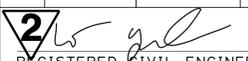


Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Sac	5, 80	Var	3	38

	11-23-15
REGISTERED CIVIL ENGINEER	DATE
PLANS APPROVAL DATE	

11-23-15	
REGISTERED PROFESSIONAL ENGINEER	
No. 77266	
Exp. 6-30-17	
CIVIL	

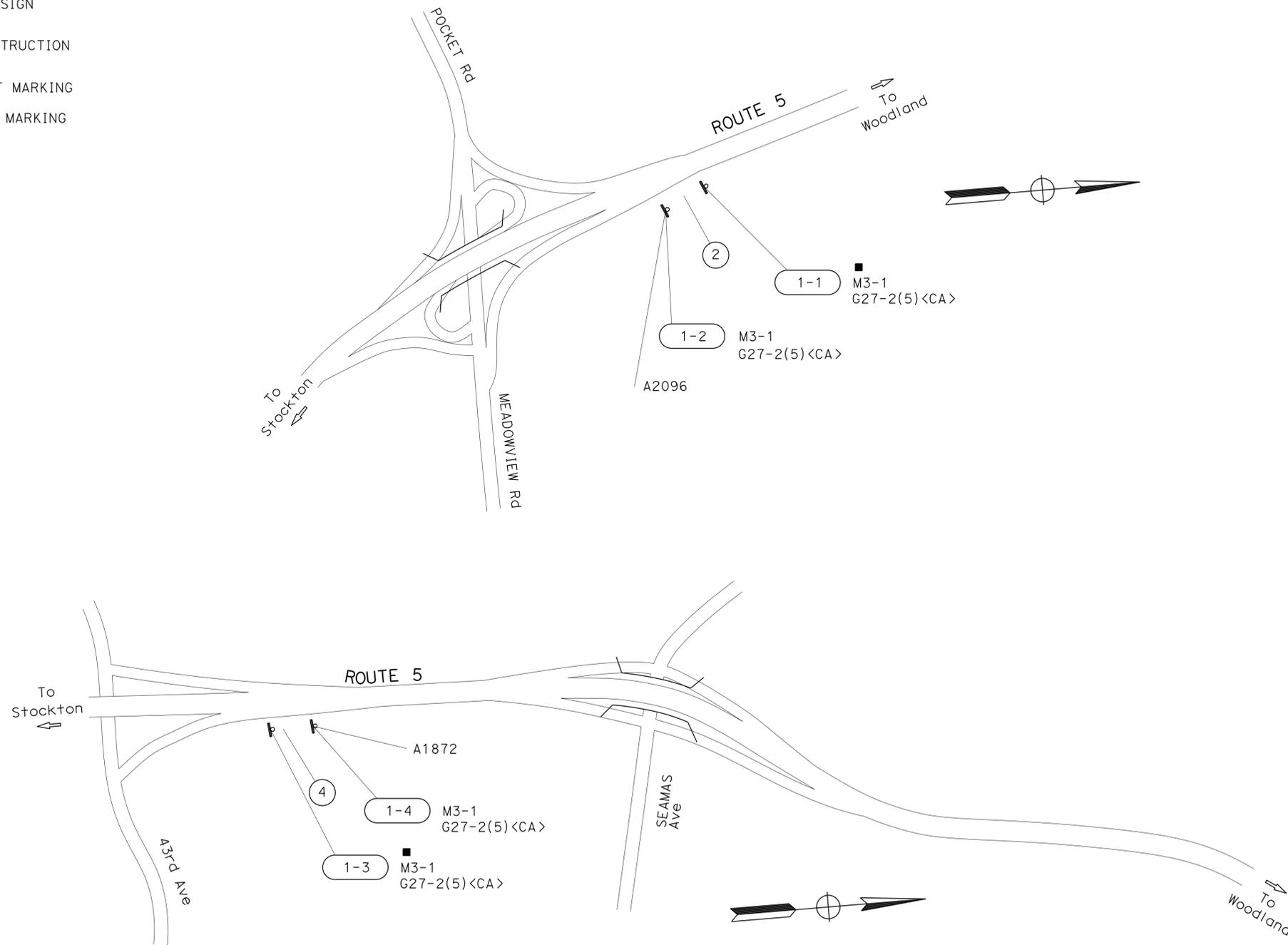
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

LEGEND

- Sh+No. ROADSIDE SIGN NUMBER
- <CA> CALIFORNIA SIGN CODE
- REMOVE ROADSIDE SIGN
- (X) LOCATION OF CONSTRUCTION
- Si "SIGNAL" PAVEMENT MARKING
- A "AHEAD" PAVEMENT MARKING

NOTES:

1. ALL EXISTING SIGNS NOT SHOWN FOR REMOVAL SHALL REMAIN IN PLACE.
2. ALL SIGN CODES SHOWN ARE FEDERAL SIGN CODES UNLESS OTHERWISE DESIGNATED AS CALIFORNIA SIGN CODES.



REPLACED PER ADDENDUM No. 2 DATED MARCH 2, 2016

APPROVED FOR PAVEMENT DELINEATION AND SIGN WORK ONLY

PAVEMENT DELINEATION AND SIGN PLAN

NO SCALE

PD-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	TRAFFIC
Caltrans	
FUNCTIONAL SUPERVISOR	JOYCE K LOFTUS
CALCULATED/DESIGNED BY	CHECKED BY
ALEX WU	JOHN KEBER
REVISED BY	DATE REVISED



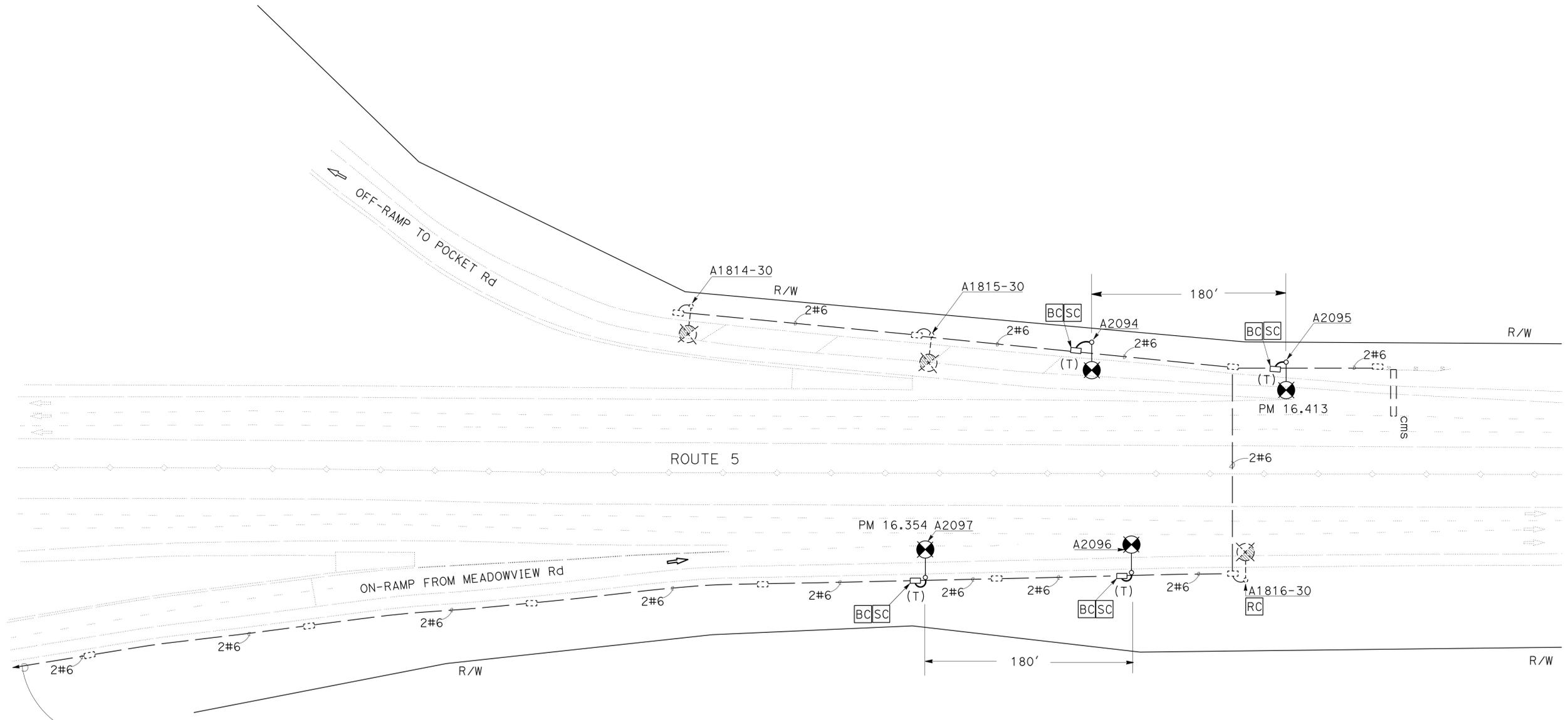
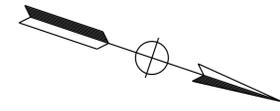
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Sac	5, 80	Var	9	38

Norman 11-23-15
 REGISTERED ELECTRICAL ENGINEER DATE
 11-23-15
 PLANS APPROVAL DATE
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

REGISTERED PROFESSIONAL ENGINEER
NORMAN S. YE
 No. 16913
 Exp. 6-30-17
 ELECTRICAL
 STATE OF CALIFORNIA

NOTES:

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- EXISTING UTILITY FACILITIES HAVE NOT BEEN INCLUDED ON THESE SHEETS. LOCATIONS OF WORK ARE FLEXIBLE AND MAY BE ADJUSTED TO MITIGATE ANY CONFLICTS WITH EXISTING UTILITY FACILITIES.
- WELD TRAFFIC RATED PULL BOXES. SEE DETAILS ON SHEET E-15.



TO EXISTING TYPE III-AF SERVICE EQUIPMENT ENCLOSURE Ctid No. 03240050016150. AT POCKET ROAD OC (NORTHSIDE OF THE SIDEWALK)

(LOCATION 1 AND LOCATION 2)

MODIFY LIGHTING

SCALE: 1" = 50'



REPLACED PER ADDENDUM No. 2 DATED MARCH 2, 2016

APPROVED FOR ELECTRICAL WORK ONLY

E-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	DESIGNED BY	REVISOR
Caltrans ELECTRICAL DESIGN	MARY ANN HUDSPETH	OANH D. NGUYEN	DATE
		NORMAN YE	REVISOR
			DATE

LAST REVISION
 DATE PLOTTED => 01-MAR-2016
 TIME PLOTTED => 14:51

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
 ELECTRICAL DESIGN

FUNCTIONAL SUPERVISOR
 MARY ANN HUDSPETH

CALCULATED/DESIGNED BY
 CHECKED BY

OANH D NGUYEN
 NORMAN YE

REVISED BY
 DATE REVISED

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Sac	5, 80	Var	10	38

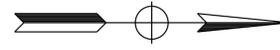
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Norman Ye 11-23-15
 REGISTERED ELECTRICAL ENGINEER DATE

11-23-15
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 NORMAN S. YE
 No. 16913
 Exp. 6-30-17
 ELECTRICAL
 STATE OF CALIFORNIA

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

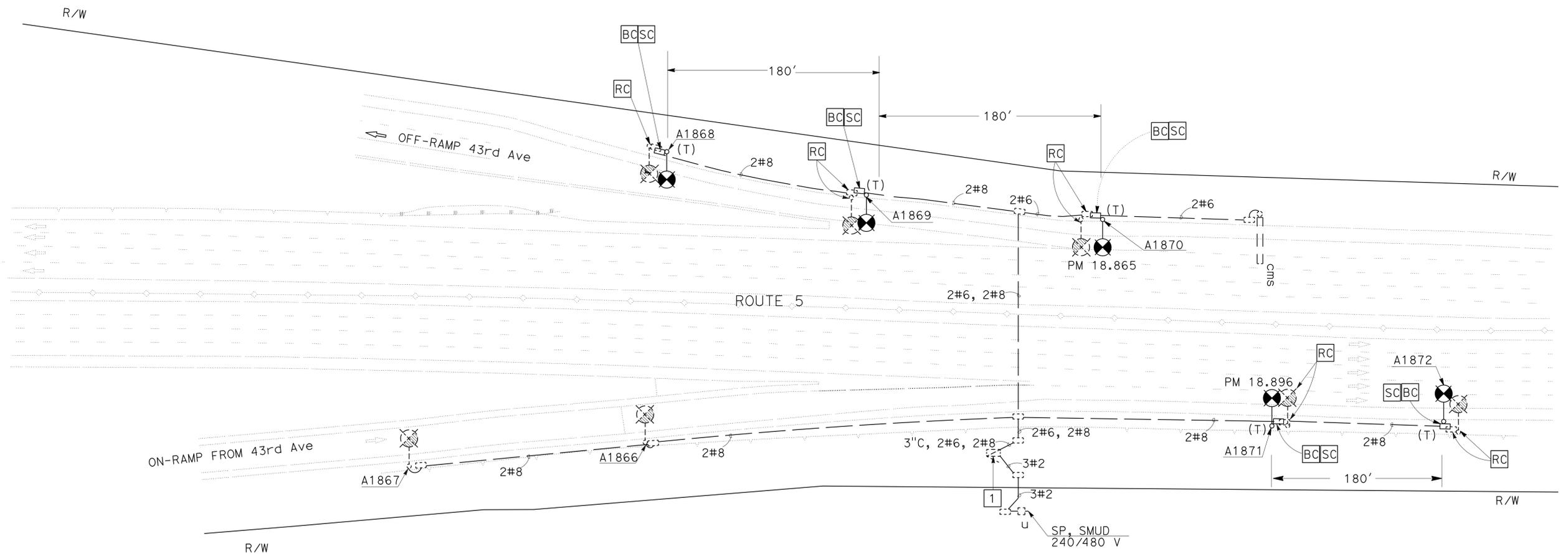


NOTES:

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- EXISTING UTILITY FACILITIES HAVE NOT BEEN INCLUDED ON THESE SHEETS. LOCATIONS OF WORK ARE FLEXIBLE AND MAY BE ADJUSTED TO MITIGATE ANY CONFLICTS WITH EXISTING UTILITY FACILITIES.
- WELD TRAFFIC RATED PULL BOXES. SEE DETAILS ON SHEET E-15.

LEGEND (THIS SHEET ONLY):

- 1 EXISTING TYPE III-AF SERVICE EQUIPMENT ENCLOSURE C+id No. 03240050018810.



(LOCATION 3 AND LOCATION 4)

2 REPLACED PER ADDENDUM No. 2 DATED MARCH 2, 2016
 APPROVED FOR ELECTRICAL WORK ONLY

MODIFY LIGHTING

SCALE: 1" = 50'

E-2

DATE PLOTTED => 01-MAR-2016 TIME PLOTTED => 14:51

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans ELECTRICAL DESIGN

FUNCTIONAL SUPERVISOR
 MARY ANN HUDSPETH

CALCULATED/DESIGNED BY
 CHECKED BY

OANH D NGUYEN
 NORMAN YE

REVISED BY
 DATE REVISED

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. EXISTING UTILITY FACILITIES HAVE NOT BEEN INCLUDED ON THESE SHEETS. LOCATIONS OF WORK ARE FLEXIBLE AND MAY BE ADJUSTED TO MITIGATE ANY CONFLICTS WITH THE EXISTING UTILITY FACILITIES.
3. WELD TRAFFIC RATED PULL BOXES. SEE DETAILS ON SHEET E-15.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Sac	5, 80	Var	11	38

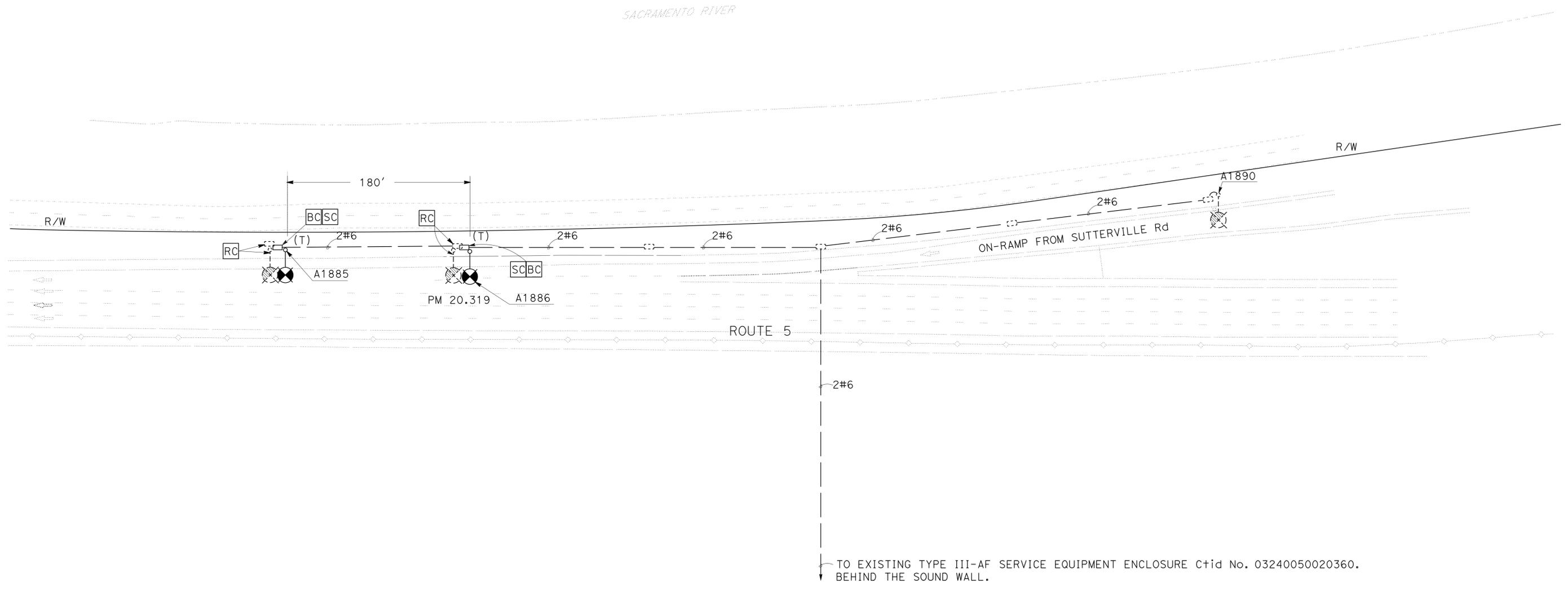
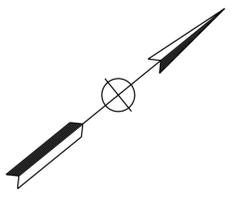
Norman S. Ye 11-23-15
 REGISTERED ELECTRICAL ENGINEER DATE

11-23-15
 PLANS APPROVAL DATE

NORMAN S. YE
 No. 16913
 Exp. 6-30-17
 ELECTRICAL

REGISTERED PROFESSIONAL ENGINEER
 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.



(LOCATION 5)

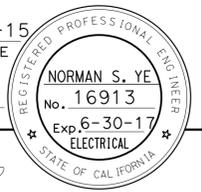
2 REPLACED PER ADDENDUM No. 2 DATED MARCH 2, 2016

MODIFY LIGHTING
 SCALE: 1" = 50'

APPROVED FOR ELECTRICAL WORK ONLY

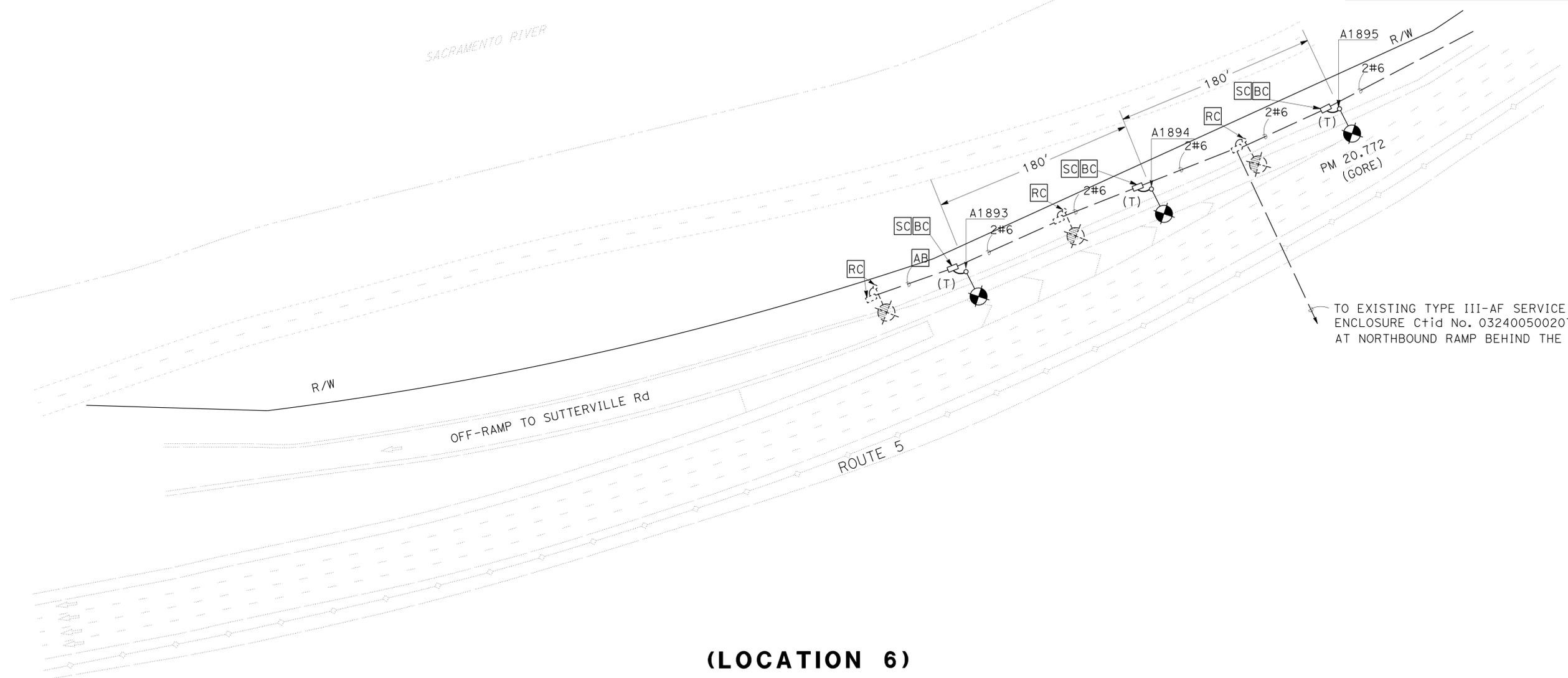
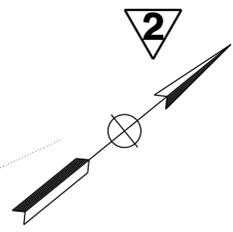
E-3

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Sac	5, 80	Var	12	38
Normanye			11-23-15	REGISTERED ELECTRICAL ENGINEER DATE	
11-23-15			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:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. EXISTING UTILITY FACILITIES HAVE NOT BEEN INCLUDED ON THESE SHEETS. LOCATIONS OF WORK ARE FLEXIBLE AND MAY BE ADJUSTED TO MITIGATE ANY CONFLICTS WITH THE EXISTING UTILITY FACILITIES.
3. WELD TRAFFIC RATED PULL BOXES. SEE DETAILS ON SHEET E-15.



TO EXISTING TYPE III-AF SERVICE EQUIPMENT ENCLOSURE Ctid No. 03240050020730. AT NORTHBOUND RAMP BEHIND THE SOUND WALL.

(LOCATION 6)

2 REPLACED PER ADDENDUM No. 2 DATED MARCH 2, 2016

APPROVED FOR ELECTRICAL WORK ONLY

MODIFY LIGHTING

SCALE: 1" = 50'

E-4

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	REVISOR	DATE
Caltrans	MARY ANN HUDSPETH	OANH D NGUYEN	
ELECTRICAL DESIGN		NORMAN YE	
	CHECKED BY	DATE	REVISOR

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans ELECTRICAL DESIGN
 FUNCTIONAL SUPERVISOR: MARY ANN HUDSPETH
 CALCULATED/DESIGNED BY: CHECKED BY:
 NATHAN DEKENS NORMAN YE
 REVISED BY: DATE REVISED:

NOTES:

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
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- WELD TRAFFIC RATED PULL BOXES. SEE DETAILS ON SHEET E-15.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Sac	5, 80	Var	13	38

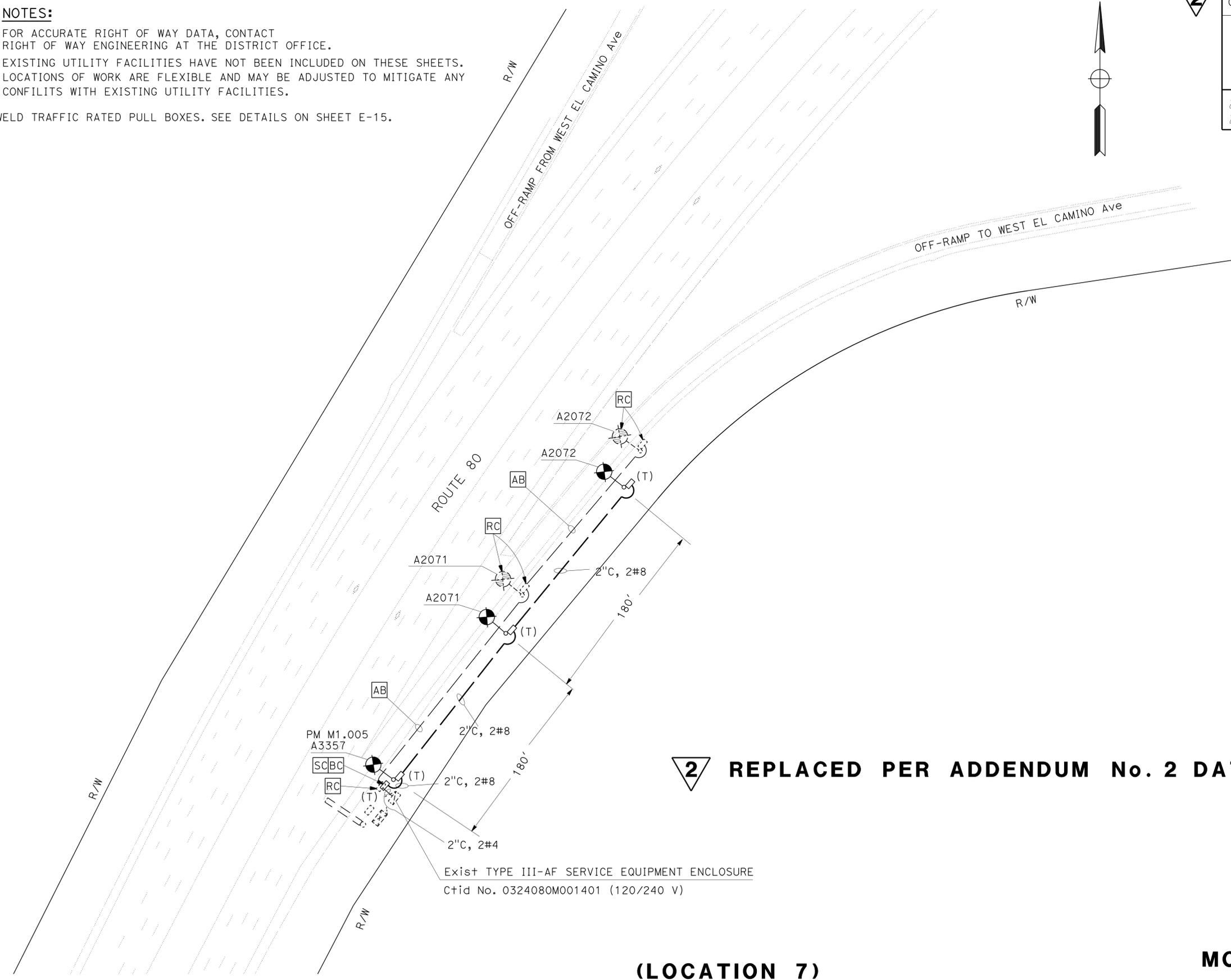
Norman Ye 11-23-15
 REGISTERED ELECTRICAL ENGINEER DATE

11-23-15
 PLANS APPROVAL DATE

NORMAN S. YE
 No. 16913
 Exp. 6-30-17
 ELECTRICAL

REGISTERED PROFESSIONAL ENGINEER
 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 REPLACED PER ADDENDUM No. 2 DATED MARCH 2, 2016

(LOCATION 7)

MODIFY LIGHTING

SCALE: 1" = 50'

APPROVED FOR ELECTRICAL WORK ONLY

E-5

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans ELECTRICAL DESIGN
 FUNCTIONAL SUPERVISOR: MARY ANN HUDSPETH
 CALCULATED/DESIGNED BY: CHECKED BY:
 NATHAN DEKENS NORMAN YE
 REVISED BY: DATE REVISED:

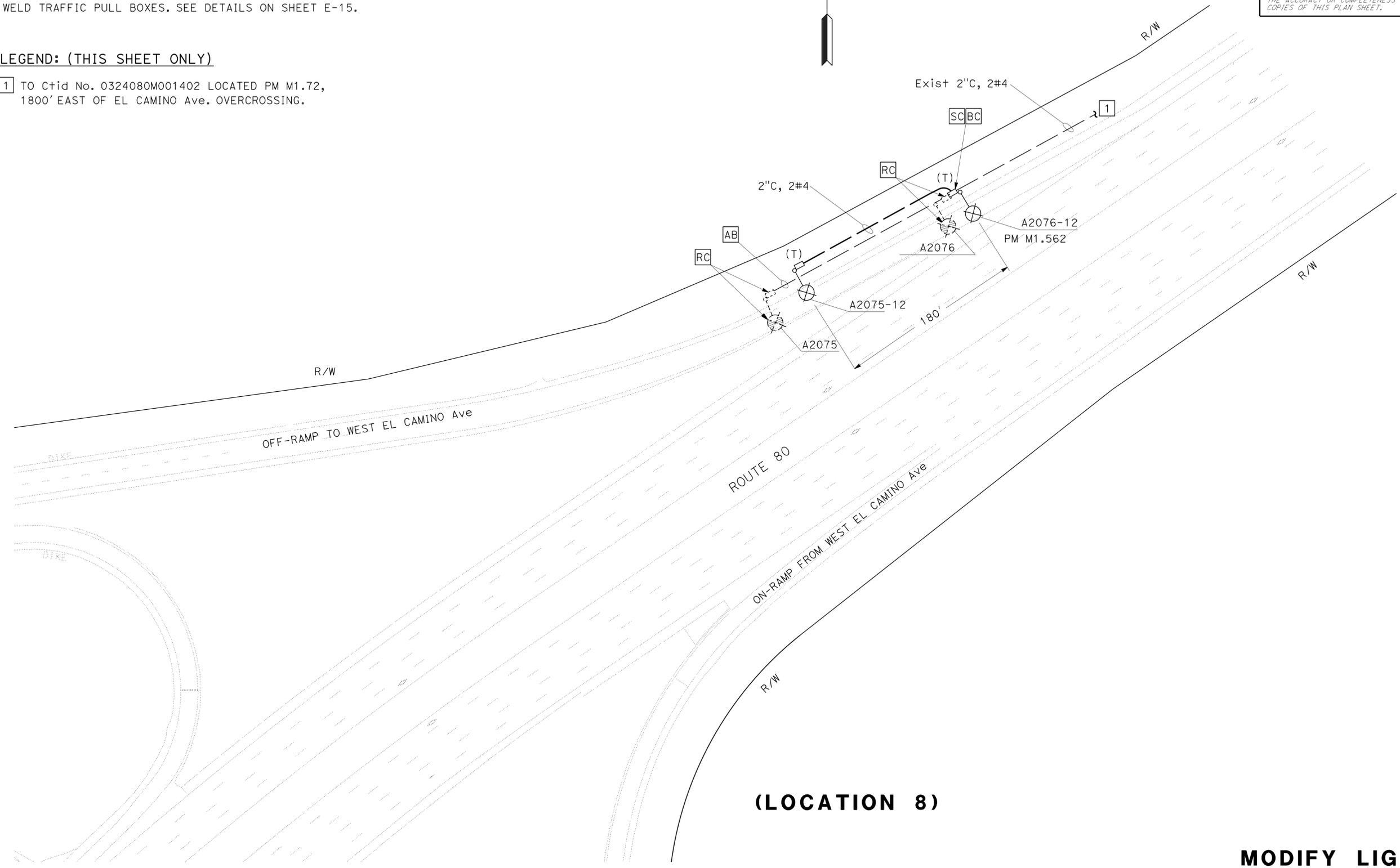
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Sac	5, 80	Var	14	38

Normanye 11-23-15
 REGISTERED ELECTRICAL ENGINEER DATE
 11-23-15
 PLANS APPROVAL DATE
 No. 16913
 Exp. 6-30-17
 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.

- NOTE:**
- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
 - EXISTING UTILITY FACILITIES HAVE NOT BEEN INCLUDED ON THESE SHEETS. LOCATIONS OF WORK ARE FLEXIBLE AND MAY BE ADJUSTED TO MITIGATE ANY CONFLICTS WITH EXISTING UTILITY FACILITIES.
 - WELD TRAFFIC PULL BOXES. SEE DETAILS ON SHEET E-15.

LEGEND: (THIS SHEET ONLY)

1 TO Ctid No. 0324080M001402 LOCATED PM M1.72, 1800' EAST OF EL CAMINO Ave. OVERCROSSING.



(LOCATION 8)

2 REPLACED PER ADDENDUM No. 2 DATED MARCH 2, 2016
 APPROVED FOR ELECTRICAL WORK ONLY

MODIFY LIGHTING

SCALE: 1" = 50'

E-6

LAST REVISION: 11-5-15 DATE PLOTTED => 01-MAR-2016 TIME PLOTTED => 14:51

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 ELECTRICAL DESIGN
 FUNCTIONAL SUPERVISOR: MARY ANN HUDSPETH
 CALCULATED/DESIGNED BY: NATHAN DEKENS
 CHECKED BY: NORMAN YE
 REVISED BY: DATE
 REVISIONS: x x x x

NOTES:

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- EXISTING UTILITY FACILITIES HAVE NOT BEEN INCLUDED ON THESE SHEETS. LOCATIONS OF WORK ARE FLEXIBLE AND MAY BE ADJUSTED TO MITIGATE AND CONFLICTS WITH EXISTING UTILITY FACILITIES.
- WELD TRAFFIC RATED PULL BOXES. SEE DETAILS ON SHEET E-15.

LEGEND: (THIS SHEET ONLY)

- | | |
|--|---|
| 1 1/2"C, 2#6 (TO Exist LIGHTING A1747) | 8 2"C, 2#10 (120 V, TO Exist IRRIGATION) |
| 2 2"C, 4#8 (480 V TO Exist RAMP METERING) | 9 2"C, 2#6 (TO Exist LIGHTING A3000) |
| 3 1/2"C, 2#6 (480V) | 10 INSTALL 480 V 235 W LED HEAD ON EXISTING MAST ARM. Exist LIGHTING STANDARD TYPE 5 OVERHEAD SIGN MOUNTED WITH 15' ARM LENGTH AND 480 V BALLAST. SEE STANDARD PLANS ES-6C. |
| 4 3"C, 2#12 (120 V, IRRIGATION), 2#10 (120 V, IRRIGATION), 2#6 (480 V, SIGN AND LIGHT), 4#8 (480 V, RAMP METERING), 2#6 (480 V, STRUCTURE LIGHT) | 11 TYPE III-CF SERVICE EQUIPMENT ENCLOSURE 240/480V. Ctid No. 0324080M004981 |
| 5 1/2"C, 2#10 (IRRIGATION) | |
| 6 1/2"C, 2#6 (480 V, LIGHT AND SIGN), 2#6 (480 V, STRUCTURE LIGHT) | |
| 7 1/2"C, 2#6 (TO Exist LIGHTING) | |

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Sac	5,80	Var	15	38

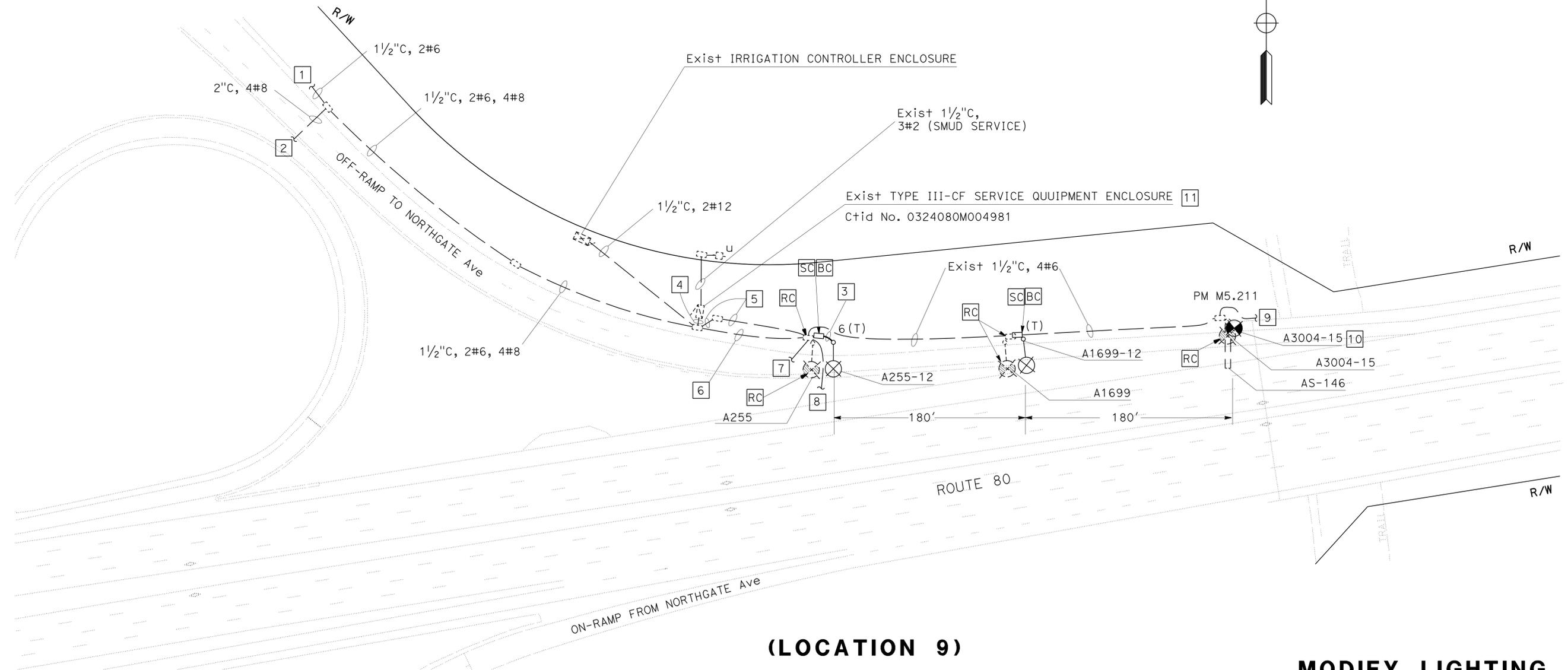
Normanye 11-23-15
 REGISTERED ELECTRICAL ENGINEER DATE

11-23-15
 PLANS APPROVAL DATE

NORMAN S. YE
 No. 16913
 Exp. 6-30-17
 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.

2



(LOCATION 9)

2 REPLACED PER ADDENDUM No. 2 DATED MARCH 2, 2016
 APPROVED FOR ELECTRICAL WORK ONLY

MODIFY LIGHTING

SCALE: 1" = 50'

E-7

LAST REVISION DATE PLOTTED => 01-MAR-2016 11-10-15 TIME PLOTTED => 14:51

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans ELECTRICAL DESIGN
 FUNCTIONAL SUPERVISOR: MARY ANN HUDSPETH
 CALCULATED/DESIGNED BY: NATHAN DEKENS
 CHECKED BY: NORMAN YE
 REVISED BY: DATE REVISION

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Sac	5,80	Var	16	38

Norman S. Ye 11-23-15
 REGISTERED ELECTRICAL ENGINEER DATE

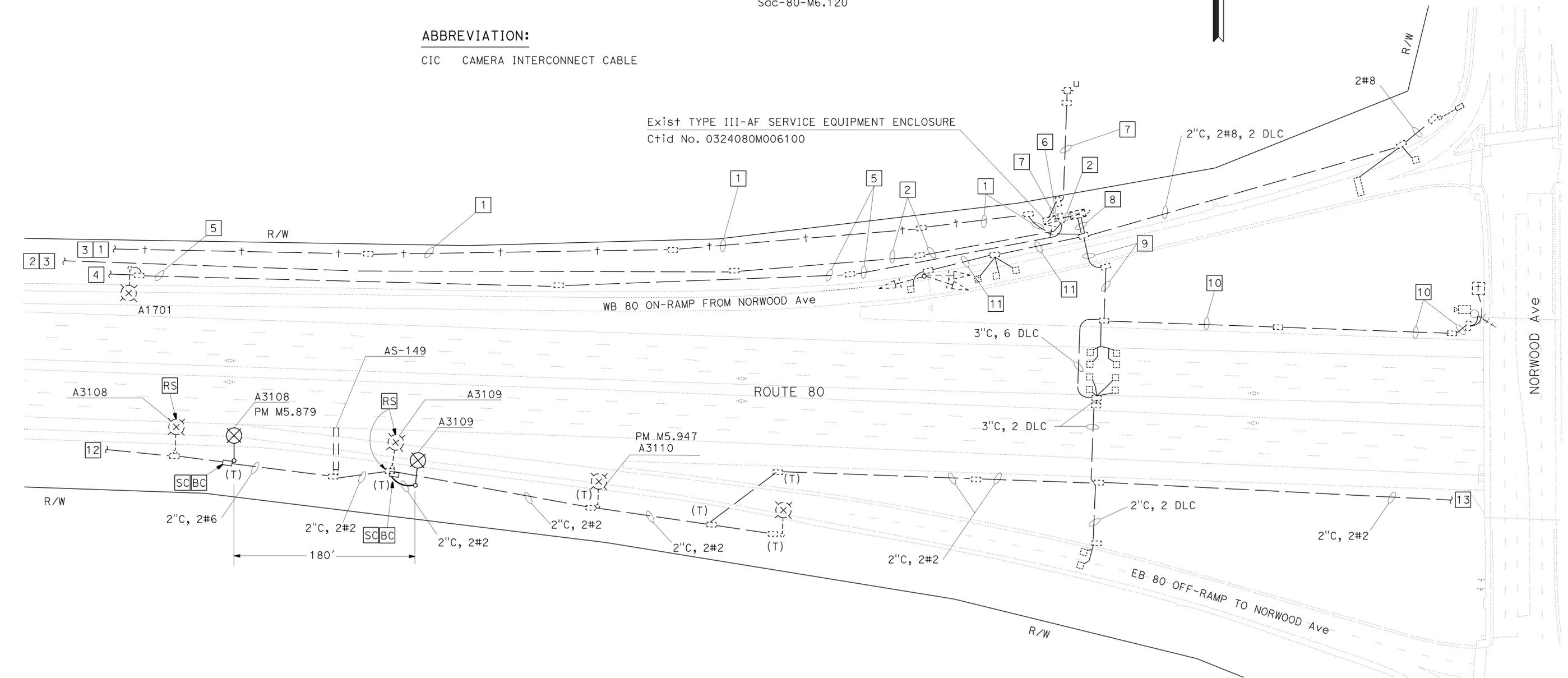
11-23-15
 PLANS APPROVAL DATE

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

REGISTERED PROFESSIONAL ENGINEER
 NORMAN S. YE
 No. 16913
 Exp. 6-30-17
 ELECTRICAL
 STATE OF CALIFORNIA

- NOTES:**
- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
 - EXISTING UTILITY FACILITIES HAVE NOT BEEN INCLUDED ON THESE SHEET. LOCATIONS OF WORK ARE FLEXIBLE AND MAY BE ADJUSTED TO MITIGATE AND CONFLICTS WITH EXISTING UTILITY FACILITIES.
 - WELD TRAFFIC RATED PULL BOXES. SEE DETAILS ON SHEET E-15.
- LEGEND: (THIS SHEET ONLY)**
- | | |
|---|--|
| 1 2"C, 1 TELEPHONE CABLE | 8 2-3"C, 2#8, 6#14, 1 CIC, 1 ETHERNET CABLE, 14 DLC. |
| 2 2"C, 2#8 | 9 3"C, 10 DLC, 1 CIC, 1 TELEPHONE CABLE, 1 ETHERNET CABLE. |
| 3 TO EXISTING COUNT STATION. | 10 3"C, 1 CIC, 1 TELEPHONE CABLE, 1 ETHERNET CABLE. |
| 4 2"C, 2#6 (TO EXISTING LIGHTING A3104) | 11 2"C, 6#14, 1#8, 1 DLC |
| 5 2"C, 2#4 | 12 2"C, 2#6 (TO EXISTING LIGHTING A3107) |
| 6 2"C, 2#4, 2#8 | 13 2"C, 2#2. TO EXISTING SERVICE EQUIPMENT ENCLOSURE. Ctid No. 0324080M006120 (240/480 V). LOCATED EAST SIDE OF NORWOOD Ave. APPROXIMATELY 550' NORTH OF ROUTE 80. Sac-80-M6.120 |
| 7 2"C, 3#2 | |

ABBREVIATION:
 CIC CAMERA INTERCONNECT CABLE



(LOCATION 10)

2 REPLACED PER ADDENDUM No. 2 DATED MARCH 2, 2016
 APPROVED FOR ELECTRICAL WORK ONLY

MODIFY LIGHTING
 SCALE: 1" = 50'
E-8

LAST REVISION DATE PLOTTED => 01-MAR-2016 TIME PLOTTED => 14:51

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans ELECTRICAL DESIGN
 FUNCTIONAL SUPERVISOR: MARY ANN HUDSPETH
 CALCULATED/DESIGNED BY: NATHAN DEKENS
 CHECKED BY: NORMAN YE
 REVISED BY: DATE REVISED

NOTES:

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
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- WELD TRAFFIC RATED PULL BOXES. SEE DETAILS ON SHEET E-15.

LEGEND: (THIS SHEET ONLY)

- INSTALL LIGHTING STANDARD TYPE 5 OVERHEAD SIGN MOUNTED WITH 15' ARM LENGTH. SEE STANDARD PLANS ES-6C.
- Exist 2"C, 2#2. TO EXISTING SERVICE EQUIPMENT ENCLOSURE. Ctid No. 0324080M006120 (240/480 V). LOCATED EAST SIDE OF NORWOOD Ave. APPROXIMATELY 550' NORTH OF ROUTE 80. Sac-80-M6.120

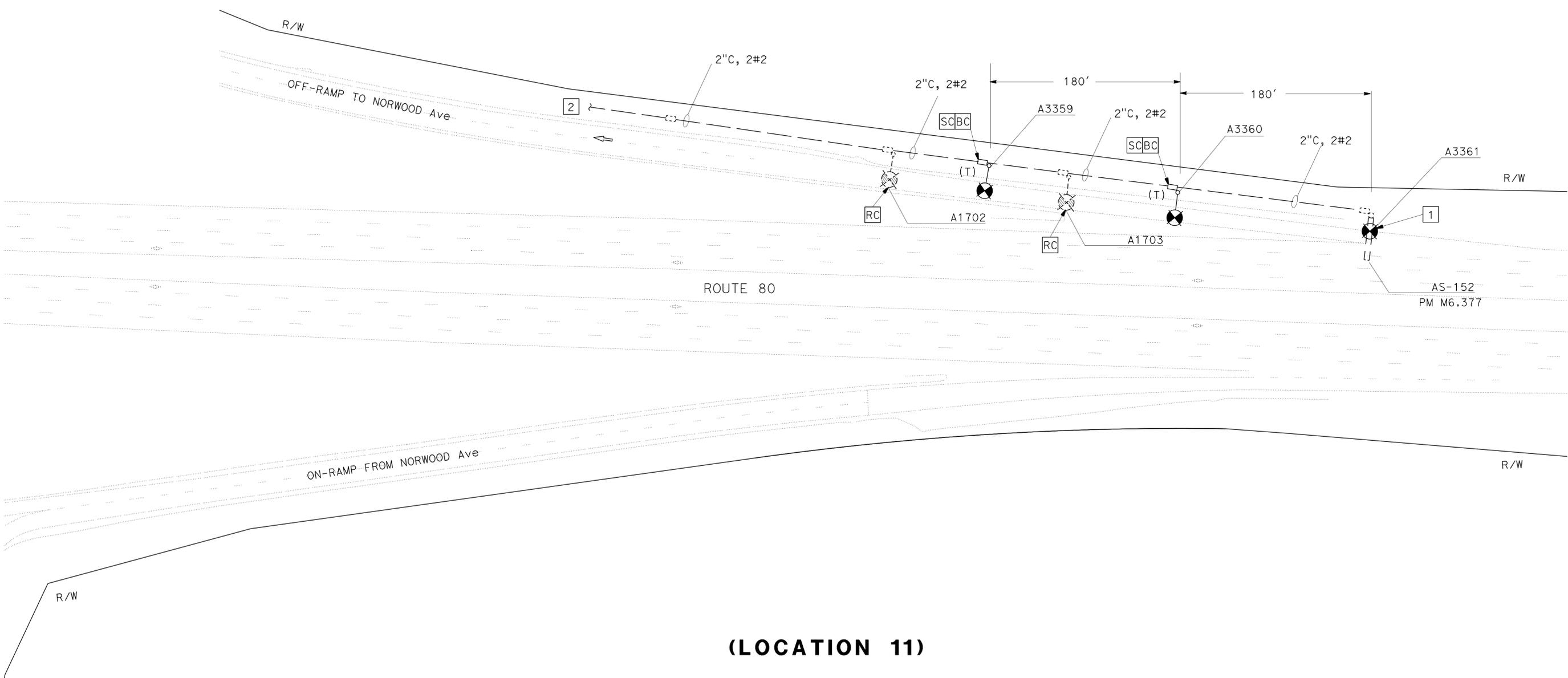
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Sac	5,80	Var	17	38

Norman S. Ye 11-23-15
 REGISTERED ELECTRICAL ENGINEER DATE

11-23-15
 PLANS APPROVAL DATE

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REGISTERED PROFESSIONAL ENGINEER
 NORMAN S. YE
 No. 16913
 Exp. 6-30-17
 ELECTRICAL
 STATE OF CALIFORNIA



(LOCATION 11)

2 REPLACED PER ADDENDUM No. 2 DATED MARCH 2, 2016
 APPROVED FOR ELECTRICAL WORK ONLY

MODIFY LIGHTING

SCALE: 1" = 50'

E-9

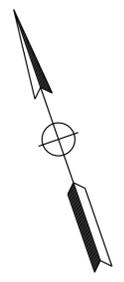
DATE PLOTTED => 01-MAR-2016 TIME PLOTTED => 14:51

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 ELECTRICAL DESIGN
 FUNCTIONAL SUPERVISOR: MARY ANN HUDSPETH
 CALCULATED/DESIGNED BY: NATHAN DEKENS
 CHECKED BY: NORMAN YE
 REVISED BY: DATE REVISED

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Sac	5, 80	Var	18	38

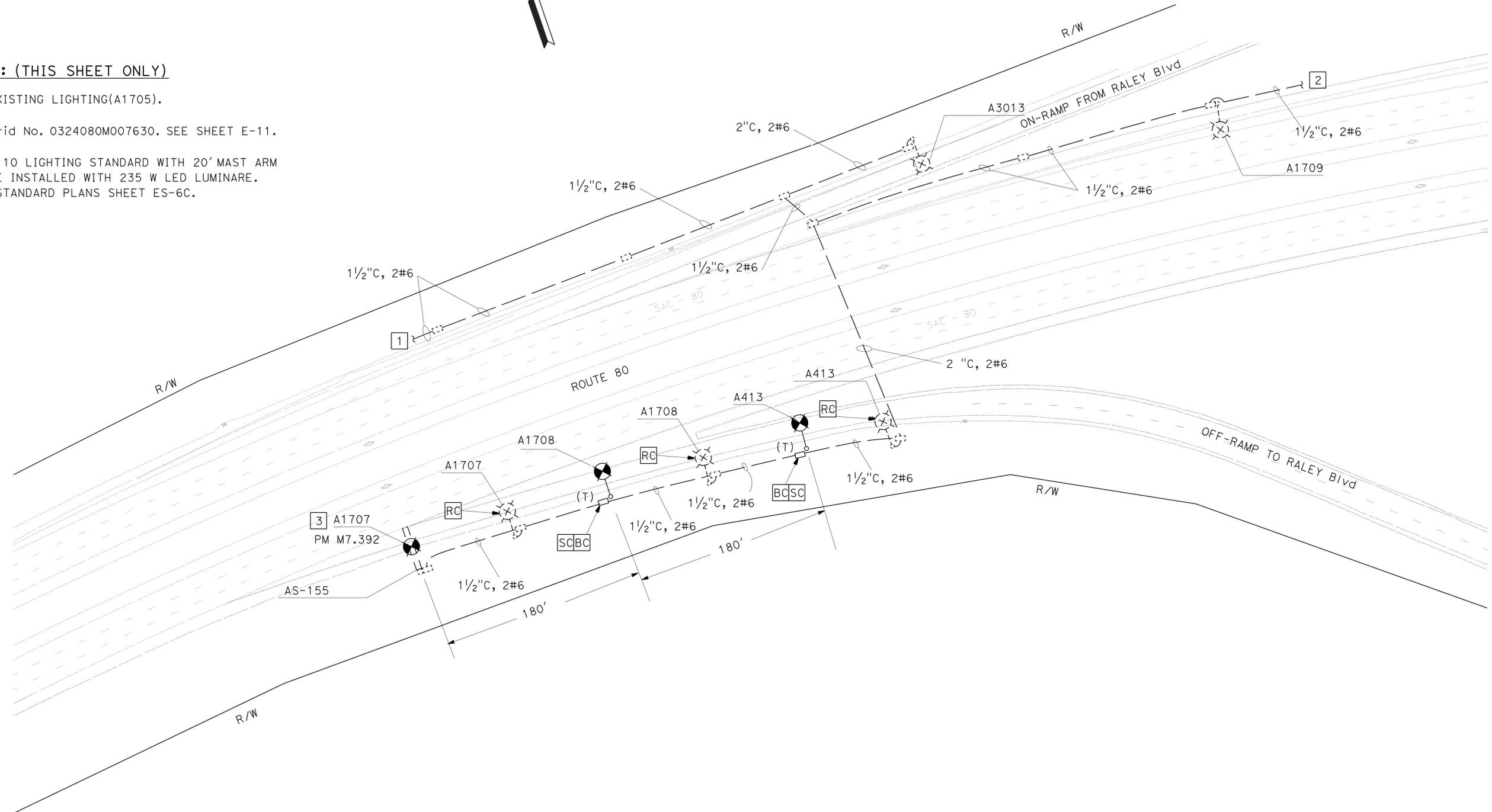
Norman Ye 11-23-15
 REGISTERED ELECTRICAL ENGINEER DATE
 11-23-15
 PLANS APPROVAL DATE
 No. 16913
 Exp. 6-30-17
 ELECTRICAL
 STATE OF CALIFORNIA
 REGISTERED PROFESSIONAL ENGINEER
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

- NOTE:**
- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
 - EXISTING UTILITY FACILITIES HAVE NOT BEEN INCLUDED ON THESE SHEETS. LOCATIONS OF WORK ARE FLEXIBLE AND MAY BE ADJUSTED TO MITIGATE ANY CONFLICTS WITH EXISTING UTILITY FACILITIES.
 - WELD TRAFFIC RATED PULL BOXES. SEE DETAILS ON SHEET E-15.



LEGEND: (THIS SHEET ONLY)

- TO EXISTING LIGHTING(A1705).
- TO Ctid No. 0324080M007630. SEE SHEET E-11.
- TYPE 10 LIGHTING STANDARD WITH 20' MAST ARM TO BE INSTALLED WITH 235 W LED LUMINAIRE. SEE STANDARD PLANS SHEET ES-6C.



(LOCATION 12)

2 REPLACED PER ADDENDUM No. 2 DATED MARCH 2, 2016
 APPROVED FOR ELECTRICAL WORK ONLY

MODIFY LIGHTING
 SCALE: 1" = 50'
E-10

DATE PLOTTED => 01-MAR-2016 TIME PLOTTED => 14:51

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans ELECTRICAL DESIGN
 FUNCTIONAL SUPERVISOR: MARY ANN HUDSPETH
 CALCULATED/DESIGNED BY: NATHAN DEKENS
 CHECKED BY: NORMAN YE
 REVISED BY: DATE REVISED

NOTE:

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
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- WELD TRAFFIC RATED PULL BOXES. SEE DETAILS ON SHEET E-15.

LEGEND: (THIS SHEET ONLY)

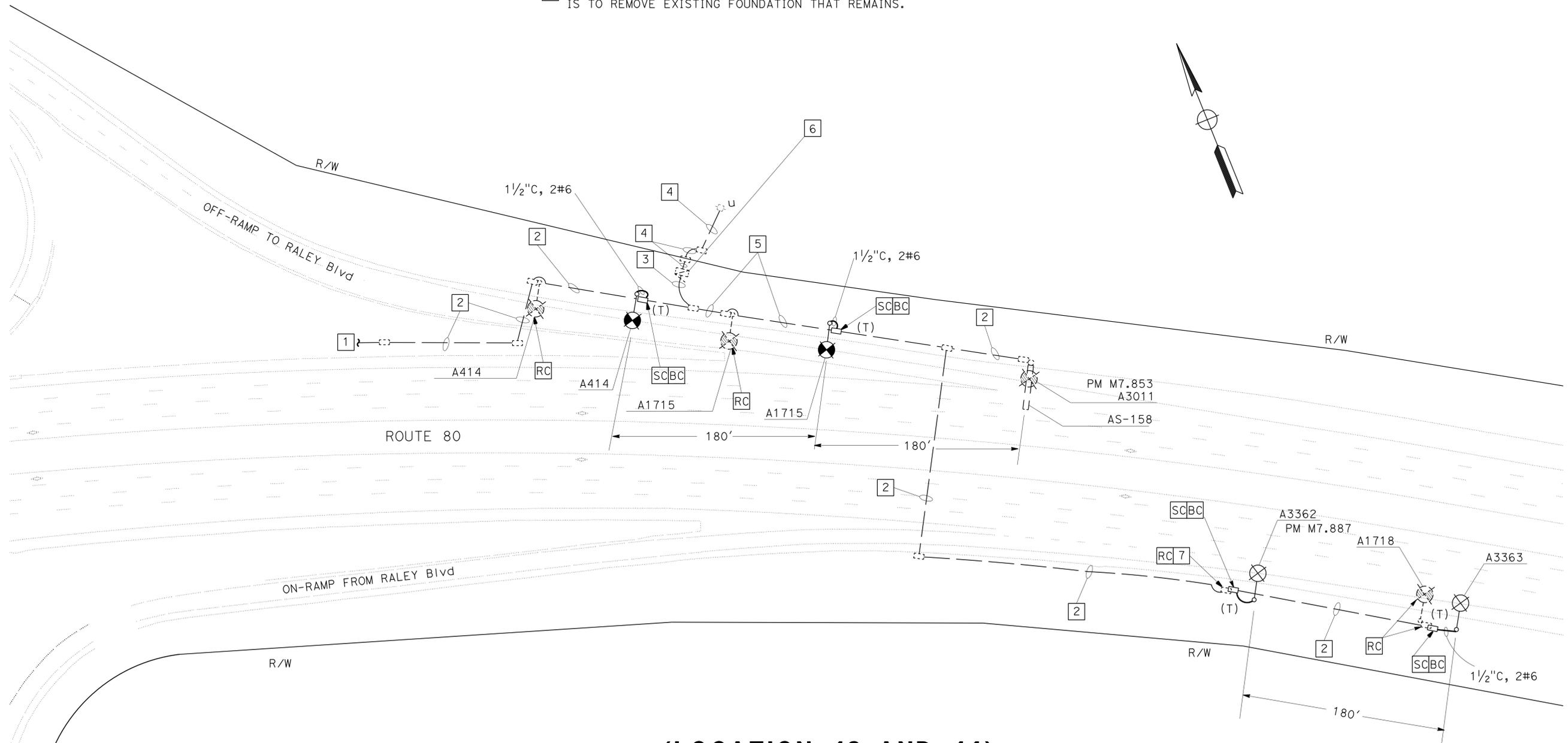
- 1 1/2"C, 2#6. TO EXISTING LIGHTING.
- 1 1/2"C, 2#6.
- 1 1/2"C, 2#6 (480 V, LIGHT AND SIGN).
- 2"C, 3#2
- 2"C, 2#2
- EXISTING TYPE III-AF SERVICE EQUIPMENT ENCLOSURE (240/480 V)
Ctid No. 0324080M007630.
- EXISTING LUMINARE HAS BEEN PREVIOUSLY REMOVED. CONTRACTOR IS TO REMOVE EXISTING FOUNDATION THAT REMAINS.

2

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Sac	5, 80	Var	19	38

Norman Ye 11-23-15
 REGISTERED ELECTRICAL ENGINEER DATE
 11-23-15
 PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

REGISTERED PROFESSIONAL ENGINEER
 NORMAN S. YE
 No. 16913
 Exp. 6-30-17
 ELECTRICAL
 STATE OF CALIFORNIA



(LOCATION 13 AND 14)

2 REPLACED PER ADDENDUM No. 2 DATED MARCH 2, 2016
 APPROVED FOR ELECTRICAL WORK ONLY

MODIFY LIGHTING
 SCALE: 1" = 50'
E-11

LAST REVISION DATE PLOTTED => 01-MAR-2016 TIME PLOTTED => 14:51

2

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Sac	5, 80	Var	20	38

Normanye 11-23-15
 REGISTERED ELECTRICAL ENGINEER DATE

11-23-15
 PLANS APPROVAL DATE

NORMAN S. YE
 No. 16913
 Exp. 6-30-17
 ELECTRICAL

REGISTERED PROFESSIONAL ENGINEER
 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 ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- EXISTING UTILITY FACILITIES HAVE NOT BEEN INCLUDED ON THESE SHEETS. LOCATIONS OF WORK ARE FLEXIBLE AND MAY BE ADJUSTED TO MITIGATE ANY CONFLICTS WITH EXISTING UTILITIES.
- WELD TRAFFIC RATED PULL BOXES. SEE DETAILS ON SHEET E-15.

LEGEND: (THIS SHEET ONLY)

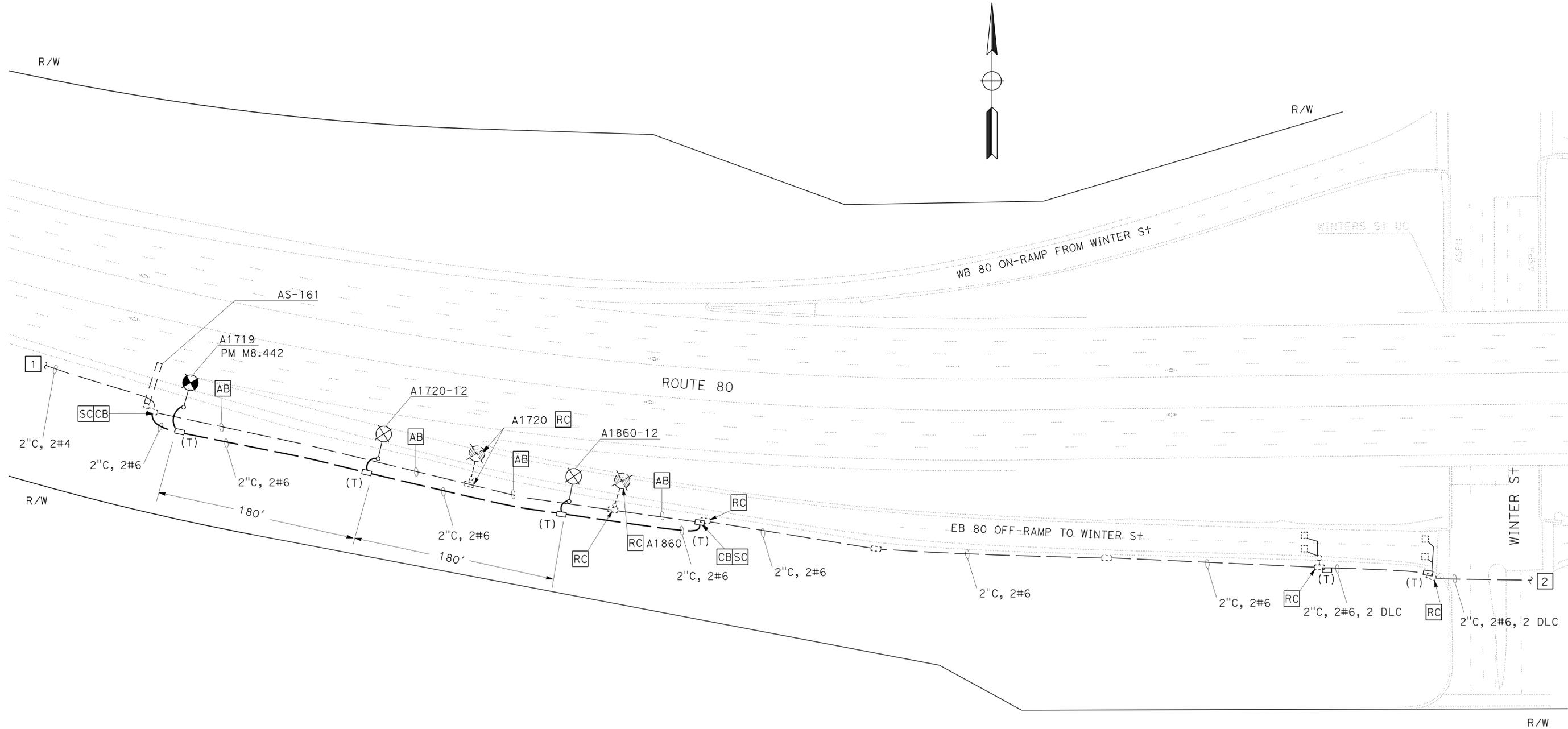
- TO EXISTING LIGHTING (A1850).
- TO EXISTING TYPE III-AF SERVICE EQUIPMENT ENCLOSURE (240/480 V) Ctid No. 0324080M008810. LOCATED ON THE SOUTH SIDE OF EB ON-RAMP(SAC-80-M8.810)

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans ELECTRICAL DESIGN

FUNCTIONAL SUPERVISOR: MARY ANN HUDSPETH

DESIGNED BY: NATHAN DEKENS
 CHECKED BY: NORMAN YE

REVISOR: NATHAN DEKENS
 DATE: 7/2/2010



(LOCATION 15)

2 REPLACED PER ADDENDUM No. 2 DATED MARCH 2, 2016

MODIFY LIGHTING

SCALE: 1" = 50'

APPROVED FOR ELECTRICAL WORK ONLY

E-12



2

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Sac	5, 80	Var	22	38

Norman S. Ye 11-23-15
 REGISTERED ELECTRICAL ENGINEER DATE

11-23-15
 PLANS APPROVAL DATE

No. 16913
 Exp. 6-30-17
 ELECTRICAL

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NOTES: (THIS SHEET ONLY)

1. **RC** EXISTING ELECTROLIERS, INSTALL TYPE 31.
2. CIDH NEW ELECTROLIERS FOUNDATIONS AND **FA** THE EXISTINGS.
3. **RC** EXISTING NON-TRAFFIC RATED PULL BOXES AND INSTALL TRAFFIC RATED PULL BOXES.
SEE DETAILS ON SHEET E-15.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans ELECTRICAL DESIGN
 FUNCTIONAL SUPERVISOR MARY ANN HUDSPETH
 CALCULATED/DESIGNED BY CHECKED BY
 NATHAN DEKENS NORMAN YE
 REVISED BY DATE REVISED

LUMINAIRE REPLACEMENT SCHEDULE

LOCATION	ROUTE	RAMP/MAINLINE INTERCHANGE	APPROXIMATE PM	ELECTROLIER No.	SERVICE DISCONNECT LOCATION
16	080	WB MAINLINE BETWEEN MADISON AND GREENBACK LANE	14.17	A909	SERVICE DISCONNECT LOCATED (SAC-80-14.106) AT WESTBOUND ON RAMP TO 80 AND ELKHORN BLVD. Ctid No. 03240800014106 (277/480 VAC)
			14.20	A910	
17	080	WB MAINLINE BETWEEN TRUCK SCALES AND GREENBACK LANE	15.26	A925	SERVICE DISCONNECT LOCATED (SAC-80-16.100) AT WESTBOUND TRUCK SCALES NORTH SIDE OF FREEWAY 275' EAST OF SCALE HOUSE. Ctid No. 03240800016100 (120/240 VAC)
			15.30	A926	
			15.33	A927	
18	080	EB ON-RAMP TRUCK SCALES	16.21	A946	SERVICE DISCONNECT LOCATED (SAC-80-15.910) AT EASTBOUND TRUCK SCALES SOUTH SIDE OF FREEWAY 300' EAST OF SCALE HOUSE. CTID No. 03240800015910 (120/240 VAC)
			16.25	A947	
19	080	WB MAINLINE BETWEEN ANTELOPE Rd. AND TRUCK SCALES	16.37	A948	SERVICE DISCONNECT LOCATED (SAC-80-16.880) SOUTH SIDE OF FREEWAY 1100' WEST OF ANTELOPE ROAD. Ctid No. 03240800016880 (120/240 VAC)
20	080	EB OFF-RAMP AT ANTELOPE Rd.	16.50	A1142	
			16.53	A1143	
21	080	LOOP ON-RAMP AT ANTELOPE Rd.	16.57	A980	SERVICE DISCONNECT LOCATED (SAC-80-16.800) NORTH SIDE OF FREEWAY ON WESTBOUND OFF RAMP 350' WEST OF ANTELOPE INTERCHANGE. Ctid No. 03240800016880 (120/240 VAC)
23	080	OFF-RAMP AT ANTELOPE Rd.	16.84	A1147	
			16.87	A1148	
			16.91	A1149	

2

REPLACED PER ADDENDUM No. 2 DATED MARCH 2, 2016

MODIFY LIGHTING

E-14

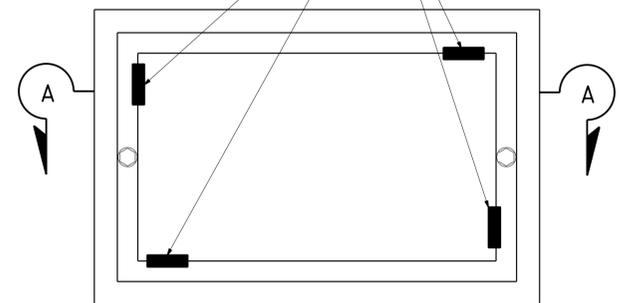


STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	CALCULATED/DESIGNED BY	REVISOR	DATE
Caltrans ELECTRICAL DESIGN	MARY ANN HUDSPETH	CHECKED BY	NATHAN DEKENS	
			NORMAN YE	

2

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS						
03	Sac	5, 80	Var	23	38						
Normanye			11-23-15								
REGISTERED ELECTRICAL ENGINEER			DATE								
11-23-15			PLANS APPROVAL DATE								
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<table border="1"> <tr> <td>REGISTERED PROFESSIONAL ENGINEER</td> </tr> <tr> <td>NORMAN S. YE</td> </tr> <tr> <td>No. 16913</td> </tr> <tr> <td>Exp. 6-30-17</td> </tr> <tr> <td>ELECTRICAL</td> </tr> <tr> <td>STATE OF CALIFORNIA</td> </tr> </table>						REGISTERED PROFESSIONAL ENGINEER	NORMAN S. YE	No. 16913	Exp. 6-30-17	ELECTRICAL	STATE OF CALIFORNIA
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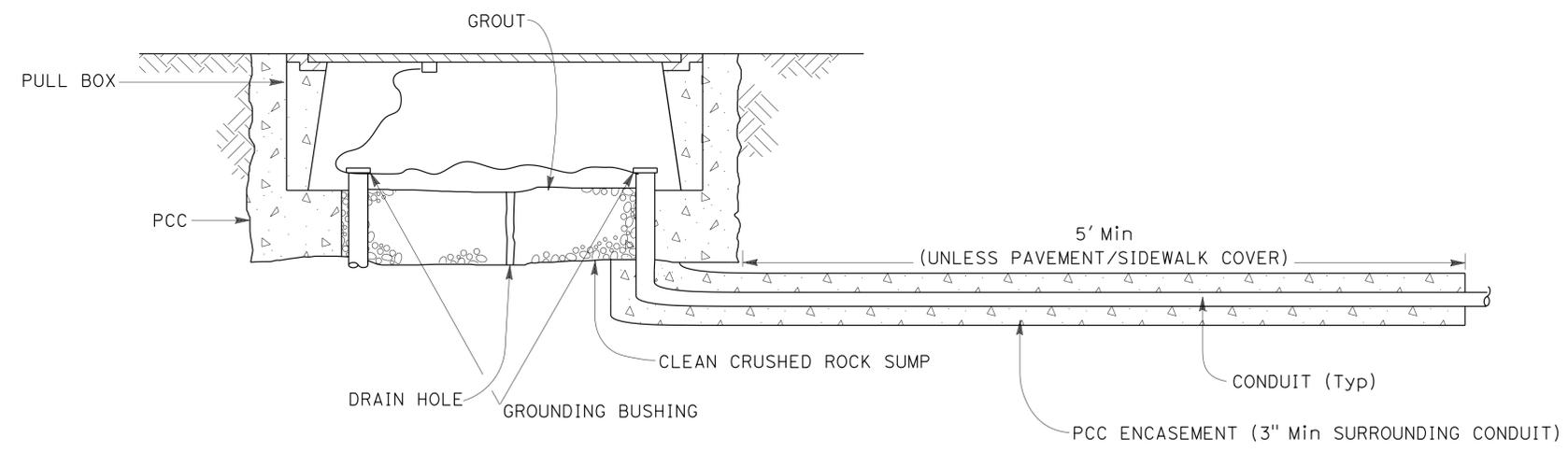
WELD A MINIMUM 3" WELD STARTING 1" FROM EACH CORNER. SEE NOTE 2.



TOP VIEW

NOTES ON PULL BOXES:

1. FOR ADDITIONAL DETAILS, SEE REVISED STANDARD PLAN RSP ES-8B.
2. WELDING SHALL COMPLY WITH REQUIREMENTS IN STANDARD SPECIFICATION SECTION 75.
3. A PULL BOX FOR A POST OR A POLE STANDARD MUST BE LOCATED WITHIN 5 FEET OF THE STANDARD.



SECTION A-A

TRAFFIC PULL BOX

2 REPLACED PER ADDENDUM No. 2 DATED MARCH 2, 2016

ELECTRICAL DETAILS
NO SCALE

E-15

DATE PLOTTED => 01-MAR-2016 TIME PLOTTED => 14:51

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans ELECTRICAL DESIGN
 FUNCTIONAL SUPERVISOR MARY ANN HUDSPETH
 CALCULATED/DESIGNED BY CHECKED BY
 NATHAN DEKENS NORMAN YE
 REVISED BY DATE
 DATE REVISION

2

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Sac	5, 80	Var	24	38

Norman 11-23-15
 REGISTERED ELECTRICAL ENGINEER DATE
 11-23-15
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
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MODIFY LIGHTING

SHEET No.	TYPE 30 ELECTROLIER	TYPE 31 ELECTROLIER	TYPE 15 ELECTROLIER	TYPE 10 ELECTROLIER	TYPE 5 ELECTROLIER	2" TYPE 3 CONDUIT	1 1/2" TYPE 3 CONDUIT	#2 AWG	#4 AWG	#6 AWG	#8 AWG	#5 (T) PULLBOX	#6 (T) PULLBOX	#5 PULLBOX	ELECTROLIER FUNDATION (CIDH)
	EA	EA	EA	EA	EA	FT	FT	FT	FT	FT	FT	EA	EA		EA
E-1		4					50			120		4			4
E-2		5					50				150	5			5
E-3		2					25			60		2			2
E-4		3					40			100		3			3
E-5		3				400					850	4			3
E-6	2					250			500			2			2
E-7	2				1		50			100		1	1		2
E-8	2					40		50				2			2
E-9		2			1		50	100				2			2
E-10		2		1			25			50		2			2
E-11	2	2					75			600		4			4
E-12	2	1				550				1100		6			3
E-13			1				25				50			1	1
E-14		14					200				1400	14			14

ITEM SHOWN IN THIS TABLE ARE NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY.

2 REPLACED PER ADDENDUM No. 2 DATED MARCH 2, 2016

**ELECTRICAL QUANTITIES
E-16**

LAST REVISION | DATE PLOTTED => 01-MAR-2016
 11-10-15 TIME PLOTTED => 14:51