

E-32

LAST REVISION DATE PLOTTED => 25-AUG-2014 TIME PLOTTED => 14:28

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90, 110	Var	50	131

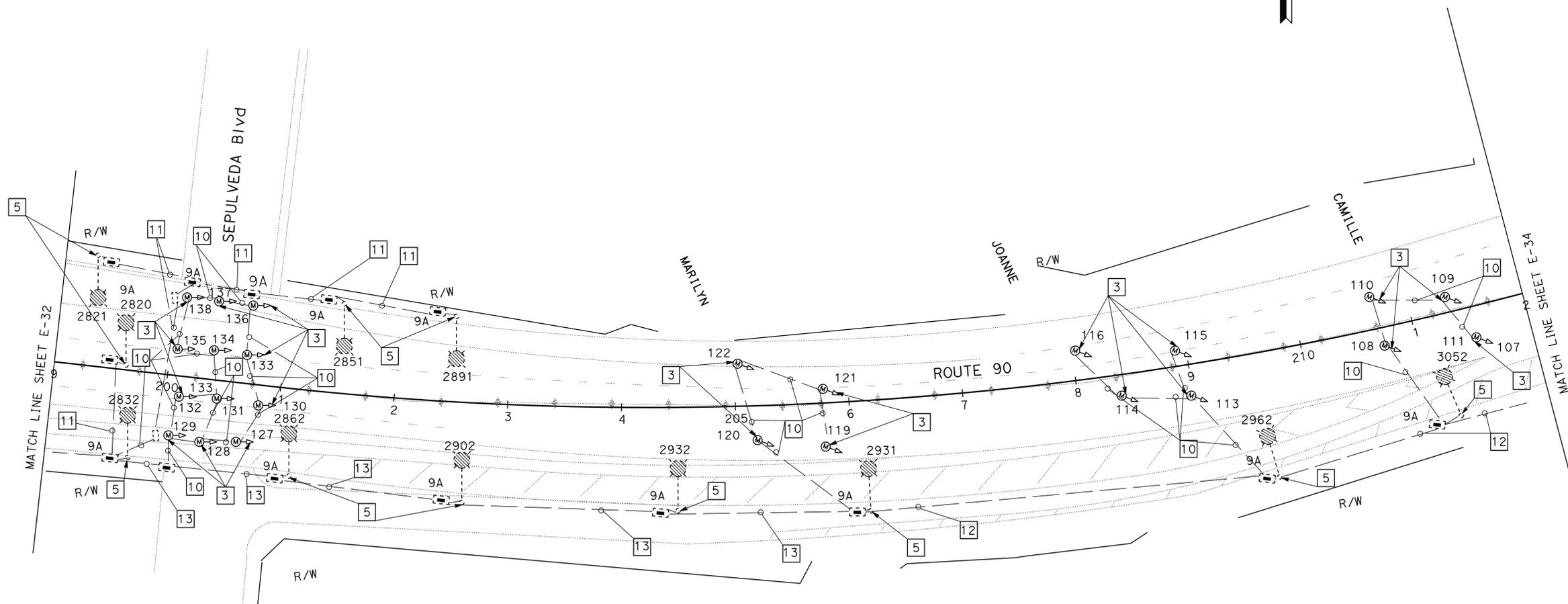
FATEMEH ANSARI	5/22/14
REGISTERED ELECTRICAL ENGINEER	DATE
7-21-14	
PLANS APPROVAL DATE	



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.

NOTES: (THIS SHEET)

- FOR ACCURATE RIGHT OF WAY, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- FOR GENERAL NOTES AND LEGEND SEE SHEET E-1.
- FOR WIRING DIAGRAM, SEE SHEETS E-55, E-56.



WARNING

BEFORE STARTING WORK ON EXISTING SERIES LIGHTING CIRCUITS THE CONTRACTOR SHALL OBTAIN DAILY SAFETY CIRCUIT CLEARANCE FROM SERVING COMPANIES, DISCONNECT CIRCUITS, AND PLACE "MEN AT WORK" SIGNS NEAR OPEN SWITCHES.

MODIFY LIGHTING AND SIGN ILLUMINATION

SCALE: 1" = 50'

E-33

APPROVED FOR ELECTRICAL WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN
 FUNCTIONAL SUPERVISOR: HASSAN MANNA
 CALCULATED/DESIGNED BY: HASSAN MANNA
 CHECKED BY: HASSAN MANNA
 REVISED BY: FATEMEH ANSARI
 HASSAN MANNA

BORDER LAST REVISED 7/2/2010

USERNAME => s115484
 DGN FILE => 73x910u033.dgn

RELATIVE BORDER SCALE IS IN INCHES



UNIT 1879

PROJECT NUMBER & PHASE

07130003241

LAST REVISION: 00-00-00
 DATE PLOTTED => 25-AUG-2014
 TIME PLOTTED => 14:28

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90, 110	Var	51	131

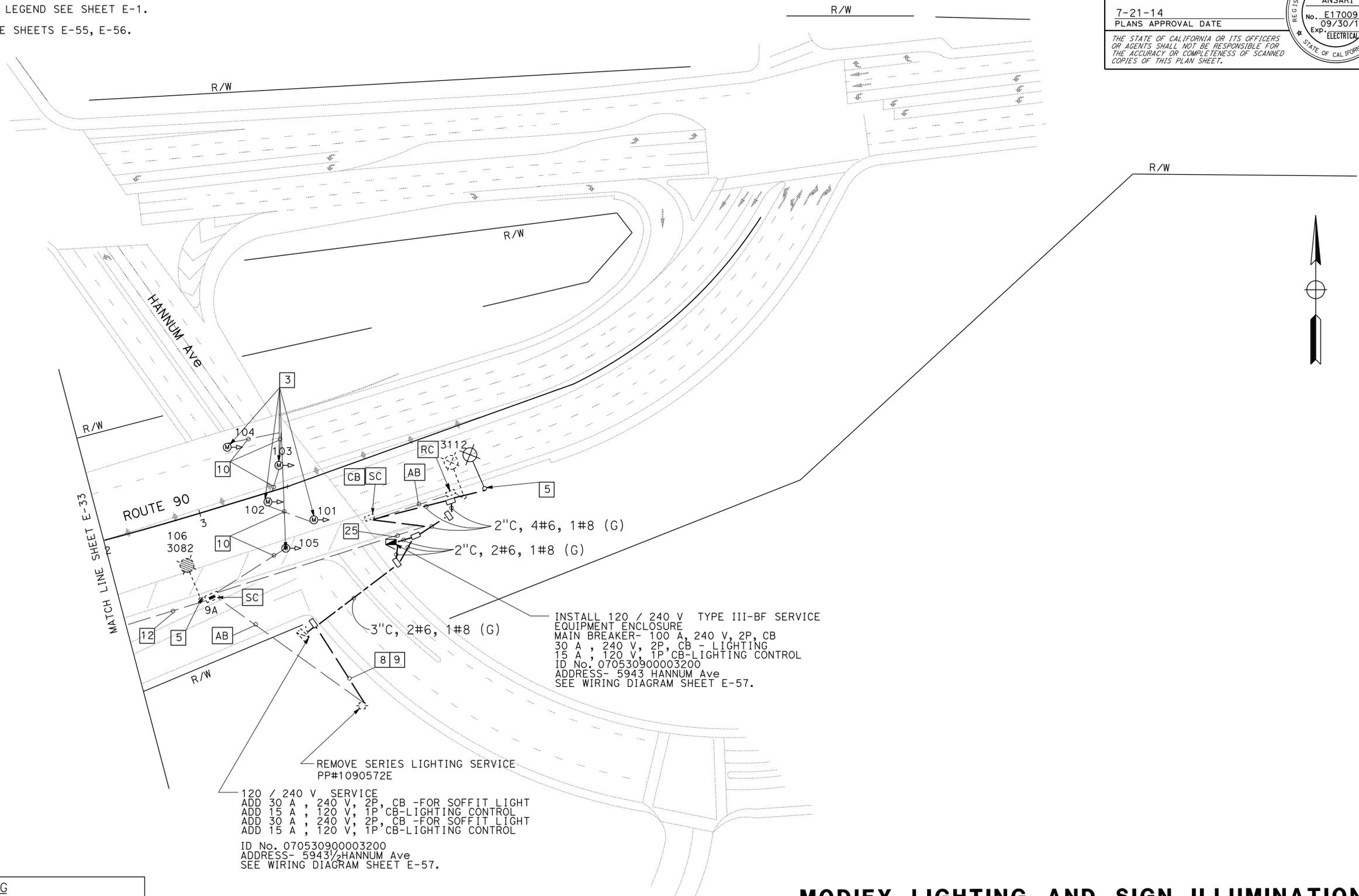
FATEMEH ANSARI	5/22/14
REGISTERED ELECTRICAL ENGINEER	DATE
7-21-14	
PLANS APPROVAL DATE	

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.

NOTES: (THIS SHEET)

1. FOR ACCURATE RIGHT OF WAY, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. FOR GENERAL NOTES AND LEGEND SEE SHEET E-1.
3. FOR WIRING DIAGRAM, SEE SHEETS E-55, E-56.

REVISOR: FATEMEH ANSARI, HASSAN MANNA
 DESIGNED BY: HASSAN MANNA
 CHECKED BY: HASSAN MANNA
 SUPERVISOR: HASSAN MANNA
 DEPARTMENT OF TRANSPORTATION - TRAFFIC DESIGN



WARNING
 BEFORE STARTING WORK ON EXISTING SERIES LIGHTING CIRCUITS THE CONTRACTOR SHALL OBTAIN DAILY SAFETY CIRCUIT CLEARANCE FROM SERVING COMPANIES, DISCONNECT CIRCUITS, AND PLACE "MEN AT WORK" SIGNS NEAR OPEN SWITCHES.

MODIFY LIGHTING AND SIGN ILLUMINATION

SCALE: 1" = 50'

APPROVED FOR ELECTRICAL WORK ONLY

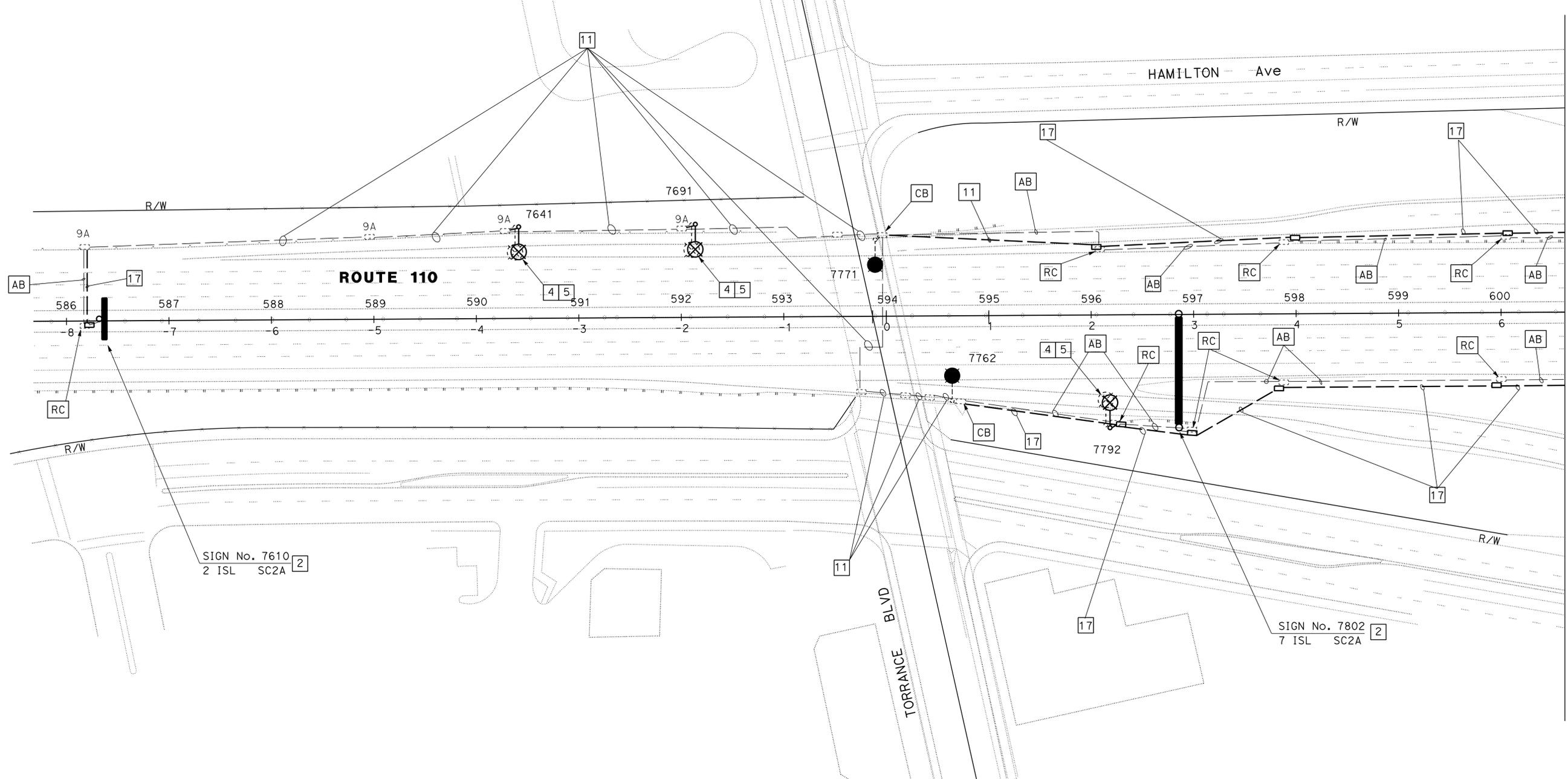
E-34

DATE PLOTTED => 25-AUG-2014
 TIME PLOTTED => 14:28
 LAST REVISION 00-00-00

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90, 110	Var	52	131
Stanley L. Johnson		5/22/14		REGISTERED ELECTRICAL ENGINEER DATE	
7-21-14		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:(THIS SHEET ONLY)

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. FOR LEGEND AND NOTES, SEE SHEET E-1.
3. FOR WIRING DIAGRAMS, SEE SHEETS E-58.



SIGN No. 7610
2 ISL SC2A [2]

SIGN No. 7802
7 ISL SC2A [2]

WARNING
BEFORE STARTING WORK ON EXISTING SERIES LIGHTING CIRCUITS THE CONTRACTOR SHALL OBTAIN DAILY SAFETY CIRCUIT CLEARANCE FROM SERVING COMPANIES, DISCONNECT CIRCUITS, AND PLACE "MEN AT WORK" SIGNS NEAR OPEN SWITCHES.

MODIFY LIGHTING AND SIGN ILLUMINATION
SCALE 1" = 50'

APPROVED FOR ELECTRICAL WORK ONLY

E-35

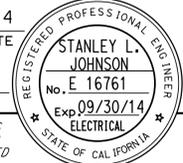
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
TRAFFIC DESIGN
 FUNCTIONAL SUPERVISOR: HASSAN MANNA
 CALCULATED/DESIGNED BY: STANLEY L. JOHNSON
 CHECKED BY: HASSAN MANNA
 REVISED BY: HASSAN MANNA
 DATE REVISED:

MATCH LINE SEE SHEET E-36

LAST REVISION: 00-00-00
 DATE PLOTTED => 25-AUG-2014
 TIME PLOTTED => 14:28

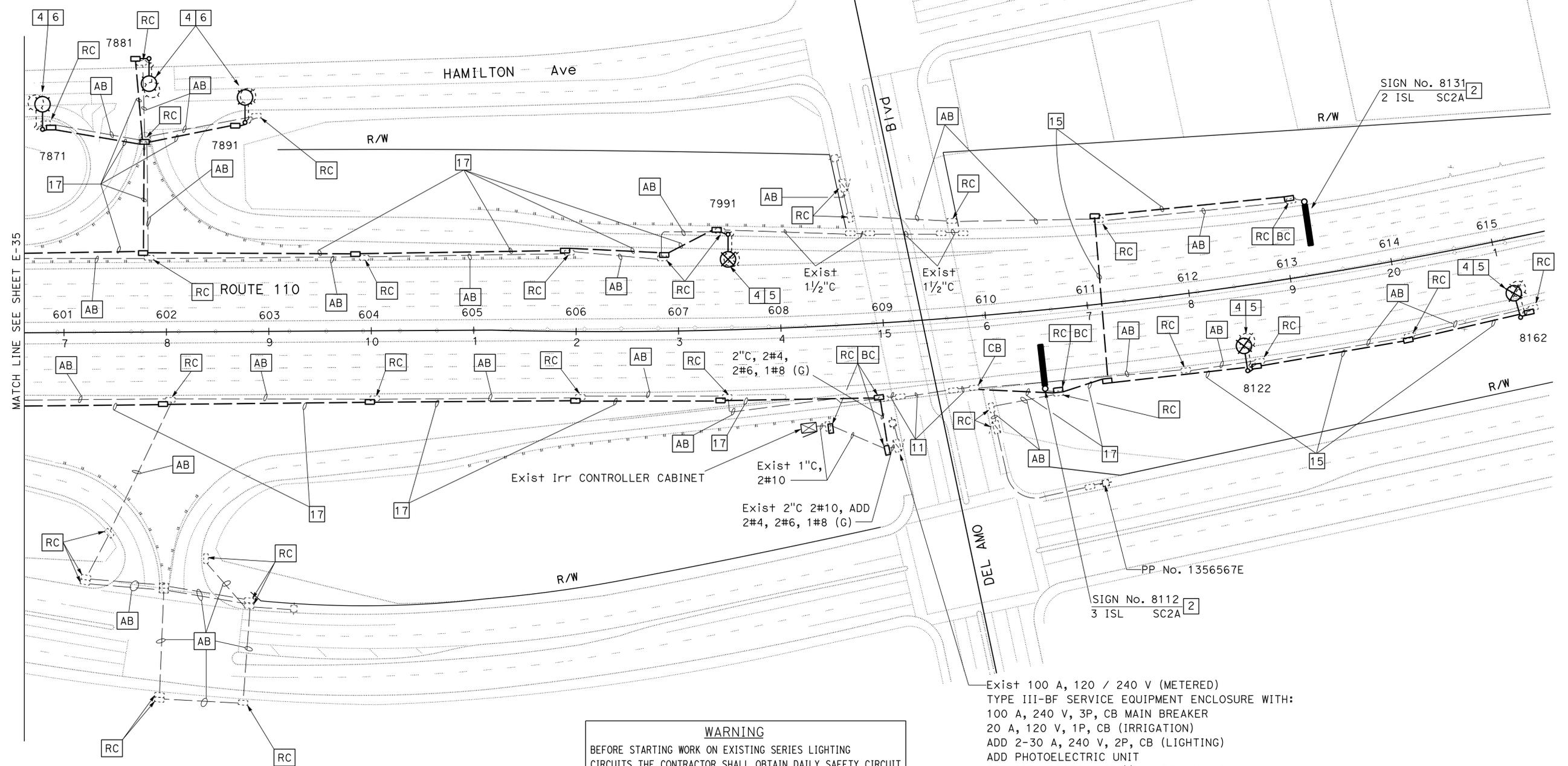
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90, 110	Var	53	131

<i>Stanley L. Johnson</i>	5/22/14
REGISTERED ELECTRICAL ENGINEER	DATE
7-21-14	
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.

- NOTES: (THIS SHEET ONLY)
- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
 - FOR LEGEND AND NOTES, SEE SHEET E-1.
 - FOR WIRING DIAGRAMS, SEE SHEETS E-58.



WARNING
BEFORE STARTING WORK ON EXISTING SERIES LIGHTING CIRCUITS THE CONTRACTOR SHALL OBTAIN DAILY SAFETY CIRCUIT CLEARANCE FROM SERVING COMPANIES, DISCONNECT CIRCUITS, AND PLACE "MEN AT WORK" SIGNS NEAR OPEN SWITCHES.

MODIFY LIGHTING AND SIGN ILLUMINATION
SCALE 1" = 50'

E-36

APPROVED FOR ELECTRICAL WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR: HASSAN MANNA
CALCULATED/DESIGNED BY: STANLEY L. JOHNSON
CHECKED BY: HASSAN MANNA
REVISED BY: HASSAN MANNA
DATE REVISED:

DATE PLOTTED => 25-AUG-2014
TIME PLOTTED => 14:28
LAST REVISION: 00-00-00

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90, 110	Var	54	131

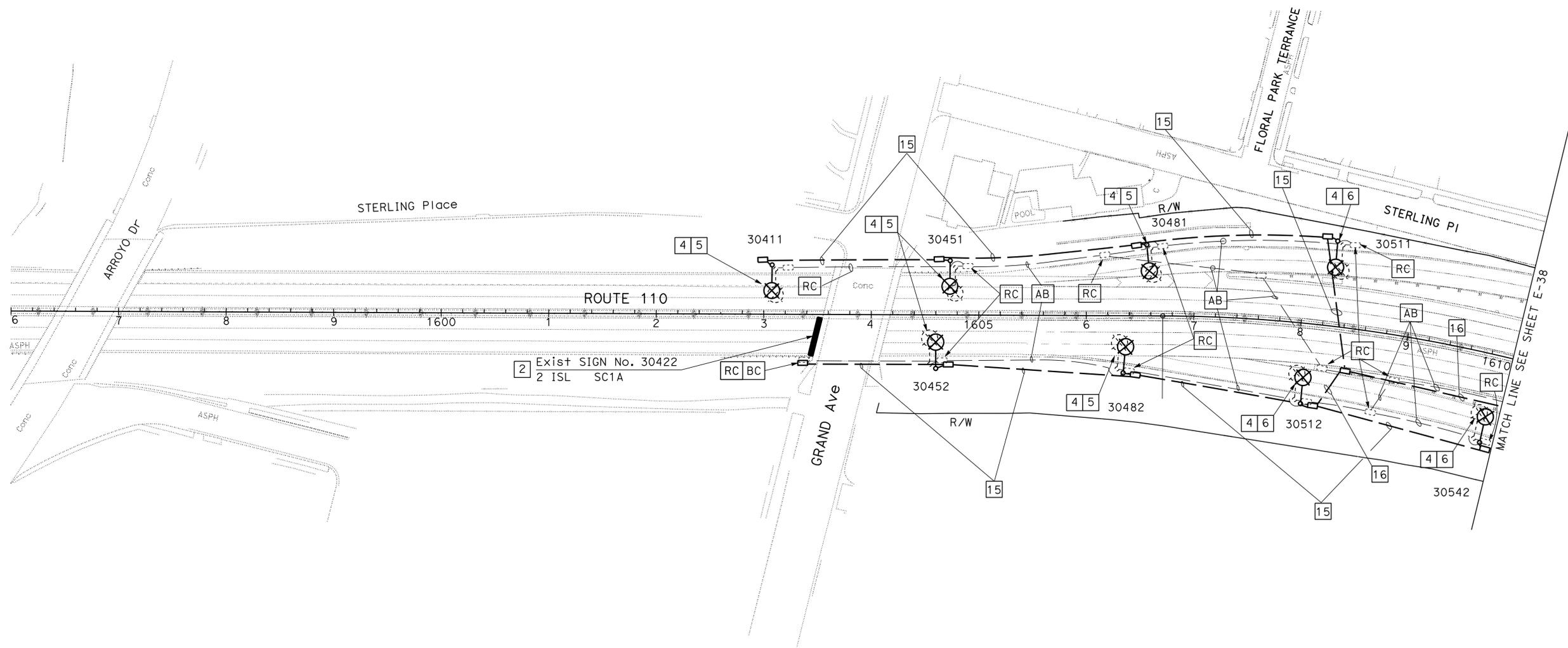
<i>Stanley L. Johnson</i>	5/22/14
REGISTERED ELECTRICAL ENGINEER	DATE
7-21-14	
PLANS APPROVAL DATE	

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.	
---	--

NOTES:(THIS SHEET ONLY)

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. FOR LEGEND AND NOTES, SEE SHEET E-1.
3. FOR WIRING DIAGRAMS, SEE SHEETS E-59.

WARNING
 BEFORE STARTING WORK ON EXISTING SERIES LIGHTING CIRCUITS THE CONTRACTOR SHALL OBTAIN DAILY SAFETY CIRCUIT CLEARANCE FROM SERVING COMPANIES, DISCONNECT CIRCUITS, AND PLACE "MEN AT WORK" SIGNS NEAR OPEN SWITCHES.



2 Exist SIGN No. 30422
 2 ISL SC1A

**MODIFY LIGHTING AND
 SIGN ILLUMINATION**
 SCALE 1" = 50'

APPROVED FOR ELECTRICAL WORK ONLY

E-37

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR
 HASSAN MANNA

CALCULATED-DESIGNED BY
 CHECKED BY
 HASSAN MANNA

REVISOR BY
 DATE REVISOR
 STANLEY L. JOHNSON
 HASSAN MANNA

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90, 110	Var	55	131

<i>Stanley L. Johnson</i>	5/22/14
REGISTERED ELECTRICAL ENGINEER	DATE
7-21-14	
PLANS APPROVAL DATE	

STANLEY L. JOHNSON
No. E 16761
Exp 09/30/14
ELECTRICAL
STATE OF CALIFORNIA

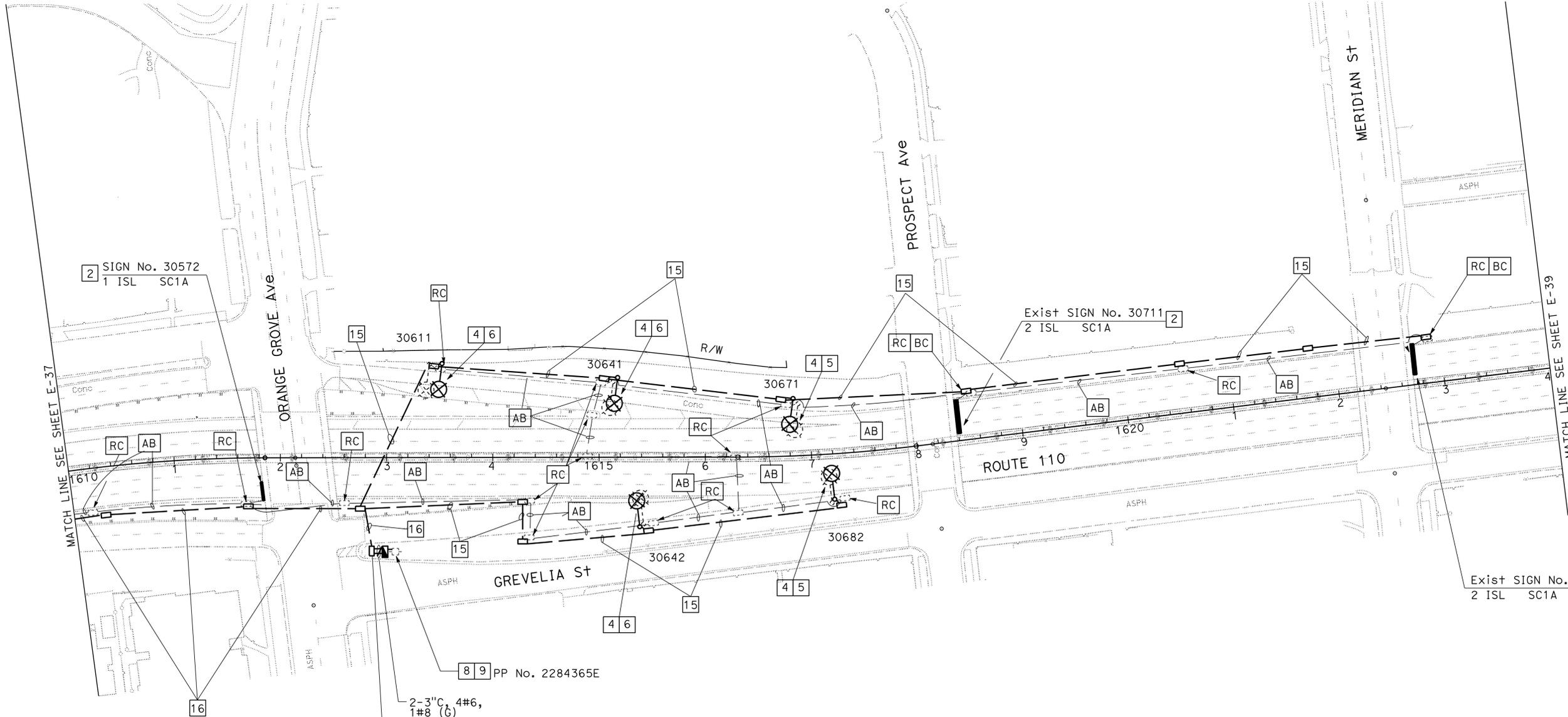
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



- NOTES:(THIS SHEET ONLY)**
- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
 - FOR LEGEND AND NOTES, SEE SHEET E-1.
 - FOR WIRING DIAGRAMS, SEE SHEETS E-59.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR: HASSAN MANNA
 CALCULATED/DESIGNED BY: HASSAN MANNA
 CHECKED BY: HASSAN MANNA
 REVISIONS: STANLEY L. JOHNSON, HASSAN MANNA
 REVISED BY: HASSAN MANNA
 DATE REVISED: [blank]



INSTALL 100 A, 120 / 240 V (METERED), TYPE III-BF SERVICE EQUIPMENT ENCLOSURE WITH:
 100 A, 240 V, 2P, CB - MAIN BREAKER
 2-30 A, 240 V, 2P, CB - LIGHTING
 SERVICE ADDRESS: 803 1/2 GREVELIA ST
 Ctid 07-53-110-0-0030.600-M

WARNING
 BEFORE STARTING WORK ON EXISTING SERIES LIGHTING CIRCUITS THE CONTRACTOR SHALL OBTAIN DAILY SAFETY CIRCUIT CLEARANCE FROM SERVING COMPANIES, DISCONNECT CIRCUITS, AND PLACE "MEN AT WORK" SIGNS NEAR OPEN SWITCHES.

MODIFY LIGHTING AND SIGN ILLUMINATION
 SCALE 1" = 50'
E-38

APPROVED FOR ELECTRICAL WORK ONLY

LAST REVISION: 00-00-00 DATE PLOTTED => 25-AUG-2014 TIME PLOTTED => 14:28

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90, 110	Var	56	131

<i>Stanley L. Johnson</i>	5/22/14
REGISTERED ELECTRICAL ENGINEER	DATE
7-21-14	
PLANS APPROVAL DATE	

STANLEY L. JOHNSON
No. E 16761
Exp 09/30/14
ELECTRICAL

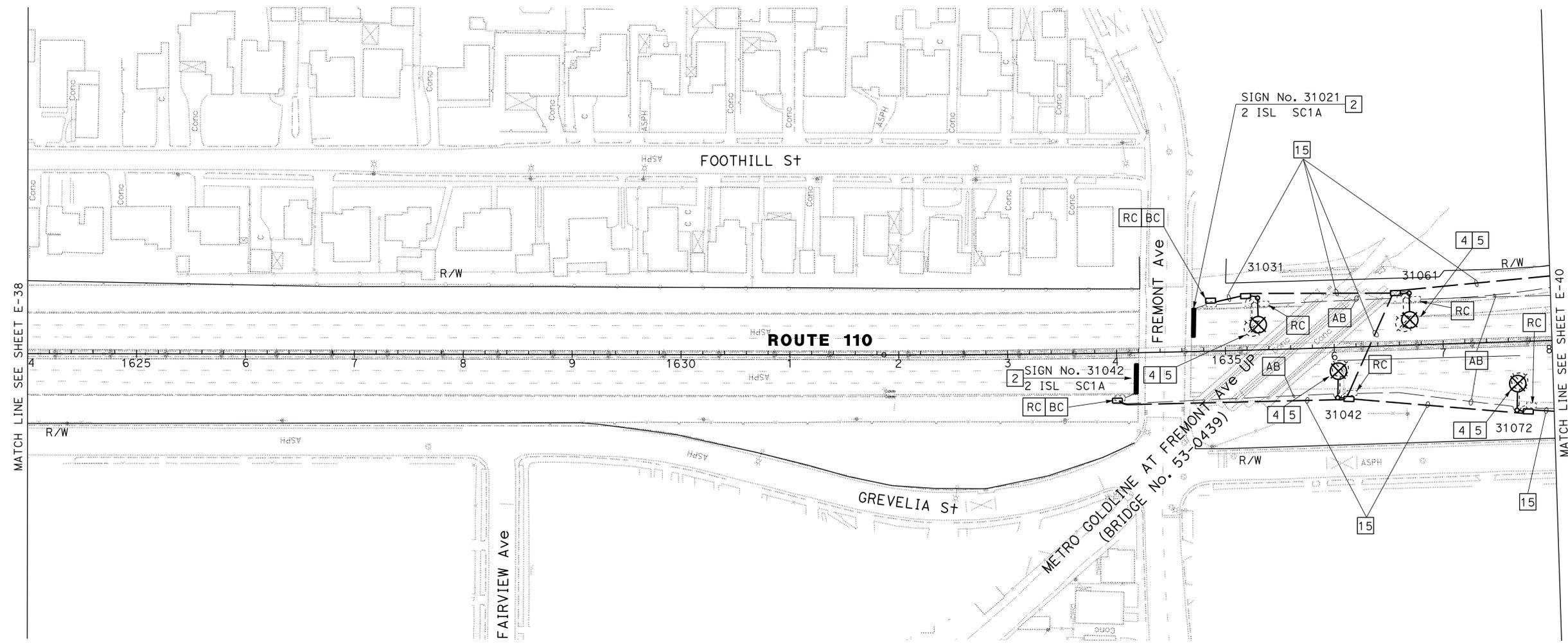
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



NOTES:(THIS SHEET ONLY)

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. FOR LEGEND AND NOTES, SEE SHEET E-1.
3. FOR WIRING DIAGRAMS, SEE SHEETS E-60.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Stantec TRAFFIC DESIGN
 FUNCTIONAL SUPERVISOR: HASSAN MANNA
 CALCULATED-DRAWN BY: HASSAN MANNA
 CHECKED BY: HASSAN MANNA
 DESIGNED BY: STANLEY L. JOHNSON
 HASSAN MANNA
 REVISIONS: REVISOR: HASSAN MANNA DATE: 7/2/2010



WARNING
 BEFORE STARTING WORK ON EXISTING SERIES LIGHTING CIRCUITS THE CONTRACTOR SHALL OBTAIN DAILY SAFETY CIRCUIT CLEARANCE FROM SERVING COMPANIES, DISCONNECT CIRCUITS, AND PLACE "MEN AT WORK" SIGNS NEAR OPEN SWITCHES.

MODIFY LIGHTING AND SIGN ILLUMINATION
 SCALE 1" = 50'

APPROVED FOR ELECTRICAL WORK ONLY

E-39

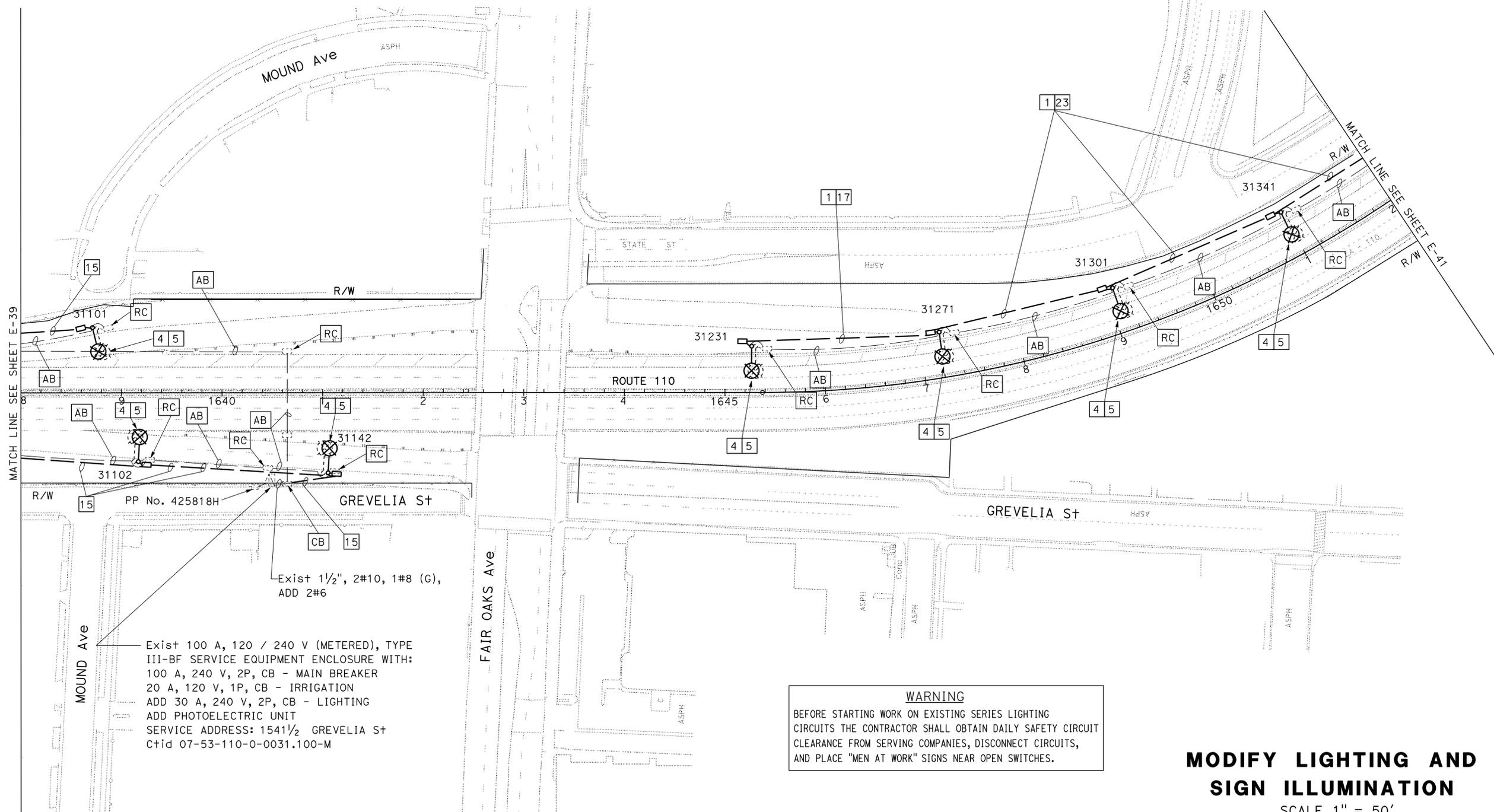
DATE PLOTTED => 25-AUG-2014 TIME PLOTTED => 14:29

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90, 110	Var	57	131

<i>Stanley L. Johnson</i>	5/22/14
REGISTERED ELECTRICAL ENGINEER	DATE
7-21-14	
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.	
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- NOTES:(THIS SHEET ONLY)
- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
 - FOR LEGEND AND NOTES, SEE SHEET E-1.
 - FOR WIRING DIAGRAMS, SEE SHEETS E-60 AND E-61.



Exist 100 A, 120 / 240 V (METERED), TYPE III-BF SERVICE EQUIPMENT ENCLOSURE WITH:
 100 A, 240 V, 2P, CB - MAIN BREAKER
 20 A, 120 V, 1P, CB - IRRIGATION
 ADD 30 A, 240 V, 2P, CB - LIGHTING
 ADD PHOTOELECTRIC UNIT
 SERVICE ADDRESS: 1541 1/2 GREVELIA St
 Ctid 07-53-110-0-0031.100-M

WARNING
 BEFORE STARTING WORK ON EXISTING SERIES LIGHTING CIRCUITS THE CONTRACTOR SHALL OBTAIN DAILY SAFETY CIRCUIT CLEARANCE FROM SERVING COMPANIES, DISCONNECT CIRCUITS, AND PLACE "MEN AT WORK" SIGNS NEAR OPEN SWITCHES.

MODIFY LIGHTING AND SIGN ILLUMINATION
 SCALE 1" = 50'

APPROVED FOR ELECTRICAL WORK ONLY

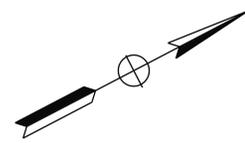
E-40

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN
 FUNCTIONAL SUPERVISOR: HASSAN MANNA
 CALCULATED/DESIGNED BY: HASSAN MANNA
 CHECKED BY: HASSAN MANNA
 REVISIONS: (x) STANLEY L. JOHNSON, (x) HASSAN MANNA, (x) DATE REVISIED, (x) DATE REVISIED

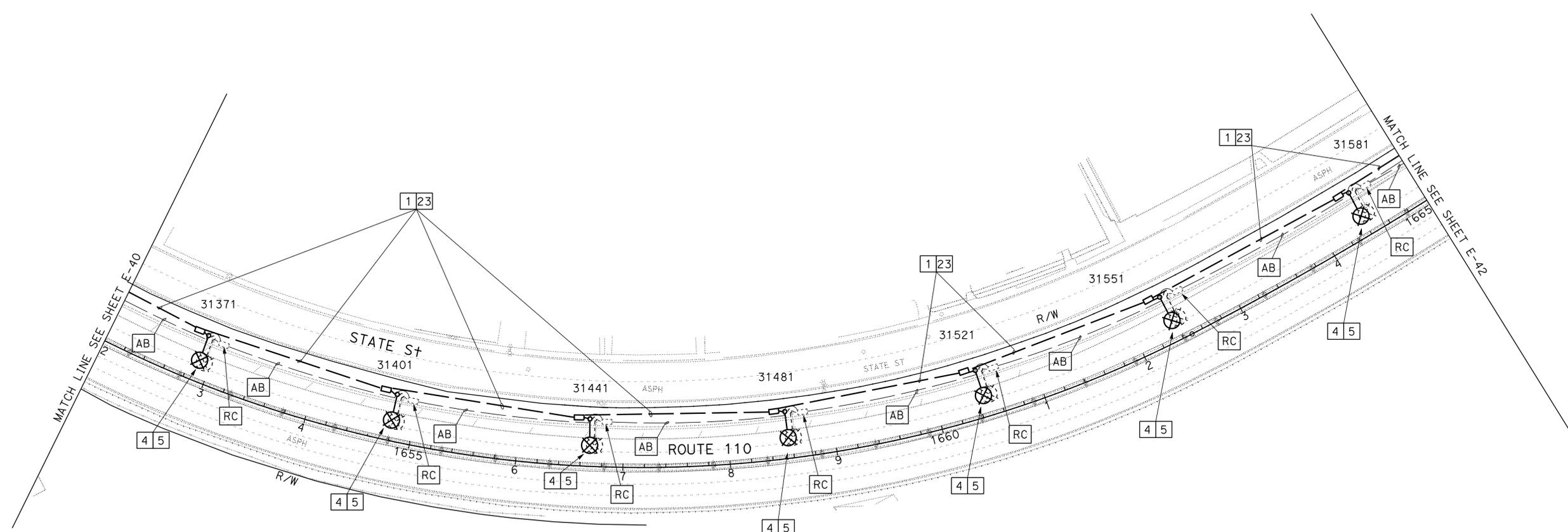
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90, 110	Var	58	131

<i>Stanley L. Johnson</i>	5-22-14
REGISTERED ELECTRICAL ENGINEER	DATE
7-21-14	
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.	
---	--



- NOTES:(THIS SHEET ONLY)
1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
 2. FOR LEGEND AND NOTES, SEE SHEET E-1.
 3. FOR WIRING DIAGRAMS, SEE SHEETS E-61.



WARNING
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MODIFY LIGHTING AND SIGN ILLUMINATION
 SCALE 1" = 50'

APPROVED FOR ELECTRICAL WORK ONLY

E-41

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR
 HASSAN MANNA

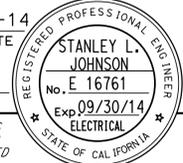
CALCULATED-DESIGNED BY
 CHECKED BY

STANLEY L. JOHNSON
 HASSAN MANNA

REVISED BY
 DATE REVISED

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90, 110	Var	59	131

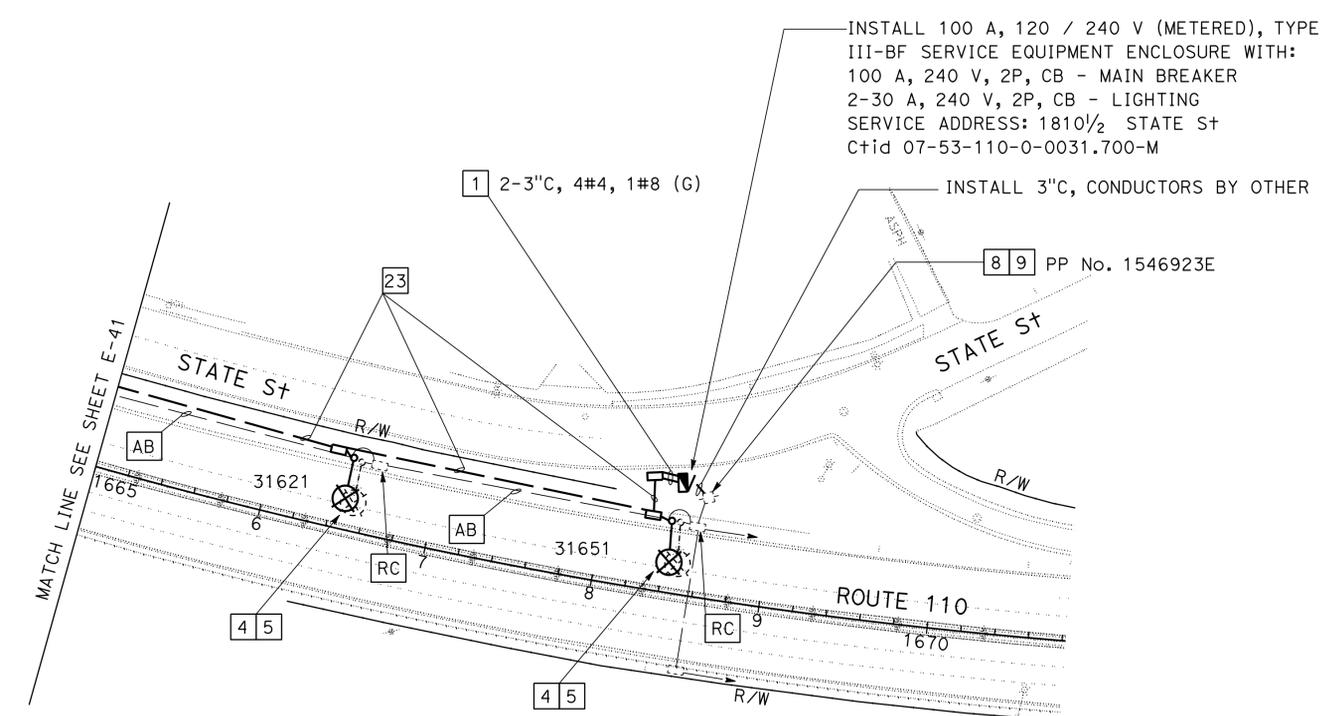
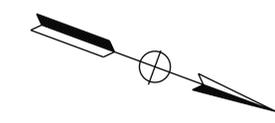
<i>Stanley L. Johnson</i>	5-22-14
REGISTERED ELECTRICAL ENGINEER	DATE
7-21-14	
PLANS APPROVAL DATE	



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.

NOTES:(THIS SHEET ONLY)

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- FOR LEGEND AND NOTES, SEE SHEET E-1.
- FOR WIRING DIAGRAMS, SEE SHEETS E-61.



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR: HASSAN MANNA

DESIGNED BY: STANLEY L. JOHNSON
 CHECKED BY: HASSAN MANNA

REVISED BY: []
 DATE REVISED: []

MODIFY LIGHTING AND SIGN ILLUMINATION
 SCALE 1" = 50'
E-42

APPROVED FOR ELECTRICAL WORK ONLY

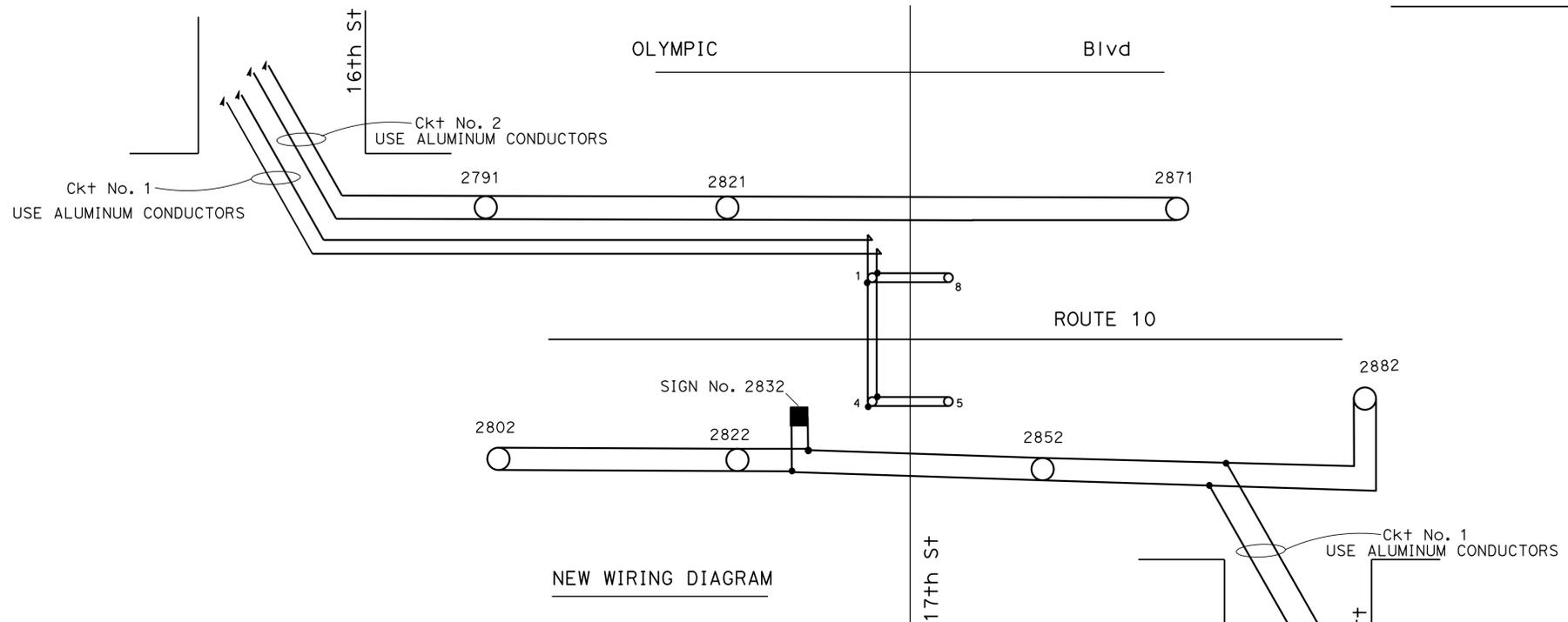
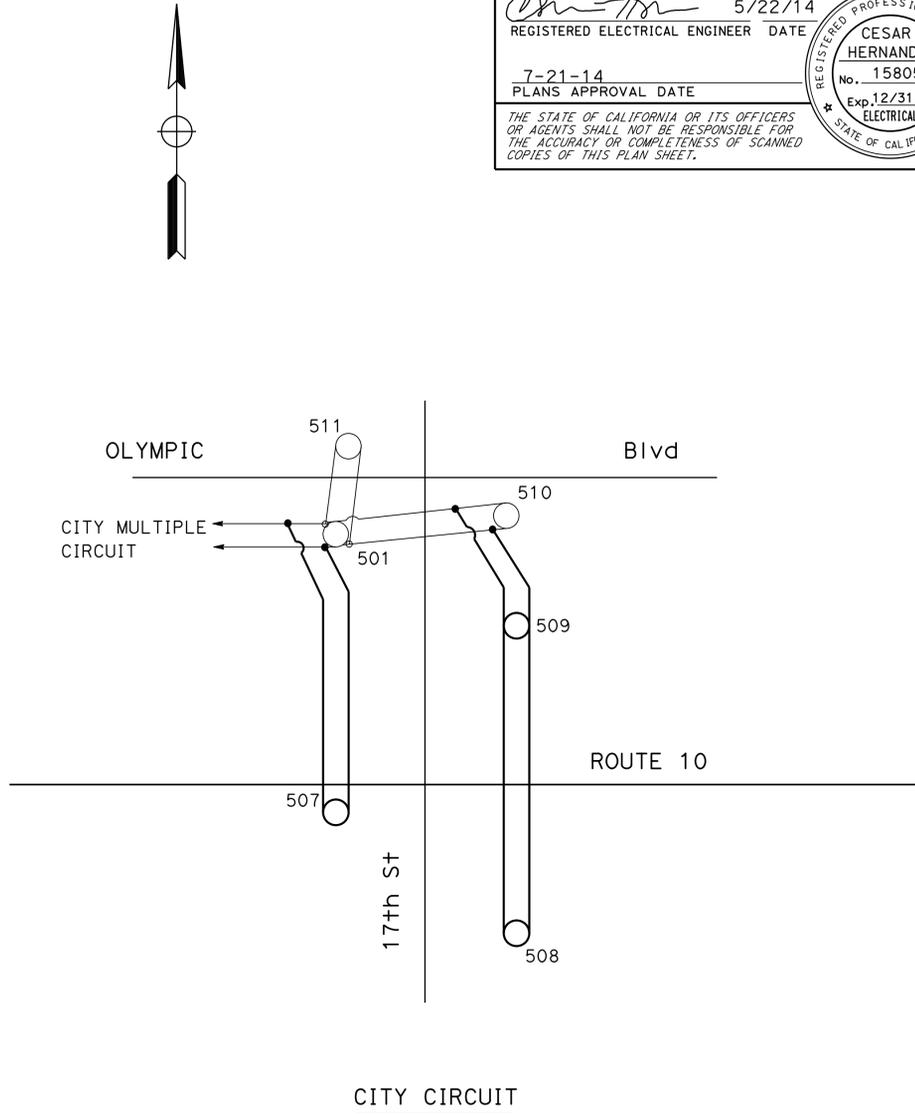
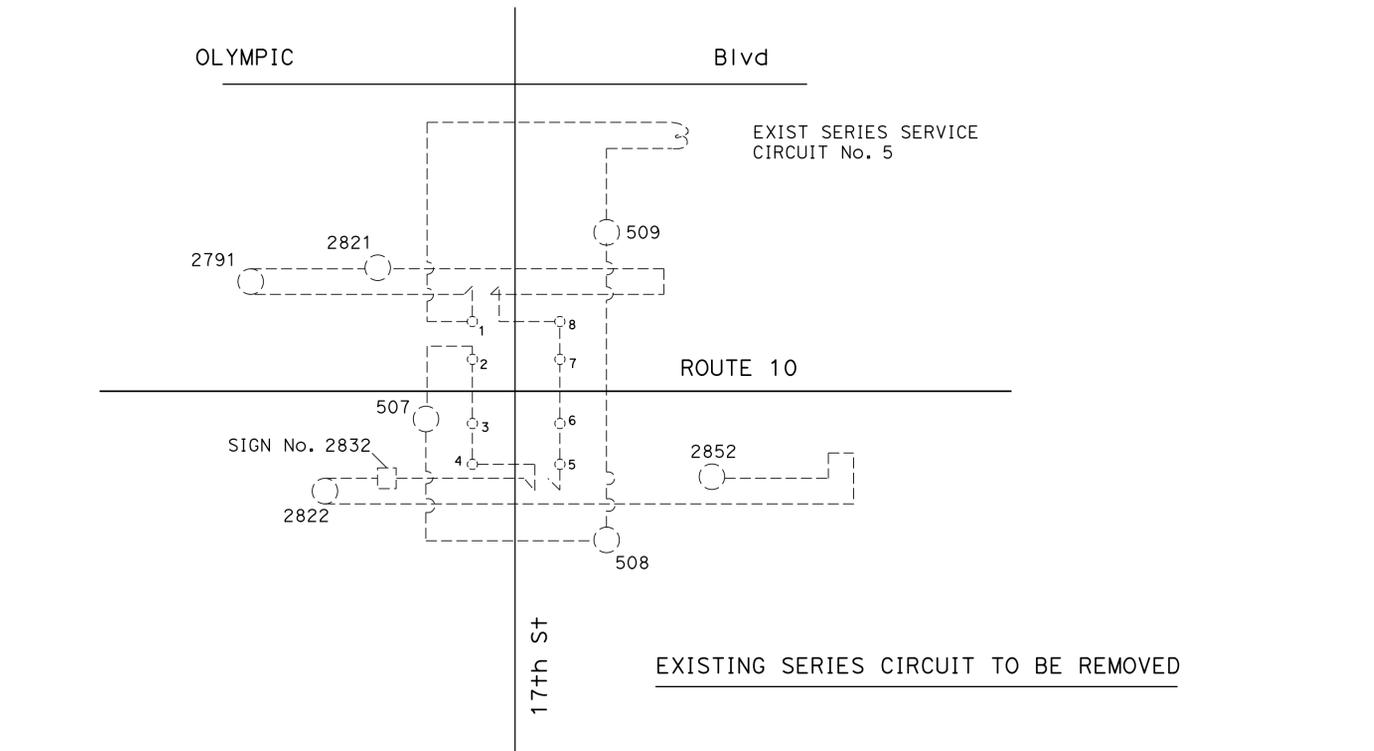
DATE PLOTTED => 25-AUG-2014
 TIME PLOTTED => 14:29
 LAST REVISION 00-00-00

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90, 110	Var	60	131

<i>Cesar Hernandez</i>	5/22/14
REGISTERED ELECTRICAL ENGINEER	DATE
7-21-14	
PLANS APPROVAL DATE	

CESAR HERNANDEZ
No. 15805
Exp. 12/31/14
ELECTRICAL

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.



(WIRING DIAGRAM)

APPROVED FOR ELECTRICAL WORK ONLY

MODIFY LIGHTING AND SIGN ILLUMINATION

NO SCALE

E-43

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans **TRAFFIC DESIGN**

FUNCTIONAL SUPERVISOR: HASSAN MANNA
 BASHAR NASSER
 CESAR HERNANDEZ

REVISOR: BASHAR NASSER
 DATE: 7/2/2010

DESIGNER: HASSAN MANNA
 CHECKER: CESAR HERNANDEZ

DATE: 7/2/2010

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90, 110	Var	61	131

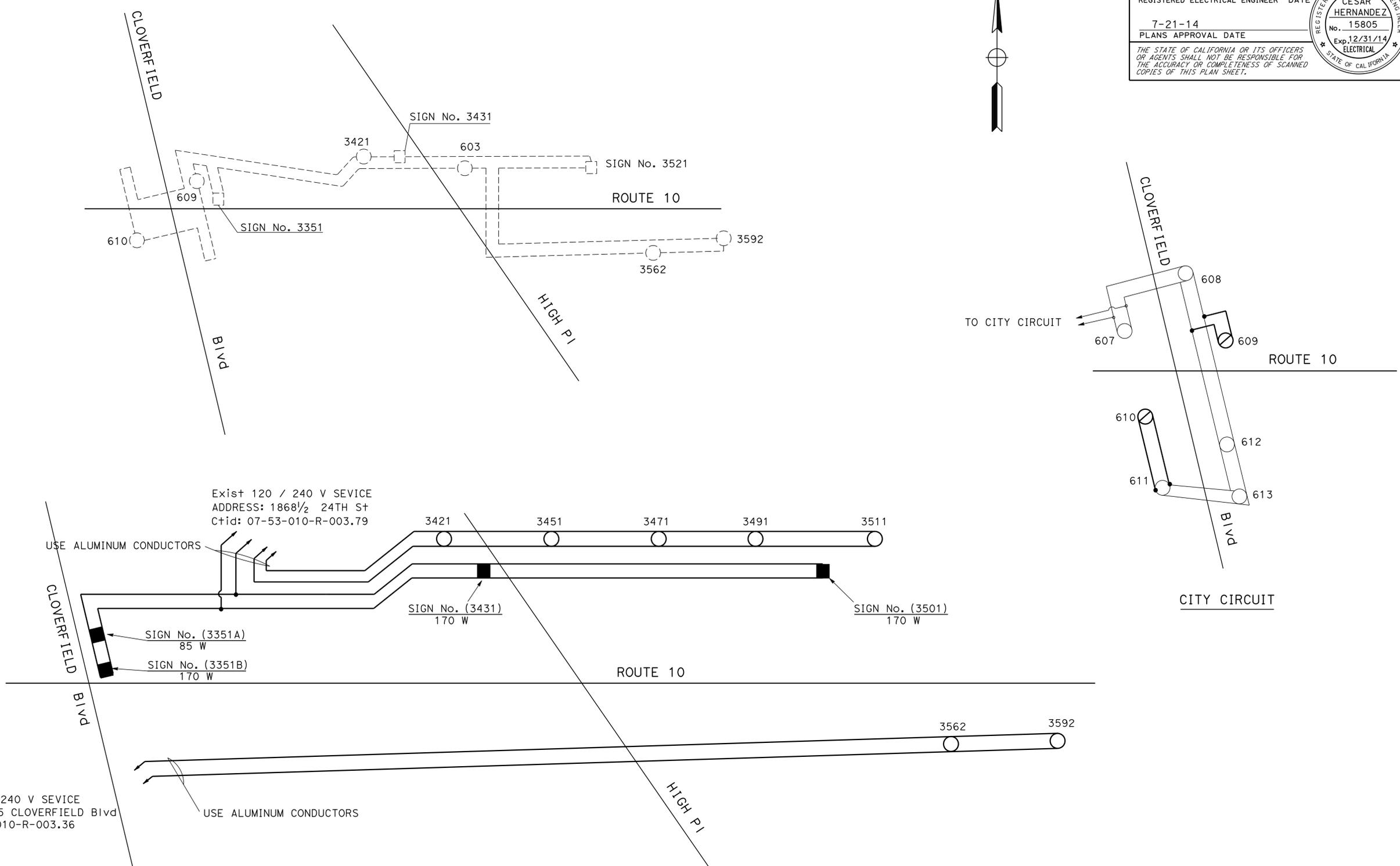
<i>Cesar Hernandez</i>	5/22/14
REGISTERED ELECTRICAL ENGINEER	DATE
7-21-14	
PLANS APPROVAL DATE	

CESAR HERNANDEZ
No. 15805
Exp. 12/31/14
ELECTRICAL

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.



EXISTING SERIES CIRCUIT TO BE REMOVED



(WIRING DIAGRAM)

MODIFY LIGHTING AND SIGN ILLUMINATION
NO SCALE

APPROVED FOR ELECTRICAL WORK ONLY

E-44

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION - **Caltrans** - **TRAFFIC DESIGN**

FUNCTIONAL SUPERVISOR: HASSAN MANNA
 CALCULATED-DRAWN BY: BASHAR NASSER
 CHECKED BY: CESAR HERNANDEZ
 REVISED BY: BASHAR NASSER
 DATE REVISED: CESAR HERNANDEZ

BORDER LAST REVISED 7/2/2010

USERNAME => s115484
 DGN FILE => 73x910ua044.dgn

RELATIVE BORDER SCALE IS IN INCHES

UNIT 1879

PROJECT NUMBER & PHASE

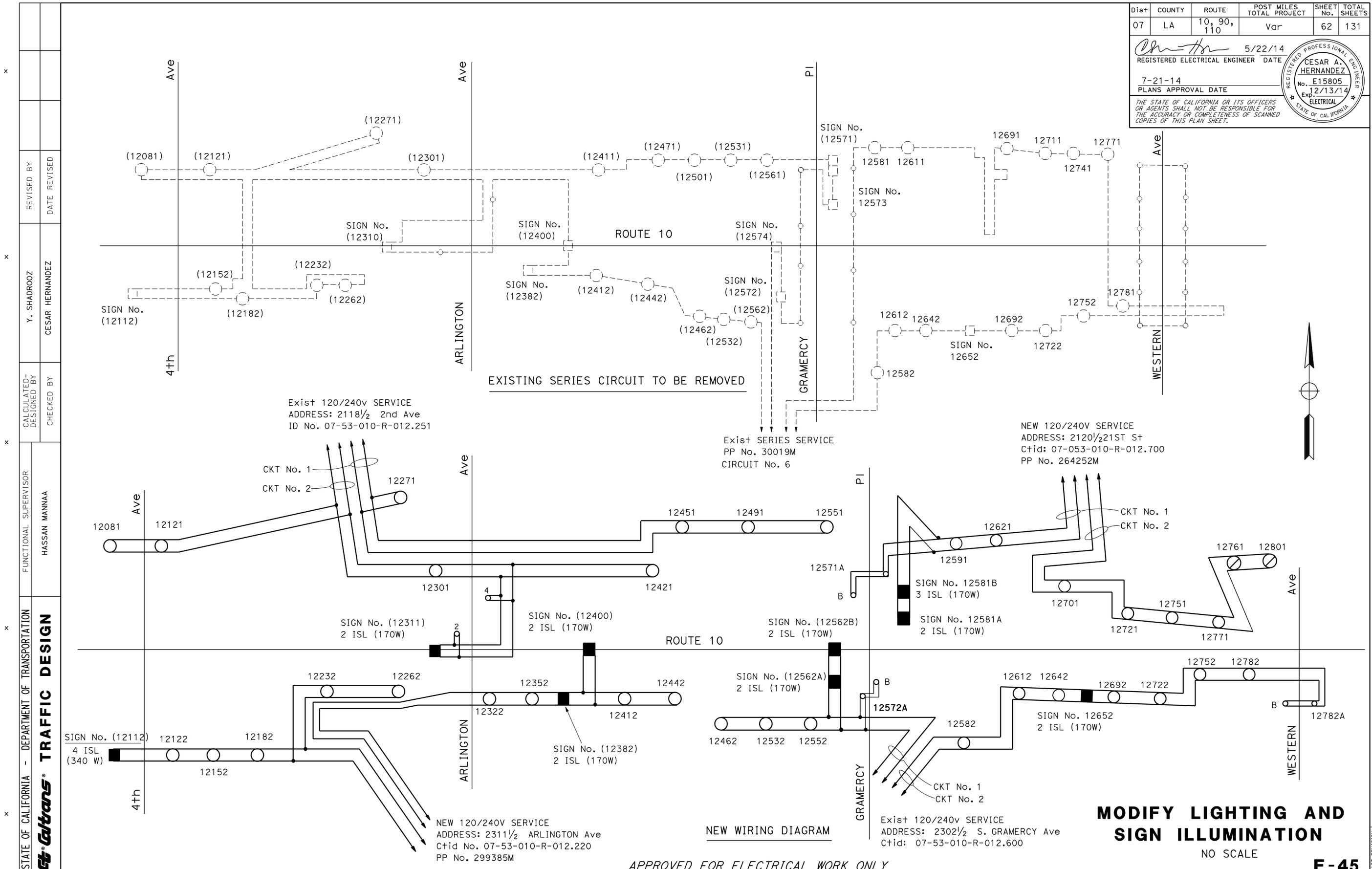
07130003241

DATE PLOTTED => 25-AUG-2014
 TIME PLOTTED => 14:29
 LAST REVISION 12-14-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90, 110	Var	62	131

5/22/14
 REGISTERED ELECTRICAL ENGINEER DATE
 7-21-14
 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.

REGISTERED PROFESSIONAL ENGINEER
CESAR A. HERNANDEZ
 No. E15805
 Exp. 12/13/14
 ELECTRICAL
 STATE OF CALIFORNIA



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN
 FUNCTIONAL SUPERVISOR: HASSAN MANNA
 DESIGNED BY: Y. SHADROOZ
 CHECKED BY: CESAR HERNANDEZ
 REVISIONS: REVISED BY: DATE REVISED:

MODIFY LIGHTING AND SIGN ILLUMINATION
 NO SCALE
E-45

APPROVED FOR ELECTRICAL WORK ONLY

LAST REVISION: 00-00-00
 DATE PLOTTED => 25-AUG-2014
 TIME PLOTTED => 14:29

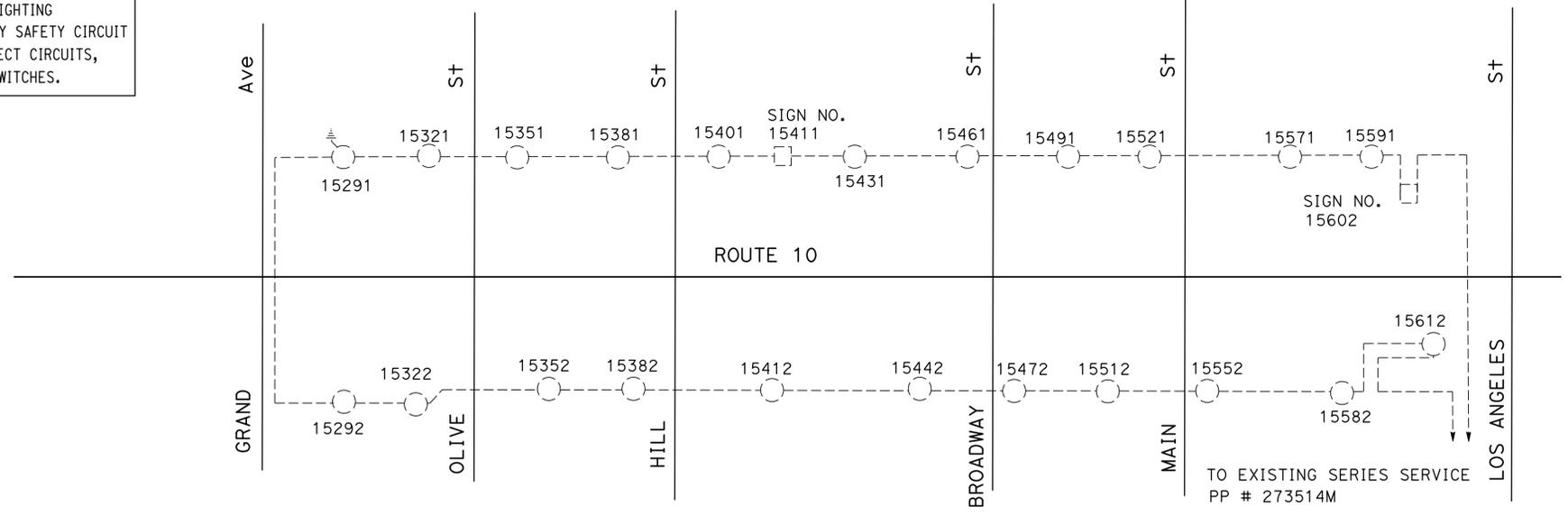
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90, 110	Var	64	131

<i>Cesar Hernandez</i>	5/22/14
REGISTERED ELECTRICAL ENGINEER	DATE
7-21-14	
PLANS APPROVAL DATE	

REGISTERED PROFESSIONAL ENGINEER	
CESAR HERNANDEZ	
No.	15805
Exp.	12/31/14
ELECTRICAL	
STATE OF CALIFORNIA	

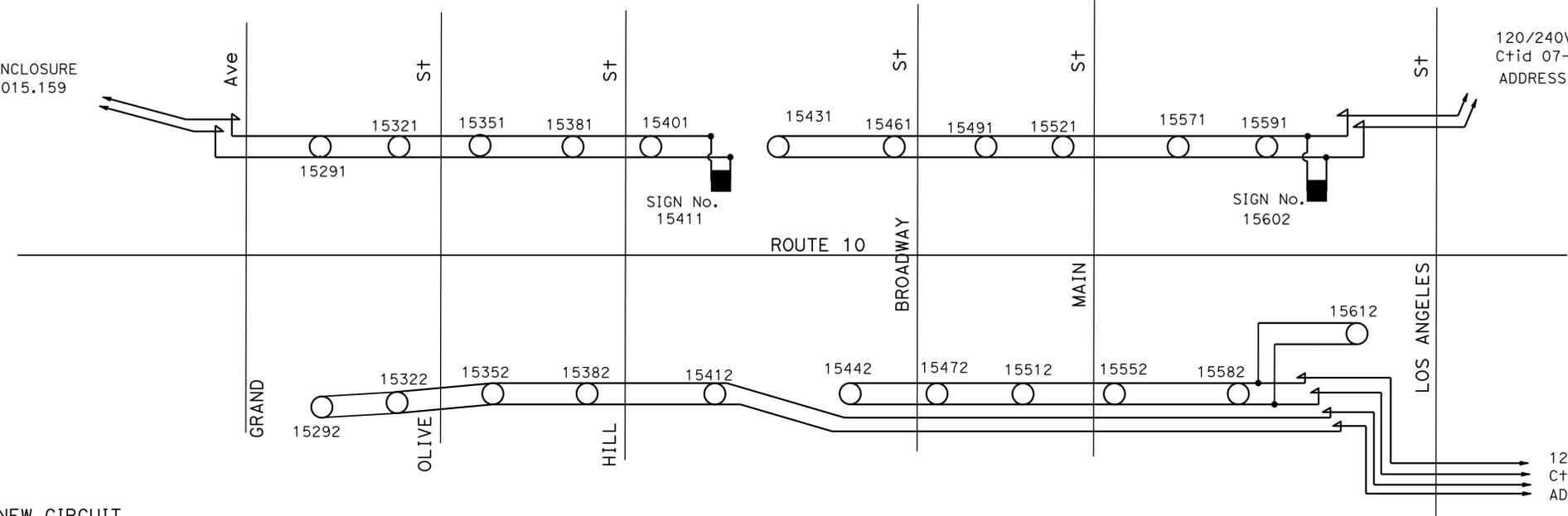
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

WARNING
 BEFORE STARTING WORK ON EXISTING SERIES LIGHTING CIRCUITS THE CONTRACTOR SHALL OBTAIN DAILY SAFETY CIRCUIT CLEARANCE FROM SERVING COMPANIES, DISCONNECT CIRCUITS, AND PLACE "MEN AT WORK" SIGNS NEAR OPEN SWITCHES.



EXISTING SERIES CIRCUIT TO BE REMOVED

120/240V SERVICE ENCLOSURE
 Ctid 07-53-010-R-0015.159
 PP #323205



NEW CIRCUIT

120/240V SERVICE ENCLOSURE
 Ctid 07-53-010-0015.400
 ADDRESS: 1616 1/2 LOS ANGELES ST

120/240V SERVICE ENCLOSURE
 Ctid 07-53-010-0015.500
 ADDRESS: 200 1/2 E 18TH ST



MODIFY LIGHTING AND SIGN ILLUMINATION (WIRING DIAGRAM)

NO SCALE

E-47

APPROVED FOR ELECTRICAL WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN
 HASSAN MANNA
 HASSAN MANNA
 HASSAN MANNA
 HASSAN MANNA

DATE PLOTTED => 25-AUG-2014
 TIME PLOTTED => 14:29

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90, 110	Var	65	131

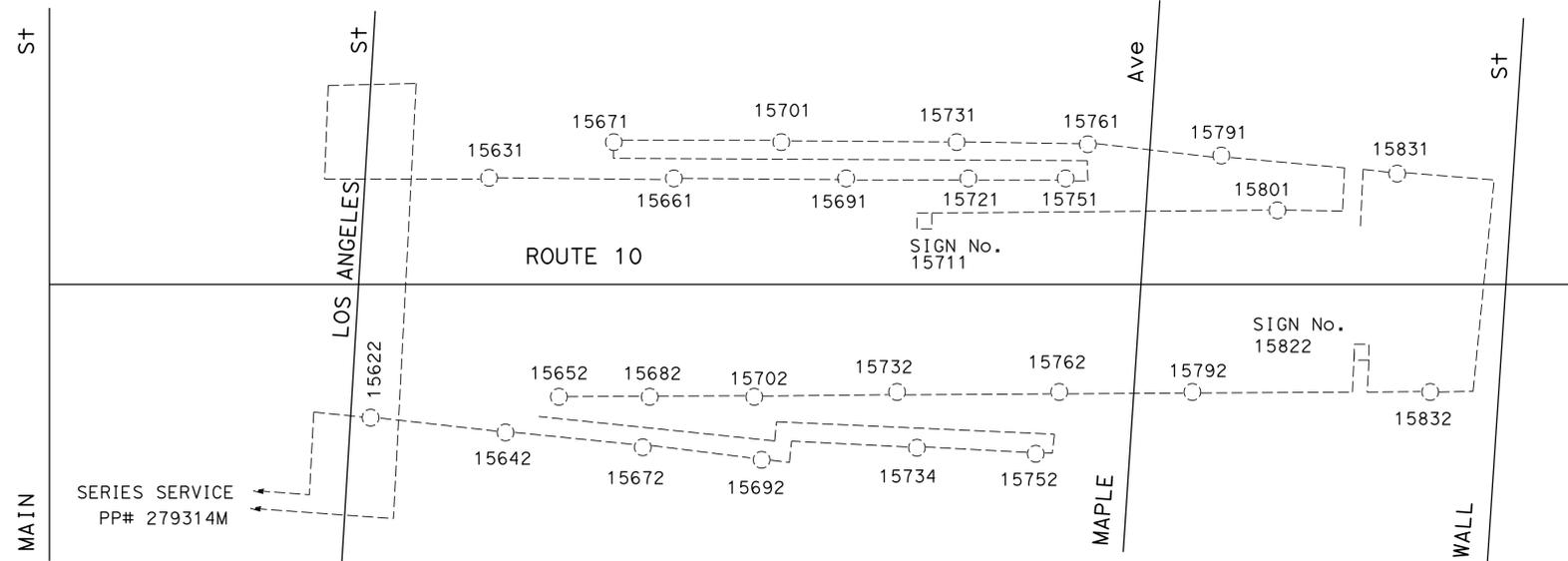
Kenny Nguyen	5/22/14
REGISTERED ELECTRICAL ENGINEER	DATE
7-21-14	
PLANS APPROVAL DATE	

REGISTERED PROFESSIONAL ENGINEER
KENNY NGUYEN
 No. E17759
 Exp. 6/30/14
 ELECTRICAL
 STATE OF CALIFORNIA

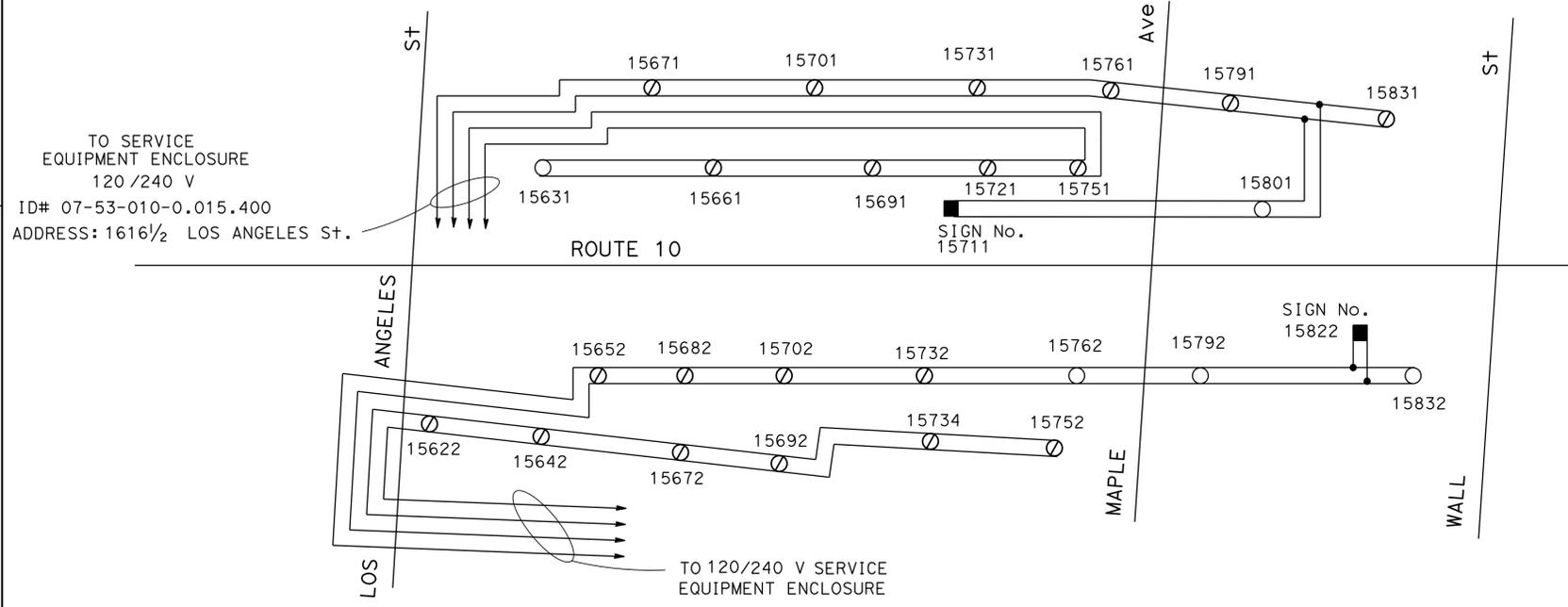
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



NOTE: THIS SHEET
1. FOR WIRING DIAGRAM LEGEND, SEE SHEET E-1.



EXISTING WIRING DIAGRAM (REMOVE)



NEW WIRING DIAGRAM

WARNING

BEFORE STARTING WORK ON EXISTING SERIES LIGHTING CIRCUITS THE CONTRACTOR SHALL OBTAIN DAILY SAFETY CIRCUIT CLEARANCE FROM SERVING COMPANIES, DISCONNECT CIRCUITS, AND PLACE "MEN AT WORK" SIGNS NEAR OPEN SWITCHES.

MODIFY LIGHTING AND SIGN ILLUMINATION

NO SCALE

E-48

APPROVED FOR ELECTRICAL WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 TRAFFIC DESIGN
 FUNCTIONAL SUPERVISOR: HASSAN MANNA
 CALCULATED/DESIGNED BY: KENNY NGUYEN
 CHECKED BY: HASSAN MANNA
 REVISED BY: []
 DATE REVISED: []

LAST REVISION: 00-00-00
 DATE PLOTTED => 25-AUG-2014
 TIME PLOTTED => 14:29

NOTE: (FOR THIS SHEET)

1. FOR WIRING DIAGRAM, SEE SHEET E-1.

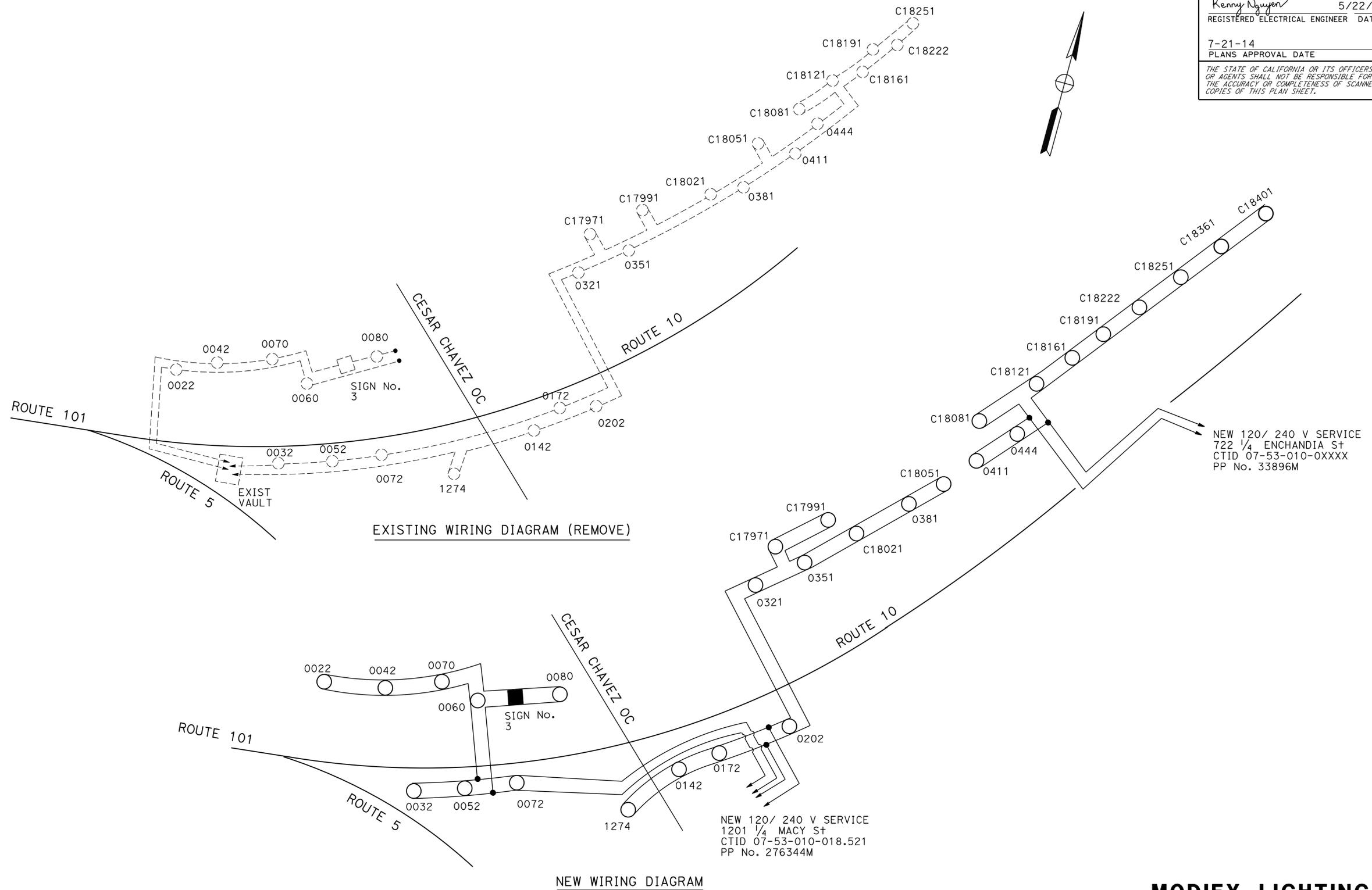
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90, 110	Var	69	131

Kenny Nguyen 5/22/14
 REGISTERED ELECTRICAL ENGINEER DATE

7-21-14
 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.

REGISTERED PROFESSIONAL ENGINEER
 KENNY NGUYEN
 No. E17759
 Exp 06/30/16
 ELECTRICAL
 STATE OF CALIFORNIA



MODIFY LIGHTING AND SIGN ILLUMINATION

NO SCALE

APPROVED FOR ELECTRICAL WORK ONLY

E-52

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN
 FUNCTIONAL SUPERVISOR HASSAN MANNA
 CALCULATED/DESIGNED BY CHECKED BY
 XOXHILT NARANJO KENNY NGUYEN
 REVISED BY DATE REVISED

NOTE: (FOR THIS SHEET)
 1. FOR WIRING DIAGRAM, SEE SHEET E-1.

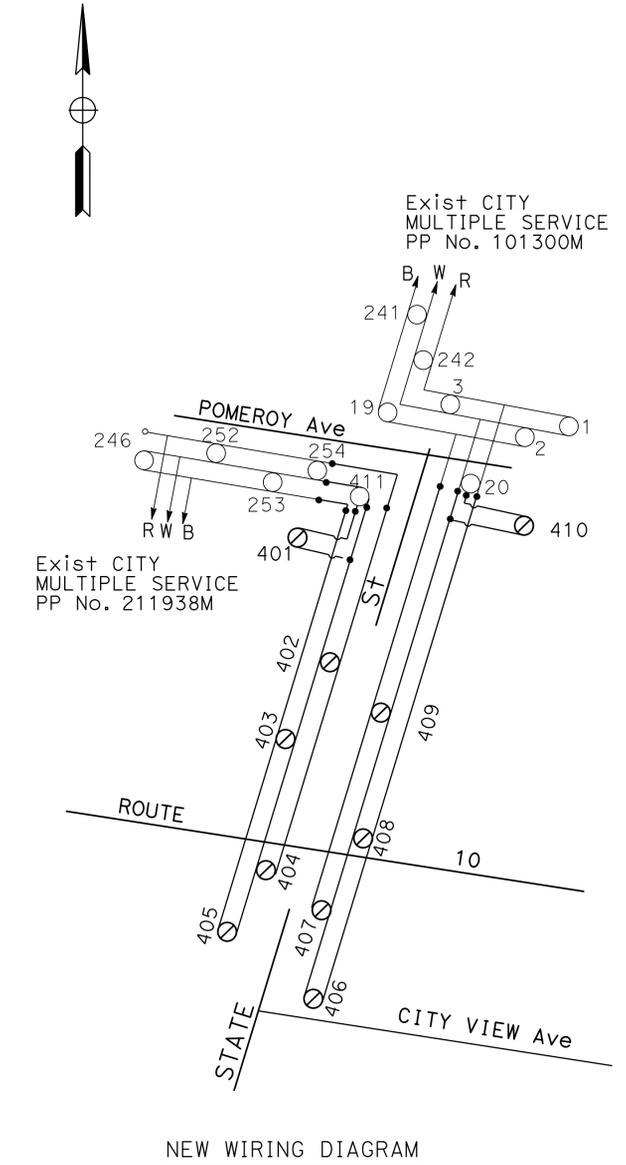
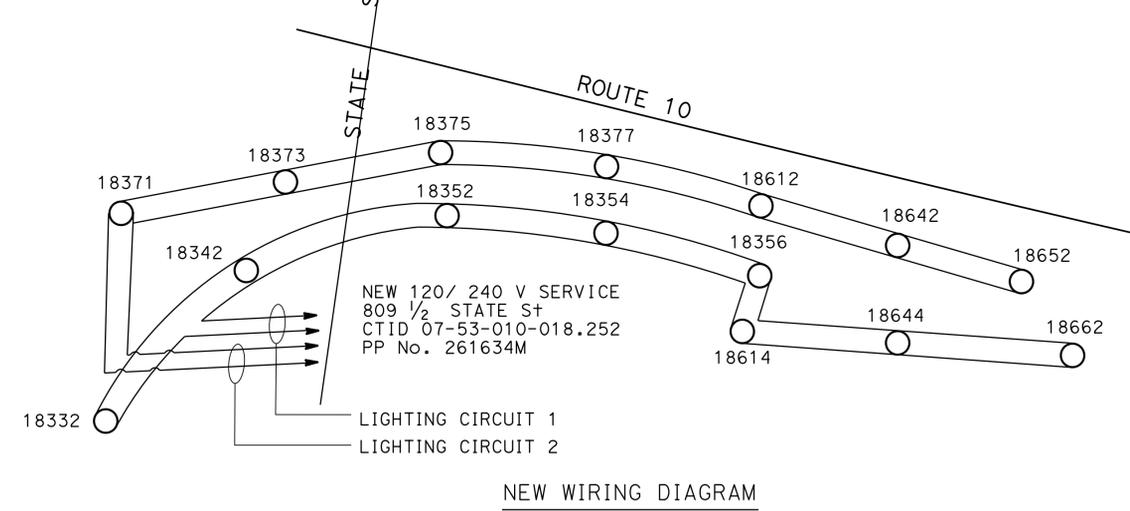
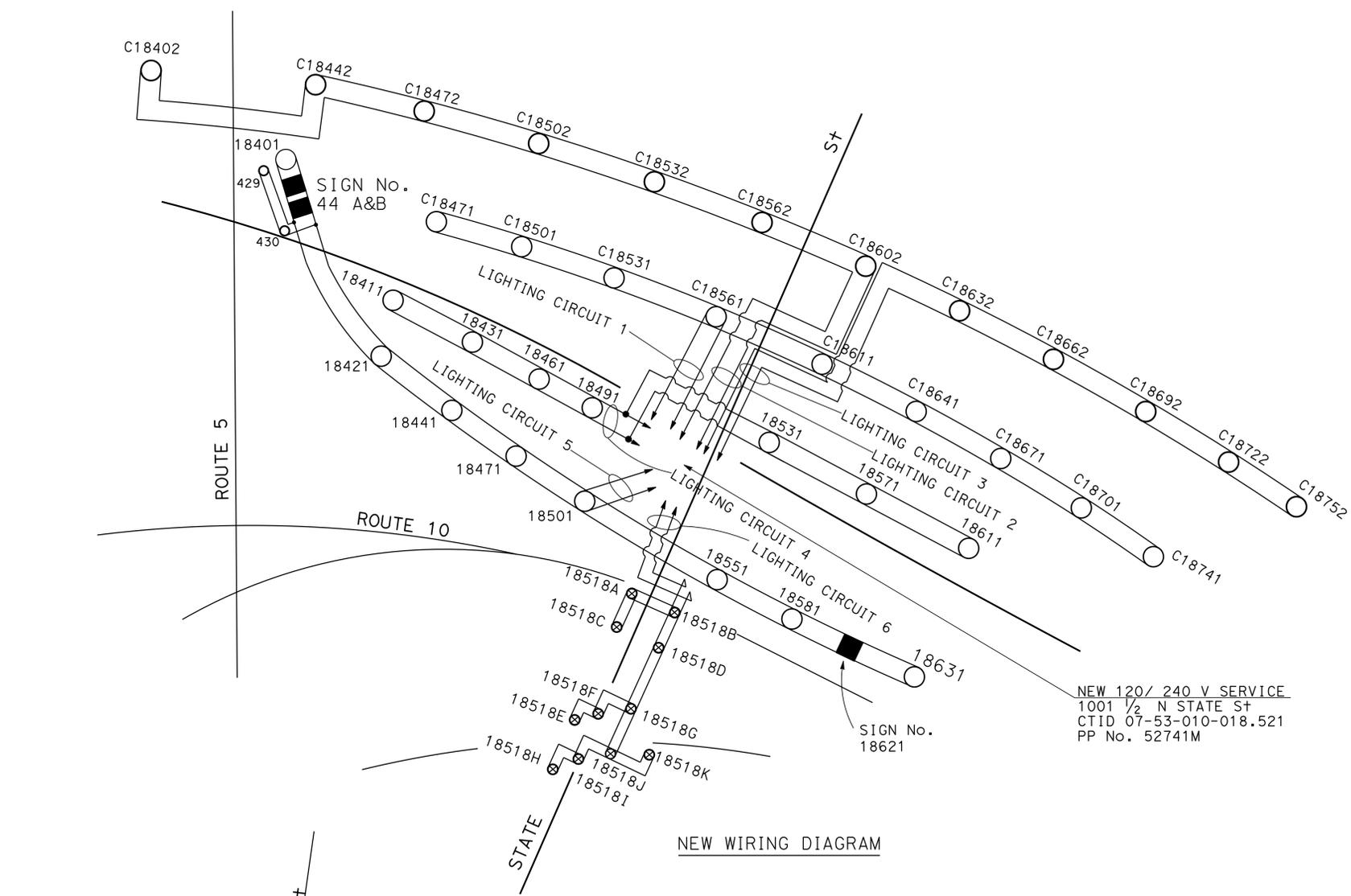
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90, 110	Var	71	131

Kenny Nguyen 5/22/14
 REGISTERED ELECTRICAL ENGINEER DATE

7-21-14
 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.

REGISTERED PROFESSIONAL ENGINEER
 KENNY NGUYEN
 No. E17759
 Exp 06/30/16
 ELECTRICAL
 STATE OF CALIFORNIA



MODIFY LIGHTING AND SIGN ILLUMINATION
 NO SCALE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR
 HASSAN MANNA

DESIGNED BY
 XOXHILT NARANJO

CHECKED BY
 KENNY NGUYEN

REVISOR
 DATE

REVISOR
 DATE

DATE PLOTTED => 25-AUG-2014
 TIME PLOTTED => 14:29

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90, 110	Var	72	131

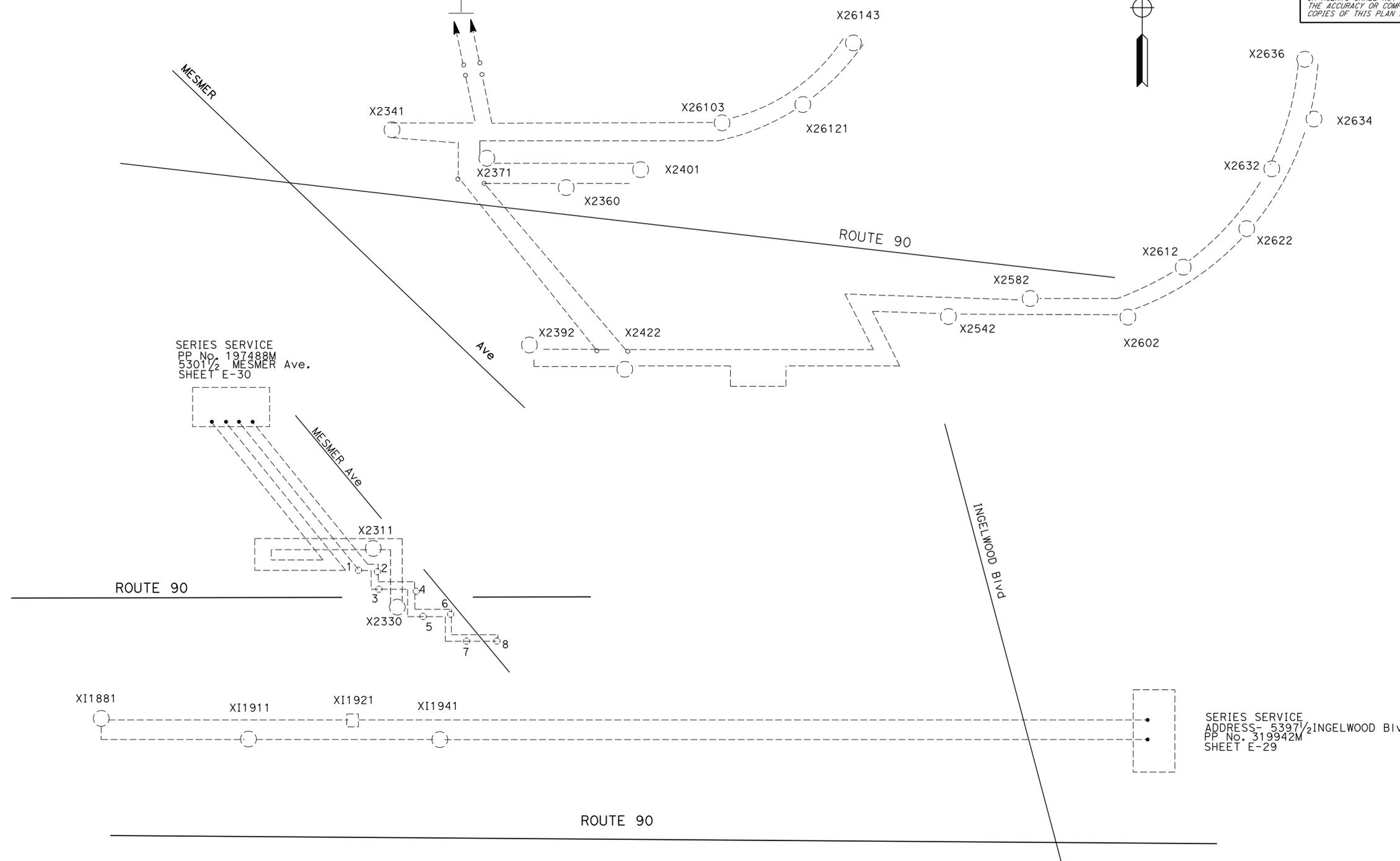
FATEMEH ANSARI	5/22/14
REGISTERED ELECTRICAL ENGINEER	DATE
7-21-14	
PLANS APPROVAL DATE	

REGISTERED PROFESSIONAL ENGINEER
FATEMEH ANSARI
No. E17009
Exp. 09/30/15
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 WIRING DIAGRAM LEGEND SEE SHEET E-1

SERIES LIGHTING SERVICE EDISON
PP#1628419E
ETHEDO Ave. SHEETS E-30, E-31 AND SHEET E-32.



SERIES SERVICE
PP No. 197488M
5301 1/2 MESMER Ave.
SHEET E-30

SERIES SERVICE
ADDRESS- 5397 1/2 INGELWOOD Blvd.
PP No. 319942M
SHEET E-29

WIRING DIAGRAM

MODIFY LIGHTING AND SIGN ILLUMINATION
NO SCALE

APPROVED FOR ELECTRICAL WORK ONLY

E-55

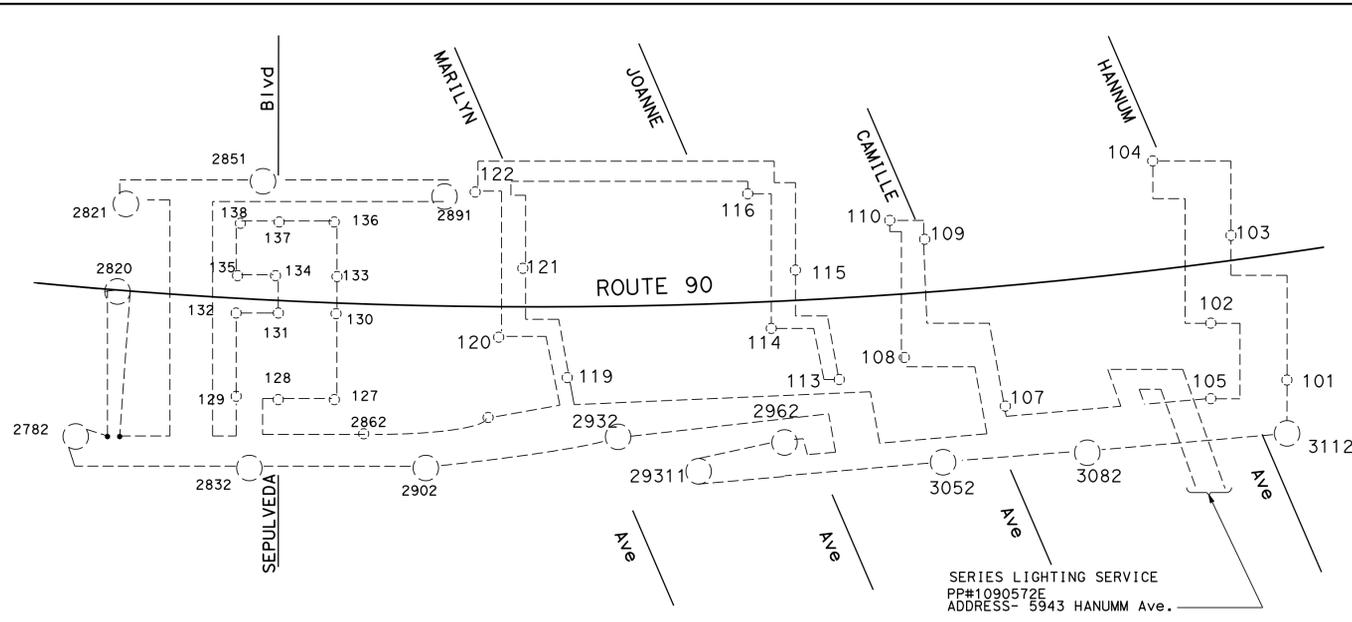
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN
 FATEMEH ANSARI
 HASSAN MANNA
 HASSAN MANNA
 HASSAN MANNA

LAST REVISION 00-00-00
 DATE PLOTTED => 25-AUG-2014
 TIME PLOTTED => 14:29

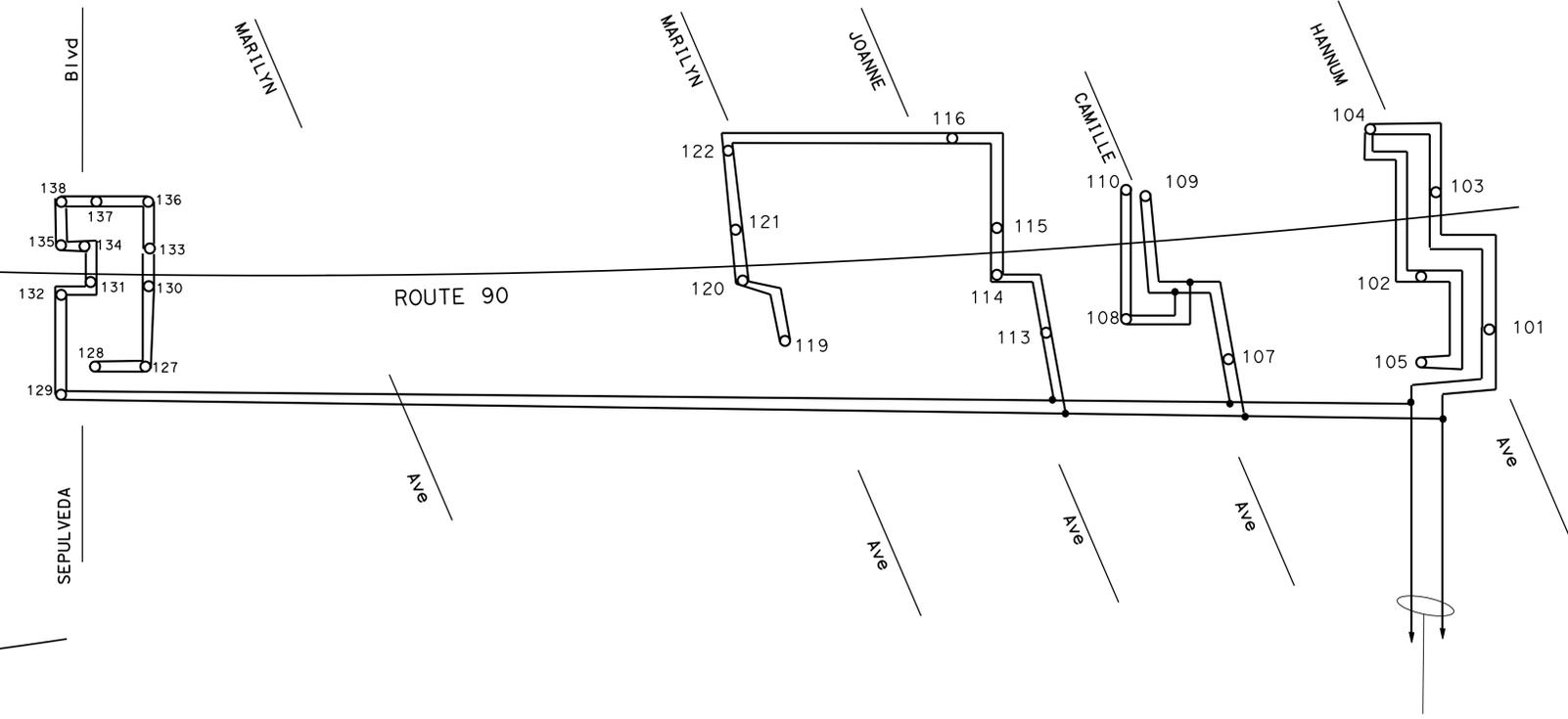
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90, 110	Var	74	131

FATEMEH ANSARI 5/22/14	
REGISTERED ELECTRICAL ENGINEER	DATE
7-21-14	
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>	

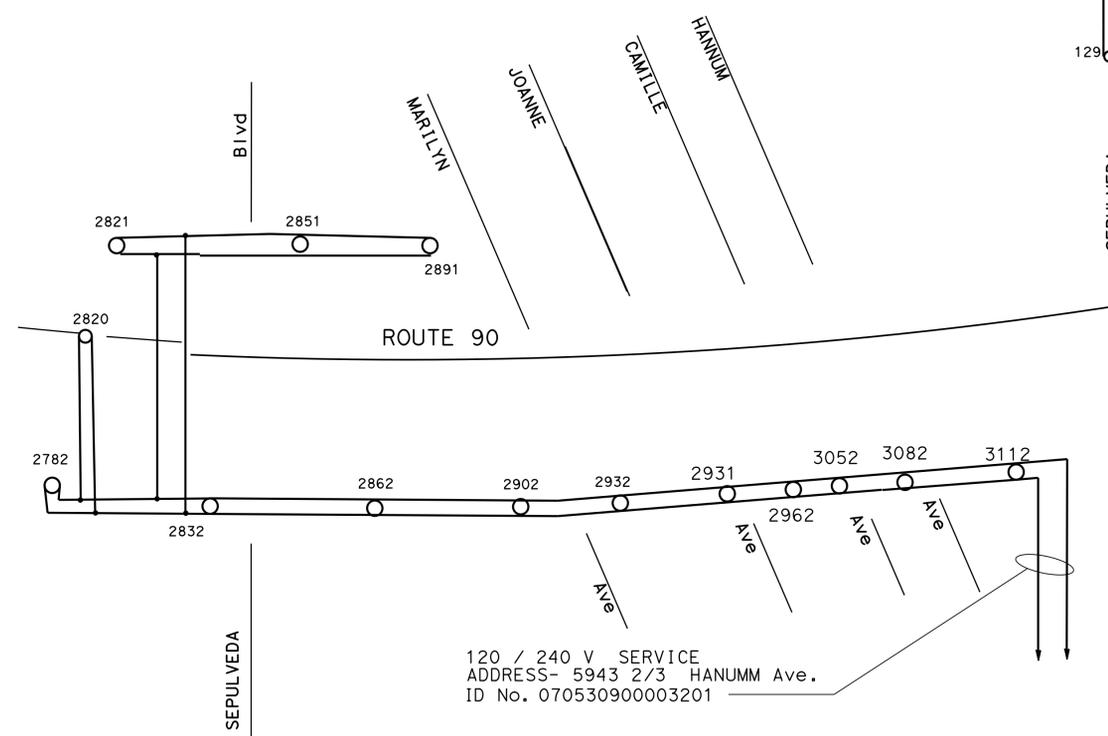
NOTE:
1. FOR WIRING DIAGRAM LEGEND SEE SHEET E-1



SERIES LIGHTING SERVICE
PP#1090572E
ADDRESS- 5943 HANUMM Ave.



120 / 240 V SERVICE
ID No. 070530900003200
ADDRESS- 5943 1/2 HANUMM Ave.



120 / 240 V SERVICE
ADDRESS- 5943 2/3 HANUMM Ave.
ID No. 070530900003201

WIRING DIAGRAM

MODIFY LIGHTING AND SIGN ILLUMINATION

NO SCALE

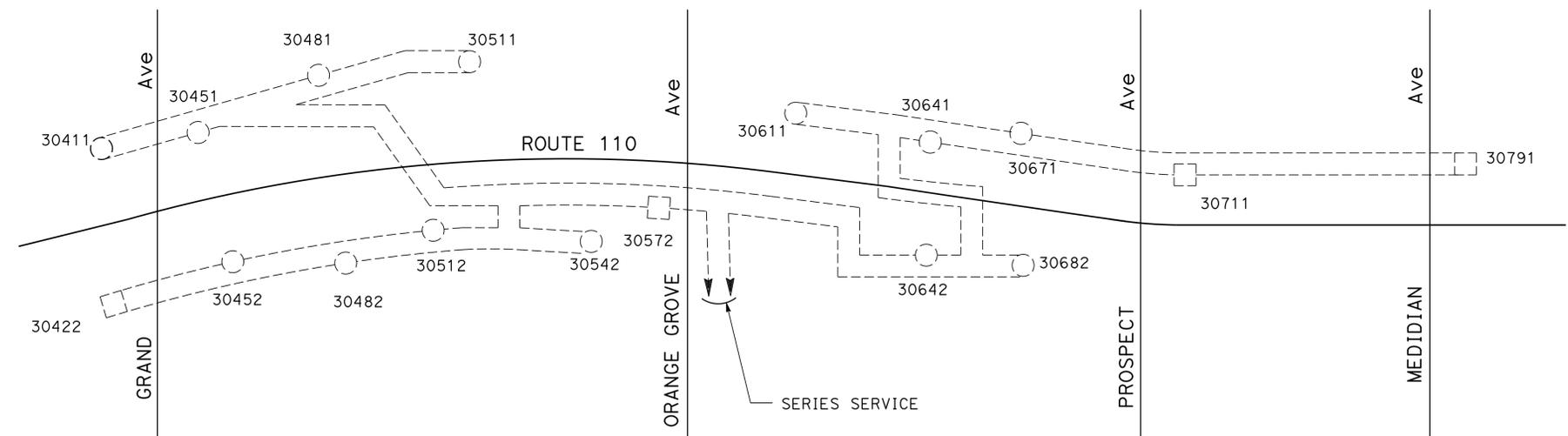
APPROVED FOR ELECTRICAL WORK ONLY

E-57

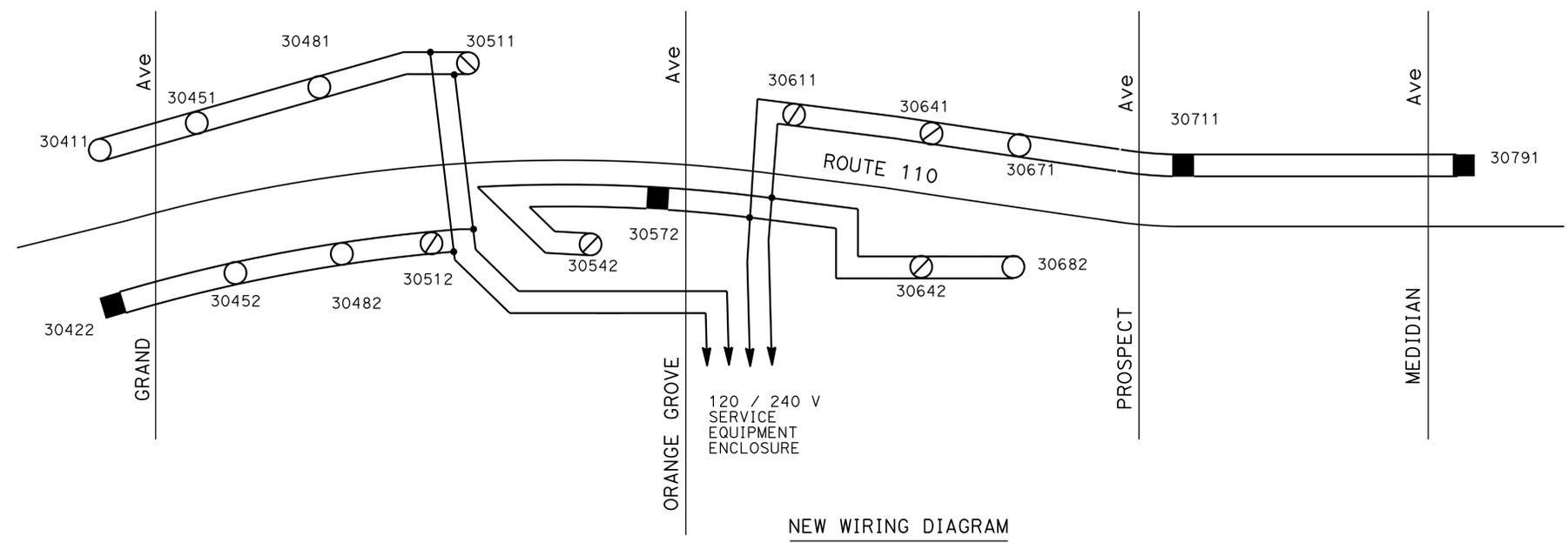
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN
 FUNCTIONAL SUPERVISOR: HASSAN MANNA
 CALCULATED/DESIGNED BY: HASSAN MANNA
 CHECKED BY: HASSAN MANNA
 REVISOR: FATEMEH ANSARI
 DATE REVISED: HASSAN MANNA

LAST REVISION: 00-00-00
 DATE PLOTTED => 25-AUG-2014
 TIME PLOTTED => 14:29

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90, 110	Var	76	131
Stanley L. Johnson		5/22/14		REGISTERED ELECTRICAL ENGINEER DATE	
7-21-14		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>					



EXISTING WIRING DIAGRAM (REMOVE)



NEW WIRING DIAGRAM

MODIFY LIGHTING AND SIGN ILLUMINATION

NO SCALE

FOR WIRING DIAGRAM LEGEND, SEE SHEET E-1.

APPROVED FOR ELECTRICAL WORK ONLY

E-59

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION - **Caltrans** - **TRAFFIC DESIGN**

FUNCTIONAL SUPERVISOR
HASSAN MANNA

CALCULATED-DESIGNED BY
CHECKED BY

STANLEY L. JOHNSON
HASSAN MANNA

REVISED BY
DATE REVISED

x

x

x

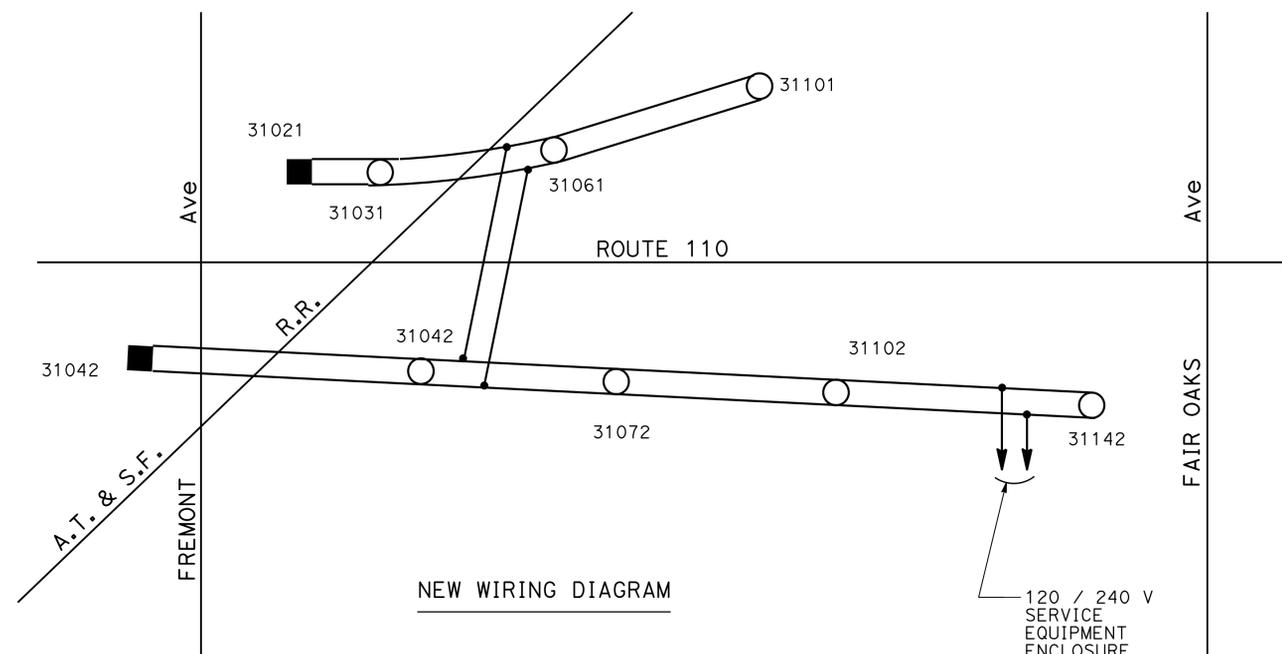
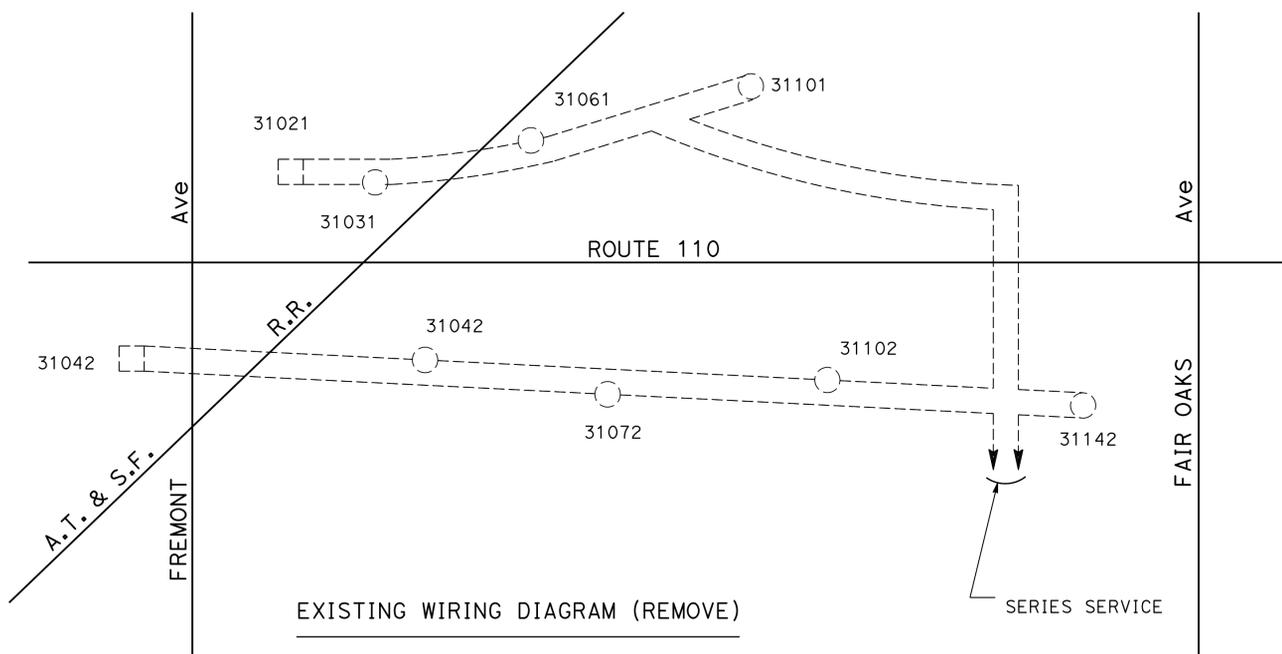
x

x

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90, 110	Var	77	131

<i>Stanley L. Johnson</i>	5/22/14
REGISTERED ELECTRICAL ENGINEER	DATE
7-21-14	
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.	
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FOR WIRING DIAGRAM LEGEND, SEE SHEET E-1.

APPROVED FOR ELECTRICAL WORK ONLY

MODIFY LIGHTING AND SIGN ILLUMINATION

NO SCALE

E-60

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION - **Caltrans** - **TRAFFIC DESIGN**

FUNCTIONAL SUPERVISOR	HASSAN MANNA
DESIGNED BY	STANLEY L. JOHNSON
CHECKED BY	HASSAN MANNA
REVISIONS	DATE

USERNAME => s115484
DGN FILE => 73x910u060.dgn



UNIT 1879

PROJECT NUMBER & PHASE

07130003241

DATE PLOTTED => 25-AUG-2014
TIME PLOTTED => 14:29

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90, 110	VAR	79	131

Kenny Nguyen	5/22/14
REGISTERED ELEC. ENGINEER	DATE
7-21-14	
PLANS APPROVAL DATE	

REGISTERED PROFESSIONAL ENGINEER
KENNY NGUYEN
 No. E17759
 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.

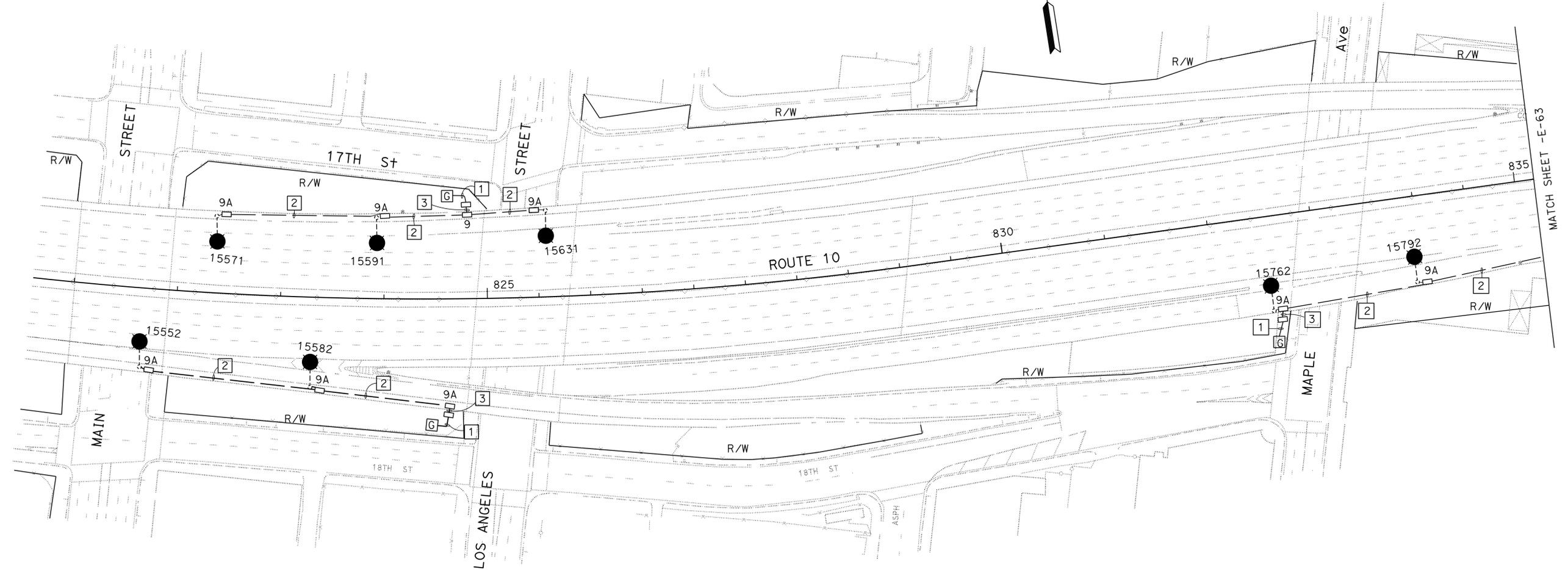
NOTE: (FOR SHEET E-62 TO E-67)

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- THE TEMPORARY LIGHTING SYSTEM MUST BE REMOVED WHEN IT IS DETERMINED BY THE ENGINEER.

- INSTALL 1"C, 2#8, 1#8 (G).
- INSTALL 2"C, 2#8, 1#8 (G) ON THE BACK OF BRIDGE RAIL, SEE SHEETS SES-9 THROUGH SES-11 FOR DETAILS.
- ATTACHED TYPE 4, 2"C, 2#8,1#8 (G) IN BRIDGE COLUMN, SEE SHEETS SES-9 THROUGH SES-11 FOR DETAILS.

LEGEND: (FOR SHEET E-62 AND E-67)

- G** PORTABLE GENERATOR. THE CAPACITY OF PORTABLE GENERATOR SHALL BE SIZED TO PROVIDE POWER TO TEMPORARY LIGHTING.
- RC** Exist Lum, **RC** xfmr, AND INSTALL A NEW 235 W LED Lum



WARNING

BEFORE STARTING WORK ON EXISTING SERIES LIGHTING CIRCUITS THE CONTRACTOR SHALL OBTAIN DAILY SAFETY CIRCUIT CLEARANCE FROM SERVING COMPANIES, DISCONNECT CIRCUITS, AND PLACE "MEN AT WORK" SIGNS NEAR OPEN SWITCHES.

**LIGHTING
(TEMPORARY)**

SCALE 1"=50'

E-62

APPROVED FOR ELECTRICAL WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
St. Gobans TRAFFIC DESIGN
 FUNCTIONAL SUPERVISOR: HASSAN MANNA
 CALCULATED/DESIGNED BY: HASSAN MANNA
 CHECKED BY:
 KENNY NGUYEN
 HASSAN MANNA
 REVISED BY: KENNY NGUYEN
 DATE REVISED:

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90, 110	VAR	80	131

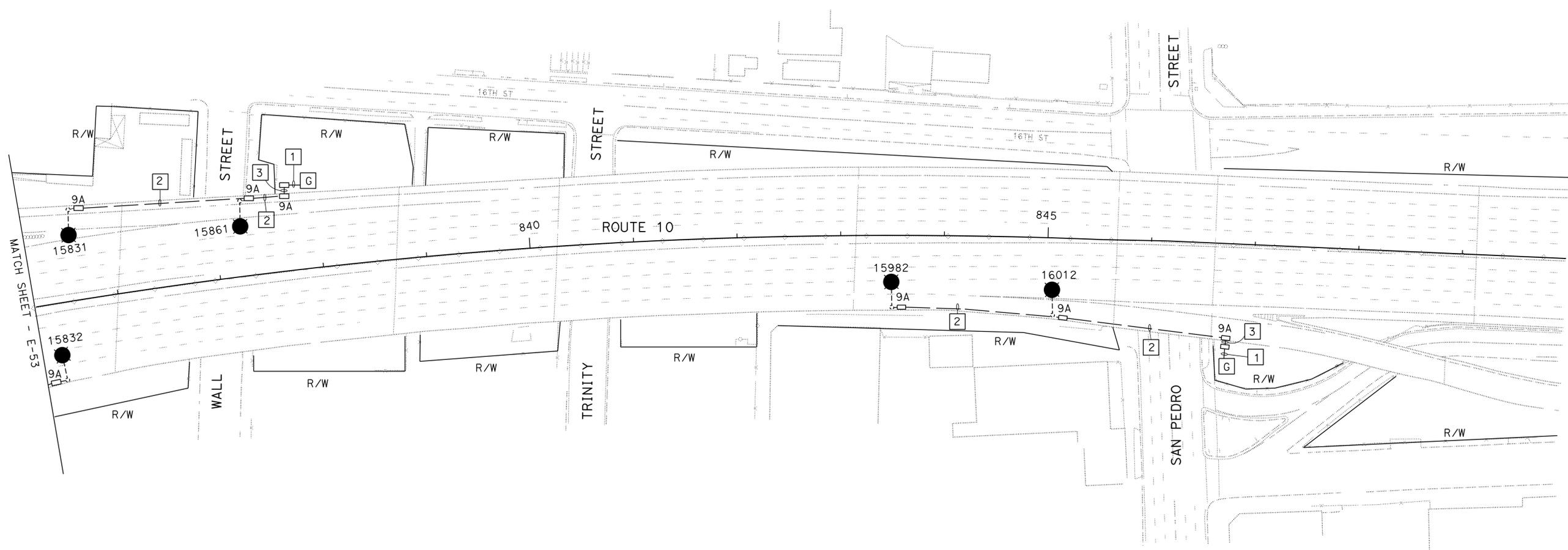
<i>Kenny Nguyen</i>	5/22/14
REGISTERED ELEC. ENGINEER	DATE
7-21-14	
PLANS APPROVAL DATE	

REGISTERED PROFESSIONAL ENGINEER
KENNY NGUYEN
No. E17759
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.



NOTE: (THIS SHEET)
 1. FOR NOTES AND LEGEND, SEE SHEET E-62



WARNING
 BEFORE STARTING WORK ON EXISTING SERIES LIGHTING CIRCUITS THE CONTRACTOR SHALL OBTAIN DAILY SAFETY CIRCUIT CLEARANCE FROM SERVING COMPANIES, DISCONNECT CIRCUITS, AND PLACE "MEN AT WORK" SIGNS NEAR OPEN SWITCHES.

APPROVED FOR ELECTRICAL WORK ONLY

**LIGHTING
 (TEMPORARY)**
 SCALE 1"=50'
E-63

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN
 FUNCTIONAL SUPERVISOR: HASSAN MANNA
 CHECKED BY: HASSAN MANNA
 DESIGNED BY: KENNY NGUYEN
 REVISIONS: 7/2/2010

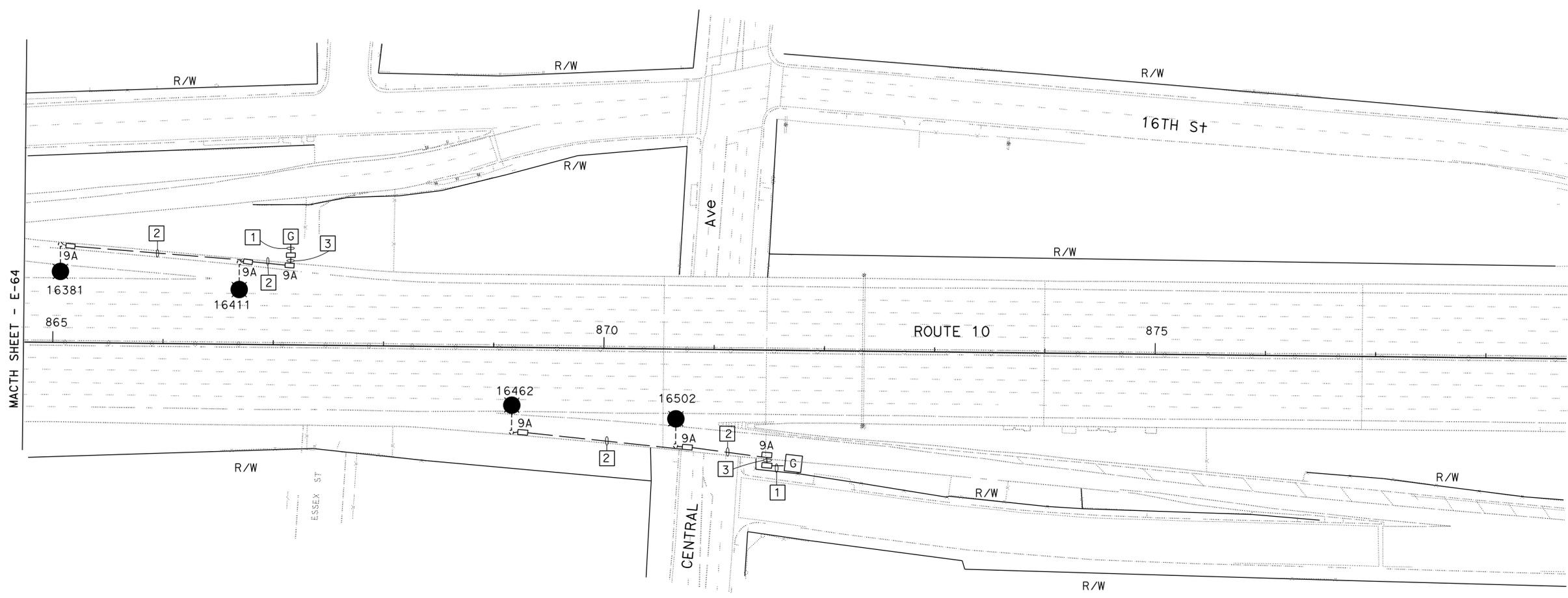
LAST REVISION: 00-00-00
 DATE PLOTTED => 25-AUG-2014
 TIME PLOTTED => 14:29

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90, 110	VAR	82	131

<i>Kenny Nguyen</i>	5/22/14
REGISTERED ELEC. ENGINEER	DATE
7-21-14	
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.

NOTE: (THIS SHEET)
 1. FOR NOTES AND LEGEND, SEE SHEET E-62



WARNING

BEFORE STARTING WORK ON EXISTING SERIES LIGHTING CIRCUITS THE CONTRACTOR SHALL OBTAIN DAILY SAFETY CIRCUIT CLEARANCE FROM SERVING COMPANIES, DISCONNECT CIRCUITS, AND PLACE "MEN AT WORK" SIGNS NEAR OPEN SWITCHES.

**LIGHTING
(TEMPORARY)**
 SCALE 1"=50'

APPROVED FOR ELECTRICAL WORK ONLY

E-65

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Stantec TRAFFIC DESIGN
 FUNCTIONAL SUPERVISOR
 HASSAN MANNA
 CALCULATED-DESIGNED BY
 CHECKED BY
 KENNY NGUYEN
 HASSAN MANNA
 REVISED BY
 DATE REVISED

LAST REVISION: 00-00-00
 DATE PLOTTED => 25-AUG-2014
 TIME PLOTTED => 14:29

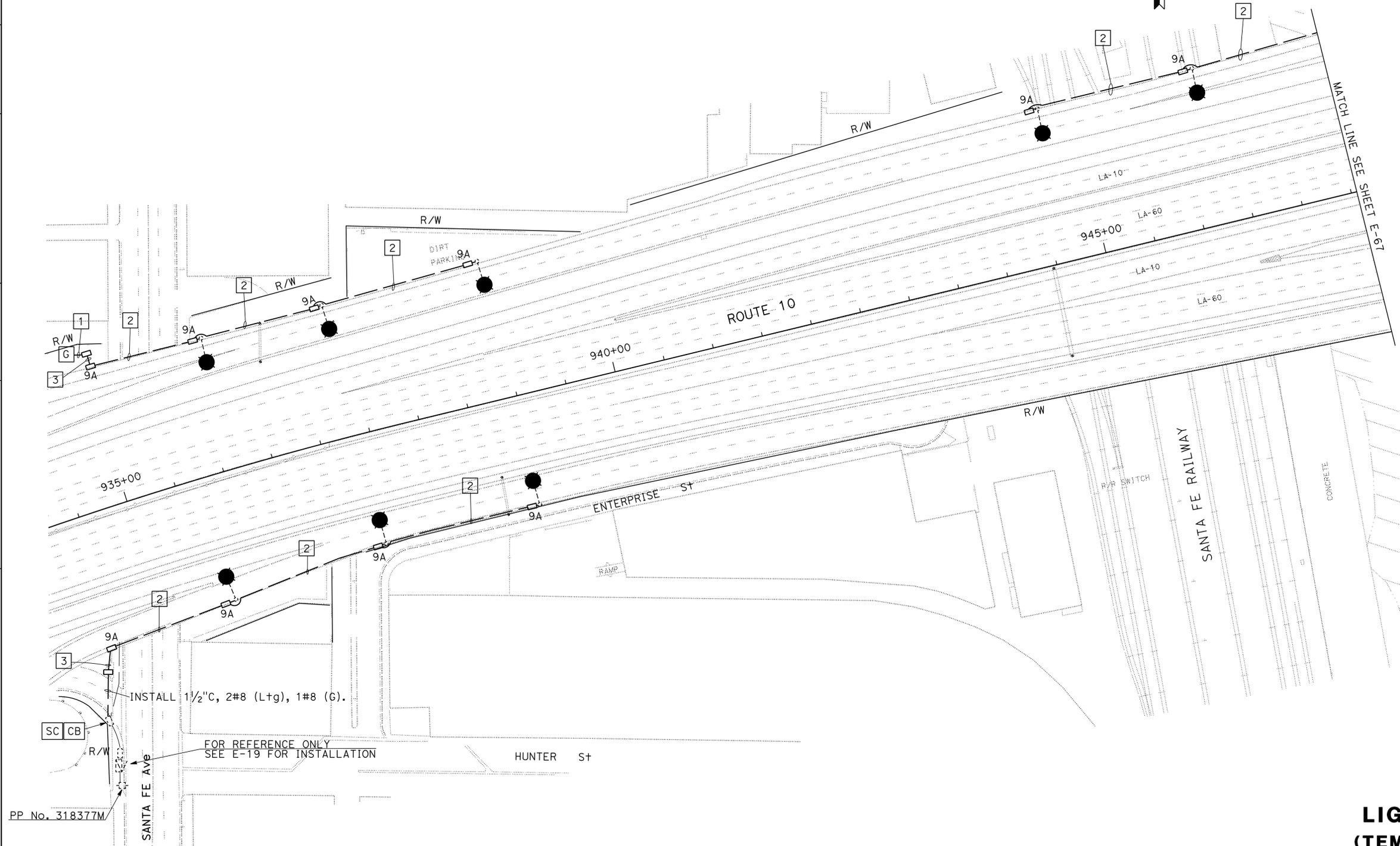
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90, 110	Var	83	131

<i>Kenny Nguyen</i>	5/22/14
REGISTERED ELECTRICAL ENGINEER	DATE
7-21-14	
PLANS APPROVAL DATE	

Kenny Nguyen	
No. 17759	REGISTERED PROFESSIONAL ENGINEER
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.

NOTES: (THIS SHEET)
 1. FOR NOTES AND LEGEND, SEE SHEET E-62.



**LIGHTING
(TEMPORARY)**
 SCALE 1"=50'

APPROVED FOR ELECTRICAL WORK ONLY

E-66

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN
 FUNCTIONAL SUPERVISOR: HASSAN MANNA
 CALCULATED/DESIGNED BY: XCHILT NARANJO
 CHECKED BY: KENNY NGUYEN
 REVISED BY: XCHILT NARANJO
 DATE REVISED: KENNY NGUYEN

BORDER LAST REVISED 7/2/2010

USERNAME => s115484
 DGN FILE => 73x910ua066.dgn

RELATIVE BORDER SCALE IS IN INCHES

UNIT 0000

PROJECT NUMBER & PHASE

0713000324

DATE PLOTTED => 25-AUG-2014
 TIME PLOTTED => 14:29
 LAST REVISION 00-00-00

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90, 110	Var	84	131

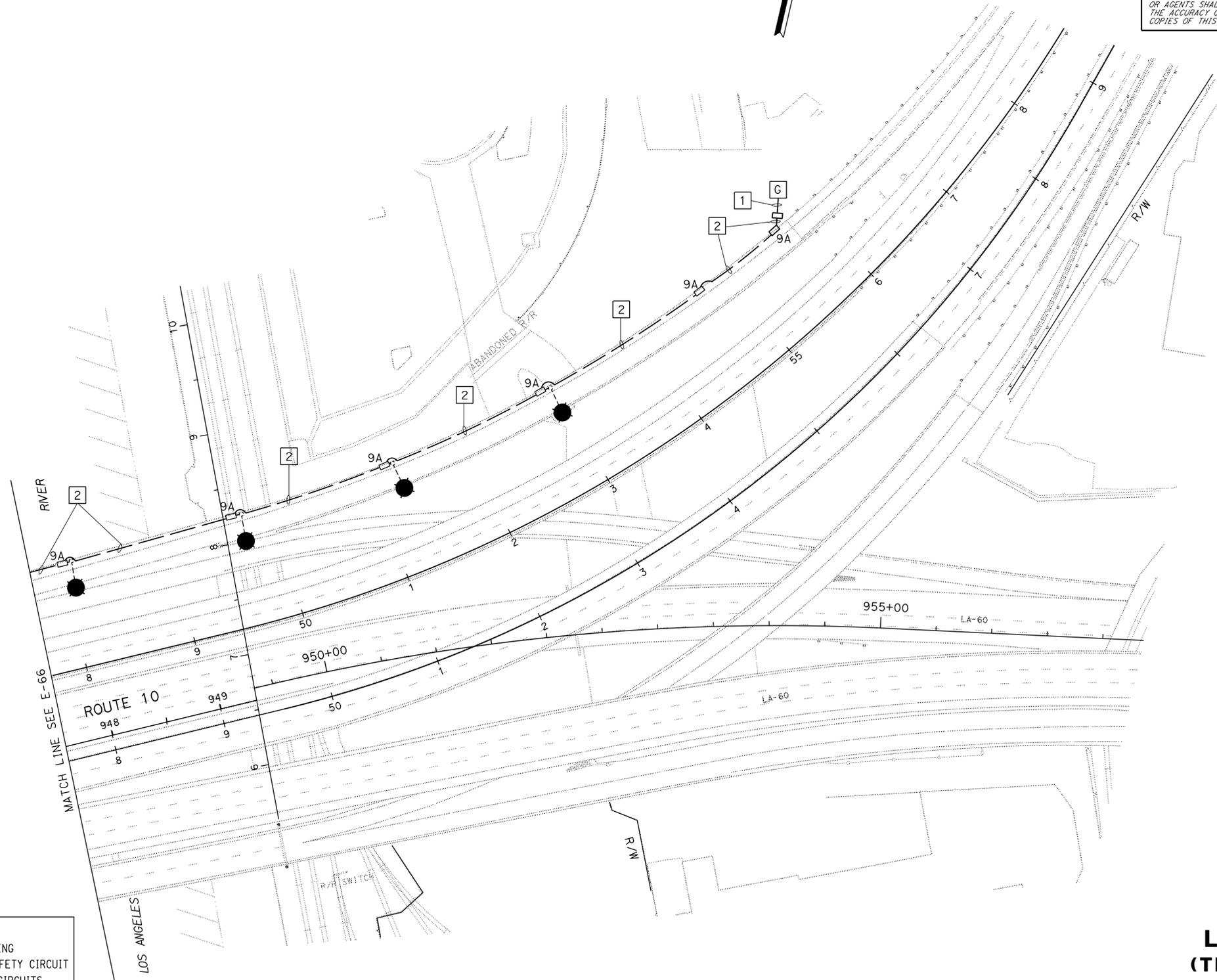
Kenny Nguyen	5/22/14
REGISTERED ELECTRICAL ENGINEER	DATE
7-21-14	
PLANS APPROVAL DATE	

REGISTERED PROFESSIONAL ENGINEER
 KENNY NGUYEN
 No. 17759
 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.

NOTE: (THIS SHEET)

1. FOR NOTES AND LEGEND, SEE SHHET E-62.



**LIGHTING
(TEMPORARY)**
SCALE 1"=50'

E-67

APPROVED FOR ELECTRICAL WORK ONLY

WARNING
BEFORE STARTING WORK ON EXISTING SERIES LIGHTING CIRCUITS THE CONTRACTOR SHALL OBTAIN DAILY SAFETY CIRCUIT CLEARANCE FROM SERVING COMPANIES, DISCONNECT CIRCUITS, AND PLACE "MEN AT WORK" SIGNS NEAR OPEN SWITCHES.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN
 FUNCTIONAL SUPERVISOR: HASSAN MANNA
 CALCULATED/DESIGNED BY: [blank]
 CHECKED BY: [blank]
 XOCCHILT NARANJO
 KENNY NGUYEN
 REVISED BY: [blank]
 DATE REVISED: [blank]

LAST REVISION: 00-00-00
 DATE PLOTTED => 25-AUG-2014
 TIME PLOTTED => 14:29

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90, 110	Var	85	131

Kenny Nguyen	5/22/14
REGISTERED ELECTRICAL ENGINEER	DATE
7-21-14	
PLANS APPROVAL DATE	

REGISTERED PROFESSIONAL ENGINEER
 KENNY NGUYEN
 No. 17759
 Exp. 6/30/16
 ELECTRICAL
 STATE OF CALIFORNIA

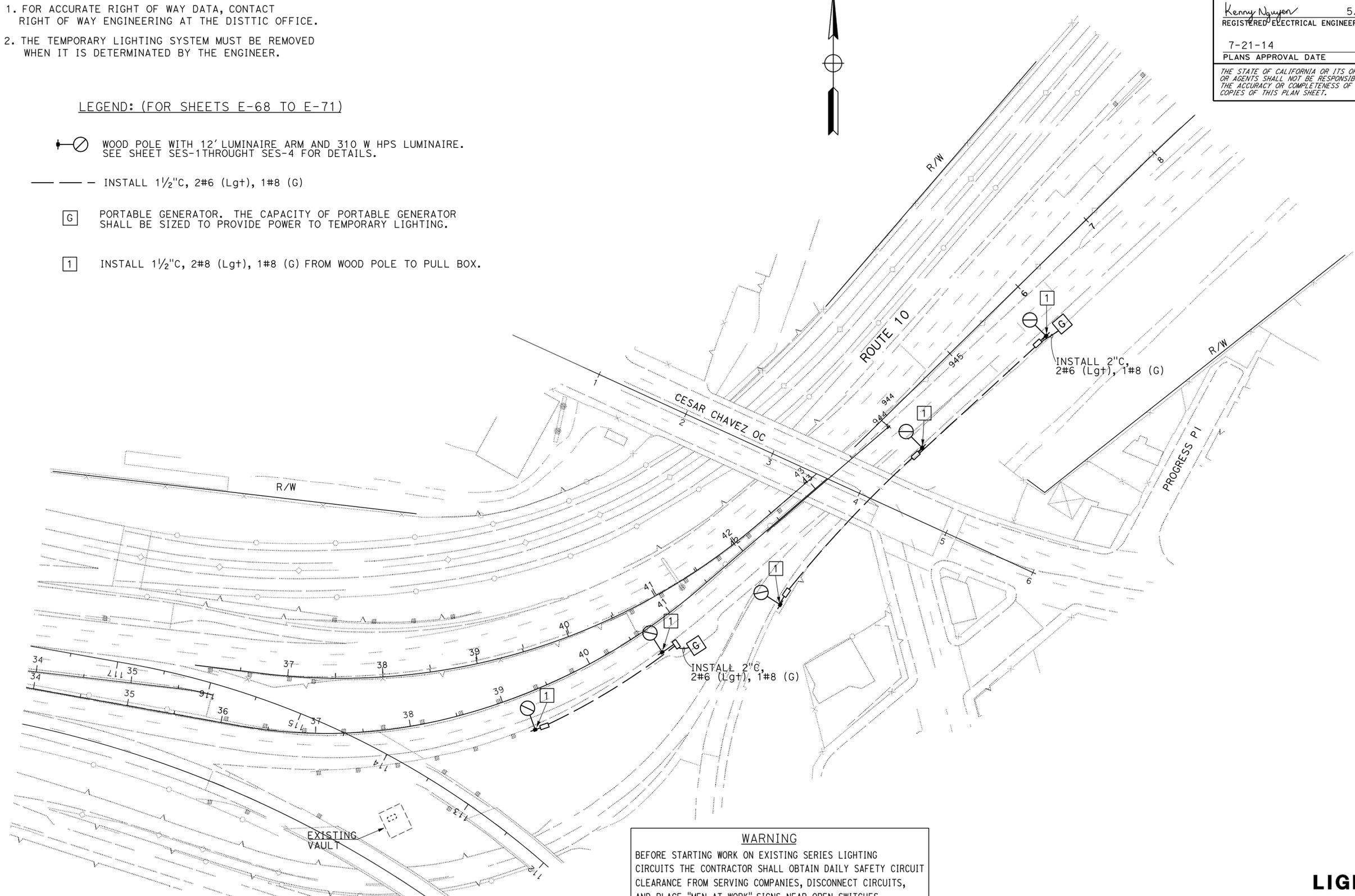
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES (FOR SHEETS E-68 TO E-71)

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- THE TEMPORARY LIGHTING SYSTEM MUST BE REMOVED WHEN IT IS DETERMINATED BY THE ENGINEER.

LEGEND: (FOR SHEETS E-68 TO E-71)

- WOOD POLE WITH 12' LUMINAIRE ARM AND 310 W HPS LUMINAIRE. SEE SHEET SES-1 THROUGH SES-4 FOR DETAILS.
- INSTALL 1 1/2" C, 2#6 (Lgt), 1#8 (G)
- G PORTABLE GENERATOR. THE CAPACITY OF PORTABLE GENERATOR SHALL BE SIZED TO PROVIDE POWER TO TEMPORARY LIGHTING.
- 1 INSTALL 1 1/2" C, 2#8 (Lgt), 1#8 (G) FROM WOOD POLE TO PULL BOX.



WARNING
 BEFORE STARTING WORK ON EXISTING SERIES LIGHTING CIRCUITS THE CONTRACTOR SHALL OBTAIN DAILY SAFETY CIRCUIT CLEARANCE FROM SERVING COMPANIES, DISCONNECT CIRCUITS, AND PLACE "MEN AT WORK" SIGNS NEAR OPEN SWITCHES.

**LIGHTING
 (TEMPORARY)**
 SCALE 1"=50'

APPROVED FOR ELECTRICAL WORK ONLY

E-68

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 TRAFFIC DESIGN
 FUNCTIONAL SUPERVISOR: HASSAN MANNA
 CALCULATED/DESIGNED BY: [blank]
 CHECKED BY: [blank]
 XOCHELT NARANJO
 KENNY NGUYEN
 REVISED BY: [blank]
 DATE REVISED: [blank]

NOTE: (THIS SHEET)

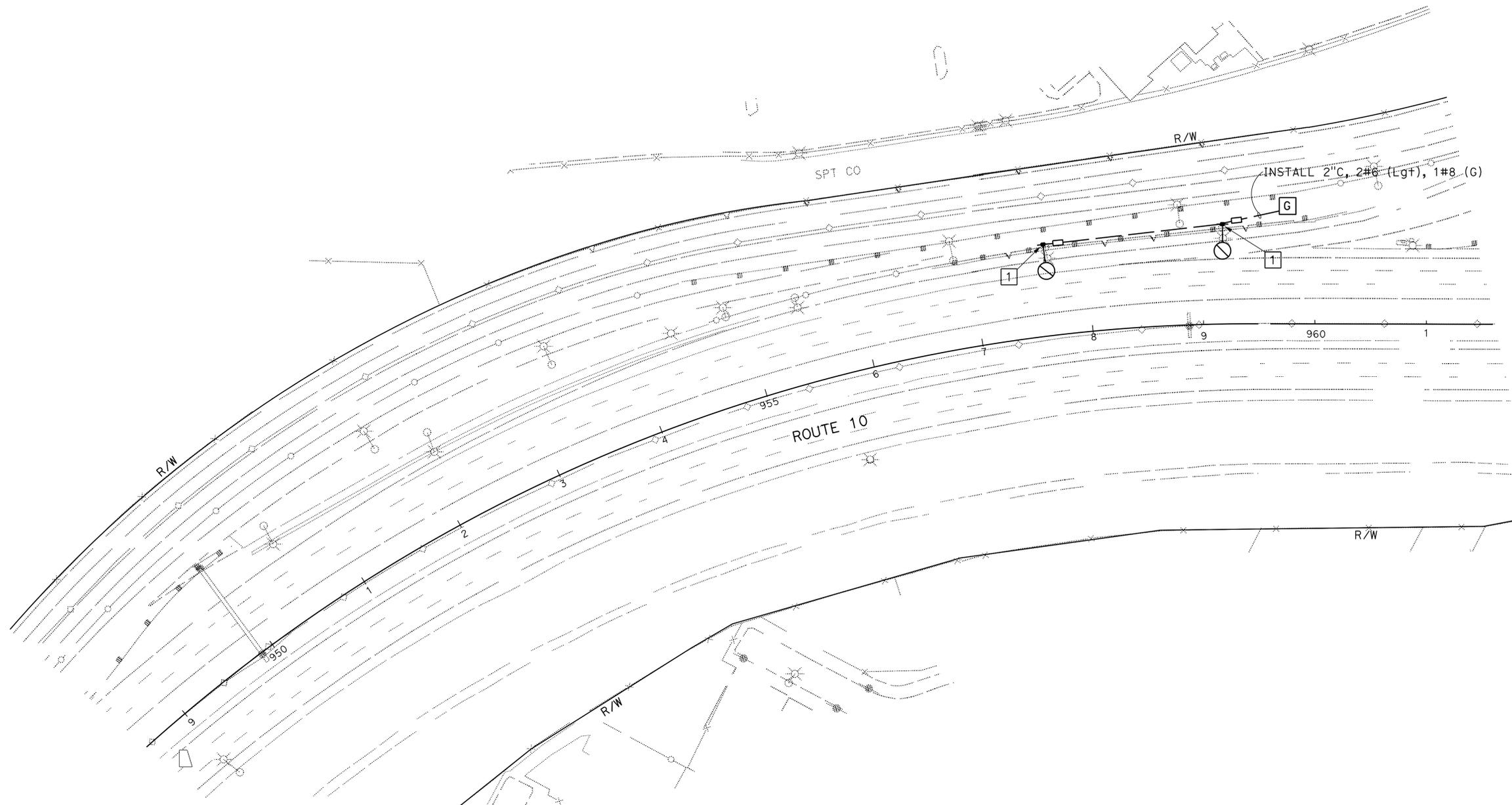
1. FOR NOTES AND LEGENDS, SEE SHEET E-68.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90, 110	Var	86	131

<i>Kenny Nguyen</i>	5/22/14
REGISTERED ELECTRICAL ENGINEER	DATE
7-21-14	
PLANS APPROVAL DATE	

REGISTERED PROFESSIONAL ENGINEER	
KENNY NGUYEN	
No. 17759	
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.



WARNING
 BEFORE STARTING WORK ON EXISTING SERIES LIGHTING CIRCUITS THE CONTRACTOR SHALL OBTAIN DAILY SAFETY CIRCUIT CLEARANCE FROM SERVING COMPANIES, DISCONNECT CIRCUITS, AND PLACE "MEN AT WORK" SIGNS NEAR OPEN SWITCHES.

LIGHTING (TEMPORARY)
 SCALE 1" = 50'

APPROVED FOR ELECTRICAL WORK ONLY

E-69

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN
 FUNCTIONAL SUPERVISOR: HASSAN MANNA
 CALCULATED/DESIGNED BY: [blank] CHECKED BY: [blank]
 XOCCHILT NARANJO
 KENNY NGUYEN
 REVISED BY: [blank] DATE REVISED: [blank]

DATE PLOTTED => 25-AUG-2014
 TIME PLOTTED => 14:29
 LAST REVISION 00-00-00

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90, 110	Var	87	131

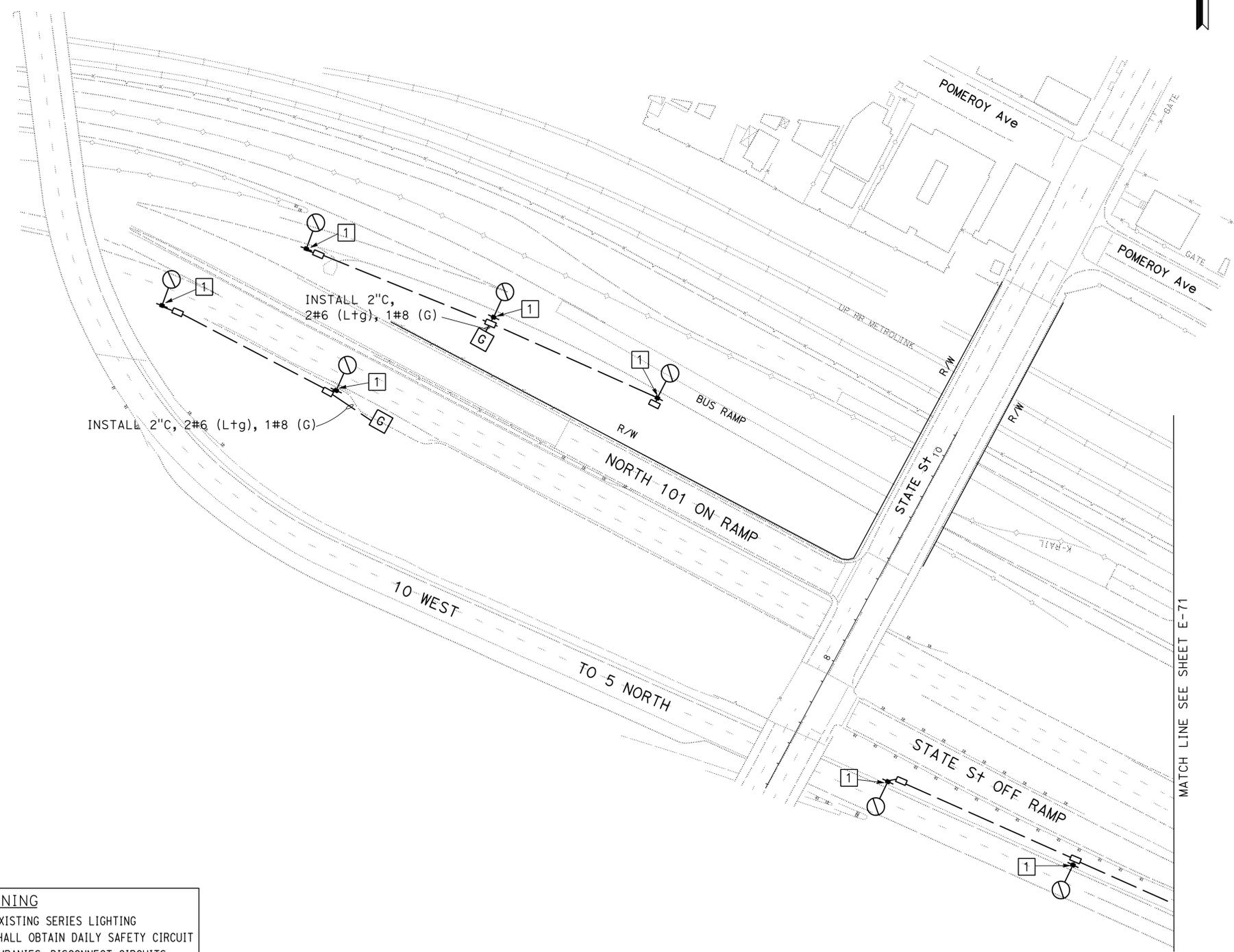
<i>Kenny Nguyen</i>	5/22/14
REGISTERED ELECTRICAL ENGINEER	DATE
7-21-14	
PLANS APPROVAL DATE	

REGISTERED PROFESSIONAL ENGINEER	
KENNY NGUYEN	
No. 17759	
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.



NOTE: (THIS SHEET)
 1. FOR NOTES AND LEGENDS, SEE SHEET E-68.



WARNING
 BEFORE STARTING WORK ON EXISTING SERIES LIGHTING CIRCUITS THE CONTRACTOR SHALL OBTAIN DAILY SAFETY CIRCUIT CLEARANCE FROM SERVING COMPANIES, DISCONNECT CIRCUITS, AND PLACE "MEN AT WORK" SIGNS NEAR OPEN SWITCHES.

APPROVED FOR ELECTRICAL WORK ONLY

**LIGHTING
 (TEMPORARY)**
 SCALE 1" = 50'

E-70

STATE OF CALIFORNIA	DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR
Caltrans	TRAFFIC DESIGN	HASSAN MANNA	CHECKED BY	DATE REVISED
			XOCHILT NARANJO	
			KENNY NGUYEN	

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90, 110	Var	88	131

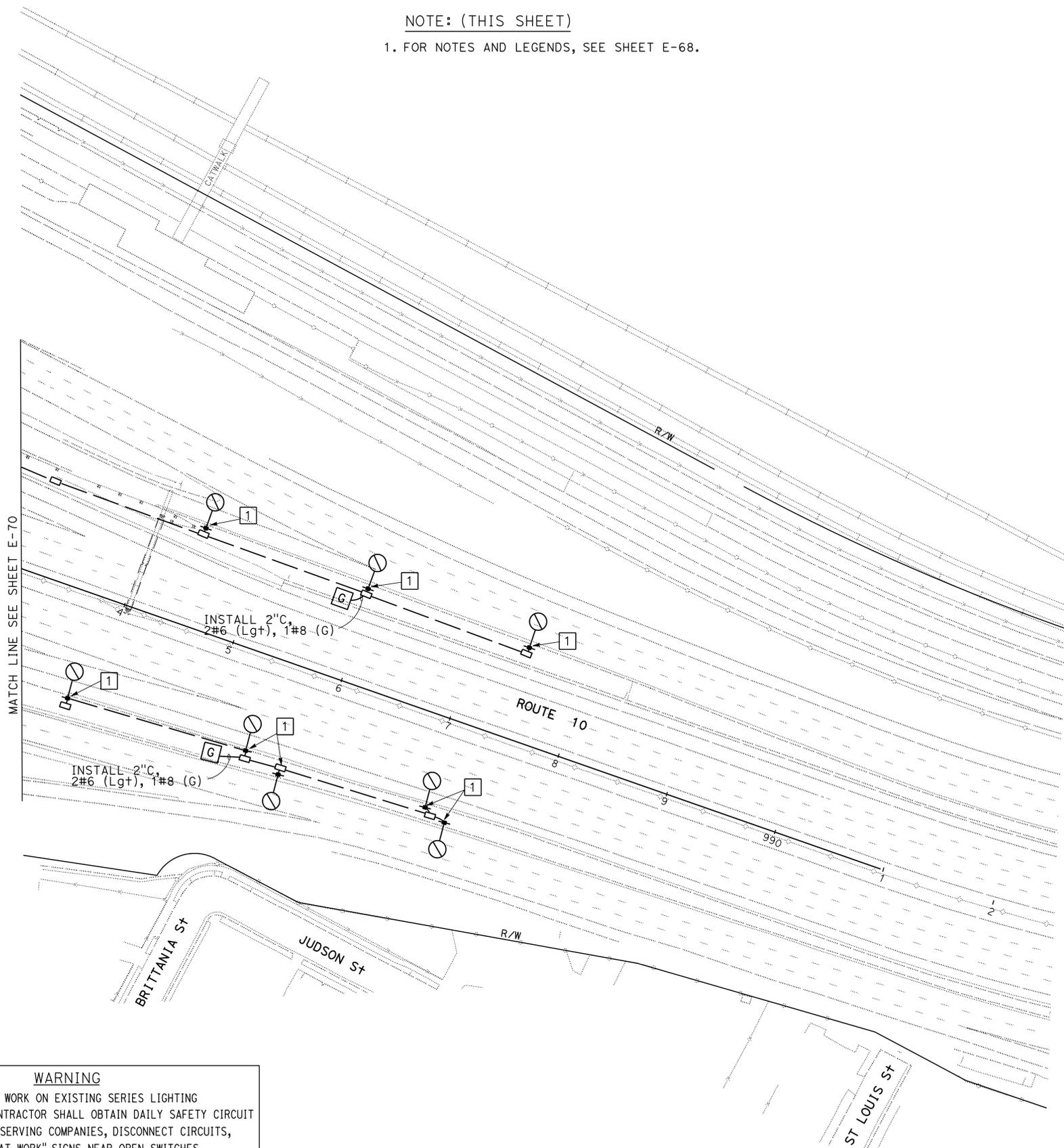
<i>Kenny Nguyen</i>	5/22/14
REGISTERED ELECTRICAL ENGINEER	DATE
7-21-14	
PLANS APPROVAL DATE	

REGISTERED PROFESSIONAL ENGINEER KENNY NGUYEN No. 17759 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.



NOTE: (THIS SHEET)
1. FOR NOTES AND LEGENDS, SEE SHEET E-68.



WARNING
BEFORE STARTING WORK ON EXISTING SERIES LIGHTING CIRCUITS THE CONTRACTOR SHALL OBTAIN DAILY SAFETY CIRCUIT CLEARANCE FROM SERVING COMPANIES, DISCONNECT CIRCUITS, AND PLACE "MEN AT WORK" SIGNS NEAR OPEN SWITCHES.

APPROVED FOR ELECTRICAL WORK ONLY

**LIGHTING
(TEMPORARY)**
SCALE 1" = 50'

E-71

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN
FUNCTIONAL SUPERVISOR: HASSAN MANNA
DESIGNED BY: XCHILIT NARANJO
CHECKED BY: KENNY NGUYEN
REVISOR: XCHILIT NARANJO
DATE REVISOR: KENNY NGUYEN

BORDER LAST REVISED 7/2/2010

USERNAME => s115484
DGN FILE => 73x910ua071.dgn

RELATIVE BORDER SCALE IS IN INCHES

UNIT 1879

PROJECT NUMBER & PHASE

07130003241

DATE PLOTTED => 25-AUG-2014
TIME PLOTTED => 14:29
LAST REVISION: 00-00-00

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90, 110	Var	90	131

FATEMEH ANSARI	5/22/14
REGISTERED ELECTRICAL ENGINEER	DATE
7-21-14	
PLANS APPROVAL DATE	

REGISTERED PROFESSIONAL ENGINEER
FATEMEH ANSARI
 No. E17009
 Exp. 9/30/15
 ELECTRICAL
 STATE OF CALIFORNIA

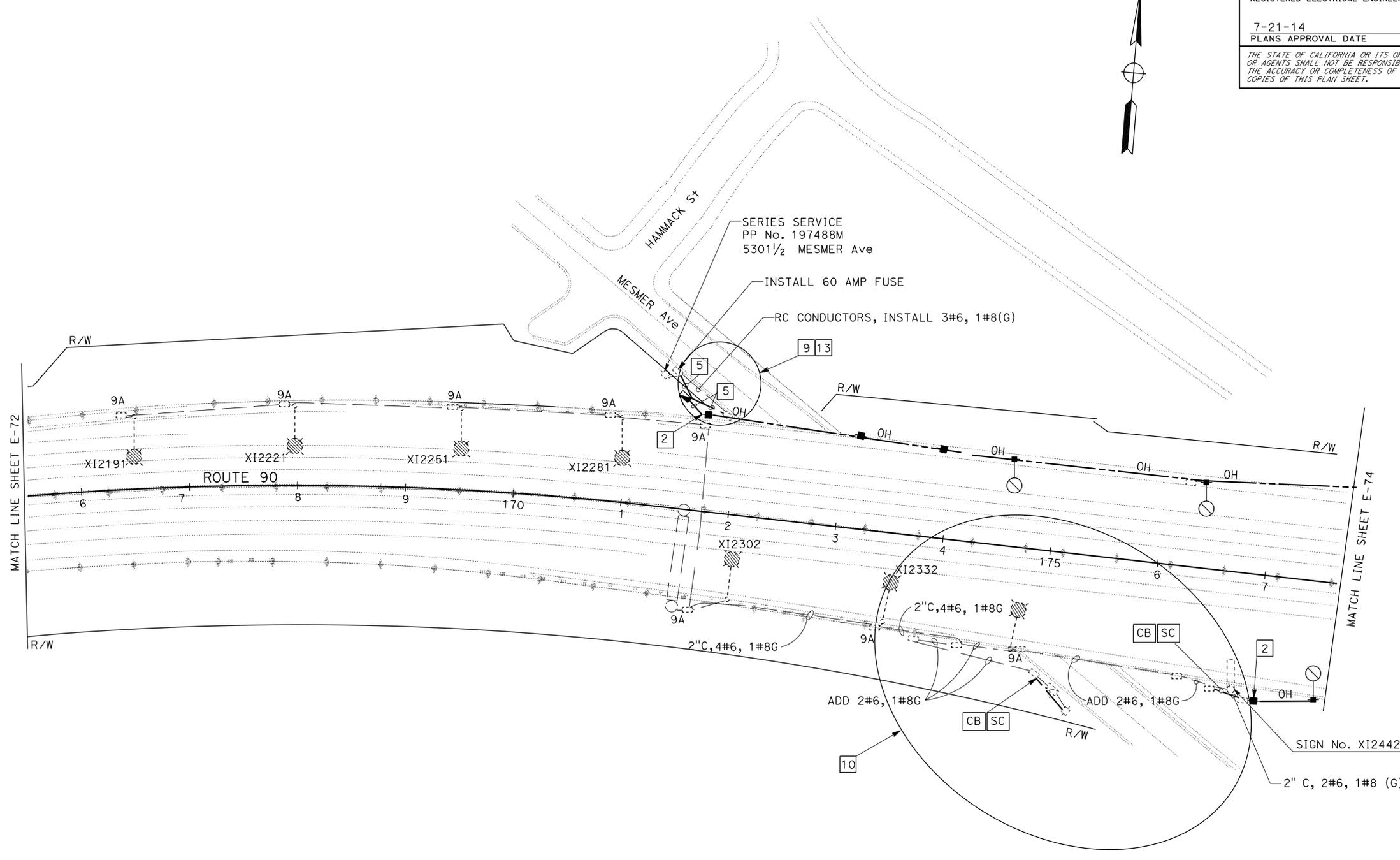
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES: (THIS SHEET)

1. FOR GENERAL NOTES AND LEGEND SEE SHEET E-72.

ABRIVIATION:

B.S.L- BUREAU STREET LIGHTING



WARNING

BEFORE STARTING WORK ON EXISTING SERIES LIGHTING CIRCUITS THE CONTRACTOR SHALL OBTAIN DAILY SAFETY CIRCUIT CLEARANCE FROM SERVING COMPANIES, DISCONNECT CIRCUITS, AND PLACE "MEN AT WORK" SIGNS NEAR OPEN SWITCHES.

LIGHTING (TEMPORARY)
SCALE: 1" = 50'

E-73

APPROVED FOR ELECTRICAL WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans ELECTRICAL DESIGN
 HASSAN MANNA
 HASSAN MANNA
 FATEMEH ANSARI
 HASSAN MANNA
 FATEMEH ANSARI
 HASSAN MANNA
 HASSAN MANNA
 HASSAN MANNA

LAST REVISION DATE PLOTTED => 25-AUG-2014
 01-19-11 TIME PLOTTED => 14:29

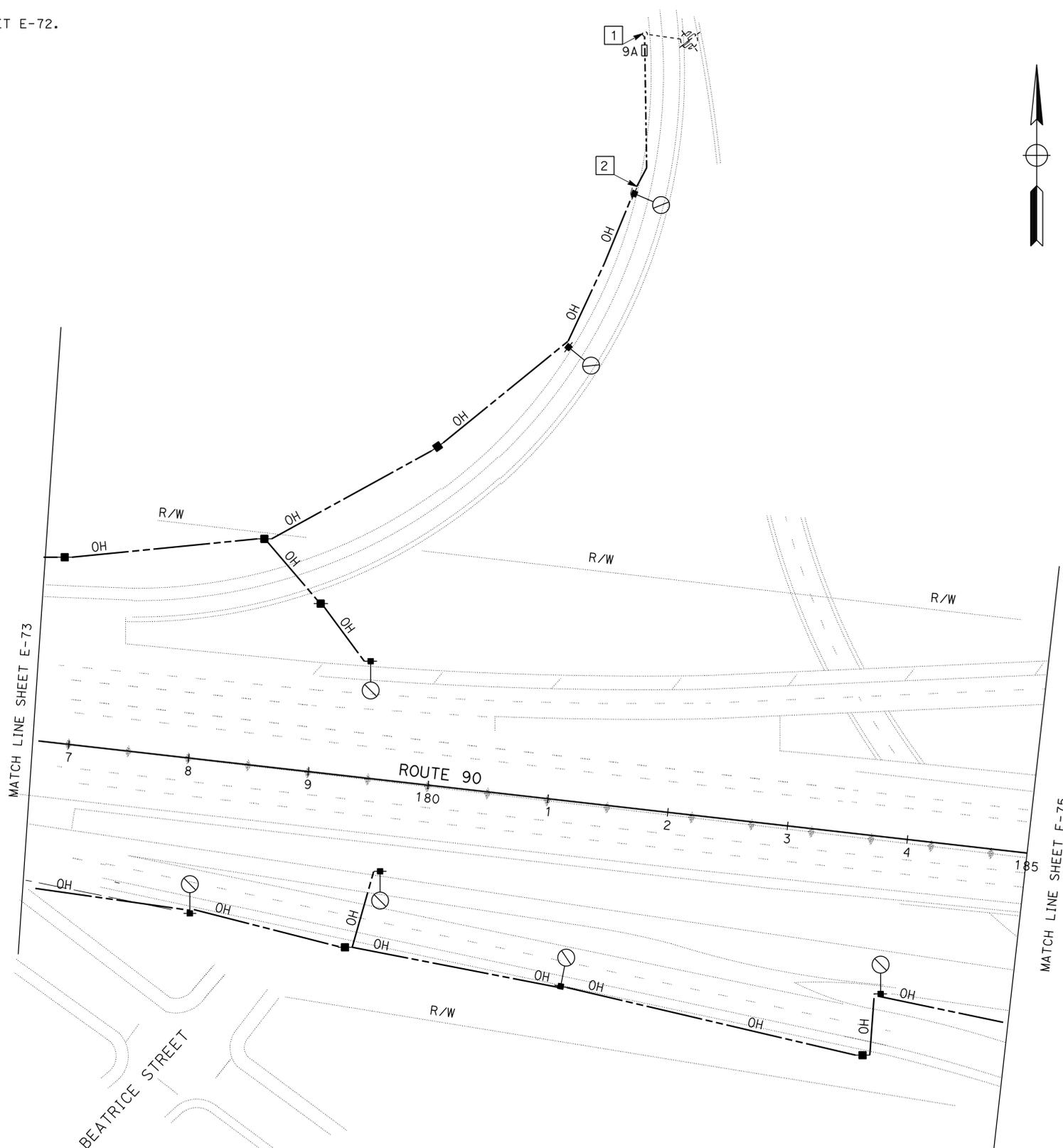
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90, 110	Var	91	131

FATEMEH ANSARI	5/22/14
REGISTERED ELECTRICAL ENGINEER	DATE
7-21-14	
PLANS APPROVAL DATE	

FATEMEH ANSARI	
No. E17009	REGISTERED PROFESSIONAL ENGINEER
Exp. 09/30/15	
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)
 1. FOR GENERAL NOTES AND LEGEND SEE SHEET E-72.



WARNING
 BEFORE STARTING WORK ON EXISTING SERIES LIGHTING CIRCUITS THE CONTRACTOR SHALL OBTAIN DAILY SAFETY CIRCUIT CLEARANCE FROM SERVING COMPANIES, DISCONNECT CIRCUITS, AND PLACE "MEN AT WORK" SIGNS NEAR OPEN SWITCHES.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN
 FUNCTIONAL SUPERVISOR: HASSAN MANNA
 CALCULATED-DRAWN BY: HASSAN MANNA
 CHECKED BY: HASSAN MANNA
 DESIGNED BY: FATEMEH ANSARI
 REVISIONS: HASSAN MANNA
 DATE: 7/2/2010

APPROVED FOR ELECTRICAL WORK ONLY

LIGHTING (TEMPORARY)
 SCALE: 1" = 50'
E-74

DATE PLOTTED => 25-AUG-2014
 TIME PLOTTED => 14:29
 LAST REVISION: 00-00-00

NOTES: (THIS SHEET)

1. FOR GENERAL NOTES AND LEGEND SEE SHEET E-72.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90, 110	Var	92	131

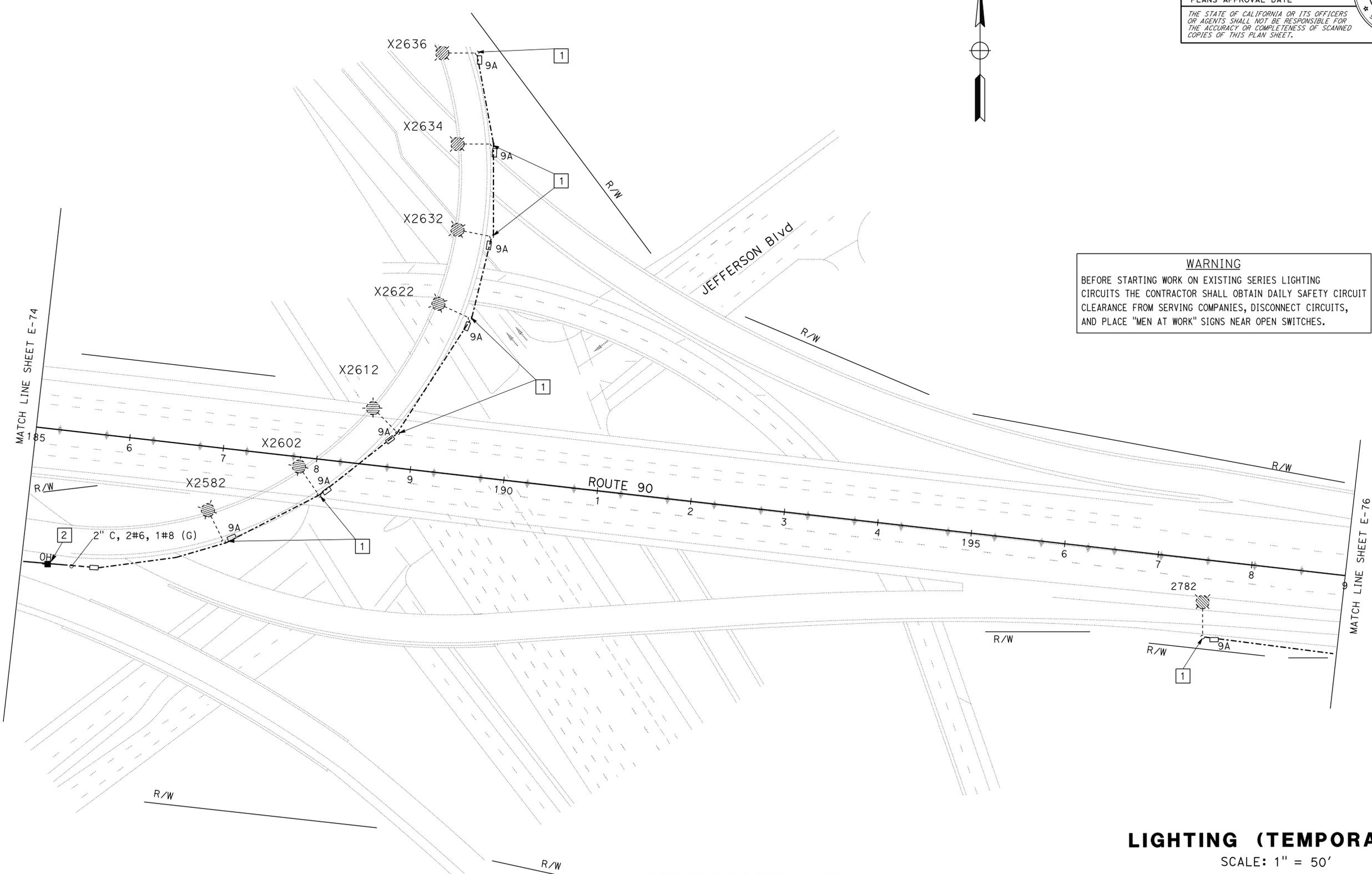
FATEMEH ANSARI 5/22/14
 REGISTERED ELECTRICAL ENGINEER DATE

7-21-14
 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.



WARNING
 BEFORE STARTING WORK ON EXISTING SERIES LIGHTING CIRCUITS THE CONTRACTOR SHALL OBTAIN DAILY SAFETY CIRCUIT CLEARANCE FROM SERVING COMPANIES, DISCONNECT CIRCUITS, AND PLACE "MEN AT WORK" SIGNS NEAR OPEN SWITCHES.



APPROVED FOR ELECTRICAL WORK ONLY

LIGHTING (TEMPORARY)

SCALE: 1" = 50'

E-75

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR: HASSAN MANNA
 CALCULATED/DESIGNED BY: HASSAN MANNA
 CHECKED BY: HASSAN MANNA
 REVISOR: FATEMEH ANSARI
 DATE REVISOR: HASSAN MANNA

DATE PLOTTED => 25-AUG-2014
 TIME PLOTTED => 14:29

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90, 110	Var	93	131

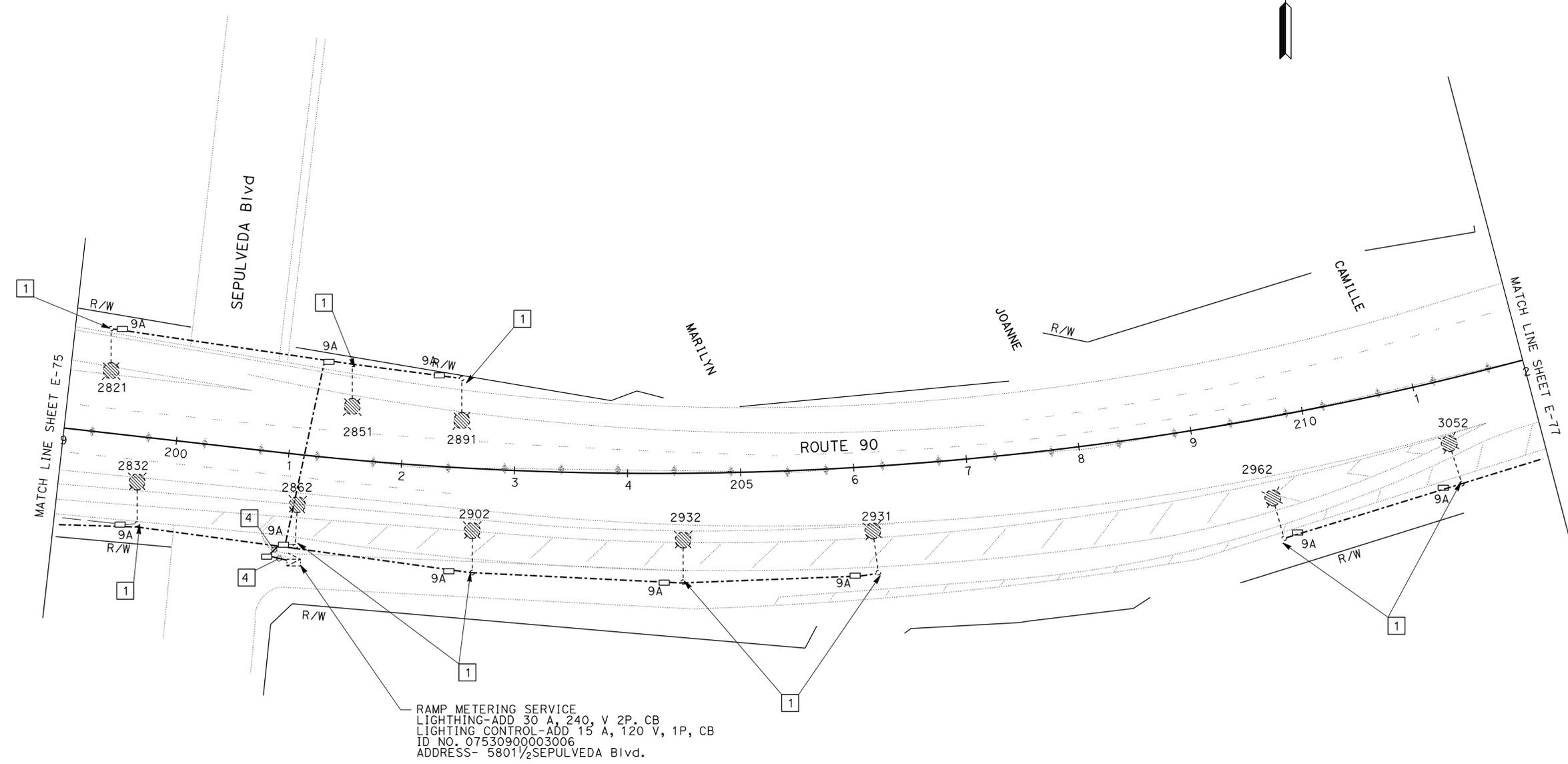
FATEMEH ANSART	5/22/14
REGISTERED ELECTRICAL ENGINEER	DATE
7-21-14	
PLANS APPROVAL DATE	

FATEMEH ANSART	
No. E17009	REGISTERED PROFESSIONAL ENGINEER
Exp. 09/30/15	STATE OF CALIFORNIA
ELECTRICAL	

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)
 1. FOR GENERAL NOTES AND LEGEND SEE SHEET E-72.



RAMP METERING SERVICE
 LIGHTING-ADD 30 A, 240 V 2P, CB
 LIGHTING CONTROL-ADD 15 A, 120 V, 1P, CB
 ID NO. 07530900003006
 ADDRESS- 5801 1/2 SEPULVEDA Blvd.

WARNING
 BEFORE STARTING WORK ON EXISTING SERIES LIGHTING CIRCUITS THE CONTRACTOR SHALL OBTAIN DAILY SAFETY CIRCUIT CLEARANCE FROM SERVING COMPANIES, DISCONNECT CIRCUITS, AND PLACE "MEN AT WORK" SIGNS NEAR OPEN SWITCHES.

LIGHTING (TEMPORARY)
 SCALE: 1" = 50'

APPROVED FOR ELECTRICAL WORK ONLY

E-76

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN
 FUNCTIONAL SUPERVISOR: HASSAN MANNA
 CHECKED BY: HASSAN MANNA
 DESIGNED BY: FATEMEH ANSARI
 REVISOR: HASSAN MANNA
 DATE REVISOR: [blank]

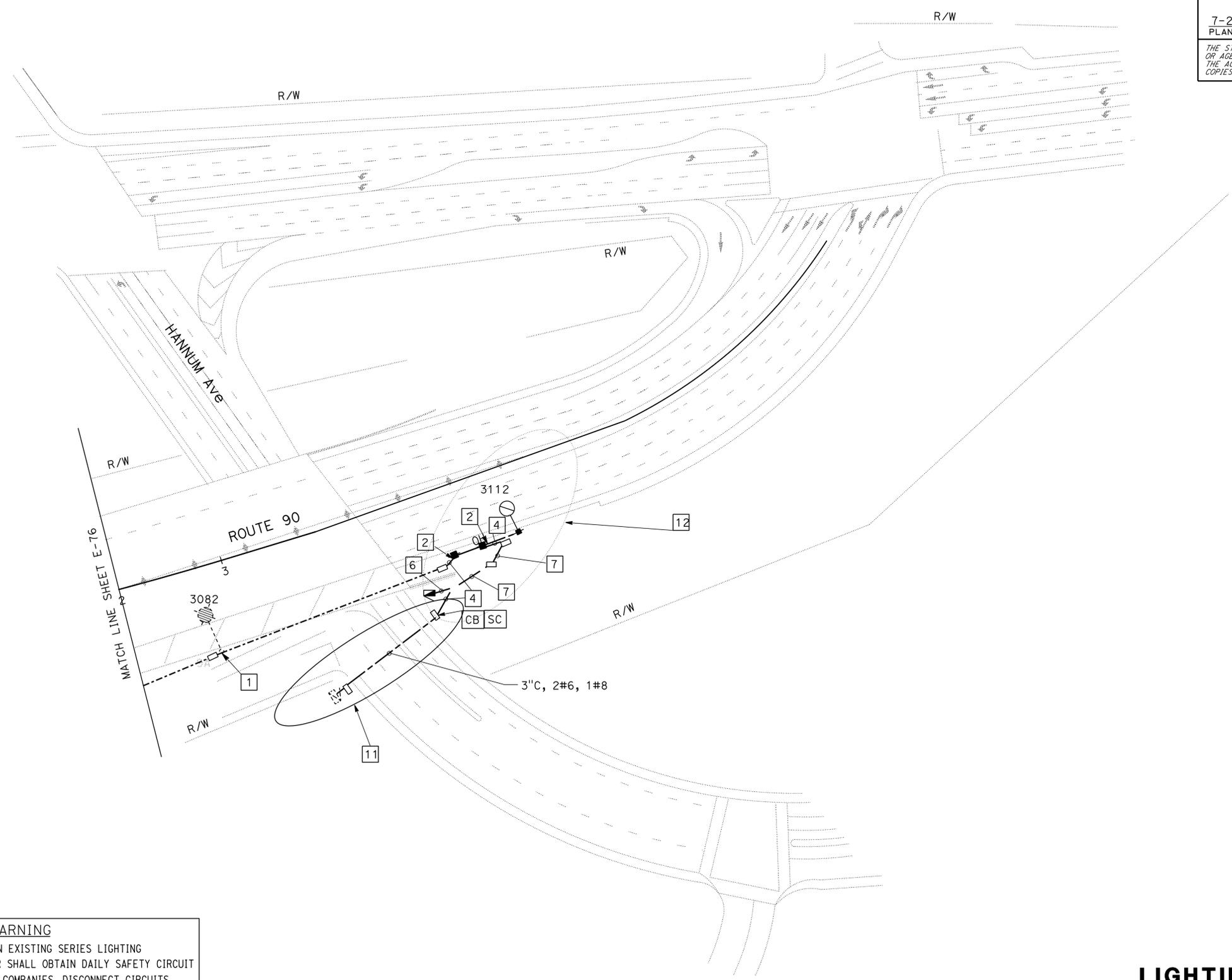
LAST REVISION: 00-00-00 DATE PLOTTED => 25-AUG-2014 TIME PLOTTED => 14:29

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90, 110	Var	94	131

FATEMEH ANSARI	5/22/14
REGISTERED ELECTRICAL ENGINEER	DATE
7-21-14	
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.

NOTES: (THIS SHEET)
 1. FOR GENERAL NOTES AND LEGEND SEE SHEET E-72.



WARNING
 BEFORE STARTING WORK ON EXISTING SERIES LIGHTING CIRCUITS THE CONTRACTOR SHALL OBTAIN DAILY SAFETY CIRCUIT CLEARANCE FROM SERVING COMPANIES, DISCONNECT CIRCUITS, AND PLACE "MEN AT WORK" SIGNS NEAR OPEN SWITCHES.

APPROVED FOR ELECTRICAL WORK ONLY

LIGHTING (TEMPORARY)
 SCALE: 1" = 50'

E-77

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN
 FUNCTIONAL SUPERVISOR: HASSAN MANNA
 CALCULATED-DRAWN BY: HASSAN MANNA
 CHECKED BY: HASSAN MANNA
 DESIGNED BY: FATEMEH ANSARI
 HASSAN MANNA
 REVISIONS: 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, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.

LAST REVISION: 00-00-00
 DATE PLOTTED => 25-AUG-2014
 TIME PLOTTED => 14:29

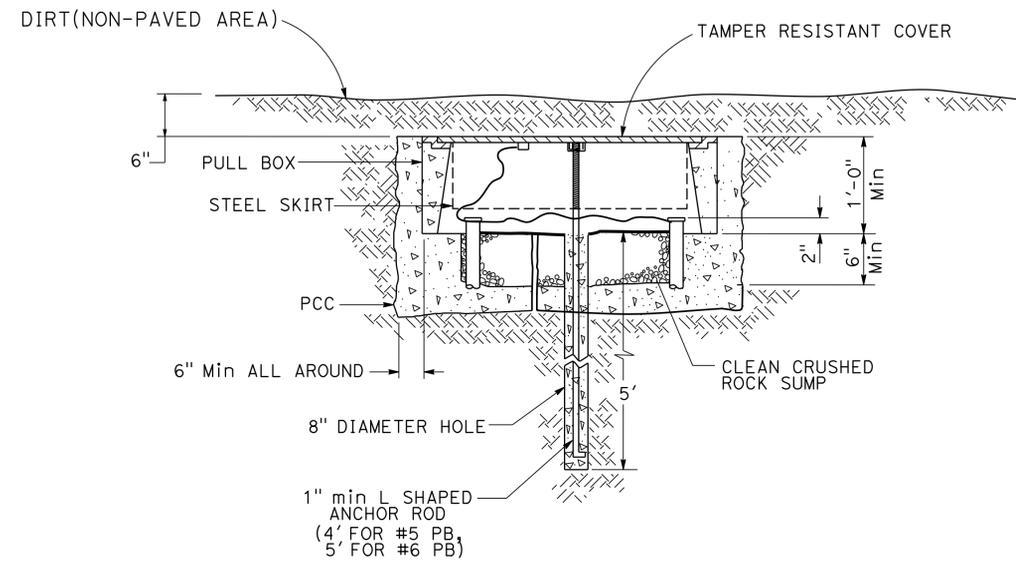
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90, 110	Var	95	131

<i>Stanley L. Johnson</i>	5/22/14
REGISTERED ELECTRICAL ENGINEER	DATE
7-21-14	
PLANS APPROVAL DATE	

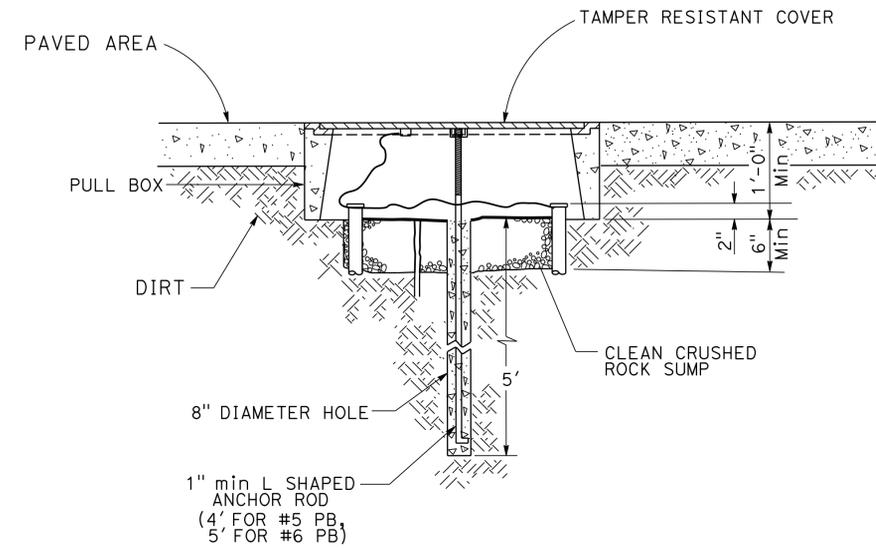
REGISTERED PROFESSIONAL ENGINEER
 STANLEY L. JOHNSON
 No. E 16761
 Exp 09/30/14
 ELECTRICAL
 STATE OF CALIFORNIA

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.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN
 FUNCTIONAL SUPERVISOR
 HASSAN MANNA
 CHECKED BY
 HASSAN MANNA
 CALCULATED-DESIGNED BY
 STANLEY L. JOHNSON
 HASSAN MANNA
 REVISED BY
 DATE REVISED



**PULL BOX DETAILS
(NON-PAVED AREAS)**



**PULL BOX DETAILS
(PAVED AREAS)**

TAMPER RESISTANT PULL BOX INSTALLATION DETAILS

**MODIFY SIGNAL
AND LIGHTING**

NO SCALE

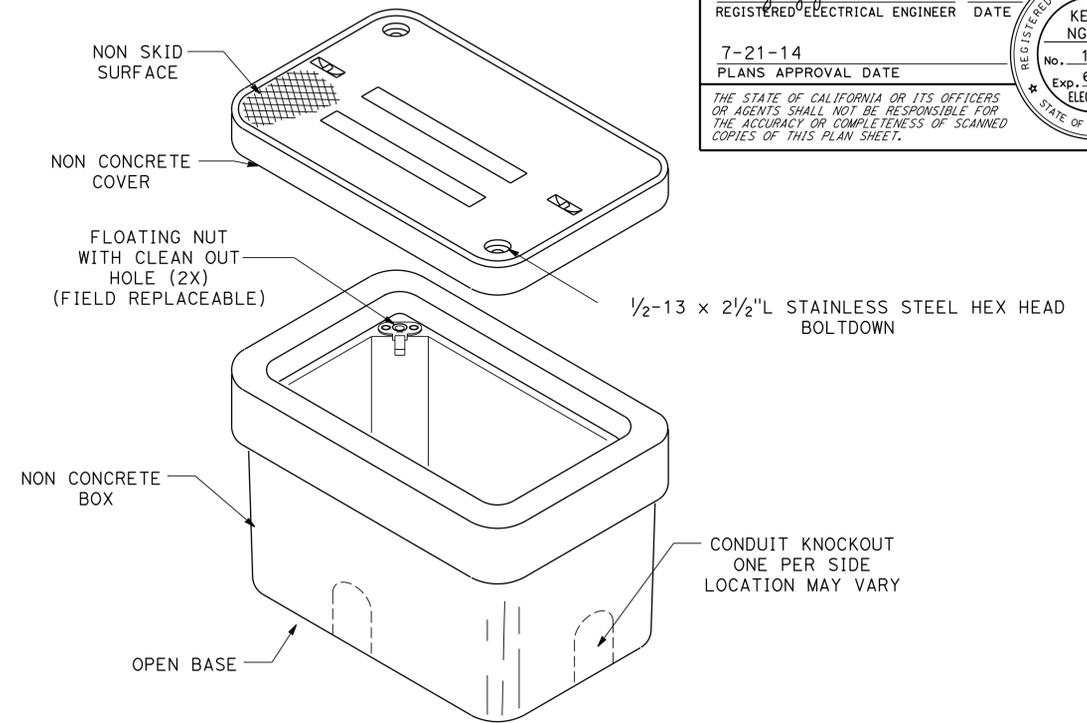
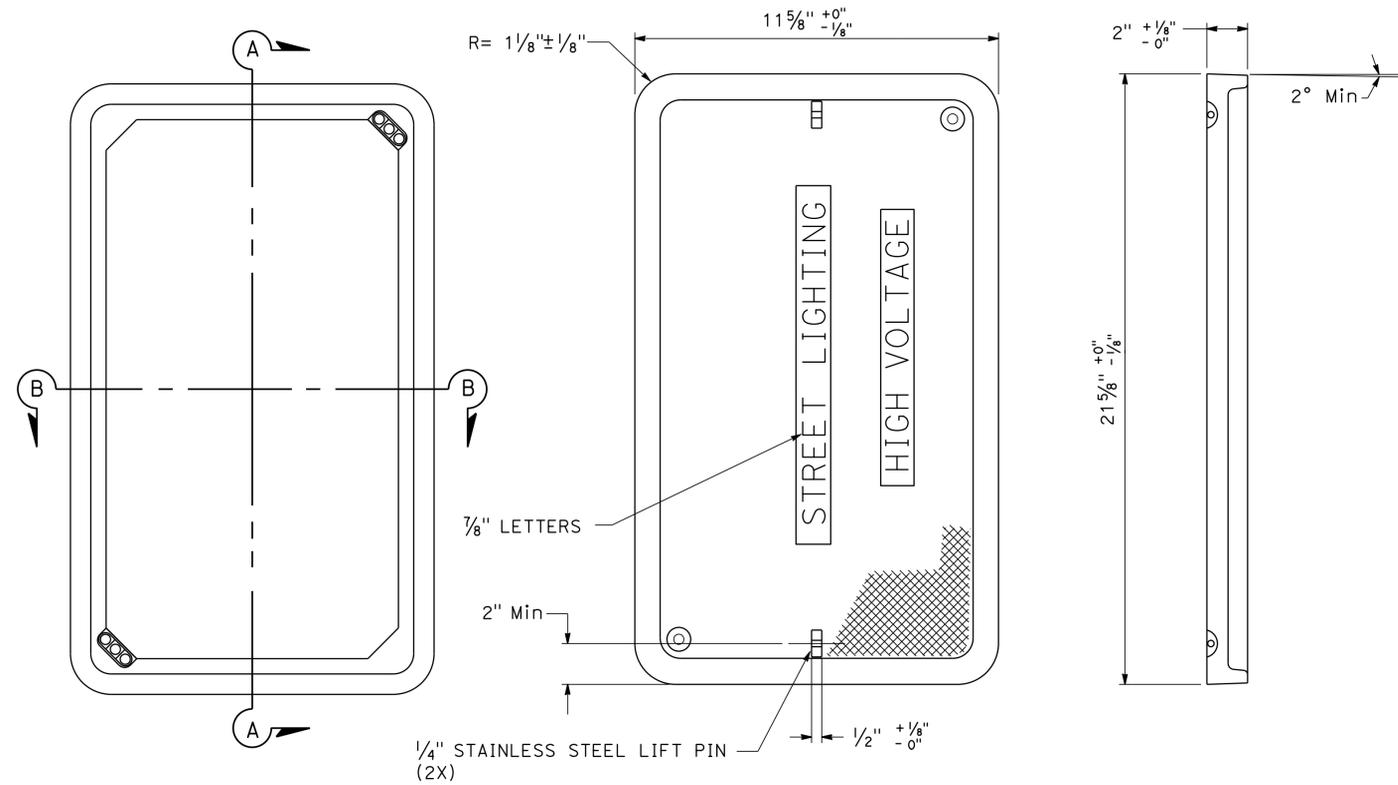
E-78

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90, 110	Var	96	131

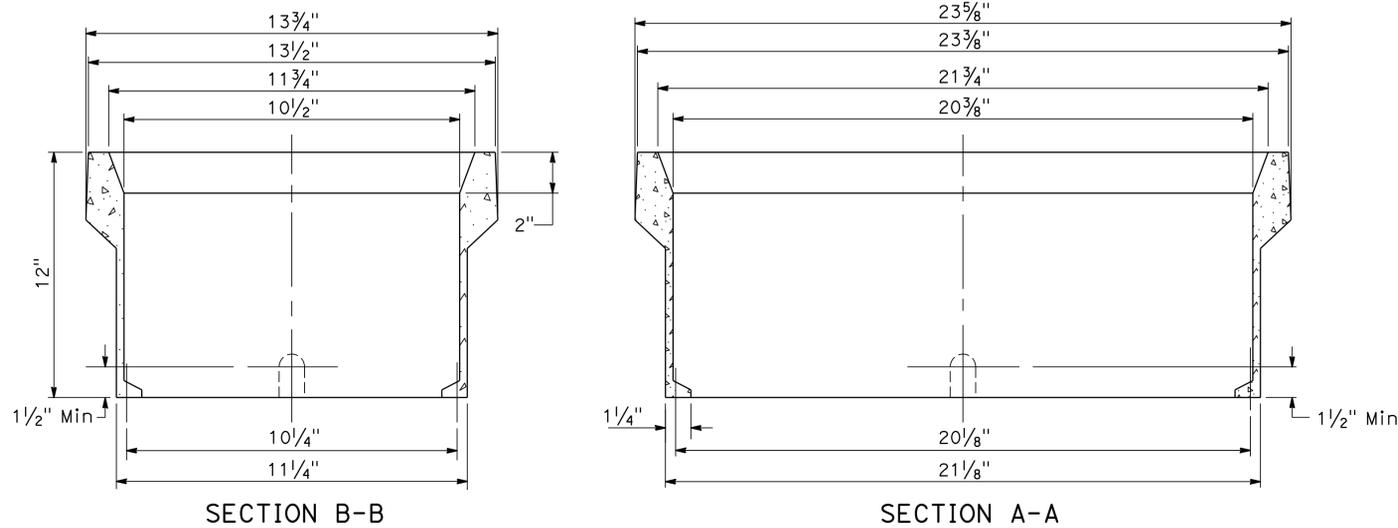
Kenny Nguyen	5/22/14
REGISTERED ELECTRICAL ENGINEER	DATE
7-21-14	
PLANS APPROVAL DATE	

REGISTERED PROFESSIONAL ENGINEER
KENNY NGUYEN
 No. 17759
 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.



- WHERE TYPE 2 PULL BOX IS SPECIFIED IN THE PLANS, IT SHALL CONSIST OF A PULL BOX AND LID, AND SHALL MEET THE REQUIREMENTS OF THIS PLAN.
- LETTERS SHOWN ON LID SHALL NOT BE DIFFERENT FROM OR OF A SIZE LESS THAN THAT INDICATED HEREON.



**CITY
ELECTRICAL DETAILS**

**MODIFY LIGHTING AND
SIGN ILLUMINATION**

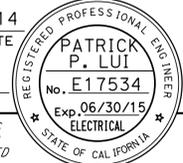
NO SCALE

E-79

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION - **TRAFFIC DESIGN**
 FUNCTIONAL SUPERVISOR: HASSAN MANNA
 DESIGNED BY: XCHILT NARANJO
 CHECKED BY: KENNY NGUYEN
 REVISIONS: (None shown)

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90 110	Var	97	131

	5/22/14
REGISTERED ELECTRICAL ENGINEER	DATE
7-21-14	
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.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans OFFICE OF ITS
 FUNCTIONAL SUPERVISOR
 JACQUELINE C. TAN
 CALCULATED-DESIGNED BY
 CHECKED BY
 PATRICK P. LUI
 JACQUELINE C. TAN
 REVISED BY
 DATE REVISED

ABBREVIATIONS: (SHEETS E-83 TO E-88, E-92)

#	NUMBER
12SMFO	12 SINGLEMODE FIBER OPTIC CABLE
AC	ALTERNATING CURRENT
C-MIC	CABINET MOUNT INTERFACE CENTER
FOTM	FIBER OPTIC TRAFFIC MODEM
FOSE	FIBER OPTIC SPLICE ENCLOSURE
HT	HIGH TEMPERATURE
KWH	KILOWATT HOUR
RD	RECEIVE DATA
RX	RECEIVE OR RECEIVER
TX	TRANSMIT OR TRANSMITTER

LEGEND: (SHEETS E-83 TO E-88)

EXISTING

	SPLICE VAULT
	CMS CABINET
	SPLICE VAULT WITH SPLICE CLOSURE

GENERAL NOTES: (E-83 THROUGH E-88)

- EXISTING IRRIGATION SYSTEMS ARE NOT SHOWN FOR CLARITY.
- NUMBER OF CONDUITS IN SOME COMMUNICATION RUNS MAY NOT BE SHOWN FOR CLARITY. THE CONTRACTOR MUST REROUTE IMPACTED CONDUITS AND REPLACE ITS CONTENTS AS NOTED ON THE PLANS.

ABBREVIATIONS, LEGEND AND NOTES

**MODIFY CHANGEABLE MESSAGE SIGN
E-80**

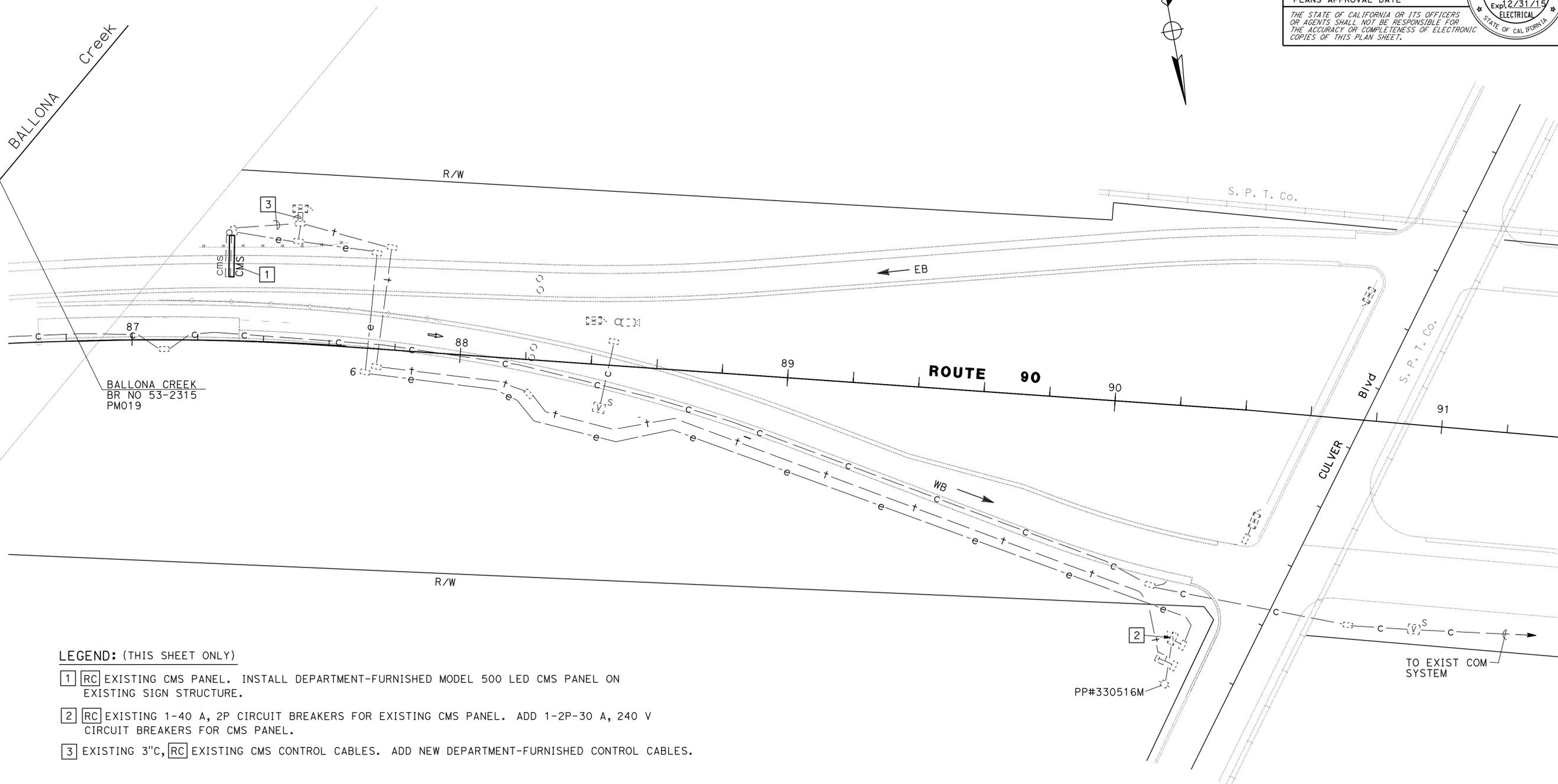
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90 110	Var	99	131

<i>Jacqueline C. Tan</i>	5/22/14
REGISTERED ELECTRICAL ENGINEER	DATE
7-21-14	
PLANS APPROVAL DATE	

JACQUELINE C. TAN
No. E015611
Exp 12/31/15
ELECTRICAL

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

NOTE: (THIS SHEET)
 FOR ACCURATE RIGHT OF WAY DATA, CONTACT
 RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



LEGEND: (THIS SHEET ONLY)

- 1 [RC] EXISTING CMS PANEL. INSTALL DEPARTMENT-FURNISHED MODEL 500 LED CMS PANEL ON EXISTING SIGN STRUCTURE.
- 2 [RC] EXISTING 1-40 A, 2P CIRCUIT BREAKERS FOR EXISTING CMS PANEL. ADD 1-2P-30 A, 240 V CIRCUIT BREAKERS FOR CMS PANEL.
- 3 EXISTING 3"C, [RC] EXISTING CMS CONTROL CABLES. ADD NEW DEPARTMENT-FURNISHED CONTROL CABLES.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans OFFICE OF ITS
 FUNCTIONAL SUPERVISOR: JACQUELINE TAN
 CALCULATED/DESIGNED BY: JACQUELINE TAN
 CHECKED BY: JACQUELINE TAN
 REVISOR: HIEU LUU
 DATE REVISED: JACQUELINE TAN

CMS No. MA019

MODIFY CHANGEABLE MESSAGE SIGN

APPROVED FOR ELECTRICAL WORK ONLY

SCALE: 1" = 50'

E-82

LAST REVISION: 00-00-00
 DATE PLOTTED => 25-AUG-2014
 TIME PLOTTED => 14:29

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10, 90 110	Var	100	131

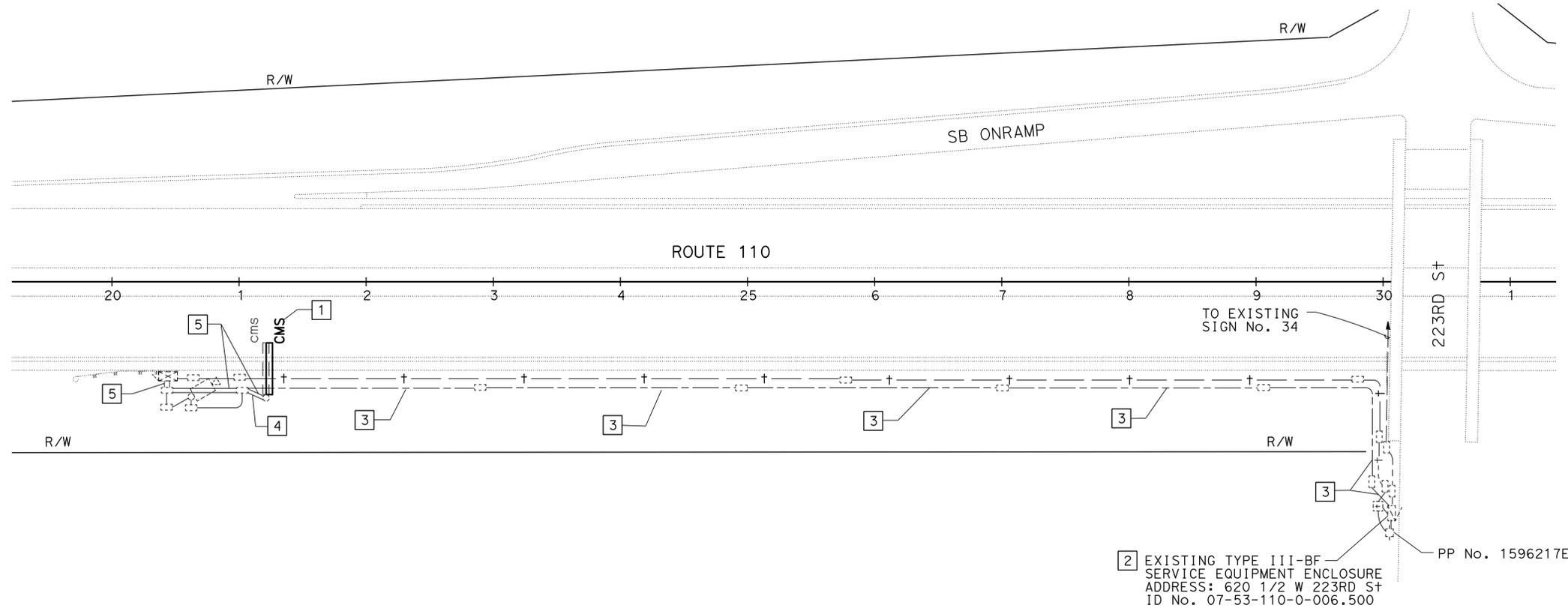
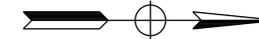
<i>Candace Fung</i>	5/22/14	
REGISTERED ELECTRICAL ENGINEER	DATE	
7-21-14		
PLANS APPROVAL DATE		

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NOTE: (THIS SHEET ONLY)
 FOR ACCURATE RIGHT OF WAY DATA, CONTACT
 RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

LEGEND: (THIS SHEET ONLY)

- 1 [RC] EXISTING CMS PANEL. INSTALL DEPARTMENT-FURNISHED MODEL 500 LED CMS PANEL ON EXISTING SIGN STRUCTURE.
- 2 [RC] EXISTING 2-60 A, 2P CIRCUIT BREAKERS FOR EXISTING CMS PANEL. ADD 1-30 A, 240 V, 2P CIRCUIT BREAKERS FOR NEW CMS PANEL.
- 3 EXISTING 4"C, [RC] EXISTING 12#1/0. ADD NEW 3#4, 1#4 (G).
- 4 EXISTING 3"C, [RC] EXISTING 12#1/0. ADD NEW 3#4, 1#4 (G).
- 5 EXISTING 3"C, [RC] EXISTING CMS CONTROL CABLES. ADD NEW DEPARTMENT-FURNISHED CONTROL CABLES.



CMS No. 37

MODIFY CHANGEABLE MESSAGE SIGN

SCALE: 1" = 50'

APPROVED FOR ELECTRICAL WORK ONLY

E-83

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans OFFICE OF ITS
 FUNCTIONAL SUPERVISOR
 JACQUELINE TAN
 CALCULATED-DESIGNED BY
 CHECKED BY
 CANDACE FUNG
 JACQUELINE TAN
 REVISED BY
 DATE REVISED